Appendix G1
LAX SPECIFIC PLAN AMENDMENT STUDY

Human Health Risk Assessment

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Prepared for:

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Table of Contents

1. Introduction 1
   1.1 Purpose 1
   1.2 General Approach 1
2. Methodology 2
   2.1 Selection of TAC of Concern 3
   2.2 Exposure Assessment 4
      2.2.1 Exposure Populations 4
      2.2.2 Exposure Pathways 4
      2.2.3 Exposure Concentrations 5
         2.2.3.1 Inhalation Dosimetry Methodology (RAGS Part F Methodology) 6
         2.2.3.2 Chronic Daily Intake (RAGS Part A Methodology) 6
   2.3 Toxicity Assessment 8
   2.4 Risk Characterization 11
      2.4.1 Methodology for Evaluating Cancer Risks and Non-Cancer Health Hazards 11
      2.4.2 Maximally Exposed Individuals (MEI) 12
      2.4.3 Methodology for Evaluating Acute Impacts 13
3. TAC Emissions and Dispersion 13
   3.1 TAC Emissions 13
   3.2 Exposure Concentrations (Dispersion) 14
4. Human Health Risk Assessment 14
   4.1 Cancer Risks and Non-Cancer Health Hazards Associated with SPAS Alternatives 15
      4.1.1 Comparison of On-Airport Air Concentrations with OSHA Limits for On-Airport Workers 15
      4.1.2 Cancer Risks and Chronic Non-Cancer Health Hazards for Maximally Exposed Individuals (MEI) -- Residents and School Children 18
         4.1.2.1 Residents (Adults and Young Children) 20
         4.1.2.2 School Children 21
         4.1.2.3 Adult Workers 22
         4.1.2.4 Risks Described Geographically 22
      4.1.3 Acute Non-Cancer Health Hazards 23
   4.2 Cumulative Risks and Non-Cancer Health Hazards Associated with the SPAS Alternatives 27
5. Uncertainties 27
   5.1 Uncertainties Associated with Emission Estimates and Dispersion Modeling 27
   5.2 Evaluation of Sensitive Receptor Populations 28
   5.3 Uncertainties Associated with Exposure Parameter Assumptions 28
      5.3.1 Uncertainties in Exposure Duration for Cancer Risks 28
      5.3.2 Uncertainties Associated with the Evaluation of the Construction Emissions 29
   5.4 Uncertainties Associated with Toxicity Assessment 31
      5.4.1 Uncertainties Associated with Toxicity Criteria 31
      5.4.2 Uncertainties Associated with Elimination of Chemicals 32
   5.5 Uncertainties in Risk Characterization 34
      5.5.1 Uncertainties Associated with Risk Assessment Guidelines for Superfund (RAGS) Part F, Supplemental Guidance for Inhalation Risk Assessment 34
      5.5.2 Uncertainties Associated with Elimination of Potentially Complete Exposure Pathways 36
   5.5 Uncertainties in Background Estimates (MATES-III) 36
   5.6 Uncertainties Associated with Evaluation of Cumulative Acute Non-Cancer Health Hazards 37
   5.7 Interactions among Acrolein and Criteria Pollutants 37

Attachments

Attachment 1 Revised Toxicity Profiles
Attachment 2 Cancer Risk and Chronic Non-cancer Health Hazard Calculations (RAGS Part F)
Attachment 3 Acute Non-cancer Health Hazard Calculations
Attachment 4 Cancer Risk and Chronic Non-cancer Health Hazard Calculations for Adjusted Construction Emissions (RAGS Part F)
Attachment 5 Cancer Risk and Chronic Non-cancer Health Hazard Calculations (RAGS Part A)

List of Tables

Table 1 Parameters Used to Estimate Exposures to TAC of Concern 8
Table 2 Cancer Slope and Unit Risk Factors 9
Table 3 Toxicity Criteria for Systemic Toxicants 10
Table 4 Acute RELs for TAC of Concern 11
Table 5 Comparison of CalOSHA Permissible Exposures Limits to Maximum Estimated 8-Hour On-Airport Air Concentrations 16
Table 6 Peak Incremental Cancer Risks for the SPAS Alternatives 19
Table 7 Peak Incremental Chronic Non-Cancer Health Hazards for Maximally Exposed Individuals for the SPAS Alternatives 20
Table 8 Acute Non-cancer Health Hazard Indices for Acrolein under the SPAS Alternatives 24
Table 9 Acute Non-cancer Health Hazard Indices for Formaldehyde under the SPAS Alternatives 25
Table 10 Peak Incremental Cancer Risks for the SPAS Alternatives with Adjustment of Construction Emissions for 11-year Construction Period 30
Table 11 Incremental Chronic Non-Cancer Health Hazards for Maximally Exposed Individuals for the SPAS Alternatives with Adjustment of Construction Emissions for 11-year Construction Period 31
Table 12 Peak Incremental Manganese Concentrations for the SPAS Alternatives 33
Table 13 Peak Incremental Cancer Risks for the SPAS Alternatives using RAGS Part A Methodology 34
Table 14 Incremental Chronic Non-Cancer Health Hazards for Maximally Exposed Individuals for the SPAS Alternatives using RAGS Part A Methodology 35

1. INTRODUCTION

1.1 Purpose

This appendix is not intended to serve as a stand-alone document. Instead, it is intended to supplement the Human Health Risk Assessment (HHRA) analysis provided in Section 4.7.1 and the cumulative HHRA analysis in Section 5.5.7.1 of the Draft EIR. Together, the EIR sections and this technical report contain all of the elements of the HHRA for the SPAS alternatives. This approach was used to minimize potential confusion from overlapping or repetition of information.

The objective of the SPAS HHRA is to assess incremental changes to health impacts for people exposed to toxic air contaminants (TAC) resulting from construction and operations associated with each SPAS alternative. The results of the HHRA identify whether one or more of the SPAS alternatives would increase health risks for people living, working, recreating, or attending school near LAX.

Possible human health risks associated with SPAS alternatives were estimated using modeled TAC concentrations in air and standard methods developed by California Environmental Protection Agency (CalEPA) and U.S. Environmental Protection Agency (USEPA). Health impacts were evaluated for cancer risks and chronic and acute non-cancer health hazards. An impact was considered significant if cancer or non-cancer health hazards exceeded regulatory thresholds.

Existing emissions and dispersion of TAC from LAX construction and operations were used as a baseline to estimate the impact of anticipated increases in future airport activity. Incremental impacts to human health were assessed by comparing health risks and hazards associated with the SPAS alternatives with baseline conditions. For purposes of this analysis, baseline conditions were established for calendar year 2009, which provides a full years' worth of aircraft-related activity data prior to the publication of the SPAS Draft EIR Notice of Preparation (NOP) in October 2010, and is representative of 2010 baseline conditions. If risks or hazards associated with a SPAS alternative were estimated to be higher than risks or hazards associated with baseline conditions, the difference in risks or hazard would represent an incremental increase in possible health impacts. If the opposite were found, the difference in risks or hazard would represent an incremental beneficial impact.

Construction of any SPAS alternative is projected to take about 11 years. A detailed evaluation of TAC emissions during this construction phase cannot be accomplished until project-level information on construction staging is available. For purposes of the program-level evaluation in the SPAS EIR, possible construction emissions were estimated based on projected costs for the various alternatives. This approach provides sufficient information on the relative impact of construction emissions to analyze how important these emissions might be to incremental impacts of the SPAS alternatives. Detailed evaluation of construction impacts at the project level will be completed to help judge how construction impacts might vary from year-to-year as construction starts and moves through different phases across the airport.

1.2 General Approach

This HHRA focuses on analysis of incremental human health risks and hazards associated with air-borne releases of TAC during construction and operational activities of the SPAS alternatives. Cancer risk and chronic and acute non-cancer health hazard assessments all depend on estimating TAC concentrations in air in two steps: (1) estimation of emissions of TAC associated with construction and operations and subsequent modeling of dispersion of those TAC to downwind receptor locations; and (2) estimation of health risks associated with inhalation of TAC. Estimated emission rates were used, along with meteorological and geographic information, as inputs to an air dispersion model. The dispersion model predicted possible concentrations of TAC released during airport construction and operations within the study area around the airport. Modeled concentrations were used to estimate human health risks and hazards, which serve as the basis of the significance determinations for the SPAS alternatives.

Potential impacts to human health were estimated using modeled TAC concentrations in air and methods developed by the CalEPA and the USEPA, as described below. Incremental cancer risks and chronic

non-cancer health hazards were estimated as the difference between risks and hazards associated with a given SPAS alternative and risks and hazards associated with 2009 baseline conditions. Results of the analysis were then interpreted by comparing incremental cancer risks and chronic non-cancer health hazards to regulatory thresholds. For purposes of assessing the significance of any health impacts, these comparisons were made for maximally exposed individuals (MEI) at locations where maximum concentrations of TAC were predicted by air dispersion modeling. An impact was considered significant[1] if cancer risks and/or chronic non-cancer health hazards for MEI exceeded regulatory thresholds. In addition, the range of possible risks and hazards was addressed by evaluating risks for all modeled locations within the defined study area.

Methods for conducting this HHRA are presented in Section 2; TAC emission calculation approach and results and a discussion of the dispersion analysis are presented in Section 3; associated health risks are presented in Section 4; and uncertainties are discussed in Section 5.

2. METHODOLOGY

The HHRA was conducted based on incremental TAC emissions associated with SPAS alternatives activities relative to the 2009 environmental baseline. This HHRA was developed as required under State of California statutes and regulations[2], and was conducted in four steps as defined in South Coast Air Quality Management District (SCAQMD), CalEPA, and USEPA guidance[3,4,5] consisting of:

- Identification of chemicals (in this case, TAC) that may be released in sufficient quantities to present a public health risk (Hazard Identification)
- Analysis of ways in which people might be exposed to chemicals (TAC) (Exposure Assessment)
- Evaluation of the toxicity of chemicals (TAC) that may present public health risks (Toxicity Assessment)
- Characterization of the magnitude of health risks for the exposed community, and of locations in the community where the greatest risks or hazards may be realized (Risk Characterization)

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1 The term "significant" is used as defined under CEQA regulations and does not imply an independent judgment of the acceptability of risks or hazards.

2 California Environmental Protection Agency, Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Information and Assessment Act of 1987, Section 44300; California Environmental Protection Agency, Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments, August 2003.

3 South Coast Air Quality Management District, Supplemental Guidelines for Preparing Risk Assessments for the Air Toxics Hot Spots Information and Assessment Act (AB2588), July 2005.

4 California Environmental Protection Agency, Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program Risk Assessment Guidelines, Part I: Technical Support Document for the Determination of Acute Reference Exposure Levels for Airborne Toxicants, March 1999. California Environmental Protection Agency, Office of Environmental Health Hazard Assessment, Air Toxic Hot Spots Program Risk Assessment Guidelines, Part IV: Technical Support Document for Exposure Assessment and Stochastic Analysis, September 2000. California Environmental Protection Agency, Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program Risk Assessment Guidelines, Part III: The Determination of Chronic Reference Exposure Levels for Airborne Toxicants, February 23, 2000. California Environmental Protection Agency, Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program Risk Assessment Guidelines, Part II: Technical Support Document for Describing Available Cancer Potency Factors, updated August 2003. California Environmental Protection Agency, Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments, August 2003.

5 U.S. Environmental Protection Agency, Office of Emergency and Remedial Response, Risk Assessment Guidance for Superfund, Vol. I, Human Health Evaluation Manual (Part A), Interim Final, EPA/540/1-89/002, December, 1989.

HHRA analyses for SPAS alternatives address the following issues and provide additional information on the potential for human health impacts:

- Quantitative assessment of cancer risks and chronic non-cancer health hazards due to release of TAC associated with construction and operational activities for the SPAS alternatives.
- Quantitative evaluation of possible acute non-cancer health hazards due to release of TAC during operations associated with the SPAS alternatives.

Protective[6] methods that are likely to overestimate rather than underestimate possible health risks were used to estimate cancer risks and chronic non-cancer health hazards. For example, incremental risks and hazards associated with the SPAS alternatives were calculated for individuals assumed to live, work, recreate, or attend school at locations where TAC concentrations are predicted to be highest. Further, these individuals were assumed to be exposed to TAC for almost all days of the year and for many years to maximize estimates of possible exposure. These "maximally exposed individuals" or MEI are hypothetical individuals used to help ensure that the HHRA is protective.

Risk estimates for MEI are, therefore, upper-bound predictions that could be experienced by people working or living near LAX who breathe TAC released during construction and operational activities associated with the SPAS alternatives. By protecting hypothetical individuals that receive the highest exposures, the risk assessment is also protective for actual members of the population near LAX that would not be as highly exposed.

The HHRA for SPAS alternatives also evaluates the potential for short-term (1-hour) exposures to cause immediate, or acute, non-cancer health impacts. These estimates are also intentionally conservative; they use, for example, the highest 1-hour concentrations for assessing acute impacts regardless of whether individuals might have access to locations where maximum concentrations occur. This approach helps ensure that actual exposure concentrations in off-airport areas are not underestimated.

2.1 Selection of TAC of Concern

In general, TAC of concern used in the HHRA are based on TAC identified under California Assembly Bill AB2588 and for which the California Environmental Protection Agency, Office of Environmental Health Hazard Assessment (OEHHA) has developed cancer slope factors, chronic reference levels, and/or acute reference levels.

The list of TAC of concern used in this HHRA was selected using regulatory lists, emissions estimates, human toxicity information, results of the LAX Master Plan HHRA, and a review of health risk assessments included in the Long Beach Airport Terminal Area Improvement Project EIR,[7] LAX South Airfield Improvement Project (SAIP) Final EIR,[8] LAX Crossfield Taxiway Project (CFTP) Final EIR,[9] LAX Bradley West Project Final EIR,[10] LAX Central Utility Plant Replacement Project (CUP-RP) Final EIR,[11] LAX Master Plan Final EIR,[12] Oakland International Airport - Airport Development Program (ADP) Final

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6 The terms "protective" and "conservative" are often used interchangeably to indicate that risk assessment methods were designed to err on the side of over-estimating risk. "Protective is used in this HHRA to avoid confusion over what "conservative" means in different situations. For example, a "conservative" estimate of the time that someone might live in a given residence could imply to some readers that a minimum time was identified.

7 City of Long Beach, Long Beach Airport Terminal Area Improvement Project Draft EIR, September 2005.

8 City of Los Angeles, Los Angeles World Airports, Final Environmental Impact Report for Los Angeles International Airport (LAX) South Airfield Improvement Project, August 2005.

9 City of Los Angeles, Los Angeles World Airports, Final Environmental Impact Report for Los Angeles International Airport (LAX) Crossfield Taxiway Project, January 2009.

10 City of Los Angeles, Los Angeles World Airports, Final Environmental Impact Report for Los Angeles International Airport (LAX) Bradley West Project, September 2009.

11 City of Los Angeles, Los Angeles World Airports, Draft Environmental Impact Report for Los Angeles International Airport (LAX) Central Utility Plant Replacement Project, October 2009.

12 City of Los Angeles, Final Environmental Impact Report for Los Angeles International Airport (LAX) Proposed Master Plan Improvements, April 2004.

Supplemental EIR,[13] and the Civilian Reuse of MCAS El Toro Final EIR, Draft Supplemental Analysis.[14] This list of TAC was further refined to include only TAC with chronic Reference Exposure Levels (RELs), acute RELs, and cancer potency values identified by the California OEHHA. The resulting list of TAC of concern evaluated in this HHRA is provided in Table 4.7.1-1 in Section 4.7.1 of the LAX SPAS Draft EIR. Methods for identifying TAC for construction and operational sources are described in Section 3.1 of this appendix.

2.2 Exposure Assessment

2.2.1 Exposure Populations

For analysis of SPAS alternatives, the HHRA selected the following receptors for quantitative evaluation: off-airport workers, off-airport adult residents, off-airport child residents, and off-airport school children. Each receptor represents a unique population and set of exposure conditions. As a whole, they cover a range of exposure scenarios for people who may be affected by LAX emissions to the greatest extent. Receptors for which exposure scenarios are prepared were selected to provide protective risks and hazards estimates for MEI and to demonstrate the range of risks and hazards in the vicinity of the airport. As previously noted, by providing estimates for the most exposed individuals for determination of significance, the general population is protected.

2.2.2 Exposure Pathways

Different receptors (e.g., off-site workers, school children) could be exposed to TAC in several ways, deemed exposure pathways. An exposure scenario is developed for each receptor that considers various pathways by which they might be exposed to TAC.

An exposure pathway consists of four parts:

- A TAC source (e.g., air craft engines)
- A release mechanism (e.g., air craft engine exhaust)
- A means of transport from point of release to point of exposure (e.g., local winds)
- A route of exposure (e.g., inhalation)

If any of these elements of an exposure pathway is absent, no exposure can take place and the pathway is considered incomplete and was not evaluated in this HHRA. In addition, some exposure pathways that may be complete, may result in little or negligible exposure. Thus, numerous possibly complete exposure pathways exist for receptors at or near LAX, but most are anticipated to make minimal to negligible contribution to total risks and hazards. For this HHRA, the inhalation pathway is the most important complete exposure pathway, contributing the majority of risk associated with the SPAS alternatives, and was therefore quantitatively evaluated for all receptors.

Other exposure pathways -- including deposition of TAC onto soils and subsequent exposure via incidental ingestion of this soil, uptake from soil into homegrown vegetables, and other indirect pathways -- were addressed quantitatively in the programmatic HHRA developed for the LAX Master Plan EIR[15] (see LAX Master Plan Final EIR Technical Report 14a and Technical Report S-9a). No pathway other than inhalation was found to be an important contributor to exposure and thus to risk/hazard. Based on this previous analysis, pathways other than inhalation were not assessed in this HHRA.

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13 Port of Oakland, Draft Oakland International Airport - Airport Development Program (ADP) Supplemental Environmental Impact Report, September 2003.

14 County of Orange, Draft Environmental Impact Report No. 573 for the Civilian Reuse of MCAS El Toro and the Airport System Master Plan for John Wayne Airport and Proposed Orange County International Airport, Draft Supplemental Analysis, April 2001.

15 City of Los Angeles, Final Environmental Impact Report for Los Angeles International Airport (LAX) Proposed Master Plan Improvements, April 2004.

2.2.3 Exposure Concentrations

Analyses of cancer risk and non-cancer health hazards, both chronic and acute, were included in the exposure assessment for the receptors identified in Section 2.2.1. Chronic and acute exposure to TAC from SPAS-specific construction and operational activities were estimated by:

- Estimation of construction and operation source emissions for annual (for chronic exposure) and operation source emissions for peak daily (for acute exposure).
- Dispersion modeling of construction and operational emissions over an area that consists of the airport property and urban areas to the north, east, and south.

Modeled concentrations of TAC at locations where highest concentrations are anticipated were used to estimate incremental human health risks and hazards. These estimates serve as the basis for significance determinations for SPAS alternatives. To estimate cancer risks and the potential for adverse non-cancer health hazards, TAC intakes via inhalation for each receptor were estimated.

In the LAX Master Plan EIS/EIR and other tiered LAX EIRs (SAIP EIR, CFTP EIR, Bradley West Project EIR, and CUP-RP EIR), average long-term daily intakes were used to estimate risk and hazards for cancer and non-cancer risk assessment in accordance with Risk Assessment Guidance for Superfund (RAGS), Part A[16] (hereafter referred to as RAGS Part A). RAGS Part A methodology estimated intake of a contaminant in air via inhalation using inhalation rate and body weight. This calculation resulted in an exposure expressed as mg of chemical/kg body weight-day. This estimate was then used along with a slope factor that predicted the risk of cancer for each mg/kg-d intake to provide a cancer risk estimate. In 2009, the EPA released the Risk Assessment Guidance for Superfund (RAGS), Part F[17] (hereafter referred to as RAGS Part F), which recommends that risk assessors should use inhalation dosimetry methodology. In this approach, the concentration of the chemical in air is the exposure metric (e.g., mg/m^3), and risks are estimated using a unit risk that predicts cancer risk for each mg/m^3. Inhalation rate and body weight are no longer used in the calculations.

RAGS Part F methodology was used in the uncertainty analysis of the recently completed human health risk analysis for the CUP EIR to check the sensitivity of the analysis to this difference in methodology. This analysis determined that the results of the CUP EIR cancer risk analyses using the RAGS Part F formulas are about 21 percent less than the results using RAGS Part A, while the hazard analyses results using the RAGS Part F formulas are about 71 percent less than the RAGS Part A results. Thus, RAGS Part A methodology appears overly conservative for the exposure scenarios evaluated for the CUP and that were used in this HHRA. Use of the RAGS Part F formulas would not change the conclusions of the analysis relative to determinations of the significance of impacts.[18]

RAGS Part F methodology is currently recommended by USEPA for calculating risks and hazards for the inhalation pathway and has become universally applied within the United States. Almost three years has passed since RAGS Part F was introduced, and it is difficult to justify using a now obsolete method to evaluate inhalation risks. Thus, this HHRA for the SPAS EIR presents the risks and hazards calculated using both RAGS methods (Part A and Part F).

RAGS Part A methodology is still presented in the discussions of uncertainties for several reasons: 1) to maintain consistency with the LAX Master Plan EIR; 2) to enable the results of SPAS EIR to be compared directly with the previous tiered LAX EIRS; and 3) to allow for SPAS EIR risks and hazards to be combined with the calculated results of the other tiered LAX EIRs in the determination of cumulative construction impacts. Equations used for both methodologies are presented below.

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16 U.S. Environmental Protection Agency, Office of Emergency and Remedial Response, Risk Assessment Guidance for Superfund, Vol. I, Human Health Evaluation Manual (Part A), Interim Final, EPA/540/1-89/002, December, 1989.

17 U.S. Environmental Protection Agency, Office of Emergency and Remedial Response, Risk Assessment Guidance for Superfund, Vol. I, Human Health Evaluation Manual (Part F, Supplemental Guidance for Inhalation Risk Assessment), Final, EPA-540-R-070-002, OSWER 9285.7-82, January 2009.

18 City of Los Angeles, Los Angeles World Airports, Final Environmental Impact Report for Los Angeles International Airport (LAX) Central Utility Plant Replacement Project, October 2009.

2.2.3.1 Inhalation Dosimetry Methodology (RAGS Part F Methodology)

RAGS Part F recommends that the concentration of the chemical in air be used as the exposure metric resulting in the following formula for an exposure concentration:[19]

EC = (CA x ET x EF x ED) / AT

Where: EC = exposure concentration (µg/m^3)

CA = chemical concentration in air (µg/m^3)

ET = exposure time (hours/day)

EF = exposure frequency (days/year)

ED = exposure duration (years)

AT = average time; e.g., the period over which exposure is averaged, ED in years x 365 days/year x 24 hours/day (hours)

Averaging time for estimation of cancer risk is 70 years or 25,550 days. Cancer risk is evaluated as the lifetime average daily dose (LADD) according to CalEPA and USEPA guidance. Averaging time for estimation of non-cancer health hazards is the duration of exposure, expressed in days. Non-cancer health hazards are evaluated as average daily dose (ADD) over the period of exposure, again, following CalEPA and USEPA guidance.

Cancer risks and the non-cancer health hazards are then calculated using the following formulas:[20]

Risk = IUR x EC

HQ = EC / (RfC x 1000 µg/mg)

Where: IUR = inhalation unit risk (µg/m^3)$^{-1}$

EC = exposure concentration (µg/m^3)

HQ = hazard quotient

RfC = reference concentration (mg/m^3)

2.2.3.2 Chronic Daily Intake (RAGS Part A Methodology)

Chronic daily intake (CDI) following the RAGS Part A methodology are estimated using the following equation: [21]

CDI = (C x IR x EF x ED) / (BW x AT)

Where: CDI = chronic daily intake (mg/kg body weight/day)

C = chemical concentration in exposure medium (µg/m^3)

IR = inhalation rate (m^3/day)

EF = exposure frequency (days/year)

ED = exposure duration (years)

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19 U.S. Environmental Protection Agency, Office of Emergency and Remedial Response, Risk Assessment Guidance for Superfund Vol. I, Human Health Evaluation Manual (Part F) Final, EPA/540/R-070/002, January 2009.

20 U.S. Environmental Protection Agency, Office of Emergency and Remedial Response, Risk Assessment Guidance for Superfund Vol. I, Human Health Evaluation Manual (Part F) Final, EPA/540/R-070/002, January 2009.

21 U.S. Environmental Protection Agency, Office of Emergency and Remedial Response, Risk Assessment Guidance for Superfund Vol. I, Human Health Evaluation Manual (Part A) Interim Final, EPA/540/1-89/002, December 1989.

BW = body weight (kg)

AT = average time; e.g., the period over which exposure is averaged (days)

Assessment of potential chronic human health impacts due to release of TAC associated with SPAS alternatives assumes that exposure concentrations of TAC are constant over a 70-year period for residential receptors. This assumption is likely to be incorrect, since one anticipates that construction and operational activity at LAX will change over the next several decades. However, prediction of such changes beyond a fairly near horizon is not possible. Risk estimates based on a lifetime exposure are likely to be conservative, since many people will not live in the same location for a lifetime. Further, risk estimates were based on MEI. These risk estimates overestimate risks for most people living, working or attending school near LAX. Sufficient conservatism (protection) is built into the risk assessment developed for SPAS alternatives to counter future changes in LAX operations that cannot now be anticipated quantitatively.

Exposure parameters used to calculate LADD and ADD for all receptors for the inhalation pathway are summarized in **Table 1**. Exposure parameters are based on CalEPA Supplemental Guidance for Human Health Multimedia Risk Assessments of Hazardous Waste Sites and Permitted Facilities,[22] USEPA Exposure Factors Handbook,[23] and CalEPA Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments.[24] Although USEPA has recently released another version of the Exposure Factors Handbook[25] that updates some of the recommended exposure parameters, the exposure parameters in **Table 1** were selected to maintain consistency with the health risk analyses conducted for the LAX Master Plan Final EIR,[26] the SAIP EIR,[27] the CFTP EIR[28] and the Bradley West Project EIR.[29]

22 California Environmental Protection Agency, Supplemental Guidance for Human Health Multimedia Risk Assessments of Hazardous Waste Sites and Permitted Facilities, 1993.

23 U.S. Environmental Protection Agency, Exposure Factors Handbook, USEPA/600/P-95/002Fa, 1997.

24 California Environmental Protection Agency, Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments, August 2003.

25 U.S. Environmental Protection Agency, Exposure Factors Handbook, EPA/600/R-090/052F, September 2011.

26 City of Los Angeles, Final Environmental Impact Report for Los Angeles International Airport (LAX) Proposed Master Plan Improvements, April 2004.

27 City of Los Angeles, Los Angeles World Airports, Final Environmental Impact Report for Los Angeles International Airport (LAX) South Airfield Improvement Project, August 2005.

28 City of Los Angeles, Los Angeles World Airports, Final Environmental Impact Report for Los Angeles International Airport (LAX) Crossfield Taxiway Project, January 2009.

29 City of Los Angeles, Los Angeles World Airports, Final Environmental Impact Report for Los Angeles International Airport (LAX)Bradley West Project, September 2009.

Table 1

Parameters Used to Estimate Exposures to TAC of Concern

Exposure Pathway Inhalation of Particulates and Gases	Off-Airport Receptors Off-Site Resident Adult	Off-Site Resident Child	Off-Site School Child	Off-Site Worker
Exposure Frequency (days/yr)	350[1,3]	350[1,3]	200[4]	245[1]
Exposure Duration (years)	70[1,5]	6[2]	6[4]	40[1]
Exposure Time (hrs/day)	24[7]	24[7]	8[7]	10[7]
Averaging Time - Non-cancer (days)	25,550[1,6]	2,190[6]	2,190[6]	14,600[6]
Averaging Time - Cancer (days)	25,550[1,6]	25,550[1,6]	25,550[1,6]	25,550[1,6]
Parameters Used for RAGS Part A Methodology[8]				
Daily Breathing Rate (m^3/day)	20[2]	15[2]	6[2]	10[2]
Body Weight (kg)	70[1,6]	15[2]	40	70[1,6]

1 California Environmental Protection Agency, Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments, August 2003.
2 U.S. Environmental Protection Agency, Exposure Factors Handbook, USEPA/600/P-95/002Fa, 1997.
3 U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, Human Health Evaluation Manual, Supplemental Guidance: Standard Default Exposure Factors, August, 1991.
4 Site-specific.
5 70 year exposure duration will be used as basis for determining significance.
6 U.S. Environmental Protection Agency, Office of Emergency and Remedial Response, Risk Assessment Guidance for Superfund, Volume I - Human Health Evaluation Manual, Part A, USEPA/540/1-89/002, 1989.
7 Professional judgment.
8 Breathing rate and body weight were only used in the uncertainties section for calculations using RAGS Part A Methodology to provide consistency with past assessments.

Source: CDM Smith, 2012.

The equation for the RAGS Part F methodology requires exposure time, an exposure parameter that was not previously defined for the LAX Master Plan EIS/EIR and other tiered LAX EIRs (SAIP EIR, CFTP EIR, Bradley West Project EIR, and CUP-RP EIR) because it was not required for the RAGS Part A methodology. For exposure time, the following assumptions were made. Residents were assumed to be exposed 24 hours a day. A school child was assumed to be exposed eight hours per day to account for six hours of school instruction and two hours of after-school activities. An adult worker was assumed to be exposed 10 hours per day.

The CalEPA Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments recommends a range of exposure parameters be evaluated. Additional analyses are presented in the uncertainties analysis to verify how sensitivity of risk estimates to changes in exposure duration and exposure time might affect conclusions concerning impacts of SPAS alternatives.

2.3 Toxicity Assessment

Risks from exposure to TAC are calculated by combining estimates of potential exposure with chemical-specific toxicity criteria developed by CalEPA, USEPA, or both. The toxicity assessment initially examined quantitative toxicity criteria for TAC selected from regulatory lists.

A toxicity assessment for TAC of concern was conducted for the LAX Master Plan Final EIR, as described in Technical Report 14a of that EIR. Conclusions of that assessment have not changed materially. Both the CalEPA OEHHA, and USEPA continually update toxicity values as new studies are completed, and all toxicity information provided in Technical Report 14a was reviewed and updated as appropriate by researching recent information available from USEPA, CalEPA OEHHA, World Health Organization

(WHO), and Agency for Toxic Substance and Disease Registry (ATSDR). Revised toxicity profiles are provided as Attachment 1.

Acute RELs developed by the State of California were used in the characterization of potential acute non-cancer health hazards associated with the SPAS alternatives. Other sources of acute toxicity criteria (e.g., Agency for Toxic Substances and Disease Registry (ATSDR)) were also evaluated as a source of acute criteria as part of this re-assessment of toxicity information.

Cancer unit risk factors, cancer slope factors, and chronic RELs developed by the State of California were used to characterize cancer risks and chronic non-cancer health hazards associated with longer term inhalation of emissions from construction and operational activities. Both types of toxicity criteria are based on studies of chronic exposure in animals or, in some cases, to people. Inhalation unit risk (for RAGS Part F calculations) and cancer slope factors (for RAGS Part A calculations) are presented in **Table 2**. Chronic RELs and reference concentrations (RfCs) are presented in **Table 3**.

Table 2

Cancer Slope and Unit Risk Factors

TAC of Concern	Cal/EPA[1] Inhalation Cancer Slope Factor $[(mg/kg/day)^{-1}]$[2]	Cal/EPA[1] Inhalation Unit Risk $[(\mu g/m^3)^{-1}]$[3]	Tumor Site/Inhalation	Cancer Classification[4]
VOC				
Acetaldehyde	0.01	0.0000027	Nasal, Larynx	B2
Acrolein	NA[5]	NA	NA	C
Benzene	0.1	0.000029	Blood	A
1,3-Butadiene	0.6	0.00017	Reproductive System, Blood, Lung, GI	A
Ethylbenzene	0.0087	0.0000025	Kidney	D
Formaldehyde	0.021	0.000006	Respiratory System	B1
Naphthalene	0.12	0.000034	Respiratory System	C
Diesel Exhaust				
Diesel Particulates	1.1	0.0003	Lung	D
PM-Metal				
Arsenic	12	0.0033	Skin	A
Chromium VI	510	0.15	Lung	A
Lead	0.042	0.000012	NA	B2
Nickel	0.91	0.00024	NA	A
Vanadium pentoxide	29[6]	0.0083[6]	NA	NA

1 California Environmental Protection Agency, Office of Environmental Health Hazard Assessment, Toxicity Criteria Online Database, Available: http://www.oehha.ca.gov/risk/ChemicalDB/start.asp, 2012.
2 mg/kg/day - milligram per kilogram per day
3 $\mu g/m^3$ = microgram per cubic meter
4 USEPA, EPA Weight of Evidence (EPA 1986, EPA 1996):
A Human carcinogen
B1 Probable human carcinogen - indicates limited evidence in humans
B2 Probable human carcinogen - indicates sufficient evidence in animals and inadequate or no evidence in humans.
C Possible human carcinogen
D Not classifiable as human carcinogen
5 NA = Not available
6 USEPA Regional Screening Level (RSL) table, November 2011.

Source: CDM Smith, 2012.

Table 3

Toxicity Criteria for Systemic Toxicants

TAC of Concern	USEPA Chronic Inhalation RfC[1,2] (μg/m^3)[3,10]	Cal/EPA Chronic Inhalation REL[4] (μg/m^3)[10]	Target Organ	Uncertainty Factor USEPA	Uncertainty Factor Cal/EPA
VOC[5]					
Acetaldehyde	9	140	Respiratory System	1,000	300
Acrolein	0.02	0.35	Respiratory System, Eye	1,000	200
Benzene	30	60	Hematopoietic System, Development, Nervous System, Immune System	300	10
1,3-Butadiene	2	20	Reproductive System	1,000	30
Ethylbenzene	1,000	2,000	Developmental, Liver, Kidney, Endocrine System	300	30
Formaldehyde	9.8[6]	9	Respiratory System, Eye	NA[8]	10
n-Hexane	700	7,000	Nervous System	300	30
Methyl alcohol	4,000[6]	4,000	Developmental	NA	30
Methyl ethyl ketone	5,000	NA	Developmental (skeletal variations)	300	NA
Naphthalene	3	9	Respiratory System	3,000	1,000
Phenol	200[6]	200	Alimentary System, Cardiovascular System, Kidney, Nervous System	NA	100
Propylene	3,000[6]	3,000	Respiratory System	NA	100
Styrene	1,000	900	CNS[9]	30	3
Toluene	5,000	300	CNS, Respiratory System, Development	10	100
Xylenes	100	700	CNS, Respiratory System	300	30
Diesel Exhaust					
Diesel Particulates	5	5	Respiratory System	30	30
PM Metal					
Arsenic	0.015[6]	0.015	Development, Cardiovascular System, Nervous System	NA	30
Chromium (VI)	0.1	0.2	Respiratory System	300	100
Copper	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA
Manganese	0.05	0.09	Nervous System	1,000	300
Mercury	0.3	0.03	Nervous System	30	300
Nickel	0.05[6,7]	0.05	Respiratory System, Immune System	NA	30
Vanadium pentoxide	0.007[6]	NA	NA	NA	NA
PM Inorganics					
Chlorine	0.15[6]	0.2	Respiratory System	NA	30
Sulfates	NA	NA	NA	NA	NA

1 Values obtained from the USEPA Integrated Risk Information System (IRIS), 2012.
2 RfC = Reference Concentration
3 μg/m^3 = microgram per cubic meter
4 REL = Reference Exposure Level (obtained from OEHHA Online Toxicity Criteria database, 2012. RELs are concentrations in air that would not result in toxic effects even if exposure continued for a lifetime.)
5 VOC = volatile organic compounds
6 Values obtained from the USEPA Regional Screening Level (RSL) table, November 2011.
7 RfC for nickel refinery dust was used for nickel.
8 NA = Not available or not applicable.
9 CNS = Central Nervous System
10 For calculations using the RAGS Part A methodology, RfCs and RELs were converted to milligram per kilogram per day units by multiplying the RfC or REL in μg/m^3 by 20 m^3 of air inhaled per day and dividing by 70 kilograms body weight and dividing by 1,000 μg/kg.

Source: CDM Smith, 2012.

Acute RELs developed by the State of California were used in characterization of potential hazards associated with short-term exposure (usually from exposures on the order of 1-hour). RELs are based on the most sensitive, relevant, adverse health effect reported in the medical and toxicological literature. Since margins of safety are incorporated to address data gaps and uncertainties, exceeding an REL does not automatically indicate an adverse health impact. Acute RELs are applicable to all receptors, children and adults, and hazards are the ratio of estimated or measured concentrations and the REL. Acute RELs for the TAC of concern included in this analysis are provided in **Table 4**.

Table 4

Acute RELs for TAC of Concern

TAC	Acute REL[1] (µg/m^3)
Acetaldehyde	470
Acrolein	2.5
Benzene	1,300
Formaldehyde	55
Toluene	37,000
Xylenes Total	22,000
Styrene	21,000
Methyl alcohol	28,000
Methyl ethyl ketone	13,000
Phenol	5,800
Arsenic	0.2
Chlorine	210
Copper	100
Mercury	0.6
Nickel	6
Sulfates	120
Vanadium pentoxide	30

[1] Values obtained from OEHHA Online Toxicity Criteria database, accessed January 2012.

Source: CDM Smith, 2012.

2.4 Risk Characterization

2.4.1 Methodology for Evaluating Cancer Risks and Non-Cancer Health Hazards

Concentrations of TAC of concern in air, locations of potentially exposed populations, including locations for MEI exposure scenarios (worker, resident, student), and toxicity criteria were used to calculate incremental human health risks associated with SPAS alternatives. Incremental risks were calculated for the horizon year 2025 using standard exposure and risk equations for estimation of inhalation risks. Risks for people recreating near the airport would be lower than those for workers, residents, and students, and no risks were calculated for this population. Where risks are not significant for other receptor groups, risks for recreators near LAX can also be considered insignificant.

Cancer risks were estimated by multiplying exposure estimates for carcinogenic chemicals by corresponding cancer slope factors. Results were risk estimates expressed as the odds of developing cancer. Commonly, risks (or odds) of developing cancer of one to ten in one million (1×10^{-6} to 10×10^{-6})

or less are considered de minimis.[30] Higher risks may be deemed significant in some instances. Cancer risks were based on an exposure duration of 70 years.

Chronic non-cancer health hazard estimates were calculated by dividing exposure estimates by reference doses. Reference doses are estimates of highest exposure levels that would not cause adverse health effects even if exposures continue over a lifetime. The ratio of exposure concentration to reference concentration is termed the hazard quotient (HQ). A HQ greater than one indicates an exposure concentration greater than that considered safe. A ratio that is less than one indicates that SPAS-related (incremental) exposure was less than the highest exposure level that would not cause an adverse health effect and, hence, no impact to human health would be expected. Risks or odds of adverse effects cannot be estimated using reference doses. However, because reference concentrations are developed in a conservative fashion, HQs only slightly higher than one are generally accepted as being associated with low risks (or even no risk) of adverse effects, and that potential for adverse effects increases as the HQ gets larger.

Impacts of exposure to multiple chemicals were accounted for by adding cancer risk estimates for exposure to all carcinogenic chemicals, and by adding estimated HQs for non-carcinogenic chemicals that affect the same target organ or tissue in the body. Addition of HQs for TAC that produce effects in similar organs and tissues results in a Hazard Index (HI) that reflects possible total hazards. Several TAC have effects on the respiratory system including acetaldehyde, acrolein, formaldehyde, xylenes, and diesel particulates. Non-cancer health hazards for SPAS alternatives were calculated for the respiratory system which accounted for essentially all potential non-cancer health hazards.

To determine whether releases of TAC during airport construction and operations for SPAS alternatives would be significant, incremental human health risks for the Alternatives were compared to appropriate thresholds of significance identified in SCAQMD or CalEPA guidance or policy. These comparisons will focus on specific risk thresholds such as ten in one million cancer risk or a hazard index of 1. Differences in incremental human health impacts among alternatives provide a quantitative assessment of the relative impacts among alternatives. Human health impacts were also compared with data on possible human health impacts of TAC in the Los Angeles basin as determined in the MATES III. These latter comparisons provide a quantitative estimate of the cumulative impacts of the SPAS alternatives on air quality and human health risks associated with TAC of concern within the Los Angeles Basin.

2.4.2 Maximally Exposed Individuals (MEI)

For SPAS alternatives, grid points were analyzed along the airport fence-line and within the study area. These locations are anticipated to represent MEI, based on previous dispersion modeling for LAX. Concentrations of each TAC at these nodes were used in calculating cancer risk, and chronic and acute non-cancer health hazard estimates. These calculations were used to identify locations with maximum cancer risks and maximum non-cancer health hazards and serve as the basis for significance determinations.

MEI estimates were also land use specific. Land use designations (commercial, residential, etc.) were used to identify receptor type at each grid node used in the air dispersion analysis. For off-airport locations, surrounding land use was used to identify appropriate receptors. For fence-line grid points, land use designations in nearest off-airport areas were used to identify the receptor type. Risk and hazard calculations were based on receptors appropriate for the land use designations. For example, if a grid node was identified as commercial land use, exposure parameters appropriate for adult commercial workers were used to estimate exposures, cancer risks, and non-cancer health hazards at that grid point location. For grid nodes identified as residential or school, exposure parameters for both residential receptors and school children were used to estimate exposures, cancer risks, and chronic non-cancer health hazards at that grid point location. This approach was used for the residential and school grid

[30] Clay, Don R., U.S. Environmental Protection Agency, Memorandum to OSWER, Subject: Role of the Baseline Risk Assessment in Superfund Remedy Selection Decisions, April 22, 1991.

points because, over the long term, schools could be constructed in residential areas and current school locations could become residential areas.

Fence-line concentrations of TAC represent the highest or near-highest concentrations that could be considered "off-airport." Concentrations in areas where people actually work, live, or attend school are predicted to be lower. Thus, potential impacts for residents, workers, and school children are likely to provide protective estimates for risks and hazards that may occur under current off-site conditions.

2.4.3 Methodology for Evaluating Acute Impacts

Acute non-cancer risk estimates were calculated by dividing estimated maximum 1-hour TAC concentrations in air by acute RELs. An acute REL is a concentration in air below which adverse effects are unlikely for people, including sensitive subgroups, exposed for a short time on an intermittent basis. In most cases, RELs are estimated on the basis of a 1-hour exposure duration. USEPA defines intermittent exposure as an exposure lasting less than 24 hours and occurring no more than monthly.[31] RELs do not distinguish between adults and children, but are established at levels that are considered protective of sensitive populations. Since margins of safety are incorporated to address data gaps and uncertainties, exceeding the REL does not automatically indicate an adverse health impact.

CalEPA's OEHHA has developed acute RELs for several of the TAC of concern identified in emissions from the airport. Acrolein is one such TAC of concern and is responsible for the majority of all predicted chronic non-cancer health hazards associated with LAX operations.[32] Acrolein release is primarily due to aircraft operational emissions.

Other TAC of concern associated with LAX operations, for which acute RELs are available, are unlikely to be present in concentrations that would represent an acute non-cancer health hazard. However, acute adverse health impacts for all TAC with RELs, not just acrolein, were evaluated.

Short-term concentrations for TAC associated with implementation of SPAS alternatives were estimated using the same air dispersion model (AERMOD Version 12060) used to estimate annual average concentrations, but with the model option for 1-hour maximum concentrations selected. These concentrations represent the highest predicted concentrations of TAC. Acute non-cancer health hazards were then estimated at each grid point by dividing estimated maximum 1-hour TAC concentrations in air by acute RELs. A hazard index equal to or greater than 1, the threshold of significance for acute non-cancer health impacts, indicates some potential for adverse acute non-cancer health impacts. A hazard index less than 1 suggests that adverse acute non-cancer health impacts are not expected.

3. TAC EMISSIONS AND DISPERSION

3.1 TAC Emissions

The first step in the process of establishing concentrations of TAC in air was estimation of emissions of TAC during project construction and operations. During the construction phase, emissions of diesel particulate matter (DPM) are expected to contribute the majority to total incremental cancer risks. Based on previous evaluation of construction impacts, other TAC make minimal contributions.[33,34] For this reason, the evaluation of TAC releases during the construction phase focused exclusively on release of DPM from construction vehicles.

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31 U.S. Environmental Protection Agency, Draft Methods for Exposure-Response Analysis and Health Assessment for Acute Inhalation Exposure to Chemicals, 1994.

32 City of Los Angeles, Final Environmental Impact Report for Los Angeles International Airport (LAX) Proposed Master Plan Improvements, April 2004.

33 City of Los Angeles, Los Angeles World Airports, Final Environmental Impact Report for Los Angeles International Airport (LAX) Bradley West Project, September 2009.

34 City of Los Angeles, Los Angeles World Airports, Final Environmental Impact Report for Los Angeles International Airport (LAX) Central Utility Plant Replacement Project, October 2009.

During operations, large quantities of non-DPM TAC are released from aircraft, auxiliary power units (APUs), and gasoline Ground Support Equipment (GSE) and on-road motor vehicles. All of these TAC were assessed, along with DPM, to assess the operational phase of the SPAS alternatives. Overall, TAC emissions used in the HHRA include the DPM component from construction sources and a range of TAC, including DPM, from operational sources.

Detailed descriptions of construction and operational sources for the SPAS alternatives are provided in Sections 4.2.2.1 and 4.2.2.2, respectively, with a summary provided in Section 4.7.1.2.1 of the SPAS Draft EIR. Estimated TAC concentrations for construction and operation of the SPAS alternatives are provided in Appendix C, *Air Quality*.

3.2 Exposure Concentrations (Dispersion)

Air dispersion modeling was used to estimate TAC concentrations for SPAS alternatives. TAC concentrations were estimated in two steps: first, dispersion modeling was used to estimate total VOC and PM10 concentrations, and then individual organic or particulate TAC concentrations were calculated using emissions profiles to speciate total VOC and PM10 estimates. Program-related concentrations for TAC from construction and operational sources were estimated using the air dispersion model (AERMOD) with model options for 1-hour maximum and annual average concentrations selected. The SPAS alternatives were modeled for anticipated conditions in 2025 after buildout; baseline (2009) conditions were modeled using available emissions data and assumptions for that year. Short-term 1-hour concentrations and annual average concentrations for baseline conditions were subtracted from short-term 1-hour concentrations and annual average concentrations for the SPAS alternatives, respectively, to estimate the incremental impact of each alternative.

Details of the dispersion model analysis for the SPAS alternatives emissions are provided in Section 4.2, *Air Quality,* and a summary is provided in Section 4.7.1.2.2 of the SPAS Draft EIR.

4. HUMAN HEALTH RISK ASSESSMENT

This HHRA assess incremental changes to health impacts for people exposed to TAC resulting from construction and operations associated with each SPAS alternative. Cancer risk and chronic non-cancer health hazard estimates for impacts of the SPAS alternatives are based on estimated project emissions and air dispersion modeling as discussed above and are discussed in the following sections. Acute non-cancer health hazard estimates were also addressed using emission estimates and dispersion modeling. Risk calculations, presented in Attachment 2 to this appendix, indicate that estimates of cancer risks and chronic health hazards associated with emissions during and subsequent to the SPAS alternatives would be below regulatory thresholds of significance. Since assessment of health risks included locations where concentrations of TAC were predicted to be highest, either on-airport for construction workers or at locations in the immediate vicinity of the airport for other receptors, this finding applies to all areas on and around LAX. Some SPAS-related incremental acute non-cancer hazard indices would be at or slightly above the threshold of significance of 1 at locations of modeled peak TAC concentrations for all SPAS alternatives. At this time, select, quantifiable and feasible mitigation measures from the LAX Master Plan MMRP were assumed for the SPAS HHRA and acute non-cancer health hazard impacts are considered to be significant and unavoidable for small areas at or near the LAX fence-line.

Detailed discussions of the incremental cancer risk and chronic non-cancer health hazard estimates for impacts of each SPAS alternative are provided in Section 4.7.1.6 of the Draft EIR. Below is a broad overview of the risks by receptor.

The discussion of cumulative risks is provided in Section 5.5.7.1 of the Draft EIR.

4.1 Cancer Risks and Non-Cancer Health Hazards Associated with SPAS Alternatives

Cancer risk estimates for construction and operational sources are presented below for on-airport workers (occupational exposure), and off-airport workers, residents, and school children. Acute and chronic non-cancer health hazards are discussed.

Cancer risk estimates assume, for convenience, that construction and operational emissions are concurrent for the 11-year construction period. Also for convenience in cancer risk calculations, construction emissions during the construction period were amortized over the entire 70-year exposure period and then added to operational emissions. This approach allowed use of a single exposure concentration in the calculations.

Acute non-cancer health hazards are driven by acrolein and, to a lesser degree, by formaldehyde, so DPM in construction emissions would be expected to contribute only marginally to acute total hazard indices. However, to assess the exposure increment from construction emissions, DPM construction emissions were speciated in the air quality modeling to determine 1-hour incremental concentrations for acrolein and formaldehyde. The resulting incremental acrolein concentrations were minimal and would not have a notable impact on acute incremental hazards represented by the various SPAS alternatives. Thus, acrolein from DPM construction emissions was not further considered in the assessment for acute non-cancer health hazards. However, the speciated DPM did result in increases in formaldehyde. These resulting incremental formaldehyde emissions were added to the operational emissions, resulting in a single exposure concentration in the acute non-cancer health hazards calculations.

4.1.1 Comparison of On-Airport Air Concentrations with OSHA Limits for On-Airport Workers

Effects on on-airport workers were evaluated by comparing estimated maximum 1-hour air concentrations of TAC to the California Occupational Safety and Health Administration (CalOSHA) 8-hour Time-Weighted Average Permissible Exposure Levels (PEL-TWAs)[35]. Estimated on-airport air concentrations and PEL-TWAs for TAC of concern for LAX SPAS alternatives are presented in **Table 5**.

[35] California Occupational Safety and Health Administration, Permissible Exposure Limits for Chemical Contaminants, Table AC 1, Available: http://www.dire.ca.gov/title8/5155.html.

Table 5

Comparison of CalOSHA Permissible Exposures Limits to Maximum Estimated 8-Hour On-Airport Air Concentrations

		On-Airport Air Concentrations (mg/m^3)[2]								
TAC[1]	**CAL OSHA PEL-TWA (mg/m^3)[3]**	**Alt. 1**	**Alt. 2**	**Alt. 3**	**Alt. 4**	**Alt. 5[6]**	**Alt. 6[6]**	**Alt. 7[6]**	**Alt. 8[7,8]**	**Alt. 9[7,8]**
acetaldehyde	45	0.013	0.015	0.014	0.013	0.013	0.013	0.013	0.015	0.015
acrolein	0.25	0.0051	0.0062	0.0074	0.0057	0.0050	0.0051	0.0051	0.0062	0.0062
benzene	3.19	0.013	0.013	0.016	0.013	0.013	0.013	0.013	0.013	0.013
formaldehyde	0.92	0.035	0.040	0.040	0.036	0.034	0.035	0.035	0.040	0.040
methanol	260	0.0040	0.0047	0.0058	0.0044	0.0039	0.0040	0.0040	0.0047	0.0047
methyl ethyl ketone	590	0.00079	0.00079	0.00013	0.00065	0.00080	0.00080	0.0008	0.00080	0.00080
phenol	19	0.0015	0.0018	0.0022	0.0017	0.0015	0.0015	0.0015	0.0018	0.0018
styrene	215	0.00100	0.00110	0.0014	0.0011	0.00099	0.00100	0.0010	0.0011	0.0011
toluene	37	0.016	0.015	0.020	0.015	0.016	0.016	0.016	0.016	0.016
m-xylene	NA[4]	0.0066	0.0061	0.0075	0.0064	0.0066	0.0066	0.0066	0.0066	0.0066
o-xylene	NA	0.0045	0.0041	0.0058	0.0043	0.0045	0.0045	0.0045	0.0045	0.0045
p-xylene	NA	0.0032	0.0029	0.0046	0.0030	0.0031	0.0032	0.0032	0.0032	0.0032
xylene (total)	435	0.0142	0.0131	0.0179	0.0138	0.0142	0.0142	0.0142	0.0142	0.0142
arsenic	0.01	0.0000028	0.0000027	0.0000040	0.0000030	0.0000028	0.0000028	0.0000028	0.0000028	0.0000028
chlorine	1.5	0.00045	0.00043	0.00031	0.00044	0.00045	0.00045	0.00044	0.00045	0.00045
copper	1	0.000017	0.000016	0.000022	0.000018	0.000017	0.000017	0.000017	0.000017	0.000017
mercury	0.025	0.000017	0.000016	0.000024	0.000018	0.000017	0.000017	0.000017	0.000017	0.000017
nickel	0.5	0.000012	0.000012	0.000015	0.000013	0.000013	0.000012	0.000012	0.000013	0.000013

Table 5

Comparison of CalOSHA Permissible Exposures Limits to Maximum Estimated 8-Hour On-Airport Air Concentrations

		On-Airport Air Concentrations (mg/m^3)[2]								
TAC[1]	**CAL OSHA PEL-TWA (mg/m^3)[3]**	**Alt. 1**	**Alt. 2**	**Alt. 3**	**Alt. 4**	**Alt. 5[6]**	**Alt. 6[6]**	**Alt. 7[6]**	**Alt. 8[7,8]**	**Alt. 9[7,8]**
vanadium[5]	0.05	0.000016	0.000016	0.000023	0.000017	0.000016	0.000016	0.000016	0.000016	0.000016
sulfates	NA[4]	0.011	0.011	0.014	0.012	0.011	0.011	0.011	0.011	0.011

1 All TAC that were modeled for hourly concentrations and for which PEL-TWAs are available. TAC PEL-TWAs are not available for diesel exhaust and sulfates. Further, air dispersion modeling was conducted only for TAC identified as of concern for cancer risks and chronic non-cancer health hazards. As a result, a few TAC that have PEL-TWAs are not listed in this table because modeled concentrations were not available. These TAC include: 1,3-butadiene, ethylbenzene, naphthalene, n-hexane, chromium +6, lead, and manganese. PEL-TWA comparisons for these TAC were addressed in the LAX Master Plan EIR, which indicated that none of these TAC would present an important acute non-cancer health hazard. Uncertainties in the PEL-TWA analysis are discussed in the uncertainties section (Section 5) of this appendix.

2 Values listed are maximum 1-hour concentrations at on-airport location, receptor location #327, which represents concentrations in the middle of the CTA. These values represent reasonable estimates of 8-hour concentrations on-airport.

3 California Occupational Safety and Health Administration, Permissible Exposure Limits for Chemical Contaminants, Table AC-1, 2008, Available: http://www.dir.ca.gov/title8/5155table_ac1.html.

4 NA = Not Available

5 Value listed for vanadium is for vanadium pentoxide, the most common form of vanadium.

6 Alternatives 5 through 7 focus primarily on airfield improvements and related terminal and roadway improvements. Those improvements are compatible with the ground access improvements proposed under Alternatives 1, 2, 8, and 9. Concentrations presented in this table for Alternatives 1, 2, 5, 6, and 7 are based on TAC concentrations that are specific to the airfield and terminal characteristics of each of these alternatives; however, TAC concentrations associated with non-airfield sources (i.e., roadways, parking, stationary, and off-airport) included in the analysis of Alternatives 5 through 7 reflect the range predicted for Alternatives 1, 2, 8, and 9. The maximum of the range from the alternative combinations is shown. The concentrations presented relative to both airfield and non-airfield operations for Alternatives 3 and 4 are specific to the characteristics of each of these alternatives, which still provide a basis for comparison with the other alternatives.

7 Alternatives 8 and 9 focus primarily on ground access improvements; however, those improvements are compatible with airfield improvements, and related terminal and roadway improvements, proposed under Alternatives 1, 2, 5, 6, and 7. The concentrations presented in this table for Alternatives 1 and 2 are based on TAC concentrations that are specific to the non-airfield (i.e., roadways, parking, stationary, and off-airport) characteristics of each of these alternatives; however, TAC concentrations associated with Alternatives 8 and 9 reflect the range of those concentrations for Alternatives 1, 2, 5, 6, and 7. The maximum of the range from the alternative combinations is shown.

8 Although the improvements associated with Alternatives 8 and 9 are not the same (Alternative 8 has a busway whereas Alternative 9 has an Automated People Mover), the same range is shown for both Alternatives 8 and 9 because the receptor for these impacts is located on the airport and the major contributors to impacts at this location are on-airport sources (i.e., aircraft, GSE, APU, and CTA traffic). The influence of off-airport ground access sources is negligible at this location; therefore, results for Alternatives 8 and 9 are equivalent.

Sources: CDM Smith, 2012.

Estimated maximum 1-hour air concentrations at on-airport locations under the SPAS alternatives for unmitigated[36] construction and operations are a few to several orders of magnitude below PELs for all TAC. This result suggests that air concentrations from airport emissions with implementation of the SPAS alternatives would not exceed those considered "acceptable" by CalOSHA standards.

4.1.2 Cancer Risks and Chronic Non-Cancer Health Hazards for Maximally Exposed Individuals (MEI) -- Residents and School Children

For the SPAS alternatives, 326 grid points were analyzed along the airport fence-line and in the vicinity of the airport. These locations are shown in Figure 4.7.1-1 of the Draft EIR. Concentrations at the fence-line locations represent maximum concentrations of TAC predicted by the air dispersion modeling, can be used to evaluate exposure to a MEI, and thus provide a ceiling for risks and hazards for off-airport residential, commercial, and student receptors. In essence, these calculations assumed that people live, work, and go to school at the LAX fence-line. Although this assumption is incorrect, it is obviously conservative. No exposures or risks within the community would be higher than those calculated in this HHRA.

Air concentrations for TAC for construction and operational sources were developed using emissions estimates and dispersion modeling as described in Sections 3.1 and 3.2 above. Using these emission estimates, exposure parameters for potential receptors and current toxicity values, cancer risks and chronic non-cancer health hazards were calculated for adult residents, resident children ages 0 to 6 years, and for elementary-aged school children at fence-line locations where air concentrations for TAC were predicted. Peak cancer risks and chronic non-cancer health hazards for MEI at the fence-line location are summarized in **Tables 6** and **7**; calculations are presented in Attachment 2.

[36] Emission estimates for SPAS alternatives assume that mitigation measures identified in the LAX Master Plan EIR are in place. These measures are now part of all plans for renovation of the airport.

Table 6

Peak Incremental Cancer Risks for the SPAS Alternatives

	Incremental Cancer Risks[1,2,3,4] (per million people)							
Receptor Type	**Alt. 1**	**Alt. 2**	**Alt. 3**	**Alt. 4**	**Alt. 5[5]**	**Alt. 6[5]**	**Alt. 7[5]**	**Alts. 8 and 9[6,7]**
Child Resident	-0.70	-0.77	-0.74	-0.75	-0.60	-0.72-(-0.71)	-0.72 to -0.71	-0.77 to -0.60
School Child	-0.13	-0.15	-0.14	-0.14	-0.12 to -0.11	-0.14	-0.14	-0.15 to -0.11
Adult Resident	-8.2	-9.0	-8.6	-8.7	-7.0	-8.4 to-8.3	-8.4 to-8.3	-9.0 to -7.0
Adult Worker	-4.8	-4.9	1.6	-4.3	-4.8	-4.8	-4.8	-4.9 to -4.8

Notes:

Peak incremental cancer risk locations are the locations with the smallest negative increments (i.e., where beneficial impacts would be smallest). These locations are used to determine the significance of project impacts.

1 Values provided are calculated using RAGS Part F methodology. See Attachment 5 for results calculated using RAGS Part A methodology.

2 Incremental values indicate changes in the number of cancer cases per million people exposed as compared to baseline conditions. Estimates are rounded to two significant figures.

3 Negative values indicate a beneficial impact.

4 Maximum values indicated are not all located at the same grid location.

5 Alternatives 5 through 7 focus primarily on airfield improvements and related terminal and roadway improvements. Those improvements are compatible with the ground access improvements proposed under Alternatives 1, 2, 8, and 9. Cancer risks presented in this table for Alternatives 1, 2, 5, 6, and 7 are based on TAC concentrations that are specific to the airfield and terminal characteristics of each of these alternatives; however, TAC concentrations associated with non-airfield sources (i.e., roadways, parking, stationary, and off-airport) included in the analysis of Alternatives 5 through 7 reflect the range predicted for Alternatives 1, 2, 8, and 9. Ranges are shown where combined TAC concentrations associated with airfield and related terminal and roadway improvements, and improvements associated with non-airfield sources, results in a range of cancer risk estimates. When only a single value is shown, it means that small differences among alternatives resulted in no changes in risk estimates when rounded to two significant figures. The emissions presented relative to both airfield and non-airfield operations for Alternatives 3 and 4 are specific to the characteristics of each of these alternatives, which still provide a basis for comparison with the other alternatives.

6 Alternatives 8 and 9 focus primarily on ground access improvements; however, those improvements are compatible with airfield improvements, and related terminal and roadway improvements, proposed under Alternatives 1, 2, 5, 6, and 7. The cancer risks presented in this table for Alternatives 1 and 2 are based on TAC concentrations that are specific to the non-airfield (i.e., roadways, parking, stationary, and off-airport) characteristics of each of these alternatives; however, cancer risks associated with Alternatives 8 and 9 reflect the range of risks for Alternatives 1, 2, 5, 6, and 7.

7 Although the improvements associated with Alternatives 8 and 9 are not identical (Alternative 8 has a busway whereas Alternative 9 has an Automated People Mover), cancer risks are predominantly driven by exposure to DPM and emissions of DPM from GSE would be the same for Alternatives 8 and 9. Therefore, only one range is shown for both alternatives.

Source: CDM Smith, 2012.

Table 7

Peak Incremental Chronic Non-Cancer Health Hazards for Maximally Exposed Individuals for the SPAS Alternatives

	Incremental Non-Cancer Health Hazards[1,2,3]							
Receptor Type	**Alt. 1**	**Alt. 2**	**Alt. 3**	**Alt. 4**	**Alt. 5[4]**	**Alt. 6[4]**	**Alt. 7[4]**	**Alts. 8 and 9[5,6]**
Child Resident	0.47	0.32	0.41	0.27	0.49	0.41	0.40	0.32-0.49
School Child	0.09	0.06	0.08	0.05	0.09	0.08	0.08	0.06-0.09
Adult Resident	0.47	0.32	0.41	0.27	0.49	0.41	0.40	0.32-0.49
Adult Worker	0.13	0.11	0.20	0.16	0.13	0.12	0.12	0.11-0.13

Notes:

Peak incremental chronic non-cancer health hazard locations are the locations with the greatest increment (i.e., where hazard impacts would be highest). These locations are used to determine the significance of project impacts.

1 Values provided are calculated using RAGS Part F methodology. See Attachment 5 for results calculated using RAGS Part A methodology.

2 Incremental values indicate change as compared to baseline conditions. Estimates are rounded to two significant figures.

3 Maximum values indicated are not all located at the same grid location.

4 Alternatives 5 through 7 focus primarily on airfield improvements and related terminal and roadway improvements. Those improvements are compatible with the ground access improvements proposed under Alternatives 1, 2, 8, and 9. Chronic non-cancer health hazards presented in this table for Alternatives 1, 2, 5, 6, and 7 are based on TAC concentrations that are specific to the airfield and terminal characteristics of each of these alternatives; however, TAC concentrations associated with non-airfield sources (i.e., roadways, parking, stationary, and off-airport) included in the analysis of Alternatives 5 through 7 reflect the range predicted for Alternatives 1, 2, 8, and 9. Ranges are shown where combined TAC concentrations associated with airfield and related terminal and roadway improvements, and improvements associated with non-airfield sources, results in a range of chronic non-cancer health hazards. When only a single value is shown, it means that small differences among alternatives resulted in no changes in hazard estimates when rounded to two significant figures. The emissions presented relative to both airfield and non-airfield operations for Alternatives 3 and 4 are specific to the characteristics of each of these alternatives, which still provide a basis for comparison with the other alternatives.

5 Alternatives 8 and 9 focus primarily on ground access improvements; however, those improvements are compatible with airfield improvements, and related terminal and roadway improvements, proposed under Alternatives 1, 2, 5, 6, and 7. The chronic non-cancer health hazards presented in this table for Alternatives 1 and 2 are based on TAC concentrations that are specific to the non-airfield (i.e., roadways, parking, stationary, and off-airport) characteristics of each of these alternatives; however, chronic non-cancer health hazards associated with Alternatives 8 and 9 reflect the range of hazards for Alternatives 1, 2, 5, 6, and 7.

6 Although the improvements associated with Alternatives 8 and 9 are not identical (Alternative 8 has a busway whereas Alternative 9 has an Automated People Mover), chronic non-cancer health hazards are predominantly driven by exposure to acrolein. Acrolein is only emitted from aircraft emissions, not from the ground access improvements represented in Alternatives 8 and 9. Therefore, the ranges represent chronic non-cancer health hazards associated with the airfield and terminal improvements associated with Alternatives 1, 2, 5, 6, and 7. As these ranges would apply equally to Alternatives 8 and 9, only one range is shown for both Alternatives 8 and 9.

Source: CDM Smith, 2012.

4.1.2.1 Residents (Adults and Young Children)

Residents were evaluated at grid nodes identified as residential, school, and recreational locations. Negative incremental cancer risks are predicted for implementation of all of the SPAS alternatives and all of the receptors, except for adult workers under Alternative 3. Peak incremental cancer risk locations are the locations with the smallest negative increments (i.e., where beneficial impacts would be smallest).

These locations are used to determine the significance of project impacts. However, these locations are not necessarily the locations where cancer risks are highest (i.e., MEI) under either baseline conditions or conditions with implementation of the SPAS alternatives. Rather, MEI are identified as being at locations where DPM concentrations and, consequently, cancer risks are highest. At MEI locations, beneficial impacts are substantial - that is, incremental cancer risks are more negative than they are at most other locations along the LAX fence-line.

Estimated peak incremental cancer risks for adult residents and child residents for the SPAS alternatives range from -0.6 in one million to -9 in one million for Alternatives 1 through 9. The negative values indicate that implementing any of the alternatives would result in decreases of some TAC concentrations (most notably DPM), which thereby results in decreases in cancer risk estimates and beneficial impacts for residents when compared to 2009 baseline impacts. Estimated incremental cancer risks are higher (in this case, more negative) for adults than for children, because exposure duration for adults is longer (i.e., adults will experience a greater beneficial impact). Exposure to DPM released during construction and operations contributed 56 percent of cancer risks (or greater depending on the alternative and receptor location) for adults and children. Unlike DPM, formaldehyde and 1,3-butadiene concentrations increased and incremental cancer risks considered individually for these TAC also increased. However, relatively small increases in risks from exposure to these TAC were more than offset by substantial decreases in DPM-related risks anticipated in 2025.

Incremental cancer risks for the varying alternatives are roughly the same, especially if risks are rounded to one significant figure. Ranking the alternatives from least to most beneficial, the order is: Alternatives 5, 8, and 9 (least beneficial); Alternative 1; Alternatives 6 and 7; Alternative 3; Alternative 4; and Alternative 2 (most beneficial).

These estimates show that project-related cancer risks for adults and for young children are predicted to be below the threshold of significance of 10 in one million for the unmitigated SPAS alternatives and are expected to result in decreases in cancer risks due to estimated decreases in DPM. These estimates are likely to be greater than actual exposure because they assume exposure occurs at the LAX fence-line for a lifetime. Concentrations at the fence-line are maxima. Actual exposures will occur at locations removed from the fence-line where less of an impact is predicted.

Project-related chronic non-cancer hazard indices for construction impacts associated with SPAS alternatives are provided in **Table 7**. Hazard indices for adult residents and child residents living at the peak TAC concentration location under the unmitigated scenario for the construction and operation of the SPAS alternatives are estimated to range from 0.3 to 0.5. Non-cancer hazard indices for adult residents and child residents are the same because the RAGS Part F methodology does not normalize hazard indices to body weight. All incremental chronic non-cancer health hazards for adults and for young children are predicted to be below the significance threshold of 1. Hazard indices are primarily attributable to acrolein and formaldehyde with acrolein contributing roughly four times more than formaldehyde.

Ranking the alternatives from highest to lowest hazard indices, the order is: Alternatives 5, 8, and 9 (highest hazard indices); Alternative 1; Alternatives 3 and 6; Alternative 7; Alternative 2; and Alternative 4 (lowest hazard indices).

4.1.2.2 School Children

School children were evaluated at all school grid nodes and at grid nodes identified as residential locations because future schools could be located in any residentially zoned area. Incremental cancer risks for children attending schools within the study area are estimated to range from -0.2 to -0.1 for all SPAS alternatives, when rounded to one significant figure. As noted above, these negative values indicate that implementing any of the alternatives would result in slight beneficial impacts to school children when compared to 2009 baseline impacts. Risks below 1 in one million are typically considered negligible by regulatory agencies in California. DPM contributed to the majority of the cancer risk (56 percent or greater depending on the alternative). As noted in the discussion for residents, although formaldehyde and 1,3-butadiene concentrations increased and incremental cancer risks considered

individually for these TAC also increased, their increased concentrations were more than offset by the decreases in DPM; and negative (beneficial impacts) incremental cancer risks resulted. Project-related cancer risks for school children are predicted to be below the threshold of significance for all SPAS alternatives.

Project-related chronic non-cancer hazard indices for chemicals affecting the same target (i.e., the respiratory system) for MEI school children ranged from 0.05 to 0.09. Ranking the alternatives from highest to lowest hazard indices, the order is: Alternatives 1, 5, 8, and 9 (highest hazard indices); Alternatives 3, 6 and 7; Alternative 2; and Alternative 4 (lowest hazard indices). Hazard indices are primarily attributable to acrolein and formaldehyde with acrolein contributing roughly four times more than formaldehyde. Project-related chronic non-cancer health hazards for school children are predicted to be below the threshold of significance for all SPAS alternatives.

4.1.2.3 Adult Workers

Adult workers were evaluated at all grid nodes identified as commercial locations. Incremental cancer risks were evaluated for adult workers at grid locations identified as commercial in land use within the study area. Cancer risks for adult workers under the unmitigated scenario are estimated to range from -5 in one million to 2 in one million. Ranking the alternatives from least to most beneficial, the order is: Alternative 3 (highest impact); Alternative 4; Alternatives 1, 5, 6, 7, 8, and 9; and Alternative 2 (most beneficial). Negative values indicate that implementing Alternatives 1, 2, 4, 5, 6, 7, 8, and 9 would result in beneficial impacts to adult workers when compared to 2009 baseline impacts. Alternative 3 is the only SPAS alternative that would not results in a negative or beneficial impact. However, cancer risk under Alternative 3 for adult workers is still predicted to be below the threshold of significance. Again, as noted in the discussion for residents, decreases DPM contributed to the majority (41 to 96 percent) of the project-related cancer risk with increases in formaldehyde and 1,3-butadiene concentrations only slightly offsetting the negative (beneficial impacts) attributable to the DPM. Overall, project-related cancer risks for SPAS alternatives for adult workers are predicted to be below the threshold of significance.

Project-related chronic non-cancer hazard indices for adult workers range from 0.1 to 0.2. Ranking the alternatives from highest to lowest hazard indices, the order is: Alternative 3 (highest hazard indices); Alternative 4; Alternatives 1, 5, 8, and 9; Alternative 6 and 7; and Alternative 2 (lowest hazard indices). Hazard indices are primarily attributable to acrolein and formaldehyde with acrolein contributing roughly four to six times more than formaldehyde, depending on the alternative. Project-related chronic non-cancer health hazards for adult workers for SPAS alternatives are predicted to be below the threshold of significance.

4.1.2.4 Risks Described Geographically

Emissions for unmitigated construction and operation of SPAS alternatives were calculated for each grid node in the AERMOD modeling domain. Incremental emissions over the 2009 baseline were then used to generate risk estimates on a spatial basis as overlays on a map of the LAX study area. Incremental cancer risks for the SPAS alternatives are presented in Figures 4.7.1-2 and 4.7.1-3 of the Draft EIR. Grid nodes in the figures are represented by shapes reflecting their land use type (residential, commercial, recreational, or school), which is also the basis by which the risks at that location were calculated, with the following exceptions. School children were evaluated for all residential locations because future schools could be located in any residentially zoned area. Similarly, residents were evaluated at all school locations. Since recreational receptors were not evaluated in previous LAX HHRA analyses, these locations were evaluated for residential receptors to be protective.

As described above under the separate discussions for each receptor, incremental cancer risks for all receptors are negative under all alternatives, with the exception of adult workers under Alternative 3, indicating beneficial impacts for receptors compared to the 2009 baseline. Although the cancer risks estimated for adult workers at three grid node locations under Alternative 3 were not negative, they were below the threshold of significance. Because nearly all incremental cancer risks are negative, geographic trends are not relevant to a discussion of significance findings. Peak off-airport residential (grid node

#28) and commercial (grid node #266) receptor locations were consistent for all alternatives, except for the residential receptor for Alternative 5 (grid node #81) and commercial receptor for Alternative 3 (grid node #225). Cancer risks for the school child were used to represent the residential and school nodes because these values are higher than residential risks and thus provide a ceiling for risks at these locations.

Locations for MEI were identified as locations where DPM concentrations were modeled to be highest prior to baseline concentrations being subtracted to determine the incremental impacts. Locations for MEI for Alternatives 1, 2, 5, 6, and 7 were all the same, grid node #173 at the fence-line nearest the LAX Theme Building.

Project-related non-cancer hazard indices for the SPAS alternatives are shown in Figures 4.7.1-4 and 4.7.1-5 of the Draft EIR. Although all non-cancer hazard indices are less than 1, negative values and positive values are depicted by different colors.

Peak off-airport residential (grid node #81) and commercial (grid node #236) receptor locations were consistent for all alternatives, except for the residential receptor for Alternative 4 (grid node #130). Chronic non-cancer health hazards for the adult and child were used to represent the residential and school nodes because these values are higher than the school child hazards and thus provide a ceiling for risks at these locations.

Because all incremental chronic non-cancer health hazards are less than the thresholds of significance, examining the geographic trends is more academic than practicable. For all alternatives, negative incremental chronic non-cancer health hazard locations appear in approximately the same areas - east of the LAX Theme building, southeast of Runway 7R/25L in the south airfield (with the exception of Alternatives 3 and 4 where the negative values are only east of the runway), and northeast of Arbor Vitae Street. All other incremental chronic non-cancer health hazards are greater than zero but less than one, the significance threshold.

4.1.3 Acute Non-Cancer Health Hazards

As with cancer risks and chronic non-cancer health hazards, acute non-cancer health hazards were analyzed at 327 grid points within the study area. Short-term concentrations of TAC for SPAS sources were estimated using AERMOD with the model option for 1-hour maximum concentrations selected. Acute non-cancer health hazards were estimated at each grid point by comparison of the modeled TAC concentration at each grid point with the acute REL. All TAC identified in SPAS construction and operational emissions and for which CalEPA has developed acute RELs were evaluated for potential acute non-cancer health hazards. All acute non-cancer health hazard estimates are specific for airport emissions and are independent of county-wide estimates developed by USEPA.

Land use distinctions and different exposure scenarios are irrelevant for assessment of acute non-cancer health hazards. For example, someone visiting a commercial establishment would potentially be subject to the same acute non-cancer health hazards as someone working at the establishment. However, likely receptors (residential, school, recreational, and occupational) for each grid point were designated through inspection of aerial photos, since these designations may provide some reflection of populations more likely to be exposed in certain locations. Residential land use was, for example, assumed for grid points that are adjacent to residential areas. Acute non-cancer health hazards at these locations may reflect the relative magnitude of acute non-cancer health hazards in residential areas nearest to emission sources. Likewise, off-airport workers were assumed at receptor locations that are adjacent to commercial land uses. Fence-line concentrations of TAC are likely to represent the highest concentrations and potential impacts for residents and workers. Thus, hazards estimated for the LAX fence-line are likely to overestimate risks and hazards that may occur in actual residential or commercial areas. Three schools, Saint Bernard High School, Visitation Catholic Elementary School, and Imperial Avenue School, were identified as school sites in the study area closest to the fence-line; potential acute non-cancer health hazards for school children were estimated at the grid points closest to these locations (Saint Bernard High School - grid points 46 to 54 and 56 to 58; Visitation Catholic Elementary School - grid points 106 to 110, and Imperial Avenue School - grid points - 302 and 303).

Acrolein and formaldehyde are the only TAC of concern in emissions from LAX that might be present at concentrations approaching the threshold for acute non-cancer health hazards. Acute non-cancer health hazards for TAC other than acrolein and formaldehyde are orders of magnitude below 1 and below the acute non-cancer health hazards estimated for short-term exposure to acrolein and formaldehyde. Other TAC potential acute non-cancer health hazards are discussed in the Uncertainties Section. Acrolein is responsible for the majority of all predicted acute non-cancer health hazards associated with LAX SPAS operations and is primarily associated with aircraft emissions. (For a detailed discussion of uncertainties regarding the presence of acrolein in aircraft emissions, see Section 7.3 of Technical Report S-9a of the LAX Master Plan Final EIR.) Maximum acute non-cancer health hazards associated with exposure to acrolein and formaldehyde from LAX SPAS operations are summarized in **Tables 8 and 9,** respectively. Figures 4.7.1-6 and 4.7.1-7 of the Draft EIR show the receptor locations with peak acrolein concentrations. Results are provided in Attachment 3 to this appendix.

Table 8

Acute Non-cancer Health Hazard Indices for Acrolein under the SPAS Alternatives

Receptors	Summary of Acute Non-cancer Health Hazard Indices for Acrolein[1]								
	Alt. 1	Alt. 2	Alt. 3	Alt. 4	Alt. 5[6]	Alt. 6[6]	Alt. 7[6]	Alt. 8[7,8]	Alt. 9[7,8]
Residential Locations									
Maximum HI[2]	**3.0**[3]	**2.0**	**2.7**	**2.7**	**2.9**	**2.8**	**2.8**	**2.0-3.0**	**2.0-3.0**
Average HI	0.93	0.98	**1.1**	**1.2**	0.88	0.90	0.96	0.88 to 0.98	0.88 to 0.98
Minimum HI	0.012	-0.02[4]	-0.27	0.11	-0.03	-0.00014	-0.04	-0.04 to -0.012	-0.04 to-0.012
Recreational Locations									
Maximum HI	**1.4**	**1.2**	**1.3**	**1.8**	**1.3**	**1.4**	**1.3**	**1.2** to **1.4**	**1.2** to **1.4**
Average HI	0.76	0.81	0.74	0.94	0.71	0.74	0.80	0.71 to 0.81	0.71 to 0.81
Minimum HI	0.44	0.19	-0.03	0.54	0.41	0.43	0.53	0.19 to 0.53	0.19 to 0.53
Off-Airport Worker Locations									
Maximum HI	**1.6**	**1.7**	**3.1**	**3.9**	**1.5**	**1.6**	**1.8**	**1.5 to 1.8**	**1.5** to **1.8**
Average HI	0.75	0.80	**1.1**	**1.2**	0.71	0.74	0.80	0.71 to 0.80	0.71 to 0.80
Minimum HI	-0.08	0.34	0.04	0.05	-0.13	-0.10	0.006	-0.13 to 0.34	-0.13 to 0.34
School Child Locations									
Maximum HI	**1.2**	**2.2**	**2.4**	**1.3**	**1.1**	**1.1**	**1.5**	**1.1** to **2.2**	**1.1** to **2.2**
Average HI	0.75	**1.3**	**1.4**	0.94	0.70	0.71	0.85	0.70 to **1.3**	0.70 to **1.3**
Minimum HI	0.20	0.36	0.39	0.61	0.16	0.19	0.16	0.16 to 0.36	0.16 to 0.36
Overall Off-Airport									
Maximum HI	**3.0**	**2.2**	**3.1**	**3.9**	**2.9**	**2.8**	**2.4**	**3.0**	**3.0**
On-Airport Construction Worker Location[5]									
Maximum HI	0.71	**1.1**	**1.6**	0.97	0.67	0.71	0.73	0.67 to **1.1**	0.67 to **1.1**

1 Maximum and minimum locations are not at the same location for each scenario.
2 HI = Hazard Index
3 **Bold** HIs are greater than the significance threshold of 1.
4 Negative values indicate a beneficial impact.
5 Only one on-airport location was assessed.
6 Alternatives 5 through 7 focus primarily on airfield improvements and related terminal and roadway improvements. Those improvements are compatible with the ground access improvements proposed under Alternatives 1, 2, 8, and 9. Acute non-cancer health hazards presented in this table for Alternatives 1, 2, 5, 6, and 7 are based on TAC concentrations that are specific to the airfield and terminal characteristics of each of these alternatives; however, TAC concentrations associated with non-airfield sources (i.e., roadways, parking, stationary, and off-airport) included in the analysis of Alternatives 5 through 7 reflect the range predicted for Alternatives 1, 2, 8, and 9. Ranges are shown where combined TAC concentrations associated with airfield and related terminal and roadway improvements, and improvements associated with non-airfield sources, results in a range of acute non-cancer health hazards. When only a single value is shown, it means that small differences among alternatives resulted in no changes in hazard estimates when rounded to two significant figures. The emissions presented relative to both airfield and non-airfield operations for Alternatives 3 and 4 are specific to the characteristics of each of these alternatives, which still provide a basis for comparison with the other alternatives.

Table 8

Acute Non-cancer Health Hazard Indices for Acrolein under the SPAS Alternatives

Receptors	Summary of Acute Non-cancer Health Hazard Indices for Acrolein[1]								
	Alt. 1	Alt. 2	Alt. 3	Alt. 4	Alt. 5[6]	Alt. 6[6]	Alt. 7[6]	Alt. 8[7,8]	Alt. 9[7,8]

[7] Alternatives 8 and 9 focus primarily on ground access improvements; however, those improvements are compatible with airfield improvements, and related terminal and roadway improvements, proposed under Alternatives 1, 2, 5, 6, and 7. The acute non-cancer health hazards presented in this table for Alternatives 1 and 2 are based on TAC concentrations that are specific to the non-airfield (i.e., roadways, parking, stationary, and off-airport) characteristics of each of these alternatives; however, acute non-cancer health hazards associated with Alternatives 8 and 9 reflect the range of hazards for Alternatives 1, 2, 5, 6, and 7.

[8] Although the improvements associated with Alternatives 8 and 9 are not identical (Alternative 8 has a busway whereas Alternative 9 has an Automated People Mover), acute non-cancer health hazards are predominantly driven by exposure to acrolein. Acrolein is only emitted from aircraft emissions, not from the ground access improvements represented in Alternatives 8 and 9. Therefore, the ranges represent acute non-cancer health hazards from the airfield improvements associated with Alternatives 1, 2, 5, 6, and 7. As these ranges would apply equally to Alternatives 8 and 9, the same ranges are shown for both Alternatives 8 and 9.

Sources: CDM Smith, 2012.

Table 9

Acute Non-cancer Health Hazard Indices for Formaldehyde under the SPAS Alternatives

Receptors	Summary of Acute Non-cancer Health Hazard Indices for Formaldehyde[1]								
	Alt. 1	Alt. 2	Alt. 3	Alt. 4	Alt. 5[5]	Alt. 6[5]	Alt. 7[5]	Alt. 8[6,7]	Alt. 9[6,7]
Residential Locations									
Maximum HI[2]	0.64	0.41	0.55	0.58	0.62	0.59	0.50	0.41 to 0.64	0.41 to 0.64
Average HI	0.18	0.18	0.18	0.23	0.17	0.17	0.18	0.17 to 0.18	0.17 to 0.18
Minimum HI	-0.05[3]	-0.04	-0.12	-0.02	-0.06	-0.06	-0.07	-0.07 to -0.04	-0.07 to -0.04
Recreational Locations									
Maximum HI	0.29	0.24	0.27	0.38	0.28	0.29	0.26	0.24 to 0.29	0.24 to 0.29
Average HI	0.15	0.16	0.13	0.18	0.14	0.15	0.16	0.14 to 0.16	0.14 to 0.16
Minimum HI	0.08	0.015	-0.05	0.08	0.07	0.08	0.09	0.015 to 0.09	0.015 to 0.09
Off-Airport Worker Locations									
Maximum HI	0.39	0.38	0.67	0.87	0.38	0.39	0.39	0.38 to 0.39	0.38 to 0.39
Average HI	0.13	0.14	0.18	0.22	0.12	0.13	0.14	0.12 to 0.14	0.12 to 0.14
Minimum HI	-0.08	0.02	-0.07	-0.06	-0.09	-0.09	-0.06	-0.09 to 0.02	-0.09 to 0.02
School Child Locations									
Maximum HI	0.23	0.47	0.49	0.24	0.22	0.22	0.30	0.22 to 0.47	0.22 to 0.47
Average HI	0.13	0.26	0.27	0.18	0.12	0.13	0.16	0.12 to 0.26	0.12 to 0.26
Minimum HI	-0.008	0.03	0.009	0.08	-0.02	-0.011	-0.02	-0.02 to 0.03	-0.02 to 0.03
Overall Off-Airport									
Maximum HI	0.64	0.47	0.67	0.87	0.62	0.59	0.50	0.41 to 0.64	0.41 to 0.64
On-Airport Construction Worker Location[4]									
Maximum HI	-0.03	0.06	0.11	-0.008	-0.04	-0.03	-0.03	-0.04 to 0.06	-0.04 to 0.06

[1] Maximum and minimum locations are not at the same location for each scenario.
[2] HI = Hazard Index
[3] Negative values indicate a beneficial impact.
[4] Only one on-airport location was assessed.
[5] Alternatives 5 through 7 focus primarily on airfield improvements and related terminal and roadway improvements. Those improvements are compatible with the ground access improvements proposed under Alternatives 1, 2, 8, and 9. Acute non-cancer health hazards presented in this table for Alternatives 1, 2, 5, 6, and 7 are based on TAC concentrations that are specific to the airfield and terminal characteristics of each of these alternatives; however, TAC concentrations associated with non-airfield sources (i.e., roadways, parking, stationary, and off-airport) included in the analysis of Alternatives 5 through 7 reflect the range predicted for Alternatives 1, 2, 8, and 9. Ranges are shown where combined TAC concentrations associated with airfield and related terminal improvements, and improvements associated with non-airfield sources, results in a range of acute non-cancer health hazards.

Table 9

Acute Non-cancer Health Hazard Indices for Formaldehyde under the SPAS Alternatives

Receptors	Summary of Acute Non-cancer Health Hazard Indices for Formaldehyde[1]								
	Alt. 1	Alt. 2	Alt. 3	Alt. 4	Alt. 5[5]	Alt. 6[5]	Alt. 7[5]	Alt. 8[6,7]	Alt. 9[6,7]

When only a single value is shown, it means that small differences among alternatives resulted in no changes in hazard estimates when rounded to two significant figures. Emissions presented relative to both airfield and non-airfield operations for Alternatives 3 and 4 are specific to the characteristics of each of these alternatives, which still provide a basis for comparison with the other alternatives.

6 Alternatives 8 and 9 focus primarily on ground access improvements; however, those improvements are compatible with airfield improvements, and related terminal and roadway improvements, proposed under Alternatives 1, 2, 5, 6, and 7. The acute non-cancer health hazards presented in this table for Alternatives 1 and 2 are based on TAC concentrations that are specific to the non-airfield (i.e., roadways, parking, stationary, and off-airport) characteristics of each of these alternatives; however, acute non-cancer health hazards associated with Alternatives 8 and 9 reflect the range of hazards for Alternatives 1, 2, 5, 6, and 7.

7 Although the improvements associated with Alternatives 8 and 9 are not the same (Alternative 8 has a busway whereas Alternative 9 has an Automated People Mover, acute non-cancer health hazards associated with formaldehyde are predominantly driven by aircraft emissions, not from the ground access improvements represented in Alternatives 8 and 9. Therefore, the ranges represent acute non-cancer health hazards from the airfield improvements associated with Alternatives 1, 2, 5, 6, and 7. As these ranges would apply equally to Alternatives 8 and 9, the same ranges are shown for both Alternatives 8 and 9.

Sources: CDM Smith, 2012.

Hazards due to acute exposure to acrolein range from below 0 to 4 for grid nodes within the study area under the SPAS alternatives. A hazard index equal to or greater than 1, the threshold of significance for acute effects, indicates that, for some weather conditions and for some locations near the airport, the concentration of acrolein could increase by 2.5 $\mu g/m^3$ or more for short periods of time. A hazard index equal to or greater than 1 indicates some potential for acute adverse health effects. Acute exposures to acrolein typically result in mild irritation of eyes and mucous membranes. Hazards due to acute exposure to formaldehyde range from below 0 to 1 for grid nodes within the study area. Acute exposures to formaldehyde may result in irritation to the eye and respiratory system and potentially adverse effects to the immune system.

All of the alternatives would result in significant acute non-cancer health hazard impacts where hazard quotients are greater than 1, based on a comparison to 2009 baseline conditions. A comparison of impacts between all of the alternatives in 2025 indicates that impacts would be less for those alternatives that propose airfield improvements than would otherwise occur if no airfield improvements were made, with the exception of Alternative 3. The overall off-airport acute non-cancer health hazard impacts associated with Alternatives 1, 2, 5, 6, and 7 (i.e., alternatives that propose specific airfield improvements) are less than those of Alternative 4 (i.e., the alternative that does not propose any airfield improvements other than those necessary to meet Runway Safety Area requirements). Alternative 3, which has the second highest overall off-airport acute non-cancer health hazard impacts, proposes airfield improvements, but the design of those improvements results in a greater amount of aircraft taxiing time (i.e., longer periods of aircraft engine emissions) than would otherwise occur if no airfield improvements were made.

At this time, feasible mitigation measures from the LAX Master Plan MMRP were assumed for the SPAS HHRA and acute non-cancer health hazard impacts are considered to be significant and unavoidable for small areas at or near the LAX fence-line. Significant acute non-cancer health hazard impacts where hazard quotients are equal to or greater than 2 would affect a small area primarily north of the west end of Runway 6L/24R in the north airfield for all SPAS alternatives. For Alternative 3, areas affected include: north of the west end of Runway 6L/24R in the north airfield, east of Runway 7L/24R in the south airfield, and near the east end of Runway 6L/24R in the north airfield. For Alternative 4, an additional small area south of Runway 7R/25L in the south airfield near Sepulveda Boulevard would be affected. Although the hazard quotients are above the threshold of 1, acute non-cancer health hazard impacts are expected to be minor because of the uncertainty factor of the acute REL and because the acute REL represents the

tail-end of a distribution and not a specific "bright line" beyond which adverse effects are certain; instead the onset of potentially induced symptoms is probabilistic.

Similar to above, it is important to note that, while all of the alternatives would result in significant acute non-cancer health hazard impacts where hazard quotients are greater than 1, based on a comparison to 2009 baseline conditions, a comparison of impacts between all of the alternatives in 2025 indicates that impacts would be less for those alternatives that propose airfield improvements than would otherwise occur if no airfield improvements were made, with the exception of Alternative 3. It should also be noted that significant acute impacts would occur at a small number of locations at the LAX fence-line. It is expected that actual impacts in the community would be below levels of significance.

4.2 Cumulative Risks and Non-Cancer Health Hazards Associated with the SPAS Alternatives

Methods for estimating cumulative impacts followed the approach used for the LAX Master Plan Final EIR, including using data collected for and analyzed in the Multiple Air Toxics Exposure Study in the South Coast Air Basin (MATES-III)[37] completed by the SCAQMD to evaluate cumulative cancer risks. Data presented in USEPA's National Air Toxics Assessment to evaluate cumulative chronic non-cancer health hazards were also used. For cumulative acute non-cancer health hazards, conservative (likely to overestimate) approximations of short-term concentrations were made using generic conversion factors and the annual average estimates of TAC in air from USEPA. These estimates can be used to provide a semi-quantitative evaluation of the possible range of cumulative impacts. The analysis of cumulative impacts is provided in Section 5.5.7.1 of the Draft EIR.

5. UNCERTAINTIES

Uncertainties are present in all facets of human health risk assessment. Potential important uncertainties associated with the HHRA for the LAX Master Plan are discussed in detail in Technical Report 14a and Technical Report S-9a of the LAX Master Plan Final EIR. These same uncertainty considerations apply to the analyses presented in the SPAS Draft EIR. These uncertainties are briefly summarized below.

5.1 Uncertainties Associated with Emission Estimates and Dispersion Modeling

Risk estimates were based on chemical concentration estimates obtained through emissions and dispersion modeling. Emissions estimates are sensitive to the values used to represent the numerous emission source variables (e.g., future aircraft operation assumptions) and to the air toxic emission factor values used for each source. Consequently, estimated emissions values are subject to uncertainties. Different assumptions and values of variables would result in different emissions estimates. The HHRA used well-accepted methods and best available emission factor data to develop estimates of emissions, and estimates and assumptions are reasonable and appropriate. Actual emissions are unlikely to be meaningfully greater than those used in the analyses.

In accordance with the Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments,[38] a simplification was made in the emissions modeling to model DPM and not the speciated emissions from diesel-fueled engines for the emission concentrations used in the evaluation of cancer risk or chronic non-cancer health impacts. According to the guidance, the inhalation cancer potency factor and REL for DPM already account for inhalation impacts from speciated emissions from

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37 The HHRA for the LAX Master Plan EIR was completed prior to publication of MATES III results. Thus, cumulative risk assessment for the LAX Master Plan HHRA used results from a previous and very similar study, MATES II.

38 California Environmental Protection Agency, Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments, Appendix D, August 2003.

diesel-fueled engines. Therefore, this omission in the modeling is not expected to impact the results of the analysis.

Another simplification was made in the estimate of construction emissions. Construction emissions were assumed to consist of only DPM. The primary source of construction emissions is diesel-fueled vehicles. In addition, DPM has been the primary cancer risk driver in the HHRAs conducted for the LAX EIRs, often contributing up to 95 percent of the incremental cancer risks at peak incremental cancer risk locations for the SPAS alternatives. However, for some SPAS alternatives and locations, the contribution of DPM to the incremental cancer risk is considerably less. For example, at the peak incremental cancer risk location for the adult worker under Alternative 3, only 42 percent of the incremental cancer risk is attributable to DPM. The rest of the incremental cancer risk is attributable to exposure to 1,3-butadiene (34 percent), benzene (11 percent), and formaldehyde (7 percent). By focusing the construction emissions only on DPM, cancer risks attributable to these chemicals could be underestimated. This issue is further discussed under Sections 5.3.2 and 5.4.2 below.

5.2 Evaluation of Sensitive Receptor Populations

Certain subpopulations may be more sensitive or susceptible to negative health impacts caused by environmental contaminants than the population at large. Risk estimates presented in the HHRA represent a wide range of potential exposures including the highest that can be reasonably expected. Thus, even though risk estimates are not provided for all potentially sensitive receptors in the area, populations not specifically evaluated are still expected to be represented. For example, quantitatively evaluated populations include those with the highest expected exposure durations and exposure frequencies (e.g., residents). Exposures are therefore expected to be less for other populations, even those with higher chemical sensitivities.

5.3 Uncertainties Associated with Exposure Parameter Assumptions

5.3.1 Uncertainties in Exposure Duration for Cancer Risks

An exposure duration of 70 years was used to estimate possible cancer risks associated with SPAS alternatives. A 70-year exposure duration is generally used by the SCAQMD in risk assessments performed for permitting purposes. This exposure duration combined with other exposure parameters used in this HHRA assumes that an individual exists who resides where maximum impacts occur in a location near construction similar to construction anticipated for LAX, and that the individual is sedentary, spending essentially all of his/her time at home. Further, this exposure duration assumes that construction emissions continue for a lifetime (6 years for a child and 70 years for an adult). In essence, SCAQMD assumes that person would constantly be exposed to emissions at the point of greatest impact for their entire lives. This combination of factors never occurs, and any estimates of cancer risk based on such a combination will greatly overestimate possible cancer risks for everyone in the study area.

In the Air Toxics Hot Spots Guidance,[39] OEHHA recommends using a stochastic approach to evaluating cancer risks for residential receptors (it does not recommend this approach for workers or for chronic non-cancer health hazards). It suggests consideration of a range of exposure durations, e.g., 9-year, 30-year, and 70-year exposure durations. Varying exposure duration for residents evaluated for the SPAS alternatives would not materially affect conclusions about the cancer risk impact of the SPAS alternatives because all of the incremental cancer risks estimated for residential receptors are negative (i.e., beneficial). The conclusions regarding potential cancer risk impacts of the SPAS alternatives would remain the same.

[39] California Environmental Protection Agency, Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments, August 2003.

5.3.2 Uncertainties Associated with the Evaluation of the Construction Emissions

For the evaluation of construction impacts, construction emissions from the SPAS alternatives were estimated for the 11-year construction period and then amortized over the 70-year exposure period to estimate the annual average emissions. While this approach may be appropriate for the estimate of cancer risks for the adult resident who has an exposure duration of 70 years, it may underestimate risks for receptors whose exposure durations are less than 70 years, such as the child resident and school child with 6-year exposure durations. To check the sensitivity of the conclusions to this amortization, annual average emissions were recalculated for the peak locations by amortizing the DPM construction emissions only over the 11-year construction period (instead of the 70-year period) and adding them to the incremental operation emissions. Then, cancer risks and non-cancer health hazards were recalculated for exposure to these revised exposure concentrations. The exposure duration for the adult resident and worker were also adjusted to be only the 11-year construction period since exposure to these revised exposure concentrations is not expected to extend beyond the 11-year construction period. These results are presented in **Tables 10** and **11**. Locations of the peak cancer risks and non-cancer health hazards are not the same locations as identified in the main analysis presented in Section 4.1.2. Calculations for this analysis are provided in Attachment 4.

Unlike the results presented in Section 4.1.2, the incremental cancer risks evaluated for adult and child residents and the school child were not negative for all SPAS alternatives, although all incremental cancer risks were less than the significance threshold of 10 in a million. Negative values indicate that implementing some of these alternatives would result in beneficial impacts to some receptors when compared to 2009 baseline impacts. Cancer risks for adult workers were similarly below the significance threshold of 10 in a million. In general, ranking the alternatives from highest impact to beneficial based on the residential receptors, the order is: Alternative 5 (highest impact); Alternative 1; Alternative 6; Alternative 3; Alternative 7, Alternative 2, and Alternative 4 (most beneficial). (Since Alternatives 8 and 9 are a range based on the results of Alternatives 1, 2, 5, 6, and 7, they are not included in this ranking.)

Table 10

Peak Incremental Cancer Risks for the SPAS Alternatives with Adjustment of Construction Emissions for 11-year Construction Period

	Incremental Cancer Risks[1,2,3,4] (per million people)							
Receptor Type	**Alt. 1**	**Alt. 2**	**Alt. 3**	**Alt. 4**	**Alt. 5[5]**	**Alt. 6[5]**	**Alt. 7[5]**	**Alts. 8 and 9[6,7]**
Child Resident	3.7	-0.68	2.7	-0.72	4.5	2.7 to 2.8	2.0	-0.68 to 4.5
School Child	0.70	-0.13	0.50	-0.14	0.85 to 0.86	0.52 to 0.53	0.37 to 0.39	-0.13 to 0.86
Adult Resident[8]	6.7	-1.3	4.9	-1.3	8.2 to 8.3	5.0 to 5.1	3.6 to 3.7	-1.3 to 8.3
Adult Worker[8]	-0.83	-1.3	5.5	-0.81	-0.67 to 0.18	-1.0 to 0.13	-1.3 to 0.15	-1.3 to 0.18

1 Values provided are calculated using RAGS Part A methodology. See Draft EIR Section 4.7.1 for results calculated using RAGS Part F methodology.

2 Incremental values indicate changes in the number of cancer cases per million people exposed as compared to baseline conditions. Estimates are rounded to two significant figures.

3 Negative values indicate a beneficial impact.

4 Maximum values indicated are not all located at the same grid location.

5 Alternatives 5 through 7 focus primarily on airfield improvements and related terminal and roadway improvements. Those improvements are compatible with the ground access improvements proposed under Alternatives 1, 2, 8, and 9. Cancer risks presented in this table for Alternatives 1, 2, 5, 6, and 7 are based on TAC concentrations that are specific to the airfield and terminal characteristics of each of these alternatives; however, TAC concentrations associated with non-airfield sources (i.e., roadways, parking, stationary, and off-airport) included in the analysis of Alternatives 5 through 7 reflect the range predicted for Alternatives 1, 2, 8, and 9. Ranges are shown where combined TAC concentrations associated with airfield and related terminal and roadway improvements, and improvements associated with non-airfield sources, results in a range of cancer risk estimates. When only a single value is shown, it means that small differences among alternatives resulted in no changes in risk estimates when rounded to two significant figures. The emissions presented relative to both airfield and non-airfield operations for Alternatives 3 and 4 are specific to the characteristics of each of these alternatives, which still provide a basis for comparison with the other alternatives.

6 Alternatives 8 and 9 focus primarily on ground access improvements; however, those improvements are compatible with airfield improvements, and related terminal and roadway improvements, proposed under Alternatives 1, 2, 5, 6, and 7. The cancer risks presented in this table for Alternatives 1 and 2 are based on TAC concentrations that are specific to the non-airfield (i.e., roadways, parking, stationary, and off-airport) characteristics of each of these alternatives; however, cancer risks associated with Alternatives 8 and 9 reflect the range of risks for Alternatives 1, 2, 5, 6, and 7.

7 Although the improvements associated with Alternatives 8 and 9 are not identical (Alternative 8 has a busway whereas Alternative 9 has an Automated People Mover), cancer risks are predominantly driven by exposure to DPM and emissions of DPM from GSE would be the same for Alternatives 8 and 9. Therefore, only one range is shown for both alternatives.

8 Adult residents and adult workers were evaluated assuming only an 11-year exposure during the time of construction.

Source: CDM Smith, 2012.

Similarly, the non-cancer health hazards for all receptors under the SPAS alternatives were below the significance threshold of 1. Ranking the alternatives from highest to lowest impact based on the residential receptors, the order is: Alternative 5 (highest impact); Alternative 1; Alternative 3; Alternatives 6 and 7, Alternative 2, and Alternative 4.

Although the incremental cancer risks and hazards are higher for the 11-year modified construction emissions analysis, the risks and hazards are still below the significance thresholds and conclusions regarding potential impacts of the SPAS alternatives would remain the same.

Table 11

Incremental Chronic Non-Cancer Health Hazards for Maximally Exposed Individuals for the SPAS Alternatives with Adjustment of Construction Emissions for 11-year Construction Period

	Incremental Non-Cancer Health Hazards[1,2,3]							
Receptor Type	**Alt. 1**	**Alt. 2**	**Alt. 3**	**Alt. 4**	**Alt. 5[4]**	**Alt. 6[4]**	**Alt. 7[4]**	**Alts. 8 and 9 [5,6]**
Child Resident	0.47	0.32	0.42	0.28	0.50	0.42	0.40	0.32 to 0.50
School Child	0.09	0.06	0.08	0.05	0.09	0.08	0.08	0.06 to 0.09
Adult Resident[7]	0.47	0.32	0.42	0.28	0.50	0.42	0.40	0.32 to 0.50
Adult Worker[7]	0.13	0.11	0.21	0.16	0.13	0.12	0.13	0.11 to 0.13

1 Values provided are calculated using RAGS Part F methodology.

2 Incremental values indicate change as compared to baseline conditions. Estimates are rounded to two significant figures.

3 Maximum values indicated are not all located at the same grid location.

4 Alternatives 5 through 7 focus primarily on airfield improvements and related terminal and roadway improvements. Those improvements are compatible with the ground access improvements proposed under Alternatives 1, 2, 8, and 9. Chronic non-cancer health hazards presented in this table for Alternatives 1, 2, 5, 6, and 7 are based on TAC concentrations that are specific to the airfield and terminal characteristics of each of these alternatives; however, TAC concentrations associated with non-airfield sources (i.e., roadways, parking, stationary, and off-airport) included in the analysis of Alternatives 5 through 7 reflect the range predicted for Alternatives 1, 2, 8, and 9. Ranges are shown where combined TAC concentrations associated with airfield and related terminal and roadway improvements, and improvements associated with non-airfield sources, results in a range of chronic non-cancer health hazards. When only a single value is shown, it means that small differences among alternatives resulted in no changes in hazard estimates when rounded to two significant figures. The emissions presented relative to both airfield and non-airfield construction and operations for Alternatives 3 and 4 are specific to the characteristics of each of these alternatives, which still provide a basis for comparison with the other alternatives.

5 Alternatives 8 and 9 focus primarily on ground access improvements; however, those improvements are compatible with airfield improvements, and related terminal and roadway improvements, proposed under Alternatives 1, 2, 5, 6, and 7. The chronic non-cancer health hazards presented in this table for Alternatives 1 and 2 are based on TAC concentrations that are specific to the non-airfield (i.e., roadways, parking, stationary, and off-airport) characteristics of each of these alternatives; however, chronic non-cancer health hazards associated with Alternatives 8 and 9 reflect the range of hazards for Alternatives 1, 2, 5, 6, and 7.

6 Although the improvements associated with Alternatives 8 and 9 are not identical (Alternative 8 has a busway whereas Alternative 9 has an Automated People Mover), chronic non-cancer health hazards are predominantly driven by exposure to acrolein. Acrolein is only emitted from aircraft emissions, not from the ground access improvements represented in Alternatives 8 and 9. Therefore, the ranges represent chronic non-cancer health hazards associated with the airfield and terminal improvements associated with Alternatives 1, 2, 5, 6, and 7. As these ranges would apply equally to Alternatives 8 and 9, only one range is shown for both Alternatives 8 and 9.

7 Adult residents and adult workers were evaluated assuming only an 11-year exposure during the time of construction.

Source: CDM Smith, 2012.

5.4 Uncertainties Associated with Toxicity Assessment

5.4.1 Uncertainties Associated with Toxicity Criteria

A potentially large source of uncertainty is inherent in the derivation of the CalEPA toxicity criteria (cancer slope factors and RELs). In many cases, data used to develop toxicity criteria must be extrapolated from animals to sensitive humans. For example, the application of uncertainty factors to estimated no-observable-adverse-effects-levels (NOAELs) or lowest-observed-adverse-effects-levels (LOAELs) are typically used to develop RELs. While designed to be protective, in many cases toxicity criteria are likely

to overestimate the magnitude of differences that may exist between humans and animals, and among humans.

In some cases, however, toxicity criteria may be based on studies that did not detect the most sensitive adverse effects. For example, many past studies have not measured possible toxic effects on the immune system. Moreover, some chemicals may cause subtle effects not easily recognized in animal studies. Overall, toxicity criteria are likely to protective for most or all exposed populations. These criteria are constantly being reconsidered in light of new research and are subject to occasional change during this process. The nature and direction of these changes cannot be predicted and currently available criteria are the best source of toxicity information for use in health risk assessments.

5.4.2 Uncertainties Associated with Elimination of Chemicals

As noted in Section 5.1, simplification of the emission estimates and dispersion modeling resulted in elimination of chemicals from the analyses. The following chemicals were evaluated for chronic non-cancer health hazards but not acute non-cancer health hazards: 1,3-butadiene, ethylbenzene, naphthalene, n-hexane, propylene, hexavalent chromium, lead, manganese, and DPM, and the following chemicals were evaluated for acute non-cancer health hazards but not chronic non-cancer health hazards: arsenic, chlorine, mercury, nickel, vanadium, and sulfates.

1,3-Butadiene, ethylbenzene, naphthalene, n-hexane, propylene, hexavalent chromium, lead, manganese, and DPM do not have acute RELs that have been developed by OEHHA. However, 1,3-butadiene and ethylbenzene have acute toxicity screening levels from the Agency for Toxic Substances and Disease Registry (ATSDR) in the form of published acute minimal risk levels (MRLs) for hazardous substances. MRLs were established to provide a screening tool for public health professionals to use to identify if potential human health hazards exist from contamination at hazardous waste sites. MRLs are often based on animal studies because relevant human studies are lacking. ATSDR assumes that humans are more sensitive than animals to the effects of hazardous substances and that certain persons may be particularly sensitive. Thus, ATSDR recommendations for MRLs may be as much as a hundred-fold below levels shown to be nontoxic in laboratory animals. This approach is conservative (i.e., protective) for public health. Acute inhalation MRLs for 1,3-butadiene and ethylbenzene are 0.1 parts per million (ppm) and 5 ppm, respectively. These MRLs are relatively high (compared to acrolein which has an acute MRL of 0.003 ppm), reflecting the low acute toxicity of these chemicals. It's unlikely that acute non-cancer health hazards associated with these organic chemicals would rival acrolein, the risk driver for potential acute non-cancer health hazards. Lack of inclusion of these chemicals in the quantitative risk assessment is not expected to change the conclusions of the acute non-cancer health hazard evaluation.

OEHHA has established an 8-hour REL of 0.17 ug/m^3 for manganese. However, the target organ for this compound is the nervous system, therefore, its effects would not be combined with the other TACs that have the respiratory system as their target organs. The 8-hour REL of 0.17 ug/m^3 for manganese is lower than the 8-hour REL of 0.7 ug/m^3 for acrolein implying that manganese has a higher toxicity than acrolein. Using the CARB Particulate Speciation Profile No. 425, 1-hour incremental manganese concentrations in DPM for the SPAS alternatives was estimated and peak concentrations for each alternative are summarized in **Table 12**. These 1-hour concentrations are reasonable estimates of 8-hour concentrations. As shown in **Table 12**, peak incremental manganese concentrations on the fence-line for the SPAS alternatives range from 0.020 ug/m^3 to 0.027 ug/m^3. These values are all an order of magnitude below the 8-hour REL and indicate that no impact to receptors is expected from exposure to manganese. In addition, since the acute non-cancer health hazard analysis already concludes that hazard indices would be greater than the threshold of one, lack of inclusion of manganese in the acute non-cancer health hazard analysis is not expected to change the conclusions of the acute non-cancer health hazard evaluation.

Table 12

Peak Incremental Manganese Concentrations for the SPAS Alternatives

	Incremental Manganese Concentrations (ug/m^3)[1,2,3]							
Receptor Type	**Alt. 1**	**Alt. 2**	**Alt. 3**	**Alt. 4**	**Alt. 5[4]**	**Alt. 6[4]**	**Alt. 7[4]**	**Alts. 8 and 9[5]**
Receptor on Fence-line	0.020	0.027	0.021	0.020	0.020	0.020	0.020	0.020 to 0.027
On-Site Worker	-0.029	-0.030	-0.021	-0.028	-0.029	-0.029	-0.029	-0.030 to -0.029

Notes:

Maximum values indicated are not all located at the same grid location.

1 Incremental values indicate changes in manganese concentration as compared to baseline conditions. Estimates are rounded to two significant figures.

2 Negative values indicate a beneficial impact.

3 ug/m^3 = micrograms per cubic meter

4 Alternatives 5 through 7 focus primarily on airfield improvements and related terminal and roadway improvements. Those improvements are compatible with the ground access improvements proposed under Alternatives 1, 2, 8, and 9. The incremental manganese concentrations presented in this table for Alternatives 1, 2, 5, 6, and 7 are specific to the airfield and terminal characteristics of each of these alternatives. The emissions presented relative to both airfield and non-airfield construction and operations for Alternatives 3 and 4 are specific to the characteristics of each of these alternatives, which still provide a basis for comparison with the other alternatives.

5 Alternatives 8 and 9 focus primarily on ground access improvements; however, those improvements are compatible with airfield improvements, and related terminal and roadway improvements, proposed under Alternatives 1, 2, 5, 6, and 7. The incremental manganese concentrations presented in this table for Alternatives 1 and 2 are specific to the non-airfield (i.e., roadways, parking, stationary, and off-airport) characteristics of each of these alternatives; however, manganese concentrations associated with Alternatives 8 and 9 reflect the range for Alternatives 1, 2, 5, 6, and 7.

Source: CDM Smith, 2012.

As discussed below, although DPM does not have an acute REL, several components of DPM were evaluated in the acute non-cancer health hazard analysis.

Naphthalene, n-hexane, propylene, hexavalent chromium, and lead do not have acute toxicity values. Therefore, their potential impact on the conclusions of the acute risk evaluation is unknown.

Arsenic, chlorine, mercury, nickel, vanadium, and sulfates were evaluated for acute non-cancer health hazards but not chronic non-cancer health hazards for diesel emissions because these constituents are included as components of DPM. (These species were included in the analysis of emissions from jet engines, however). As noted in Section 5.1, Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments[40] indicates that toxicity values for DPM were developed for whole diesel exhaust (gas and particulate matter). As such, DPM should be the only TAC considered in the calculation of cancer risks and chronic non-cancer health hazards for diesel engine emissions; speciated diesel exhaust components (e.g., PAHs, metals) should not be evaluated along with DPM. Studies used to support the DPM toxicity value also indicate that "potential cancer risk from inhalation exposure to whole diesel exhaust will outweigh the multipathway cancer risk from the speciated components." DPM does not, however, have an acute REL. Therefore, in order to account for potential acute impacts from DPM, the speciated components of DPM (arsenic, chlorine, mercury, nickel, vanadium, and sulfates) were evaluated in the acute non-cancer health hazard analysis.

40 California Environmental Protection Agency, Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments, Appendix D, August 2003.

5.5 Uncertainties in Risk Characterization

5.5.1 Uncertainties Associated with Risk Assessment Guidelines for Superfund (RAGS) Part F, Supplemental Guidance for Inhalation Risk Assessment

As noted in Section 2.2.3, results calculated using RAGS Part A methodology are still presented in this discussions of uncertainties for several reasons: 1) to maintain consistency with the LAX Master Plan EIR; 2) to enable the results of SPAS EIR to be compared directly with the previous tiered LAX EIRS; and 3) to allow for SPAS EIR risks and hazards to be combined with the calculated results of the other tiered LAX EIRs in the determination of cumulative construction impacts. Equations used for both methodologies are presented in Section 2.2.3.2. Results calculated using RAGS Part A methodology are presented in **Tables 13** and **14**. Calculations for this analysis are provided in Attachment 5.

Table 13

Peak Incremental Cancer Risks for the SPAS Alternatives using RAGS Part A Methodology

	Incremental Cancer Risks[1,2,3,4] (per million people)							
Receptor Type	**Alt. 1**	**Alt. 2**	**Alt. 3**	**Alt. 4**	**Alt. 5[5]**	**Alt. 6[5]**	**Alt. 7[5]**	**Alts. 8 and 9[6,7]**
Child Resident	-2.6	-2.8	-2.7	-2.8	-2.6	-2.7 to -2.6	-2.7 to -2.6	-2.8 to -2.6
School Child	-0.22	-0.24	-0.23	-0.24	-0.22	-0.23	-0.23 to -0.22	-0.24 to -0.22
Adult Resident	-8.6	-9.5	-9.1	-9.2	-8.5	-8.9 to -8.8	-8.9 to -8.7	-9.5 to -8.5
Adult Worker	-6.2	-6.4	1.8	-5.7	-6.2	-6.3	-6.3 to -6.2	-6.4 to -6.2

1 Values provided are calculated using RAGS Part A methodology. See Draft EIR Section 4.7.1 for results calculated using RAGS Part F methodology.

2 Incremental values indicate changes in the number of cancer cases per million people exposed as compared to baseline conditions. Estimates are rounded to two significant figures.

3 Negative values indicate a beneficial impact.

4 Maximum values indicated are not all located at the same grid location.

5 Alternatives 5 through 7 focus primarily on airfield improvements and related terminal and roadway improvements. Those improvements are compatible with the ground access improvements proposed under Alternatives 1, 2, 8, and 9. Cancer risks presented in this table for Alternatives 1, 2, 5, 6, and 7 are based on TAC concentrations that are specific to the airfield and terminal characteristics of each of these alternatives; however, TAC concentrations associated with non-airfield sources (i.e., roadways, parking, stationary, and off-airport) included in the analysis of Alternatives 5 through 7 reflect the range predicted for Alternatives 1, 2, 8, and 9. Ranges are shown where combined TAC concentrations associated with airfield and related terminal and roadway improvements, and improvements associated with non-airfield sources, results in a range of cancer risk estimates. When only a single value is shown, it means that small differences among alternatives resulted in no changes in risk estimates when rounded to two significant figures. The emissions presented relative to both airfield and non-airfield construction and operations for Alternatives 3 and 4 are specific to the characteristics of each of these alternatives, which still provide a basis for comparison with the other alternatives.

6 Alternatives 8 and 9 focus primarily on ground access improvements; however, those improvements are compatible with airfield improvements, and related terminal and roadway improvements, proposed under Alternatives 1, 2, 5, 6, and 7. The cancer risks presented in this table for Alternatives 1 and 2 are based on TAC concentrations that are specific to the non-airfield (i.e., roadways, parking, stationary, and off-airport) characteristics of each of these alternatives; however, cancer risks associated with Alternatives 8 and 9 reflect the range of risks for Alternatives 1, 2, 5, 6, and 7.

7 Although the improvements associated with Alternatives 8 and 9 are not identical (Alternative 8 has a busway whereas Alternative 9 has an Automated People Mover), cancer risks are predominantly driven by exposure to DPM and emissions of DPM from GSE would be the same for Alternatives 8 and 9. Therefore, only one range is shown for both alternatives.

Source: CDM Smith, 2012.

Table 14

Incremental Chronic Non-Cancer Health Hazards for Maximally Exposed Individuals for the SPAS Alternatives using RAGS Part A Methodology

	Incremental Chronic Non-Cancer Health Hazards[1,2,3]							
Receptor Type	**Alt. 1**	**Alt. 2**	**Alt. 3**	**Alt. 4**	**Alt. 5[4]**	**Alt. 6[4]**	**Alt. 7[4]**	**Alts. 8 and 9 [5,6]**
Child Resident	1.6	1.1	1.5	1.0	1.7	1.5	1.4	1.1 to 1.7
School Child	0.14	0.10	0.12	0.08	0.15	0.12	0.12	0.10 to 0.15
Adult Resident	0.47	0.32	0.41	0.27	0.49	0.41	0.40	0.32 to 0.49
Adult Worker	0.16	0.14	0.25	0.20	0.16	0.15	0.16	0.14 to 0.16

1 Values provided are calculated using RAGS Part A methodology. See Draft EIR Section 4.7.1 for results calculated using RAGS Part F methodology.

2 Incremental values indicate change as compared to baseline conditions. Estimates are rounded to two significant figures.

3 Maximum values indicated are not all located at the same grid location.

4 Alternatives 5 through 7 focus primarily on airfield improvements and related terminal and roadway improvements. Those improvements are compatible with the ground access improvements proposed under Alternatives 1, 2, 8, and 9. Chronic non-cancer health hazards presented in this table for Alternatives 1, 2, 5, 6, and 7 are based on TAC concentrations that are specific to the airfield and terminal characteristics of each of these alternatives; however, TAC concentrations associated with non-airfield sources (i.e., roadways, parking, stationary, and off-airport) included in the analysis of Alternatives 5 through 7 reflect the range predicted for Alternatives 1, 2, 8, and 9. Ranges are shown where combined TAC concentrations associated with airfield and related terminal and roadway improvements, and improvements associated with non-airfield sources, results in a range of chronic non-cancer health hazards. When only a single value is shown, it means that small differences among alternatives resulted in no changes in hazard estimates when rounded to two significant figures. The emissions presented relative to both airfield and non-airfield construction and operations for Alternatives 3 and 4 are specific to the characteristics of each of these alternatives, which still provide a basis for comparison with the other alternatives.

5 Alternatives 8 and 9 focus primarily on ground access improvements; however, those improvements are compatible with airfield improvements, and related terminal and roadway improvements, proposed under Alternatives 1, 2, 5, 6, and 7. The chronic non-cancer health hazards presented in this table for Alternatives 1 and 2 are based on TAC concentrations that are specific to the non-airfield (i.e., roadways, parking, stationary, and off-airport) characteristics of each of these alternatives; however, chronic non-cancer health hazards associated with Alternatives 8 and 9 reflect the range of hazards for Alternatives 1, 2, 5, 6, and 7.

6 Although the improvements associated with Alternatives 8 and 9 are not identical (Alternative 8 has a busway whereas Alternative 9 has an Automated People Mover), chronic non-cancer health hazards are predominantly driven by exposure to acrolein. Acrolein is only emitted from aircraft emissions, not from the ground access improvements represented in Alternatives 8 and 9. Therefore, the ranges represent chronic non-cancer health hazards associated with the airfield and terminal improvements associated with Alternatives 1, 2, 5, 6, and 7. As these ranges would apply equally to Alternatives 8 and 9, only one range is shown for both Alternatives 8 and 9.

Source: CDM Smith, 2012.

Calculations for incremental cancer risks using the RAGS Part A calculations suggest slightly higher absolute risks than the results calculated using RAGS Part F methodology in **Table 6**. However, since all of these estimated risks, except for the adult worker under Alternative 3, are negative, the difference does not change the conclusion that the incremental cancer risks for SPAS alternatives are predicted to be below the threshold of significance. Although the cancer risk for the adult worker under Alternative 3 is positive (2 in a million), it is still below the threshold of 10 in a million.

Calculations for incremental chronic non-cancer hazards using the RAGS Part A calculations also show slightly higher incremental hazards than the results calculated using RAGS Part F methodology in **Table 7**. However, for the school child, adult resident, and adult worker, all of these estimated hazards, are predicted to be below 1, the threshold of significance. The incremental chronic non-cancer hazards using the RAGS Part A calculations for the child resident range from 1.0 to 1.7, above the significance threshold of 1. In comparison, the RAGS Part F results for the child resident range from 0.28 to 0.5, all below the significance threshold of one. As a result, the RAGS Part A calculation results would change the significance determination based on non-cancer health hazards. As noted in Section 2.2.3, RAGS

Part A methodology is considered obsolete, tends to be overly conservative, and overestimates risk. RAGS Part F methodology is currently used exclusively by USEPA for calculating risks and hazards for the inhalation pathway and has been universally applied within the United States, including California.

5.5.2 Uncertainties Associated with Elimination of Potentially Complete Exposure Pathways

The SPAS alternatives HHRA evaluates the potential complete exposure pathway of direct inhalation of TAC released during construction and operations of the SPAS alternatives. However, other exposure pathways, such as exposure to TAC deposited onto soils, could also be important. For example, children might ingest TAC that deposited onto soil through hand-to-mouth activity during outdoor play, or residents who have gardens could ingest TAC taken up from soil into plants. For the SPAS alternatives HHRA, based on the multi-pathway screening analysis in the LAX Master Plan Final EIR and other airport HHRAs, inhalation of TAC was identified as the primary exposure pathway, and exposures and risks from inhalation of TAC were quantified.

Other potential exposure pathways were analyzed in a two-step screening process described in Technical Report 14a Attachment B, Section 2.5.3 of the LAX Master Plan Final EIR. In the first step, air dispersion modeling was used to determine potential TAC concentrations in air on or near LAX, and these concentrations were used to estimate deposition of TAC onto soils over time. In the second screening step, concentrations of TAC estimated in soil were compared to the range of background concentrations of these chemicals to determine the relative impacts of deposition from air. This analysis indicated that impacts to soils from deposition of TAC from airport construction and operations would be negligible and that the estimated contribution from LAX emissions would result in no measurable difference in expected background concentrations of metals. Therefore, secondary pathways involving TAC in soil were not further evaluated.

5.5 Uncertainties in Background Estimates (MATES-III)

Risks from MATES-III were calculated based on monitoring data collected from April 2005 through March 2006. Modeling during the MATES-III study was used only to characterize existing risk within the basin -- not to project what future concentrations and risks would be. As such, comparisons between project-related estimated risks with the MATES-III results must be interpreted in recognition of the different time periods being represented. One may surmise that basin-wide cancer risks would likely increase in time with the inevitable increase in mobile sources along with population growth. On the other hand, currently adopted emission standards for mobile sources will tend to push future TAC emissions downward. It is not known at this time to what extent these two conditions would offset one another.

However, according to the CARB data, carcinogenic risks due to many TAC have decreased 44 to 63 percent since 1990. If continuing progress is made toward reductions in TAC emissions in the South Coast Air Basin, MATES-III could over predict potential background risks for year 2007 and beyond. If TAC emissions continue to decrease, however, the traffic component for air dispersion modeling for LAX emissions is likely to be too large also. Progress toward decreasing TAC emissions in the South Coast Air Basin must focus on mobile sources, which are the major contributors. Reductions in mobile source emissions would affect emissions from both airport and non-airport related traffic. Overall, the effect of general reductions in mobile source emissions could increase the relative contribution of LAX to basin-wide risks, but any such increase may be tempered by effects of general reductions on LAX-related traffic.

Unfortunately, trends are not available for DPM because this material was not previously monitored. DPM has been found to contribute about 84 percent of the carcinogenic risks in the South Coast Air Basin. MATES-III provides no information to help determine whether estimated risks would increase or decrease in the future. Again, and importantly, any general decrease in diesel emissions would also reduce diesel emissions in LAX-related traffic. Since diesel emissions were also a major contributor to LAX-related cancer risks, changing background as a result of better control of diesel emissions may not greatly affect the LAX contribution to basin-wide cancer risks.

5.6 Uncertainties Associated with Evaluation of Cumulative Acute Non-Cancer Health Hazards

The semi-quantitative evaluation of acute non-cancer health hazards performed for the HHRA must be interpreted with great caution. The process included taking a range of possible annual average concentrations from USEPA estimates, subject to high uncertainty, for census tracts in the study area, converting these values to 1-hour maximum concentrations, and comparing these estimates to 1-hour maxima from modeling of LAX emissions. Each of these steps compounds uncertainties and resulting comparisons can only be viewed as a general assessment of relative impacts. Methods used could substantially overestimate the contribution of LAX construction and operations. Estimated cumulative hazards cannot be used as estimates of actual cumulative acute non-cancer health hazards for any locations around LAX.

Recent studies suggest that predicted concentrations of acrolein in air associated with LAX construction and operations may be over-estimated. Acrolein is unlikely to be transported over long distances because of its high reactivity and estimated short half-life in air. A study at Chicago O'Hare Airport used empirical measurements of acrolein in ambient air to determine that acrolein was not a significant TAC associated with airport operations. The Illinois EPA measured airborne levels of various air contaminants in the vicinity of the O'Hare Airport as well as at other locations in the Chicago area over a seven-month period in 2000. An objective of the air toxics monitoring program was to determine if emissions associated with O'Hare Airport had a measurable impact on air quality in areas adjacent to the airport. Acrolein was not reported at measurable levels in air at locations near the airport during the air toxic monitoring program.

5.7 Interactions among Acrolein and Criteria Pollutants

TAC that act in similar ways to produce toxicity may cause additive, or even greater than additive, impacts to human health. Acrolein and criteria pollutants, such as oxides of nitrogen and ozone, all act as irritants to the upper respiratory system. Thus, interactions among these chemicals are possible. Whether such interactions actually occur, and are important for emissions from LAX construction and operations, cannot be ascertained with available information. Many uncertainties exist, including:

- Reliability of acrolein concentration estimates (see Section 5.6).
- Lack of information on specific mechanisms of toxicity for the chemicals in question, which will affect the potential for and degree of any interactions.
- Lack of information on thresholds at which interactions may occur.

Without extensive additional research, the potential for impacts related to interactions among acrolein and criteria pollutants cannot be further assessed.

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Attachment 1
Revised Toxicity Profiles

1,3-BUTADIENE[1]

Introduction

1,3-Butadiene is a colorless gas with a gasoline-like odor at room temperature. It is usually produced as a byproduct of ethylene production. 1,3-Butadiene is used in the production of rubber and plastics. 1,3-Butadiene is used primarily as a monomer to manufacture many different polymer products including styrene-butadiene rubber copolymers, polybutadiene, hexamethylene diamine, chloroprene, and nitrile rubbers. Butadiene is also used as a chemical intermediate in the manufacture of a number of commercial chemical products as well as fungicides like captan and captafol. Additionally, butadiene is found in automobile exhaust, gasoline vapor, fossil fuel incineration products, and cigarette smoke. Potential for Human Exposure

Releases to the Environment

The primary route of potential exposure to 1,3-butadiene for the general population is inhalation.1,3-Butadiene may be released to the environment as emissions during production, use, storage, transport, or disposal and the majority of 1,3-butadiene is in air. According to the Toxic Release Inventory (TRI), total industrial environmental releases of 1,3-butadiene are about 1.8 million pounds in 2007, of which over 90% was released to air.[2] 1,3-Butadiene is also released to air in motor vehicle exhaust, volatilization from gasoline, cigarette smoke, brush fire smoke, and thermal breakdown or burning of plastics.

Environmental Fate

1,3-Butadiene is highly volatile; therefore, it is expected to partition primarily to air. In air, 1,3-butadiene is removed rapidly (half-life of about 6 hours) by reaction with photochemically produced hydroxyl radicals. 1,3-Butadiene is also removed by the gas-phase reaction with ozone and by reaction at night with nitrate radicals in urban areas. In soil and water, 1,3-butadiene is primarily removed via rapid volatilization to air. Microbial degradation may also occur. 1,3-Butadiene is predicted to have low soil/sediment adsorption.

Environmental Levels

Air: Although atmospheric 1,3-butadiene undergoes rapid destruction, 1,3-butadiene is almost always present in urban and suburban air at low concentrations due to constant releases from vehicle exhaust. Median concentrations of 1,3-butadiene are 0.32 parts per billion (ppb) in suburban areas, 0.29 ppb in urban areas, and 0.10 ppb in rural areas. **Water:** Data on the occurrence of 1,3-butadiene in water are limited, however butadiene is not a common contaminant of water supplies. 1,3-Butadiene was detected in 1 of 2,045 water samples taken in 1975-1976 from surface waters near known industrialized areas across the United States. The single positive sample was obtained in the Carquinez Strait, Posta Corta, California, at a concentration of about 2 ppb.

Soil and Sediment: No data are available describing concentrations of 1,3-butadiene in soil or sediment.

Other Environmental Media: 1,3-Butadiene is used to manufacture synthetic rubber and plastics that are frequently used for food packaging. However, migration of the 1,3-butadiene monomer from packaging food is unlikely to occur. 1,3-Butadiene occurs in cigarette smoke; concentrations are not available. 1,3-Butadiene occurs in gasoline vapor at a concentration of 4.4 ppb.

Toxicokinetics

In human volunteers inhaling 2 ppm 1,3-butadiene for 20 minutes, the absorbed fraction varied from 18 to 74%.[3] Animal studies indicate that pulmonary absorption following inhalation exposure is rapid. No

[1] Information pertaining to 1,3-Butadiene is derived from ATSDR, Toxicological Profile of 1,3-Butadiene, July 1992, as well as other sources, as noted.

[2] U.S. Environmental Protection Agency. Toxics Release Inventory., 2009

[3] Lin, Y.S., T.J. Smith, K.T. Kelsey. Human physiologic factors in respiratory uptake of 1,3butadiene. Environ Health Perspect. 2001.

studies were located regarding absorption in humans or animals after oral or dermal exposure to 1,3-butadiene.

In human volunteers inhaling 2 ppm 1,3-butadiene for 20 minutes, blood levels approached equilibrium by 5 minutes.[4] Partition coefficients in humans were highest in fat (18.4) and were similar in well- and poorly-perfused tissues (0.69 and 0.72, respectively).[5] The distribution of 1,3-butadiene in several tissues in rats was measured following a 1-hour inhalation exposure to 129,000 parts per million (ppm). There was a high concentration of 1,3-butadiene in perinephric fat with low levels in the brain, liver, and kidney. These levels decreased with time; at 90 minutes following inhalation exposure, only trace levels of 1,3-butadiene could be found. No studies could be found regarding distribution following exposure via oral or dermal routes in humans or animals.

Butadiene is metabolized extensively in humans as well as other animals. 1,3-Butadiene appears to cause tumors in humans and rodents through its metabolism to DNA-reactive epoxide intermediates, which cause genetic alterations in proto-oncogenes or tumor suppressor genes. One of the major metabolite of 1,3-butadiene is 1,2-epoxybutene-3. The amount of 1,2-epoxybutene-3 formed by metabolism in human liver was comparatively lower than the amount formed from livers of rats and mice. These species differences in the metabolism of 1,3-butadiene to the epoxide suggest differences between humans and rodents in the expression of 1,3-butadiene toxicity.

1,2-Epoxybutene-3 is transformed into 3-butene-1, 2-diol by microsomal epoxide hydrolase. In the metabolism of 1,2-epoxybutene-3 in microsomes, two stereoisomers of DL-diepoxybutane, and two stereoisomers of 3,4-epoxy-1,2-butanediol were detected as further metabolites.

1,2-epoxybutene-3 can be conjugated to glutathione to form a monohydroxybutenylmercaptic acid. This mercaptic acid is excreted in the urine and can be used as a biomarker of 1,3-butadiene exposures for humans in both environmental and occupational settings.[6, 7] Animal studies indicate that metabolites of 1,3-butadiene are exhaled rapidly, with half times of between 2 and 10 hours.

About 2 percent of the total inhaled amount of 1,3-butadiene was excreted as its metabolites in Cynomolgus monkeys. Carbon dioxide was the major exhalatory product at low exposure levels, while epoxy-metabolites were exhaled at higher levels. Urinary excretion of total metabolites was not influenced by exposure levels. In *Macaca fascicularis* monkeys, about 39 percent of metabolites were examined in the urine, 0.8 percent in feces, and 56 percent was exhaled as carbon dioxide during the first 70 hours of post exposure. No studies were located regarding excretion in humans or animals after oral or dermal exposure to 1,3-butadiene.

Qualitative Description of Health Effects

Carcinogenicity

EPA has classified 1,3-butadiene as a Group 1 carcinogen (carcinogenic to humans).,. The National Toxicology Program has listed 1,3-butadiene as a known human carcinogen based on sufficient evidence of carcinogenicity from studies in humans, including epidemiological and mechanistic studies. The association of cancer in SBR workers with 1,3-butadiene exposure is supported by studies in 1,3-butadiene monomer production workers.[8]

Inhalation exposure to 1,3-butadiene caused benign and malignant tumors at several different tissues sites in rodents, including the hematopoietic system, heart, lung, forestomach, Harderian gland, preputial

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gland, liver, mammary gland, ovary, and kidney in mice, and the pancreas, testis, thyroid gland, mammary gland, uterus, and Zymbal gland in rats.

Genotoxicity/Mutagenicity

Although cytogenetic monitoring of 1,3-butadiene rubber workers for chromosomal aberrations revealed no or slight differences between exposed and control groups,[9] [10] 1,3-butadiene has been shown to be genotoxic in mice. Species differences exist in the metabolism of 1,3-butadiene, and data suggest that humans may metabolize this compound at different metabolic rates than do rodents. If the genotoxic and clastogenic response of 1,3-butadiene requires activation to an active metabolite that is formed more slowly or deactivated more rapidly in humans than in rats and mice, the genotoxicity observed in animals may only be observed after much higher exposures in humans. The data in humans are too limited, however, to rule out the possibility of a genotoxic potential in humans exposed to 1,3-butadiene.[11]

Acute/Chronic Effects

Narcosis and death from respiratory paralysis may occur in humans and animals after inhalation exposure to very high concentrations of 1,3-butadiene. 1,3-Butadiene concentrations resulting in death in humans from acute exposure were not reported; no deaths were seen in B6C3F1 mice acutely exposed to ≤8,000 ppm 1,3-butadiene 6 hours/day, 5 days/week, for 2 weeks. During chronic exposure to 625 and 1,250 ppm of 1,3-butadiene for 61 weeks, significantly increased mortality, primarily due to cancer, was found in B6C3F1 mice.[12]

An early occupational study reported complaints of irritation of the eyes, nasal passages, throat, and lungs in rubber manufacturing workers following acute exposures to unknown levels of 1,3-butadiene. Additional symptoms included coughing, fatigue, and drowsiness. However, all symptoms abated upon removal from the exposure. Epidemiological studies suggest a possible risk of harmful effects associated with exposure to 1,3-butadiene as evidenced by a higher incidence of cardiovascular and hematopoietic diseases, respiratory diseases, and cancer among exposed workers; however, exposures were not to 1,3-butadiene exclusively. In animals, effects include increased mortality, anemia, respiratory lesions, liver necrosis, nephrosis, and cancer.

Teratogenicity/ Reproductive Effects

Fetotoxic and reproductive effects have been observed in mice after exposure to 1,3-butadiene. No studies were located regarding developmental or teratogenic effects were observed in humans.

Quantitative Description of Health Effects

EPA has classified 1,3-butadiene as a Group 1 carcinogen (carcinogenic to humans). . EPA provided an inhalation unit risk of 3×10^{-5} µg/m^3 in its Integrated Risk Information System (IRIS) database (EPA 2009) to 1,3-butadiene.[13]The inhalation slope factor is 0.98 (milligrams per kilogram per day [mg/kg-day])$^{-1}$. [14] CalEPA has assigned an inhalation and oral cancer potency factor of 0.6×10^{0} (mg/kg-day)$^{-1}$.[15] Epidemiological studies in humans indicate a possible increase in carcinogenic risk from occupational exposure to 1,3-butadiene.[16, 17, 18, 19,20, 21] This is supported by the information about mutagenic activity of

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[12] National Toxicology Program, Toxicology and Cardcinogenesis Studies of 1,3-Butadiene (CAS 106-99-0) in B6C3F1 Mice (Inhalation Studies), 1984

[13] U.S. Environmental Protection Agency, Integrated Risk Information Database (IRIS), 1,3-Butadiene, IRSN 136, May 11, 2009.

[14] U.S. Environmental Protection Agency, Integrated Risk Information Database (IRIS), 1,3-Butadiene, IRSN 136, February 2000.

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1,3-butadiene metabolites and by well-conducted chronic inhalation studies that provide information on carcinogenic effects of 1,3-butadiene in mice and rats.[22, 23, 24] IARC and EPA concluded that there is sufficient evidence for the carcinogenicity of 1,3-butadiene in animals.[25 26 27]

Animal carcinogenicity data are sufficient to determine the carcinogenic potential of 1,3-butadiene. Two lifetime inhalation studies of 1,3-butadiene in rodents were initiated. B6C3F1 mice (50/sex/group) were exposed to 625 or 1,250 ppm for 6 hours per day, 5 days per week. Exposure began at 8 to 9 weeks of age, and all mice were killed after weeks 60 to 61 because of excessive deaths among treated mice. Increases were observed in the number of mice with primary tumors and in the number of mice with multiple primary tumors. Tumors occurring through the body included hemangiosarcomas of the heart, lymphomas, and alveolar/bronchiolar adenomas/ carcinomas.[28]

Charles River CD rats (110/sex/group) were exposed to 1,000 or 8,000 ppm 1,3-butadiene for 6 hours per day, 5 days per week for 111 weeks (males) or 105 weeks (females). There was a treatment-related increase in mortality, some of which was attributed to nephropathies in males. Significant increases occurred in incidence in both common and uncommon tumors including mammary gland tumors, thyroid follicular adenomas and carcinomas, and Leydig cell adenomas and carcinomas.[29] Because of problems with reporting of this study and because pharmacokinetic analysis indicated that the effective doses were the same for both treatment groups, this study was not considered adequate for the estimation of risk.

Additionally, three studies have shown 1,3-butadiene to be mutagenic for Salmonella typhimurium upon addition of mammalian hepatic homogenates for metabolism.[30] Pharmacokinetic and various types of toxicity studies indicate that the carcinogenic effect of 1,3-butadiene can be attributed to the metabolites 3,4-epoxybutane and/or 1,2,3,4-diepoxybutane. These metabolites, which are potent alkylating agents, have been shown to be mutagenic and carcinogenic.[31, 32, 33, 34, 35, 36, 37, 38] 1,3-Butadiene is structurally related to known carcinogens.

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EPA (IRIS 2009) has established an inhalation reference concentration (RfC) for 1,3-butadiene of 0.9 ppb based on a BMCL10 of 0.88 ppm for ovarian atrophy in female B6C3F1 mice exposed to 1,3-butadiene by inhalation for 6 hours/day, 5 days/week for up to 103 weeks. EPA has not established an oral reference dose for 1,3-butadiene.[39]

EPA has not developed any drinking water criteria for 1,3-butadiene.

The American Conference of Governmental Industrial Hygienists (ACGIH 2008) has recommended an 8-hour time-weighted average threshold limit value of 2 ppm for occupational exposure to 1,3-butadiene.[40] The OSHA national regulation for occupational exposure is an 8-hour time weighted average of 1 ppm.[41]

Summary of 1,3-Butadiene Criteria

Criteria	Value	Source
IARC Carcinogenic Classification	1	IARC 2009
Inhalation Slope Factor	0.98×10^{0} $(mg/kg/day)^{-1}$	EPA 2000
Inhalation Unit Risk Factor	3.0×10^{-5} $(\mu g/m^{3})^{-1}$	EPA 2009
CalEPA Inhalation Potency Factor	0.6×10^{0} $(mg/kg/day)^{-1}$	CalEPA 1994
CalEPA Oral Potency Factor	0.6×10^{0} $(mg/kg/day)^{-1}$	CalEPA 1994
Cal	0.6×10^{0} $(mg/kg/day)^{-1}$	
Cal Permissible Exposure Limits, PEL	2.2 mg/m^{3}	CCR, Title 8, 2000[1]
Cal Permissible Exposure Limits, STEL	11 mg/m^{3}	CCR, Title 8, 2000[1]

[1] California Code of Regulations, Title 8, Section 5155, February 16, 2000.

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ACROLEIN[1]

Introduction

Acrolein is a clear or yellow liquid with a disagreeable, sharp odor. It burns easily and is easily volatilized. Acrolein is used as a chemical intermediate in the production of acrylic acid; acrolein is also used as a biocide in liquid petrochemical fuels and oil wells; as a herbicide and algaecide in irrigation waters and drainage ditches; as a slimicide in the paper industry; in the control of algae, weeds, and mollusks in recirculating process water systems; and is found in some livestock feeds and pesticides. Small amounts of acrolein can be formed and can enter the air when organic matter such as trees and other plants, including tobacco, are burned and also when fuels such as gasoline and oil are burned.

Potential for Human Exposure

Releases to the Environment

Acrolein may be released to the environment in emissions and effluents from its manufacturing and use facilities, in emissions from combustion processes such as combustion of petrochemical fuels, as a photooxidation product of various hydrocarbon pollutants found in air (including propylene and 1,3-butadiene), from direct application to water and wastewater as a slimicide and herbicide, and from land disposal of some organic waste materials.

Environmental Fate

Acrolein is an unstable compound and is removed from air primarily by reaction with photochemically generated hydroxyl radicals; it has a half-life of 15 - 20 hours in air. Reaction products include carbon monoxide, formaldehyde, and glycolaldehyde. Small amounts of acrolein may be removed from the atmosphere in precipitation. Acrolein has a half-life of 1 - 3 days in surface water and may be removed by volatilization, aerobic biodegradation, or reversible hydration to B-hydroxypropionaldehyde, which subsequently biodegrades. Acrolein in soil is subject to the same removal processes as in water. Acrolein is highly mobile in soil; however, volatilization and degradation processes reduce movement through soil.

Environmental Levels

Air: Acrolein levels in outdoor air averaged from 0.5 to 3.186 ppb. Acrolein in indoor air ranged from <0.02 to 12 ppb in residential homes.

Water: Acrolein rarely occurs in wastewater streams, surface water, and groundwater in the United States. Acrolein has not been found as a drinking water contaminant. Acrolein, in combination with acetone, was detected in rainwater collected in Los Angeles, California, at a concentration of 0.05 parts per trillion. These compounds were not detected in rainwater samples from less densely populated areas of California. In groundwater, the concentrations of acrolein ranged from 0.006 to 1.3 ppm (HazDat 2006).[2]

Soil and Sediment: Acrolein was detected in soil at 1 of 357 hazardous waste sites in the United States at a mean concentration of 6.5 ppb. Concentrations in soil from non-hazardous waste sites was not located; due to its volatile and mobile nature, it is unlikely that acrolein is present in soil in significant concentrations.

Other Environmental Media: Acrolein is a gaseous constituent of tobacco smoke; the level of acrolein in sidestream smoke is 12 times higher than in mainstream smoke. Smoke from various types of cigarettes has been found to contain acrolein at concentrations ranging from 3 to 220 micrograms (Fg) per cigarette. Trace concentrations of acrolein have been detected in alcohol.

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[1] Information pertaining to Acrolien is derived from Agency for Toxic Substances and Disease Registry. Toxicological Profile of Acrolein, December 1990, as well as other sources, as noted.

[2] HazDat, Acrolein. HazDat Database: ATSDR's Hazardous Substance Release and Health Effects Database, 2006.

Acrolein has been identified in foods and food components such as raw cocoa beans, chocolate liquor, souring salted pork, fried potatoes and onions, raw and cooked turkey, and volatiles from cooked mackerel, white bread, raw chicken breast, ripe Arctic bramble berries, heated animal fats and vegetable oils, and roasted coffee.[3] The concentration in food is <40 µg/g and, in most instances, is <1 µg/g.[4]

Toxicokinetics

Acrolein can be absorbed through the respiratory tract, and to a lesser extent through oral, and dermal routes. No studies were located which indicate the amount of absorption in humans through oral, dermal or respiratory routes. Dermal absorption appears to be influenced by the carriers present. Only limited information is available on human metabolism of acrolein. In rat liver and lung preparations free acrolein was shown to interact with proteins and nucleic acids and thiol groups such as glutathione. Acrolein also could be transformed into acrylic acid by liver cytosol or microsomes, or it can be oxidized to glycidaldehyde by lung or liver microsomes. Following oral exposure in animals, approximately 30% of the initial dose is expired as carbon dioxide and 50-60% is excreted in the urine.

Qualitative Description of Health Effects

Carcinogenicity

EPA has assigned a carcinogen classification of C, possible human carcinogen to acrolein. The basis for classification is increased incidence of adrenal cortical adenomas to female rats and carcinogenic potential of an acrolein metabolite. Acrolein is mutagenic in bacteria and is structurally related to probable or known human carcinogens. Oral and inhalation cancer slope factors are not available from EPA for acrolein.[5]

The California Environmental Protection Agency (Cal EPA) has not developed cancer potency factors for acrolein.[6]

Genotoxicity/Mutagenicity

Acrolein at concentrations of 5, 15, and 20 µM, but not lower doses, induced significant increases in sister chromatid exchanges in cultured human lymphocytes (Wilmer et al., 1986).[7] Inhalation exposure of male F344 rats to 2 ppm (4.6 mg/m3) acrolein for 6 hours did not cause detectable DNA-protein cross-linking in the nasal respiratory mucosa whereas crosslinking was observed under *in vitro* conditions.[8]

Acute/Chronic Effects

The only known effects of acrolein exposure in humans are general respiratory congestion and eye nose and throat irritation. Studies in humans have shown that eye irritation occurs with concentrations slightly lower than those that produced either nose or throat irritation.

The clinical signs common to humans and animals following acute inhalation exposure to acrolein (e.g., upper respiratory tract irritation and congestion, airway occlusion, and death by asphyxiation) point to the respiratory system as the major target of toxicity. Even if death is prevented, some respiratory effects may persist for months. No other systems or organs have yet been identified as targets for acrolein, although nonspecific effects have been identified in the liver, kidney, and brain of animals.

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3 IARC. IARC monographs on the evaluation of carcinogenic risk of chemicals to humans, 1985.

4 World Health Organization (WHO), 2002.

5 U.S. Environmental Protection Agency. Integrated Risk Information System. Acrolein. 1998.

6 Cal EPA (California Environmental Protection Agency). (April 10, 1995, April 1, 1996) California Cancer Potency Factors Update. Standards and Criteria Workgroup, Cal EPA. November. 1994

7 Wilmer JL, G.L. Erexson, A.D. Kligerman. Attenuation of cytogenetic damage by 2- mercaptoethanesulfonate in cultured human lymphocytes exposed to cyclophosphamide and its reactive metabolites, 1986.

8 Lam C., M. Casanova, H.D. Heck. Depletion of nasal mucosal glutathione by acrolein and enhancement of formaldehyde-induced DNA-protein cross-linking by simultaneous exposure to acrolein. Arch Toxicol, 1985.

Several additional animal studies (Kane et al.,[9] Buckley et al.,[10] Astry and Jakab[11] Leach et al.,[12] Feron and Kruysse,[13] Lyon et al.,[14] Bouley et al.,[15] and Lam et al.,[16]) are available describing adverse impacts associated with acute and subchronic inhalation exposure to acrolein; generally, the results confirm that acrolein is a highly selective respiratory toxicant.

No chronic studies of humans exposed to acrolein are available.

Teratogenicity/ Reproductive Effects

No studies were located regarding reproductive or development effects in humans after inhalation exposure to acrolein.

Quantitative Description of Health Effects

EPA (IRIS 2007) has derived an inhalation reference concentration (RfC) for acrolein of $2x10^{-5}$ mg/m^3 based on a LOAEL of 0.9 mg/m^3 (0.4 ppm) for nasal lesions in male and female rats exposed to acrolein 6 hours/day, 5 days/week for 13 weeks (Feron et al. 1978) and an uncertainty factor of 1,000 (3 for use of a minimal LOAEL, 3 for interspecies extrapolation using dosimetric adjustments, 10 for extrapolation from subchronic to chronic duration, and 10 to account for human variability and sensitive subpopulations). [17]

EPA (IRIS 2007) has derived an oral reference dose (RfD) for acrolein of $5x10^{-4}$ mg/kg/day based on a NOAEL of 0.05 mg/kg/day for decreased survival in male and female rats treated by oral gavage for 2 years and an uncertainty factor of 100 (10 for interspecies extrapolation and 10 for intraspecies variability). [18] [19]EPA has not developed a maximum contaminant level (MCL) or maximum contaminant level goal (MCLG) for acrolein in drinking water.[20]

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[9] Kane, L.E., C.S. Barrow and Y. Alarie. A short-term test to predict acceptable levels of exposure to airborne sensory irritants. J. Am. Hygiene Assoc. 40: 207-229. 1979.

[10] Buckley, L.A., X.Z. Jiang, R.A. James, K.T. Morgan and C.S. Barrow. Respiratory tract lesions induced by sensory irritants at the RD50 concentration. Toxicol. Appl. Pharmacol. 74: 417-429. 1984.

[11] Astry, C.L. and G.J. Jakab. The effects of acrolein exposure on pulmonary antibacterial defenses. Toxicol. Appl. Pharmacol. 67: 49-54. 1983.

[12] Leach, C.L., N.S. Hatoum, H.V. Ratajczak and J.M. Gerhart. The pathologic and immunologic effects of inhaled acrolein in rats. Toxicol. Lett. 39: 189-198. 1987.

[13] Feron, V.J. and A. Kruysse. Effects of exposure to acrolein vapor in hamsters simultaneously treated with benzo(a)pyrene or diethylnitrosamine. J. Toxicol. Environ. Health. 3: 379-394. 1977.

[14] Lyon, J.P., L.J. Jenkins, Jr., R.A. Jones, R.A. Coon and J. Siegel. Repeated and continuous exposure of laboratory animals to acrolein. Toxicol. Appl. Pharmacol. 17: 726-732. 1970.

[15] Bouley, G., A. Dubreuil, J. Godin, M. Boisset and C. Boudene. Phenomena of adaptation in rats continuously exposed to low concentrations of acrolein. Ann. Occup. Hyg. 19: 27-32. 1976.

[16] Lam, C-W. M. Casanova and H. d'A. Heck. Depletion of nasal mucosal glutathione by acrolein and enhancement of formaldehyde-induced DNA-protein cross-linking by simultaneous exposure to acrolein. Arch. Toxicol. 58:67-71. 1985.

[17] Feron, V.J., A. Kruysse, H.P. Til and H.R. Immel. Repeated exposure to acrolein vapour: Subacute studies in hamsters, rats and rabbits. Toxicology. 9: 47-57. 1978.

[18] U.S. Environmental Protection Agency. Integrated Risk Information System. Acrolein. 2007

[19] Parent, R.A., H.E. Caravello, J.E. Long. Two-year toxicity and carcinogenicity study of acrolein in rats. J Appl Toxicol, 1992.

[20] U.S. Environmental Protection Agency. Drinking Water Regulations and Health Advisories. Office of Water. EPA 822-R-96-001. February. 1996.

Summary of Acrolein Criteria

Criteria	Value	Source
EPA carcinogen classification	C - possible human carcinogen	IRIS 2000
RfC (EPA)	2×10^{-5} mg/m^3	IRIS 2003
Oral Chronic RfD (EPA)	5×10^{-4} mg/kg/day	HEAST 1997
Cal Permissible Exposure Limits, PEL	0.25 mg/m^3	CCR, Title 8, 2000*
Cal Permissible Exposure Limits, STEL	0.8 mg/m^3	CCR, Title 8, 2000*

* California Code of Regulations, Title 8, Section 5155, February 16, 2000.

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BENZENE[1]

Introduction

Benzene is a volatile, colorless, highly flammable liquid aromatic hydrocarbon that has a characteristic odor. It is a chemical intermediate in the synthesis of compounds such as styrene, synthetic rubber, and phenol, and it is used as an additive to gasoline to increase the octane.

Potential for Human Exposure

Releases to the Environment

The primary route of human exposure to benzene is inhalation of ambient air. Benzene is released to the environment by both natural and man-made sources; however, natural sources account for only a very small part of benzene releases. Major sources of atmospheric releases include vehicle exhaust emissions, evaporative gasoline fumes, emissions from vehicle refueling (i.e., service stations), and industrial emissions. In 1984, motor vehicle exhaust accounted for almost 80% of total emissions in California. Other sources of atmospheric benzene include cigarette smoke and the exhaled breath of smokers, landfill emissions, off-gassing from particle board, and emissions from structural fires. Benzene is released to soils and water from industrial discharges, landfill leachate, and gasoline leaks from underground storage tanks.

Environmental Fate

Benzene is water-soluble and highly volatile. Atmospheric benzene is removed primarily through chemical degradation. Due to its water-solubility, some benzene is removed from the atmosphere in rainwater. Benzene in soil and water is removed through volatilization, photooxidation, and biodegradation.

Environmental Levels

The primary route of exposure to benzene is inhalation of ambient air. Median level in blood is 0.06 µg/L for non-occupationally exposed individuals and 0.05 µg/L in a subset of non-smokers

Air: Benzene is ubiquitous in the atmosphere. It has been detected in outdoor air samples from rural and urban areas and in indoor air. Benzene has been measured in outdoor air at various US locations at concentrations ranging from 0.02 ppb (0.06 µg/m3) in a rural area to 112 ppb (356 µg/m3) in an urban area. Wilson et al. measured indoor and outdoor 48-hour average benzene concentrations at 161 homes throughout much of California. Indoor mean concentrations were 8.3 micrograms per meter cubed (:g/m^3) compared to 6.1 :g/m^3 outdoors.[2]

Twenty-four hour average benzene levels have been measured every twelfth day at about 20 sites throughout California since 1986 by the California Air Resources Board (CARB).[3] From 1986 to 1992, statewide annual average benzene concentrations ranged from 9 to 6 :g/m^3. For the years 1989 to 1992, the average concentration was 7 :g/m^3. In 1993 and 1994, the statewide annual average values dropped to 4 :g/m^3. The decline appears to be due to one or more of several factors: a) the 50% reduction in hydrocarbon emissions mandated for new cars; b) the Stage II vapor recovery controls recently in effect; and c) a reduction in benzene content in gasoline down to the 1% mandated in the 1990 Clean Air Act Amendments. Analysis of the California database indicates seasonal variation in benzene concentrations, with winter values about twice summer values. This may be due to changes in the blend of gasoline or to increased likelihood of inversions during the winter.

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[1] Information pertaining to benzene is derived from Agency for Toxic Substances and Disease Registry. Toxicological Profile for Benzene. Prepared by Clement International Corporation for U.S. Department of Health and Human Services, Public Health Service, ATSDR. 1995, as well as other sources, as noted.

[2] Wilson, A.L., S.D. Colome, and Y. Tian. California Residential Indoor Air Quality Study. Volume 1: Methodology and Descriptive Statistics. Irvine, CA: Integrated Environmental Services. 1993.

[3] Wallace, L. Environmental Exposure to Benzene: An Update. Environmental Health Perspectives 104(6): 1129-1136. 1996.

The South Coast Air Quality Management District (SCAQMD)[4] characterized in-vehicle benzene exposure for Los Angeles commuters in summer and winter seasons. In-vehicle benzene exposure averaged 40 :g/m^3 for commuters during rush hour, approximately 5 times greater than concentrations at a fixed outdoor site. Benzene concentration in the gasoline used was not measured; benzene content in gasoline has been reduced from 2 or 3% to 1% since this study was conducted. Smaller studies conducted more recently in North Caroline and New Jersey-New York have also shown increased benzene concentrations while driving.[5] These later studies showed lower in-vehicle exposures, but outdoor concentrations were also less, so the ratio of personal exposure to outdoor concentration continued to range from 5 to 10. Decreased concentrations could be due to the difference in location or could reflect reductions of benzene in gasoline.[6]

The primary source of benzene exposure for cigarette smokers is mainstream cigarette smoke.[7] The median level of benzene was 2.2 ppb (7 ug/m^3) in 185 homes without smokers and 3.3 ppb (10.5 ug/m^3) in 343 homes with one or more smokers. Amounts of benzene measured per cigarette ranged from 5.9 to 75 µg in mainstream smoke from 345 to 653 µg in sidestream smoke. The majority of benzene exposure for nonsmokers is from automotive exhaust or gasoline vapor emissions. This includes most outdoor air benzene exposure, indoor exposures due to intrusion of evaporative gasoline fumes from attached garages, and personal activities such as driving. About 10% of nonsmoker exposure comes from environmental tobacco smoke exposures at home or work. Smokers have an average benzene body burden of about 6 to 10 times that of nonsmokers.[8] Cigarette smoke remains an important source of human exposure to benzene. The amount of benzene measured in mainstream smoke ranged from 5.9 to 73 µg/cigarette. Larger amounts of benzene were found in sidestream smoke, ranging from 345 to 653 µg/cigarette.[9]

According to the U.S. Environmental Protection Agency's Toxics Release Inventory, environmental releases of benzene from 775 facilities was about 6.3 million pounds in 2007.[10]

Water: Benzene was detected in approximately 40% of surface water samples with levels ranging for non-detectable to 100 µg/L.

Soil and Sediment: Benzene levels ranging from <2 to 191 parts per billion (ppb) were recorded in the vicinity of five industrial facilities using or producing benzene. Data from EPA's Storage and Retrieval (STORET) database (1980 - 1982) showed that benzene had been positively detected in sediment samples taken at 9% of 355 observation stations with a median level of < 5 ppb.

Other Environmental Media:. A U.S. Food and Drug Administration (FDA) study analyzed more than 50 foods for benzene. Most foods contained less than 2 nanograms per gram (ng/g) parts per billion by weight (ppbw).[11] Exceptions included strawberry preserves (38 ng/g), taco sauces (9 and 22 ng/g), duck sauce (7 ng/g), and barbecue sauce (5 ng/g).

Toxicokinetics

Benzene is readily absorbed into the body via ingestion and inhalation. Dermal absorption is somewhat slower. It is stored in the bone marrow, liver, kidney, and body fat. The body metabolizes benzene through several pathways; some of the metabolites formed (i.e., hydroquinone, phenol, and muconic dialdehyde) can produce hematotoxic effects. Following inhalation exposure to benzene, the majority of

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4 South Coast Air Quality Management District. In-vehicle Characterization Study in the South Coast Air Basin, Los Angeles. 1989.

5 Wallace, L. Environmental Exposure to Benzene: An Update. Environmental Health Perspectives 104(6): 1129-1136. 1996.

6 Wallace, L. Environmental Exposure to Benzene: An Update. Environmental Health Perspectives 104(6): 1129-1136. 1996.

7 Wallace, L., E. Pellizzari, T. Hartwell, K. Perritt, and R. Ziegenfus. Exposures to Benzene and Other Volatile Organic Compounds from Active and Passive Smoking. Arch Environ. Health 42: 272-279. 1987.

8 South Coast Air Quality Management District. In-vehicle Characterization Study in the South Coast Air Basin, Los Angeles. 1989.

9 Brunnemann, K.D., M.R. Kagan, J.E. Cox. Determination of benzene, toluene and 1,3-butadiene in cigarette smoke by GC-MSD, 1989.

10 Toxics Chemical Release Inventory (TRI), 1992.

11 Wallace, L. Environmental Exposure to Benzene: An Update. Environmental Health Perspectives 104(6): 1129-1136. 1996.

the compound is excreted unchanged in exhaled air. Absorbed benzene is excreted primarily in the urine following metabolism; some benzene may be accumulated in the body.

Qualitative Description of Health Effects

Carcinogenicity

Benzene is listed as a known human carcinogen by the National Toxicology Program. The strongest epidemiological evidence that benzene causes cancer is from several cohort studies in various industries and geographical locations, which found that occupational exposure to benzene increased the risk of mortality from leukemia. Most cases were acute myelogenous leukemia, although some were monocytic, erythroblastic, or lymphocytic. Various hematological disorders other than leukemia have also been reported; these include pancytopenia (reduction in the number of red blood cells, white blood cells, and platelets) and aplastic anemia (cessation of bone marrow function).

A series of epidemiological studies, both cohort and case-control, showed statistically significant associations between leukemia and occupational exposure (concentration unspecified) to benzene.[12,13,14,15] These results have been replicated in a number of countries and in different industries.[16]

The carcinogenicity of benzene has been evaluated in rats and mice by various routes of exposure (inhalation, oral, dermal, subcutaneous). Oral exposure to benzene has been associated with increased incidences of zymbal gland and mammary gland carcinomas, oral cavity carcinomas, and lymphomas.[17,18,] Inhalation exposure to benzene has been associated with thymic and nonthymic lymphoma, hematopoietic neoplasms, zymbal gland carcinomas, carcinomas of the oral and nasal cavities, and other malignant tumors.[19, 20] Leukemia has been observed in studies in which benzene was administered by subcutaneous injection; however, these studies were limited by lack of controls and high incidences of leukemia in untreated controls.[21]

Mutagenicity

Benzene does not induce gene mutations in bacterial systems and has not been found to be a point mutagen in mammalian cells. However, benzene did induce cytogenetic abnormalities in mammalian cells in vitro (chromosomal aberrations and sister-chromatid exchanges). Several studies demonstrate that benzene exposure of laboratory animals in vivo leads to chromosomal aberrations in bone marrow cells. There is a clear correlation between exposure to benzene and the appearance of chromosomal aberrations in the bone marrow and in peripheral lymphocytes of individuals exposed to high levels of

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benzene (more than 100 parts per million [ppm]).[22] Examination of workers occupationally exposed to benzene shows increased incidence of lymphocytes with unstable chromosomal aberrations. Additional case studies also support the chromosomal damaging effects of benzene.

Teratogenicity/Reproductive Effects

Data suggest that occupational exposure to benzene may impair reproduction in women, however, findings are inconclusive because the studies are limited. Inhalation experiments conducted in rats, mice, guinea pigs, and rabbits suggest that benzene is not teratogenic at doses that are fetotoxic and embryolethal.[23] Studies with pregnant animals indicate that inhalation exposure to benzene may have adverse effects on the developing fetus, including low birth weight, delayed bone formation, and bone marrow damage. Animal experiments in rats, guinea pigs, and rabbits suggest that exposure to benzene vapors may damage the testicles and ovaries.

Acute/Chronic Effects

The toxic effects of benzene vapors in humans exposed occupationally and in experimental animals include central nervous system effects, hematological effects, and effects on the immune system.[24] The primary target organs for acute exposure are the hematopoetic system, nervous system, and immune system.

In humans, acute inhalation of benzene concentrations ranging from 300 to 3,000 ppm produces central nervous system effects that include dizziness, drowsiness, headache, vertigo, tremor, delirium, and coma. Acute exposure (5 to 10 minutes) to higher concentrations of benzene vapor (10,000 to 20,000 ppm) can result in death. In cases not resulting in death, individuals exhibited symptoms similar to those reported for lower exposures, such as headaches, nausea, staggering, paralysis, convulsions, and coma. Death is usually the result of respiratory or cardiac failure.[25] In laboratory animals, acute exposures to high concentrations of benzene vapors cause depression of the central nervous system.[26]

Chronic human exposure to benzene vapors can cause a continuum of changes in the circulatory blood elements and bone marrow precursors.[27] Leukopenia, thrombocytopenia, anemia, or combinations of these all occur. In early stages of such blood dyscrasias, effects appear to be reversible. Exposure for longer periods of time may lead to pancytopenia or aplastic anemia, which are irreversible.[28]Leukopenia is the most commonly observed effect of chronic benzene exposure in laboratory animals. Longer exposure periods may lead to pancytopenia and general bone marrow depression.[29]

Immune system depression by benzene is well known. Depression of serum antibodies (IgG and IgA) in workers exposed occupationally to benzene (exposure concentration unspecified) has been reported.[30] However, the workers were exposed to multiple solvents making it difficult to conclude that benzene

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25 National Academy of Science. Health Effects of Benzene: A Review Committee on Toxicology, Assembly of Life Sciences. National Research Council, Washington, DC. 1976.

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29 U.S. Environmental Protection Agency. National Primary Drinking Water Regulations; Volatile Synthetic Organic Chemicals, Final Rule. Fed. Reg. 50:46,880-46,901. November 13, 1985.

30 U.S. Environmental Protection Agency. National Primary Drinking Water Regulations; Volatile Synthetic Organic Chemicals, Final Rule. Fed. Reg. 50:46,880-46,901. November 13, 1985.

exposure alone was responsible for the adverse effects noted. Cellular immunity is also impacted by benzene exposure; workers exposed chronically to benzene vapors had reduced leukocytes and lymphocytes. It has been demonstrated that administration of benzene to mice inhibits the function of B- and T-lymphocytes tested in vitro.[31] These observations, as well as the well-known ability of benzene to depress leukocytes, may explain why benzene-exposed individuals readily succumb to infection and the terminal event in severe benzene toxicity is often overwhelming infection.[32]

Quantitative Description of Health Effects

Applying EPA's criteria for evaluating the overall weight of evidence of carcinogenicity to humans[33], benzene has been classified in Group A-Human Carcinogen.[34] Epidemiological studies indicating increased incidence of nonlymphocytic leukemia from occupational exposure, increased incidence of neoplasia in rats and mice exposed by inhalation and gavage, and supporting data form the basis for this classification.[35]

The EPA Carcinogen Assessment Group (CAG) calculated an oral cancer slope factor for benzene derived from human epidemiological studies[36,37,38] in which significantly increased incidences of leukemia were observed for workers exposed to benzene principally by inhalation.[39,40] EPA proposed a "single best judgment" estimate of 2.9 x 10^{-2} $(mg/kg\text{-}day)^{-1}$ [41] A drinking water ingestion unit risk estimate of 8.3 x 10^{-7} $(:g/L)^{-1}$ was derived by EPA based upon human occupational exposure.[42,43] The concentration in water corresponding to a 10^{-6} excess lifetime cancer risk is 1 :g/L (EPA 2000). Risk estimates based on animal gavage studies are about 5 times higher than those derived from human data. Pharmacokinetic data that could impact the risk assessment are currently being evaluated.

EPA derived an inhalation unit risk of 8.3 x 10^{-6} $(:g/m^3)^{-1}$ based on the human epidemiological studies used to calculate an oral cancer slope factor (Ott, et al. 1978; Rinsky, et al. 1981; and Wong, et al. 1983). EPA provided an inhalation cancer slope factor of 2.9 x 10^{-2} $(mg/kg\text{-}day)^{-1}$ in its Integrated Risk Information System (IRIS) database (EPA 2000).

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31 International Agency for Research on Cancer. IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans. Volume 27: Some Aromatic Amines, Anthraquinones and Nitroso Compounds, and Inorganic Fluorides Used in Drinking-Water and Dental Preparations. World Health Organization, Lyon, France. 1982.

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37 Rinsky, R.A., A.B Smith, R. Hornung, T.G. Filloon, R.J. Young, A.H. Okun, and P.J. Longdrigan. Benzene and Leukemia: An Epidemiologic Risk Assessment. N. Eng. J. Med. 316:1,044-1,050. 1987.

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42 U.S. Environmental Protection Agency. Ambient Water Quality Criteria for Benzene. Environmental Criteria and Assessment Office, Cincinnati, Ohio. EPA 40/5-80-0018. NTIS PB 81-117293. 1980.

43 U.S. Environmental Protection Agency. Health Effects Assessment for Benzene. Environmental Criteria and Assessment Office. Cincinnati, Ohio. EPA 540/1-86-037. September, 1984.

California Environmental Protection Agency (Cal EPA) has developed an oral and inhalation cancer potency factor for benzene of 1.0 x 10^{-2} (mg/kg-day)$^{-1}$. Cal EPA has also developed an inhalation unit risk value of 2.9 x 10^{-5} (:g/m^3)$^{-1}$.

EPA (IRIS 2007) derived an inhalation reference concentration (RfC) for benzene of 0.03 mg/m^3 (0.009 ppm) based on the results of BMD modeling of absolute lymphocyte (ALC) data from the occupational epidemiologic study of Rothman et al. (1996a), in which workers were exposed to benzene by inhalation. The resulting BMCL of 7.2 ppm for decreased lymphocyte count was converted to 23.0 mg/m^3 and adjusted from intermittent to continuous exposure (BMCLADJ=8.2 mg/m^3); a total uncertainty factor of 300 (3 for effect-level extrapolation, 10 to protect sensitive individuals, 3 for subchronic-to-chronic extrapolation, and 3 for database deficiencies) was applied. [44]

EPA (IRIS 2007) derived an oral reference dose (RfD) for benzene of 0.004 mg/kg/day, based on the results of BMD modeling of ALC data from the occupational epidemiologic study of Rothman et al. (1996a), in which workers were exposed to benzene by inhalation.[45] The resulting BMCL of 7.2 ppm for decreased lymphocyte count was converted to 23.0 mg/m^3 and adjusted from intermittent to continuous exposure (BMCLADJ=8.2 mg/m^3). Route-to-route extrapolation methodology was applied to convert from inhalation to equivalent oral exposure, resulting in an equivalent oral dose rate of 1.2 mg/kg/day. This value was divided by a total uncertainty factor of 300 (3 for effect-level extrapolation, 10 to protect sensitive individuals, 3 for subchronic-to-chronic extrapolation, and 3 for database deficiencies). [46]

The International Agency for Research on Cancer (IARC) classifies benzene as a Group 1 carcinogen (carcinogenic to humans). EPA classified benzene in Category A (known human carcinogen) based on convincing evidence in humans supported by evidence from animal studies. Under EPA's most recent guidelines for carcinogen risk assessment, benzene is characterized as a known human carcinogen for all routes of exposure based on convincing human evidence as well as supporting evidence from animal studies. The National Toxicology Programs lists benzene as a "substance known to be carcinogenic," that is, a substance for which the evidence from human studies indicates that there is a causal relationship between exposure to the substance and human cancer.[47]

The EPA has a current maximum contaminant level (MCL) of 0.005 mg/L for benzene in drinking water (EPA 2002a). The World Health Organization (WHO) has established a guideline value of 0.01 mg/L for benzene in drinking water.[48] The California MCL (0.001 mg/L) is more stringent than the current federal MCL.

The American Conference of Governmental Industrial Hygienistshas recommended an 8-hour time-weighted average threshold limit value of 0.5 ppm for occupational exposure to benzene.[49] It was also specified that benzene should not be employed when substitute materials are available. The OSHA national regulation for occupational exposure is an 8-hour time weighted average of 1 ppm.

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[49] American Conference of Governmental Industrial Hygienists (ACGIH), 2004.

Summary of Benzene Criteria

Criterion	Value	Source
EPA carcinogen classification	Group A1	EPA 2007
Oral cancer slope factor	2.9×10^{-2} (mg/kg-day)$^{-1}$	EPA 2000
Inhalation unit risk	8.3×10^{-6} (:g/m^3)$^{-1}$	EPA 2000
Inhalation cancer slope factor	2.9×10^{-2} (mg/kg-day)$^{-1}$	EPA 2000
Cal EPA Oral cancer potency factor	1.0×10^{-2} (mg/kg-day)$^{-1}$	Cal EPA 1995
Cal EPA Inhalation cancer potency factor	1.0×10^{-2} (mg/kg-day)$^{-1}$	Cal EPA 1995
Cal EPA Inhalation unit risk value	2.9×10^{-5} (:g/m^3)$^{-1}$	Cal EPA 1995
Oral RfD		EPA 2007
Inhalation RfC		EPA 2007
Final MCLG	0	EPA 2002
Final MCL	5 :g/L	EPA 2002
1-day and 10-day HA	200 :g/L	EPA 1996
Ambient Water Quality Criteria (Water and Fish Consumption)	0.66 :g/L	EPA 1986b
Cal Permissible Exposure Limits, PEL	1 ppm	CCR, Title 8, 2000*
Cal Permissible Exposure Limits, STEL	5 ppm	CCR, Title 8, 2000*

* California Code of Regulations, Title 8, Section 5155, February 16, 2000.

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DIESEL PARTICULATE EMISSIONS

Introduction

Diesel fuel is a complex mixture of thousands of individual compounds, most with carbon numbers between 10 and 22. Most of these compounds are members of the paraffinic, naphthenic, or aromatic classes of hydrocarbons. Generally, more than half of the molecules in diesel fuels contains at least 15 carbon atoms.

Exhaust from diesel fuel combustion is comprised of gases, vapors, and fine particles. Regulated components of diesel exhaust include, but are not limited to, carcinogens such as benzene, arsenic, nickel, 1,3-butadiene, and formaldehyde, and systemic toxicants such as carbon monoxide, fine particulate matter (PM), nitrogen oxides, sulfur dioxide, and various polycyclic aromatic hydrocarbons (PAHs), including benzo(a)pyrene. Most researchers, including World Health Organization (WHO),[1] believe that the PM fraction is responsible for the majority of the risk from exposures to diesel exhaust because many of the harmful organics and metals present in the exhaust are carried on or within diesel particles (California Air Resources Board [CARB], 1997). Diesel PM is formed primarily through the incomplete combustion of diesel fuel. PM in diesel exhaust can be emitted from on- and off-road vehicles, stationary area sources, and stationary point sources. Typical diesel exhaust particles have diameters ranging from 0.1 to 0.25 micrometers (μm). The particles are mainly aggregates of spherical elemental carbon particles coated with organic and inorganic substances.[2]Diesel exhaust PM is removed from the atmosphere through physical processes including accretion (aggregation) of particles, atmospheric fall-out (dry deposition), and atmospheric removal by precipitation (wet deposition). According to Pierson et al.,[3] diesel PM is expected to remain in the atmosphere from five to 15 days.

Toxicokinetics

The primary route by which humans are exposed to diesel exhaust PM is via inhalation, although it may be absorbed dermally and gastrointestinally to lesser degrees. Various respiratory tract tissues have been shown to metabolize the particle associated compounds, benzo(a)pyrene (BaP) and nitropyrene (NP).

Induction of lung tumors arising in rats exposed to high concentrations of DE is related to overloading of normal lung clearance mechanisms, accumulation of particles, and cell damage followed by regenerative cell proliferation.[4] Data on the excretion and lung clearance of diesel exhaust PM are limited. The available information suggests that diesel exhaust PM and/or its metabolic products are excreted primarily in urine.

Qualitative Description of Health Effects

As presented in CARB,[5] epidemiological studies in truck drivers, transport and equipment workers, dock workers, and railway workers reported statistically significant increases in the incidence of lung cancer associated with exposure to diesel exhaust. Two studies reported no category with a risk ratio elevated for exposure to diesel exhaust. Statistically significant increases in tumor incidence were observed in several studies involving rats exposed to diesel exhaust for at least 24 months.[6] In addition, a 1995 report by the Health Effects Institute (HEI)[7] showed a weak association lung cancer and diesel exposure in occupationally exposed individuals

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Carcinogenicity

EPA has classified diesel emissions as "likely to be carcinogenic to humans by inhalation". High levels of both diesel exhaust and carbon black (which lacks adsorbed organic compounds) have produced lung tumors in laboratory rats.[8]

The noncancer toxicity of diesel emissions is considered to be due to the insoluble carbon particle core based on the fact that, in numerous chronic animal studies, long-term effects seen with whole diesel exhaust (including PM) are generally not observed or are significantly reduced in laboratory animals exposed to similar concentrations of diesel exhaust filtered to remove most of the particles.[9]

Mutagenicity

Extensive studies with salmonella have unequivocally demonstrated mutagenic activity in both particulate and gaseous fractions of DE. Structural chromosome aberrations and SCE in mammalian cells have been induced by particles and extracts.[10]

Acute/Chronic Effects

Human exposures to diesel exhaust PM are primarily associated with vehicle engine emissions, although point and area stationary sources may make significant contributions in some instances. Numerous epidemiological and clinical studies have conclusively shown that exposure to PM in diesel emissions is associated with increases in respiratory illnesses such as bronchitis, emphysema and asthma, as well as premature deaths from cardio-pulmonary disorders[11]. A study by Pope et al.[12] demonstrated that human exposures to airborne respirable PM present in diesel emissions are associated with increased morbidity and mortality, with observed effects including respiratory symptoms, changes in lung function, and increased hospitalizations for respiratory and cardiovascular disease. Pulmonary function was observed to improve in workers when diesel exhaust was removed, according to a pair of studies by Ulfvarson et al.[13,14]

The acute health effects of PM exposures have been extensively examined by a large number of epidemiological studies conducted worldwide. These studies have consistently shown significant associations between daily average ambient PM concentrations and corresponding cardiopulmonary mortality, morbidity, and functional impairments. Common health end points such as lung function, arterial oxygen saturation, heart rate, HRV, blood pressure, tissue biomarkers of effects, exhaled nitric oxide (eNO), cardiac dysrhythmias, and respiratory symptoms.[15]

Much less information is available on chronic effects associated with PM exposures because of the complexity and cost of chronic effect studies. One study showed had shown increased lung cancer in rats with long term exposure to very high concentrations of DEPs.[16]

Teratogenicity/ Reproductive Effects

Sufficient data are not available regarding the ability of diesel exhaust PM to induce reproductive,

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15 Lippman, M., M. Frampton, J. Zelikoff. The U.S. Environmental Protection Agency Particulate Matter Health Effects Research Centers Program: A Midcourse Report of Status, Progress, and Plans, Environ Health Perspect, 2003.

16 Pope, CA III, T.R. Burnett, M.J. Thun, E.E. Calle, D. Krewski, K. Ito. Lung cancer, cardiopulmonary mortality and long-term exposure to fine particulate air pollution. J Am Med Assoc , 2002.

developmental, or teratogenic effects in humans.[17]

Quantitative Description of Health Effects

According to the US EPA's Integrated Risk Information System (IRIS)[18] database, diesel particulate emissions have not undergone a complete evaluation and determination under the IRIS program for evidence of human carcinogenic potential; EPA has heretofore not derived a cancer slope factor for diesel exhaust. However, under Proposition 65 the State of California has determined that diesel engine exhaust is a carcinogen.[19] As a result, a cancer unit risk factor was derived for whole diesel exhaust by the State of California. Cal-EPA, 1998 derived unit risk estimates for lung cancer based upon a case-control study and cohort study of U.S. railroad workers. The lowest lifetime risk estimate derived was 1.3 $\times 10^{-4}$ per $\mu g/m^3$ and the highest was 2.4 $\times 10^{-3}$ per $\mu g/m^3$. The geometric mean was 6 $\times 10^{-4}$ per $\mu g/m^3$.[20] In addition, the International Agency for Research on Cancer (IARC) concluded in 1989 that sufficient evidence exists that whole diesel exhaust probably causes cancer and classified diesel exhaust in Group 2A (probable human carcinogen). In addition, the National Institute of Occupational Safety and Health (NIOSH) recommended that whole diesel exhaust be considered a potential occupational carcinogen.[21] Several inhalation assays performed in rodents have demonstrated that diesel exhaust causes cancer. For example, increases in the incidence of lung tumors were observed in seven studies in which rats were exposed to greater than 2 mg/m^3 of whole diesel exhaust for at least 24 months.[22,23,24] Diesel exhaust concentrations of 2.0 mg/m3 and greater were observed to exhaust the lung clearance capacity in rats in these studies. Similar studies using mice and hamsters produced mixed and negative results, respectively. Based on the results of the studies using rats, CARB derived a cancer unit risk factor of 3.0 x 10^{-1} (mg/m^3) for diesel exhaust, particularly the PM fraction.

For quantification of non-cancer effects, EPA has derived a Reference Concentration (RfC) for inhalation of whole diesel engine emissions, based on the results of two separate chronic inhalation studies conducted on rats by Ishinishi et al.[25] and Mauderly et al.[26] For the Ishinishi et al.[27] study, groups of Fischer 344 rats were exposed to different concentrations of either whole or filtered diesel exhaust for 30 months. The critical effect observed in the Ishinishi et al.[28] study was histological changes in the lung (lowest observed adverse effect level [LOAEL] of 0.9 milligrams per cubic meter {mg/m^3}). The Mauderly

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17 California Air Resources Board (CARB). Toxic Air Contaminant Identification – Diesel Exhaust. AB 1807. September, 1997.

18 California Air Resources Board. Draft Report of Advisory Committee, Risk Management Subcommittee – Scenario Ten, Commercial Airport Activities. January, 2000.

19 California Code of Regulations. Title 22. Division 2. Part 2. Subdivision 1. Chapter 3.§12000. Chemicals Known to the State to Cause Cancer or Reproductive Toxicity. March 10, 2000.

20 Garshick, E., M.B. Schenker, A. Munoz. A retrospective cohort study of lung cancer and DE exposure in railroad workers. Am. Rev. Respir. Dis, 1988.

21 National Institute of Occupational Safety and Health (NIOSH). Division of Standards Development and Technology Transfer. Current Intelligence Bulletin 50 – Carcinogenic Effects of Exposure to Diesel Exhaust. Publication No. 88-116. Cincinnati, OH. August, 1988.

22 California Environmental Protection Agency (CalEPA). Health Risk Assessment for Diesel Exhaust. Office of Environmental Health Hazard Assessment. Air Toxicology and Epidemiology Section. 1998.

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24 Nikula, K.J., M.B. Snipes, E.B. Barr, W.C. Griffith et al. Comparative pulmonary toxicities and carcinogenicities of chronically inhaled diesel exhaust and carbon black in F344 rats. Fundam. Appl. Toxicol. 25: 80-94. 1995.

25 Ishinishi, N., N. Kuwabara, Y. Takaki, et al. Long term inhalation experiments on diesel exhaust. In: Diesel Exhaust and Health Risk. Results of the HERP Studies: Entire Text of Discussion. Research Committee for HERP Studies. Japan Automobile Research Institute, Inc. Tsukuba, ibaraki 305, Japan. 1988.

26 Mauderly, J.L., N.A. Gillett, R. F. Henderson, R.K. Jones, et al. Relationship of lung structural and functional changes to accumulation of diesel exhaust particles. Ann. Occup. Hyg. 32: 659-669. 1988.

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28 Ishinishi, N., N. Kuwabara, Y. Takaki, et al. Long term inhalation experiments on diesel exhaust. In: Diesel Exhaust and Health Risk. Results of the HERP Studies: Entire Text of Discussion. Research Committee for HERP Studies. Japan Automobile Research Institute, Inc. Tsukuba, ibaraki 305, Japan. 1988.

et al.[29] study involved exposure of 364-367 rats and mice per exposure level to target diesel exhaust concentrations for up to 30 months. Critical effects observed in the Mauderly et al.[30] study were inflammatory, histological and biochemical changes in the lung and impaired particle clearance (LOAEL of 3.47 mg/m^3). The chronic RfC for diesel exhaust was developed using the results of the studies and an uncertainty factor of 30 which reflects a factor of 10 to protect sensitive individuals and a factor of 3 to adjust for interspecies extrapolation. The resulting RfC is 5 x 10^{-3} mg/m^3, a chronic exposure likely to be without an appreciable risk of adverse human health effects. This RfC equates to a daily dose of 0.00143 mg/kilograms per day (kg-day).
Currently, an oral RfD for diesel engine exhaust by EPA is not available is not provided

Summary of Diesel Exhaust PM Criteria

Criterion	Value	Source
RfC	5 x 10^{-3} mg/m^3	EPA 2002
California Cancer Unit Risk Factor	3.0 x 10^{-1} (mg/m^3)$^{-1}$	CARB 2000

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XYLENES

Introduction

Xylenes (*ortho, para,* and *meta* isomers) are used as solvents for paints, inks, and adhesives and as components of detergents and other industrial and household products. The three xylene isomers have very similar but not identical toxicologic properties. These three compounds generally have similar chemical and biological characteristics and therefore will be discussed together. Xylene is primarily a synthetic chemical. Chemical industries produce xylene from petroleum. Xylene also occurs naturally in petroleum and coal tar and is formed during forest fires, to a small extent. It is a colorless, flammable liquid with a sweet odor.

Potential for Human Exposure

Releases to the Environment

Xylenes are released to the atmosphere primarily as fugitive emissions from industrial sources (e.g., petroleum refineries, chemical plants), in automobile exhaust, and through volatilization from their use as solvents. Discharges into waterways and spills on land result primarily from use, storage, and transport of petroleum products and waste disposal. When xylenes are released to soil or surface water, they are expected to volatilize into the atmosphere.

Environmental Fate

Xylene is rapidly transformed in the troposphere where photooxidation by hydroxyl radicals is the dominant process. Xylene is stable to hydrolysis and oxidation in the aquatic environment, but is expected to undergo biodegradation. However, based on the volatility of xylene, biotransformation of this substance in surface waters is not expected to compete with its evaporation into the air. Xylene is also expected to volatilize from soil surfaces. Biodegradation is an important process in subsurface soils and groundwater where volatilization is hindered. Xylene is not expected to adsorb strongly to soil; however, soil adsorption increases as organic matter content increases. Xylene has been found to bioaccumulate to very modest levels (e.g., bioconcentration factors of <100), and food-chain biomagnification has not been observed.

Environmental Levels

Air: Typical concentrations of xylene in indoor air range from 1 to 10 ppb. Typical concentrations in outdoor air range from 1 to 30 ppb.

Water: Xylene has been detected in <5% of groundwater samples. Median xylene concentrations of ≤2 ppb have been reported in urban and rural drinking water wells or monitoring wells in the United States.

Soil and Sediment: The rapid volatilization of this chemical makes its presence in surface soils unlikely. According to 1999–2005 nationwide U.S. monitoring data from the STORET database, mixed xylene was detected in 90 out of 528 soil samples with a median (range) concentration of 0.038 mg/kg (0.001–190 mg/kg) (EPA 2005h).

Other Environmental Media: Xylene has been detected in cigarette smoke, consumer products, and some foods. The gas phase delivery of *p*-xylene in ultra-low tar delivery cigarette smoke ranges from <0.01 to 8 µg/cigarette, while the ranges for *m*-and *o*-xylene are <0.01–20 and <0.005–10 µg/cigarette, respectively (Higgins et al. 1983).

Toxicokinetics

Although the available data are limited, inference from metabolism and excretion studies suggests that absorption of orally administered xylenes is nearly complete. Because of their lipophilic properties, xylenes are rapidly absorbed by all routes of exposure and rapidly distributed throughout the body. Data from animals and humans suggest that approximately 60 percent of an inhaled dose is absorbed following ingestion and <50% through the gastrointestinal tract. Dermal absorption is reported to be

minor following exposure to xylene vapors but may be significant following contact with the liquid.[1] The major pathway for metabolism involves mixed function oxidases in the liver, resulting mainly in the formation of isomers of methylhippuric acid. Elimination of xylenes is through urinary excretion of metabolites and through pulmonary exhalation of unchanged solvent.[2]

Qualitative Description of Health Effects

Carcinogenicity

EPA[3] does not consider xylenes to be carcinogenic, based on negative animal and human data. The National Toxicology Program (NTP)[4] has tested xylenes for carcinogenicity by administering the compound orally to rats and mice. Fifty male and female F344 rats were treated by gauge with mixed xylenes at doses of 0, 250, or 500 mg/kg-day, five days/week for 103 weeks. Similarly, $B6C3F_1$ mice received 0, 500, or 1,000 mg/kg-day. NTP concluded at the end of the study that there was no evidence of carcinogenicity of xylene for rats or mice at any dose tested.

The frequency of sister chromatid exchanges and chromosomal aberrations were nearly identical between a group of 17 paint industry workers exposed to xylene and their respective referents.[5] In vitro, xylene caused no increase in the number of sister chromatid exchanges in human lymphocytes.[6]

Studies indicate that xylene isomers, technical grade xylene or mixed xylene are not mutagenic in tests with Salmonella typhimurium[7] nor in mutant reversion assays with Escherichia coli.[8] Technical grade xylene, but not o- and m-xylene, was weakly mutagenic in Drosophila recessive lethal tests. Chromosomal aberrations were not increased in bone marrow cells of rats exposed to xylenes by inhalation.[9] Xylenes were not found to be mutagenic in a battery of short-term tests.[10]

Teratogenicity/Reproductive Effects

Xylenes appear to be fetotoxic and may increase malformations in the offspring of exposed experimental animals. The available teratogenic studies have reported generally retarded skeletal development and body weight gains in fetuses except for one oral study in mice in which the incidence of cleft palates was increased.[11]

Acute/Chronic Effects

Most of the available toxicity data for xylenes assess adverse effects associated with exposure by inhalation. Acute exposure to relatively high concentrations of xylenes adversely affects the central

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1 U.S. Environmental Protection Agency. *Drinking Water Criteria Document of Xylenes (Final Draft).* Environmental Criteria and Assessment Office, Cincinnati, Ohio. ECAO-CIN-416. EPA 600/X-84-185-1. March, 1985.

2 U.S. Environmental Protection Agency. National Primary Drinking Water Regulations; Synthetic Organic Chemicals, Inorganic Chemicals and Microorganisms, Proposed Rule. *Fed. Reg*. 50:46,936-47,025. November 13, 1985.

3 U.S. Environmental Protection Agency. *Integrated Risk Information System.* 2000.

4 National Toxicology Program. *Carcinogenic Bioassay for Xylenes*. 1986.

5 Haglund, U., I. Lundberg and L. Zech. Chromosome aberrations and sister chromatid exchanges in Swedish paint industry workers. Scand. J. Work Environ. Health. 6: 291-298. 1980.

6 Gerner-Smidt, P. and U. Friedrich. The mutagenic effect of benzene, toluene and xylene studied by the SCE technique. Mutat. Res. 58: 313-316. 1978.

7 Florin, I., L. Rutberg, M. Curvall and C.R. Enzell. Screening of tobacco smoke constituents for mutagenicity using the Ames' test. Toxicology. 15: 219-232. 1980.

8 McCarroll, N.E., C.E. Piper and B.H. Keech. An E. coli microsuspension assay for the detection of DNA damage induced by direct-acting and promutagens. Environ. Mutagen. 3: 429-444. 1981.

9 Donner, M., J. Maki-Paakkanen, H. Norppa, M. Sorsa and H. Vainio. Genetic toxicology of xylenes. Mutat. Res. 74: 171-172. 1980.

10 Litton Bionetics. *Teratology Studies in Rats: Xylene.* Final Report to American Petroleum Institute, Washington, D.C. LBI Project No. 20698-5 (As cited in EPA 1984). 1978.

11 U.S. Environmental Protection Agency. *Drinking Water Criteria Document of Xylenes (Final Draft).* Environmental Criteria and Assessment Office, Cincinnati, Ohio. ECAO-CIN-416. EPA 600/X-84-185-1. March, 1985.

nervous system and lungs, and can irritate the mucous membranes. The liver is reportedly affected by longer-term exposure to lower levels of xylenes.[12,13]

Quantitative Description of Health Effects

Using the criteria for evaluating the overall weight of evidence of carcinogenicity to humans proposed by EPA's Carcinogen Assessment Group,[14] xylenes are appropriately assigned to Group D - Not Classified because data from animal studies is inadequate.[15]

EPA (IRIS 2005) has derived an inhalation reference concentration (RfC) for mixed xylenes of 0.1 mg/m^3 (0.02 ppm) based on a NOAEL of 50 ppm (217 mg/m^3) and a LOAEL of 100 ppm (434 mg/m^3) for impaired motor coordination (decreased rotarod performance) in male rats exposed to *m*-xylene vapor 6 hours/day, 5 days/week for 3 months; an uncertainty factor of 300 was applied to the NOAEL. [16] [17]

EPA (IRIS 2005) has derived an oral reference dose (RfD) for mixed xylenes of 0.2 mg/kg/day, based on a NOAEL of 250 mg/kg/day and a LOAEL of 500 mg/kg/day for dose-related decrease in body weight and increase in mortality in male rats treated by oral gavage 5 days/week for 2 years (NTP 1986); an uncertainty factor of 1,000 was applied to the NOAEL.[18] [19]

EPA developed one-day, 10-day, longer-term and lifetime Health Advisories (HAs) for xylenes. The one-day, 10-day and longer-term HAs for children are all 40 mg/L, and the longer-term HA for adults and the lifetime HA are 100 mg/L and 10 mg/L, respectively.[20]

The maximum contaminated level (MCL) for xylenes is 10 mg/L based on a chronic rat study.[21] The State of California's MCL is 1.75 mg/L based on the same study.
The American Conference of Governmental Industrial Hygienists (ACGIH 2004) has recommended an 8-hour time-weighted average threshold limit value of 435 mg/m^3 for occupational exposure to xylenes. [22]
The OSHA national regulation for occupational exposure is an 8-hour time weighted average of 435 mg/m^3.[23]

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[12] U.S. Environmental Protection Agency. *Drinking Water Criteria Document for Xylene*. Environmental Criteria and Assessment Office, Cincinnati, Ohio. EPA 540/1-86-066. September, 1984.

[13] U.S. Environmental Protection Agency. *Drinking Water Criteria Document of Xylenes (Final Draft).* Environmental Criteria and Assessment Office, Cincinnati, Ohio. ECAO-CIN-416. EPA 600/X-84-185-1. March, 1985.

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[22] American Conference of Governmental Industrial Hygienists (ACGIH). Xylenes, 2005.

[23] Occupational Safety & Health Administration (OSHA). Xylenes. 2005.

Summary of Xylenes Criteria

Criterion	Value	Source
EPA carcinogen classification	Not Applicable	EPA 2005
Oral RfD	0.2 mg/kg-day	EPA 2005
Inhalation RfC	0.1 mg/m3	
EPA Drinking Water Health Advisories		
Lifetime Health Advisory (HA)	10 mg/L	EPA 1991
Longer-term HA (Child)	40 mg/L	EPA 1991
Longer-term HA (Adult)	100 mg/L	EPA 1991
10-day HA (Child)	40 mg/L	EPA 2004
One-day HA (Child)	40 mg/L	EPA 2004
MCL	10 mg/L	EPA 2002
MCLG	10 mg/L	EPA 2002
Cal Permissible Exposure Limits, PEL	435 mg/m^3	CCR, Title 8, 2000[2]
Cal Permissible Exposure Limits, STEL	655 mg/m^3	CCR, Title 8, 2000[2]

[2] California Code of Regulations, Title 8, Section 5155, February 16, 2000.

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Attachment 2

Cancer Risk and Chronic Non-cancer Health Hazard Calculations (RAGS Part F)

Table 2-1A
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 1, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
(Based on Peak Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	70 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	613200 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; IUR = Inhalation Unit Risk; SFi = Inhalation Slope Factor; REL = Reference Exposure Level; EC = Exposure Concentration; AT = Averaging Time (for cancer or non-cancer)

		Toxicity Criteria				Cancer Risks				Hazard Quotients			
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Unit Risk $(ug/m^3)^{-1}$	CalEPA Inhalation Unit Risk $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to 30-year Resident	Cancer Risk to 70-year Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient 30-year Resident	Hazard Quotient 70-year Resident
Acetaldehyde	1.87E-02	2.20E-06	2.70E-06	9.00E+00	1.40E+02	4.14E-09	7.88E-10	2.07E-08	4.83E-08	1.28E-04	2.43E-05	1.28E-04	1.28E-04
Acrolein	1.07E-02	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	NC	2.94E-02	5.60E-03	2.94E-02	2.94E-02
Benzene	4.30E-03	7.80E-06	2.90E-05	3.00E+01	6.00E+01	1.03E-08	1.95E-09	5.13E-08	1.20E-07	6.88E-05	1.31E-05	6.88E-05	6.88E-05
1,3-Butadiene	6.80E-03	3.00E-05	1.70E-04	2.00E+00	2.00E+01	9.50E-08	1.81E-08	4.75E-07	1.11E-06	3.26E-04	6.21E-05	3.26E-04	3.26E-04
Ethylbenzene	-5.29E-04	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-1.09E-10	-2.07E-11	-5.44E-10	-1.27E-09	-2.54E-07	-4.83E-08	-2.54E-07	-2.54E-07
Formaldehyde	5.29E-02	1.30E-05	6.00E-06	9.80E+00	9.00E+00	2.61E-08	4.97E-09	1.30E-07	3.04E-07	5.63E-03	1.07E-03	5.63E-03	5.63E-03
Methyl alcohol	7.87E-03	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	NC	1.89E-06	3.60E-07	1.89E-06	1.89E-06
Methyl ethyl ketone	-2.55E-05	NA	NA	5.00E+03	NA	NC	NC	NC	NC	-4.88E-09	-9.30E-10	-4.88E-09	-4.88E-09
Naphthalene	2.35E-03	3.40E-05	3.40E-05	3.00E+00	9.00E+00	6.55E-09	1.25E-09	3.28E-08	7.65E-08	2.50E-04	4.76E-05	2.50E-04	2.50E-04
Hexane, n-	-1.85E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	NC	-2.53E-07	-4.83E-08	-2.53E-07	-2.53E-07
Phenol	3.23E-03	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	NC	1.55E-05	2.95E-06	1.55E-05	1.55E-05
Propylene	1.65E-02	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	NC	5.27E-06	1.00E-06	5.27E-06	5.27E-06
Styrene	1.22E-03	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	NC	1.30E-06	2.48E-07	1.30E-06	1.30E-06
Toluene	-4.15E-03	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	NC	-1.33E-05	-2.53E-06	-1.33E-05	-1.33E-05
Xylene (total)	-3.94E-03	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	NC	-5.39E-06	-1.03E-06	-5.39E-06	-5.39E-06
Chlorine	-2.35E-05	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	NC	-1.13E-04	-2.14E-05	-1.13E-04	-1.13E-04
Chromium (VI)	2.62E-07	1.20E-02	1.50E-01	1.00E-01	2.00E-01	3.23E-09	6.15E-10	1.61E-08	3.77E-08	1.26E-06	2.39E-07	1.26E-06	1.26E-06
Copper	8.72E-07	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC	NC
Lead	2.29E-06	NA	1.20E-05	NA	NA	2.26E-12	4.30E-13	1.13E-11	2.63E-11	NC	NC	NC	NC
Manganese	1.08E-06	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	NC	1.15E-05	2.19E-06	1.15E-05	1.15E-05
Nickel	-1.68E-07	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-3.58E-12	-6.82E-13	-1.79E-11	-4.18E-11	-3.21E-06	-6.12E-07	-3.21E-06	-3.21E-06
Diesel PM	-3.43E-02	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-8.45E-07	-1.61E-07	-4.22E-06	-9.86E-06	-6.57E-03	-1.25E-03	-6.57E-03	-6.57E-03
					TOTAL	**-7.0E-07**	**-1.3E-07**	**-3.5E-06**	**-8.2E-06**	**0.029**	**0.006**	**0.029**	**0.029**

[1] Residential Maximum Grid No. 28
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 2-1B
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 1, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
(Based on Peak Location of Residential Hazards[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	70 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	613200 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; REL = Reference Exposure Level; IUR = Inhalation Unit Risk; EC = Exposure Concentration; SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

	Toxicity Criteria					Cancer Risks				Hazard Quotients			
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfDi (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to 30-year Resident	Cancer Risk to 70-year Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient 30-year Resident	Hazard Quotient 70-year Resident
Acetaldehyde	2.54E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	5.64E-08	1.08E-08	2.82E-07	6.58E-07	1.74E-03	3.32E-04	1.74E-03	1.74E-03
Acrolein	1.45E-01	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	NC	3.98E-01	7.59E-02	3.98E-01	3.98E-01
Benzene	1.06E-01	7.80E-06	2.90E-05	3.00E+01	6.00E+01	2.53E-07	4.82E-08	1.27E-06	2.95E-06	1.70E-03	3.23E-04	1.70E-03	1.70E-03
1,3-Butadiene	1.02E-01	3.00E-05	1.70E-04	2.00E+00	2.00E+01	1.42E-06	2.71E-07	7.12E-06	1.66E-05	4.88E-03	9.30E-04	4.88E-03	4.88E-03
Ethylbenzene	1.15E-02	2.50E-06	2.50E-06	1.00E+03	2.00E+03	2.37E-09	4.51E-10	1.18E-08	2.76E-08	5.52E-06	1.05E-06	5.52E-06	5.52E-06
Formaldehyde	7.31E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	3.60E-07	6.86E-08	1.80E-06	4.20E-06	7.78E-02	1.48E-02	7.78E-02	7.78E-02
Methyl alcohol	1.07E-01	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	NC	2.58E-05	4.91E-06	2.58E-05	2.58E-05
Methyl ethyl ketone	1.17E-04	NA	NA	5.00E+03	NA	NC	NC	NC	NC	2.24E-08	4.27E-09	2.24E-08	2.24E-08
Naphthalene	3.23E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	9.03E-08	1.72E-08	4.51E-07	1.05E-06	3.44E-03	6.55E-04	3.44E-03	3.44E-03
Hexane, n-	-2.98E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	NC	-4.08E-07	-7.76E-08	-4.08E-07	-4.08E-07
Phenol	4.33E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	NC	2.07E-04	3.95E-05	2.07E-04	2.07E-04
Propylene	2.68E-01	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	NC	8.58E-05	1.63E-05	8.58E-05	8.58E-05
Styrene	1.85E-02	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	NC	1.98E-05	3.76E-06	1.98E-05	1.98E-05
Toluene	3.97E-02	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	NC	1.27E-04	2.42E-05	1.27E-04	1.27E-04
Xylene (total)	3.08E-02	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	NC	4.21E-05	8.03E-06	4.21E-05	4.21E-05
Chlorine	-8.22E-05	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	NC	-3.94E-04	-7.51E-05	-3.94E-04	-3.94E-04
Chromium (VI)	3.47E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	4.28E-08	8.16E-09	2.14E-07	5.00E-07	1.67E-05	3.17E-06	1.67E-05	1.67E-05
Copper	1.29E-05	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC	NC
Lead	2.96E-05	NA	1.20E-05	NA	NA	2.92E-11	5.57E-12	1.46E-10	3.41E-10	NC	NC	NC	NC
Manganese	1.56E-05	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	NC	1.66E-04	3.16E-05	1.66E-04	1.66E-04
Nickel	-5.87E-07	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-1.25E-11	-2.39E-12	-6.27E-11	-1.46E-10	-1.13E-05	-2.14E-06	-1.13E-05	-1.13E-05
Diesel PM	-1.19E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-2.95E-06	-5.61E-07	-1.47E-05	-3.44E-05	-2.29E-02	-4.36E-03	-2.29E-02	-2.29E-02
					TOTAL	**-7.2E-07**	**-1.4E-07**	**-3.6E-06**	**-8.4E-06**	**0.5**	**0.09**	**0.5**	**0.5**

[1] Residential Maximum Grid No. 81
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 2-1C
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 1, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
(Based on Peak Location of Commercial Cancer Risks[1])

Exposure Parameters	Adult Worker	RAGS F Equations
Exposure Time	10 (hrs/day)	EC = (CA x ET x EF x ED) / (AT)
Exposure Frequency	245 (days/year)	Risk = IUR x EC
Exposure Duration	40 (years)	HQ = EC / REL
Averaging Time (non-carcinogenic)	350400 (hrs)	Where: BW = Body Weight; REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200 (hrs)	IUR = Inhalation Unit Risk; EC = Exposure Concentration
		SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

TAC	Concentration at Location w/Maximum Risk (ug/m^3)	Toxicity Criteria: EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risks: Cancer Risk to Adult Worker	Hazard Quotients: Hazard Quotient Adult Worker
Acetaldehyde	1.94E-02	2.20E-06	2.70E-06	9.00E+00	1.40E+02	8.35E-09	3.87E-05
Acrolein	1.16E-02	NA	NA	2.00E-02	3.50E-01	NC	9.25E-03
Benzene	-1.02E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	-4.73E-08	-4.75E-05
1,3-Butadiene	4.13E-03	3.00E-05	1.70E-04	2.00E+00	2.00E+01	1.12E-07	5.78E-05
Ethylbenzene	-5.83E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-2.33E-09	-8.15E-07
Formaldehyde	5.33E-02	1.30E-05	6.00E-06	9.80E+00	9.00E+00	5.11E-08	1.66E-03
Methyl alcohol	8.12E-03	NA	NA	4.00E+03	4.00E+03	NC	5.68E-07
Methyl ethyl ketone	-1.91E-04	NA	NA	5.00E+03	NA	NC	-1.07E-08
Naphthalene	2.32E-03	3.40E-05	3.40E-05	3.00E+00	9.00E+00	1.26E-08	7.20E-05
Hexane, n-	-6.50E-03	NA	NA	7.00E+02	7.00E+03	NC	-2.60E-07
Phenol	3.52E-03	NA	NA	2.00E+02	2.00E+02	NC	4.93E-06
Propylene	6.57E-03	NA	NA	3.00E+03	3.00E+03	NC	6.12E-07
Styrene	7.16E-04	NA	NA	1.00E+03	9.00E+02	NC	2.22E-07
Toluene	-2.97E-02	NA	NA	5.00E+03	3.00E+02	NC	-2.77E-05
Xylene (total)	-2.74E-02	NA	NA	1.00E+02	7.00E+02	NC	-1.10E-05
Chlorine	-2.55E-04	NA	NA	1.50E-01	2.00E-01	NC	-3.56E-04
Chromium (VI)	6.06E-08	1.20E-02	1.50E-01	1.00E-01	2.00E-01	1.45E-09	8.48E-08
Copper	-1.24E-06	NA	NA	NA	NA	NC	NC
Lead	1.28E-06	NA	1.20E-05	NA	NA	2.46E-12	NC
Manganese	-1.12E-06	NA	NA	5.00E-02	9.00E-02	NC	-3.48E-06
Nickel	-1.82E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-7.56E-11	-1.02E-05
Diesel PM	-1.02E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-4.90E-06	-5.72E-03
					TOTAL	**-4.8E-06**	**0.0049**

[1] Commercial Maximum Grid No. **266** Note that this is not the same as the Peak Location of Commercial Hazards, Grid No. **236**

NA = Not Available **ug/m^3 = micrograms per cubic meter**

NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 2-1D
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 1, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
(Based on Peak Location of Commercial Hazards[1])

Exposure Parameters	Adult Worker	RAGS F Equations		
Exposure Time	10 (hrs/day)	EC = (CA x ET x EF x ED) / (AT)		
Exposure Frequency	245 (days/year)	Risk = IUR x EC		
Exposure Duration	40 (years)	HQ = EC / REL		
Averaging Time (non-carcinogenic)	350400 (hrs)	Where:	BW = Body Weight	REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200 (hrs)		IUR = Inhalation Unit Risk	EC = Exposure Concentration
			SFi = Inhalation Slope Factor	AT = Averaging Time (for cancer or non-cancer)

		Toxicity Criteria					Cancer Risks	Hazard Quotients
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)		Cancer Risk to Adult Worker	Hazard Quotient Adult Worker
Acetaldehyde	2.59E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02		1.12E-07	5.17E-04
Acrolein	1.50E-01	NA	NA	2.00E-02	3.50E-01		NC	1.20E-01
Benzene	5.13E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01		2.38E-07	2.39E-04
1,3-Butadiene	9.22E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01		2.51E-06	1.29E-03
Ethylbenzene	-8.04E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03		-3.21E-09	-1.12E-06
Formaldehyde	7.39E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00		7.09E-07	2.30E-02
Methyl alcohol	1.09E-01	NA	NA	4.00E+03	4.00E+03		NC	7.63E-06
Methyl ethyl ketone	-5.51E-04	NA	NA	5.00E+03	NA		NC	-3.08E-08
Naphthalene	3.24E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00		1.76E-07	1.01E-03
Hexane, n-	-1.76E-02	NA	NA	7.00E+02	7.00E+03		NC	-7.04E-07
Phenol	4.46E-02	NA	NA	2.00E+02	2.00E+02		NC	6.24E-05
Propylene	2.36E-01	NA	NA	3.00E+03	3.00E+03		NC	2.20E-05
Styrene	1.68E-02	NA	NA	1.00E+03	9.00E+02		NC	5.22E-06
Toluene	-5.21E-02	NA	NA	5.00E+03	3.00E+02		NC	-4.86E-05
Xylene (total)	-5.55E-02	NA	NA	1.00E+02	7.00E+02		NC	-2.22E-05
Chlorine	-2.37E-04	NA	NA	1.50E-01	2.00E-01		NC	-3.31E-04
Chromium (VI)	5.37E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01		1.29E-07	7.52E-06
Copper	1.93E-05	NA	NA	NA	NA		NC	NC
Lead	4.62E-05	NA	1.20E-05	NA	NA		8.86E-11	NC
Manganese	2.35E-05	NA	NA	5.00E-02	9.00E-02		NC	7.30E-05
Nickel	-1.69E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02		-7.03E-11	-9.47E-06
Diesel PM	-2.87E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00		-1.38E-05	-1.61E-02
						TOTAL	**-9.9E-06**	**0.1294**

[1] Commercial Maximum Grid No. **236**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 2-1E
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 1, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
(Based on Maximally Exposed Individuals Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	70 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	613200 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; IUR = Inhalation Unit Risk; SFi = Inhalation Slope Factor; REL = Reference Exposure Level; EC = Exposure Concentration; AT = Averaging Time (for cancer or non-cancer)

		Toxicity Criteria				Cancer Risks				Hazard Quotients			
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Unit Risk $(ug/m^3)^{-1}$	CalEPA Inhalation Unit Risk $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to 30-year Resident	Cancer Risk to 70-year Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient 30-year Resident	Hazard Quotient 70-year Resident
Acetaldehyde	1.40E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	3.10E-08	5.90E-09	1.55E-07	3.61E-07	9.56E-04	1.82E-04	9.56E-04	9.56E-04
Acrolein	8.19E-02	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	NC	2.24E-01	4.28E-02	2.24E-01	2.24E-01
Benzene	-6.04E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	-1.44E-07	-2.74E-08	-7.20E-07	-1.68E-06	-9.66E-04	-1.84E-04	-9.66E-04	-9.66E-04
1,3-Butadiene	3.34E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	4.67E-07	8.89E-08	2.33E-06	5.44E-06	1.60E-03	3.05E-04	1.60E-03	1.60E-03
Ethylbenzene	-4.24E-02	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-8.72E-09	-1.66E-09	-4.36E-08	-1.02E-07	-2.03E-05	-3.88E-06	-2.03E-05	-2.03E-05
Formaldehyde	3.71E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	1.83E-07	3.49E-08	9.16E-07	2.14E-06	3.96E-02	7.54E-03	3.96E-02	3.96E-02
Methyl alcohol	5.87E-02	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	NC	1.41E-05	2.68E-06	1.41E-05	1.41E-05
Methyl ethyl ketone	-1.00E-03	NA	NA	5.00E+03	NA	NC	NC	NC	NC	-1.93E-07	-3.67E-08	-1.93E-07	-1.93E-07
Naphthalene	1.70E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	4.75E-08	9.05E-09	2.38E-07	5.54E-07	1.81E-03	3.45E-04	1.81E-03	1.81E-03
Hexane, n-	-6.64E-02	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	NC	-9.10E-06	-1.73E-06	-9.10E-06	-9.10E-06
Phenol	2.58E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	NC	1.24E-04	2.35E-05	1.24E-04	1.24E-04
Propylene	2.75E-02	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	NC	8.80E-06	1.68E-06	8.80E-06	8.80E-06
Styrene	5.27E-03	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	NC	5.62E-06	1.07E-06	5.62E-06	5.62E-06
Toluene	-2.36E-01	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	NC	-7.55E-04	-1.44E-04	-7.55E-04	-7.55E-04
Xylene (total)	-2.05E-01	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	NC	-2.80E-04	-5.34E-05	-2.80E-04	-2.80E-04
Chlorine	-3.64E-03	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	NC	-1.75E-02	-3.33E-03	-1.75E-02	-1.75E-02
Chromium (VI)	1.08E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	1.33E-08	2.53E-09	6.65E-08	1.55E-07	5.17E-06	9.85E-07	5.17E-06	5.17E-06
Copper	-1.69E-05	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC	NC
Lead	2.01E-05	NA	1.20E-05	NA	NA	1.99E-11	3.78E-12	9.93E-11	2.32E-10	NC	NC	NC	NC
Manganese	-1.50E-05	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	NC	-1.60E-04	-3.05E-05	-1.60E-04	-1.60E-04
Nickel	-2.60E-05	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-5.56E-10	-1.06E-10	-2.78E-09	-6.48E-09	-4.99E-04	-9.50E-05	-4.99E-04	-4.99E-04
Diesel PM	-1.57E+00	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-3.87E-05	-7.36E-06	-1.93E-04	-4.51E-04	-3.01E-01	-5.73E-02	-3.01E-01	-3.01E-01
					TOTAL	**-3.8E-05**	**-7.3E-06**	**-1.9E-04**	**-4.4E-04**	**-0.052**	**-0.010**	**-0.052**	**-0.052**

[1] Residential Maximum Grid No. 141
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 2-1F
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 1, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
(Based on Maximally Exposed Individuals Location of Commercial Cancer Risks [1])

Exposure Parameters	Adult Worker	RAGS F Equations		
Exposure Time	10 (hrs/day)	EC = (CA x ET x EF x ED) / (AT)		
Exposure Frequency	245 (days/year)	Risk = IUR x EC		
Exposure Duration	40 (years)	HQ = EC / REL		
Averaging Time (non-carcinogenic)	350400 (hrs)	Where:	BW = Body Weight	REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200 (hrs)		IUR = Inhalation Unit Risk	EC = Exposure Concentration
			SFi = Inhalation Slope Factor	AT = Averaging Time (for cancer or non-cancer)

		Toxicity Criteria					Cancer Risks	Hazard Quotients
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)		Cancer Risk to Adult Worker	Hazard Quotient Adult Worker
Acetaldehyde	2.29E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02		9.88E-08	4.58E-04
Acrolein	1.40E-01	NA	NA	2.00E-02	3.50E-01		NC	1.12E-01
Benzene	-4.08E-01	7.80E-06	2.90E-05	3.00E+01	6.00E+01		-1.89E-06	-1.90E-03
1,3-Butadiene	-3.99E-03	3.00E-05	1.70E-04	2.00E+00	2.00E+01		-1.08E-07	-5.58E-05
Ethylbenzene	-1.95E-01	2.50E-06	2.50E-06	1.00E+03	2.00E+03		-7.78E-08	-2.72E-05
Formaldehyde	5.37E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00		5.15E-07	1.67E-02
Methyl alcohol	9.56E-02	NA	NA	4.00E+03	4.00E+03		NC	6.69E-06
Methyl ethyl ketone	-4.49E-03	NA	NA	5.00E+03	NA		NC	-2.51E-07
Naphthalene	2.60E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00		1.41E-07	8.07E-04
Hexane, n-	-2.70E-01	NA	NA	7.00E+02	7.00E+03		NC	-1.08E-05
Phenol	4.74E-02	NA	NA	2.00E+02	2.00E+02		NC	6.63E-05
Propylene	-2.57E-01	NA	NA	3.00E+03	3.00E+03		NC	-2.40E-05
Styrene	-3.99E-03	NA	NA	1.00E+03	9.00E+02		NC	-1.24E-06
Toluene	-1.04E+00	NA	NA	5.00E+03	3.00E+02		NC	-9.74E-04
Xylene (total)	-9.04E-01	NA	NA	1.00E+02	7.00E+02		NC	-3.61E-04
Chlorine	-2.23E-03	NA	NA	1.50E-01	2.00E-01		NC	-3.11E-03
Chromium (VI)	1.67E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01		4.01E-08	2.34E-06
Copper	-6.41E-06	NA	NA	NA	NA		NC	NC
Lead	2.09E-05	NA	1.20E-05	NA	NA		4.00E-11	NC
Manganese	-4.52E-06	NA	NA	5.00E-02	9.00E-02		NC	-1.40E-05
Nickel	-1.59E-05	2.40E-04	2.60E-04	5.00E-02	5.00E-02		-6.61E-10	-8.89E-05
Diesel PM	-3.35E+00	3.00E-04	3.00E-04	5.00E+00	5.00E+00		-1.61E-04	-1.88E-01
						TOTAL	**-1.6E-04**	**-0.0640**

[1] Commercial Maximum Grid No. **173**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 2-2A
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 2, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
(Based on Peak Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	70 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	613200 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; REL = Reference Exposure Level; IUR = Inhalation Unit Risk; EC = Exposure Concentration; SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

	Toxicity Criteria					Cancer Risks				Hazard Quotients			
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Unit Risk $(ug/m^3)^{-1}$	CalEPA Inhalation Unit Risk $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to 30-year Resident	Cancer Risk to 70-year Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient 30-year Resident	Hazard Quotient 70-year Resident
Acetaldehyde	1.70E-02	2.20E-06	2.70E-06	9.00E+00	1.40E+02	3.78E-09	7.20E-10	1.89E-08	4.41E-08	1.17E-04	2.22E-05	1.17E-04	1.17E-04
Acrolein	9.84E-03	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	NC	2.70E-02	5.13E-03	2.70E-02	2.70E-02
Benzene	2.84E-03	7.80E-06	2.90E-05	3.00E+01	6.00E+01	6.77E-09	1.29E-09	3.39E-08	7.90E-08	4.54E-05	8.65E-06	4.54E-05	4.54E-05
1,3-Butadiene	5.99E-03	3.00E-05	1.70E-04	2.00E+00	2.00E+01	8.37E-08	1.59E-08	4.19E-07	9.77E-07	2.87E-04	5.47E-05	2.87E-04	2.87E-04
Ethylbenzene	-8.77E-04	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-1.80E-10	-3.43E-11	-9.01E-10	-2.10E-09	-4.20E-07	-8.01E-08	-4.20E-07	-4.20E-07
Formaldehyde	4.82E-02	1.30E-05	6.00E-06	9.80E+00	9.00E+00	2.38E-08	4.52E-09	1.19E-07	2.77E-07	5.13E-03	9.77E-04	5.13E-03	5.13E-03
Methyl alcohol	7.19E-03	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	NC	1.72E-06	3.28E-07	1.72E-06	1.72E-06
Methyl ethyl ketone	-3.54E-05	NA	NA	5.00E+03	NA	NC	NC	NC	NC	-6.79E-09	-1.29E-09	-6.79E-09	-6.79E-09
Naphthalene	2.13E-03	3.40E-05	3.40E-05	3.00E+00	9.00E+00	5.96E-09	1.14E-09	2.98E-08	6.95E-08	2.27E-04	4.33E-05	2.27E-04	2.27E-04
Hexane, n-	-2.04E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	NC	-2.79E-07	-5.32E-08	-2.79E-07	-2.79E-07
Phenol	2.96E-03	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	NC	1.42E-05	2.70E-06	1.42E-05	1.42E-05
Propylene	1.43E-02	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	NC	4.56E-06	8.69E-07	4.56E-06	4.56E-06
Styrene	1.07E-03	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	NC	1.14E-06	2.18E-07	1.14E-06	1.14E-06
Toluene	-5.69E-03	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	NC	-1.82E-05	-3.47E-06	-1.82E-05	-1.82E-05
Xylene (total)	-5.34E-03	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	NC	-7.31E-06	-1.39E-06	-7.31E-06	-7.31E-06
Chlorine	-2.35E-05	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	NC	-1.13E-04	-2.14E-05	-1.13E-04	-1.13E-04
Chromium (VI)	2.15E-07	1.20E-02	1.50E-01	1.00E-01	2.00E-01	2.65E-09	5.05E-10	1.33E-08	3.09E-08	1.03E-06	1.96E-07	1.03E-06	1.03E-06
Copper	6.92E-07	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC	NC
Lead	1.89E-06	NA	1.20E-05	NA	NA	1.86E-12	3.55E-13	9.32E-12	2.18E-11	NC	NC	NC	NC
Manganese	8.64E-07	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	NC	9.20E-06	1.75E-06	9.20E-06	9.20E-06
Nickel	-1.68E-07	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-3.58E-12	-6.82E-13	-1.79E-11	-4.18E-11	-3.21E-06	-6.12E-07	-3.21E-06	-3.21E-06
Diesel PM	-3.63E-02	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-8.96E-07	-1.71E-07	-4.48E-06	-1.05E-05	-6.97E-03	-1.33E-03	-6.97E-03	-6.97E-03
					TOTAL	**-7.7E-07**	**-1.5E-07**	**-3.8E-06**	**-9.0E-06**	**0.026**	**0.005**	**0.026**	**0.026**

[1] Residential Maximum Grid No. 28
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 2-2B
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 2, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
(Based on Peak Location of Residential Hazards[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	70 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	613200 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; REL = Reference Exposure Level; IUR = Inhalation Unit Risk; EC = Exposure Concentration; SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

	Toxicity Criteria					Cancer Risks				Hazard Quotients			
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfDi (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to 30-year Resident	Cancer Risk to 70-year Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient 30-year Resident	Hazard Quotient 70-year Resident
Acetaldehyde	1.79E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	3.96E-08	7.55E-09	1.98E-07	4.62E-07	1.22E-03	2.33E-04	1.22E-03	1.22E-03
Acrolein	1.02E-01	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	NC	2.79E-01	5.32E-02	2.79E-01	2.79E-01
Benzene	7.75E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	1.85E-07	3.52E-08	9.23E-07	2.15E-06	1.24E-03	2.36E-04	1.24E-03	1.24E-03
1,3-Butadiene	7.21E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	1.01E-06	1.92E-07	5.04E-06	1.18E-05	3.46E-03	6.59E-04	3.46E-03	3.46E-03
Ethylbenzene	8.78E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	1.80E-09	3.44E-10	9.02E-09	2.10E-08	4.21E-06	8.02E-07	4.21E-06	4.21E-06
Formaldehyde	5.12E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	2.53E-07	4.81E-08	1.26E-06	2.95E-06	5.46E-02	1.04E-02	5.46E-02	5.46E-02
Methyl alcohol	7.55E-02	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	NC	1.81E-05	3.45E-06	1.81E-05	1.81E-05
Methyl ethyl ketone	1.30E-04	NA	NA	5.00E+03	NA	NC	NC	NC	NC	2.48E-08	4.73E-09	2.48E-08	2.48E-08
Naphthalene	2.27E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	6.35E-08	1.21E-08	3.17E-07	7.40E-07	2.42E-03	4.61E-04	2.42E-03	2.42E-03
Hexane, n-	-2.75E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	NC	-3.77E-07	-7.19E-08	-3.77E-07	-3.77E-07
Phenol	3.04E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	NC	1.46E-04	2.77E-05	1.46E-04	1.46E-04
Propylene	1.88E-01	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	NC	6.02E-05	1.15E-05	6.02E-05	6.02E-05
Styrene	1.31E-02	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	NC	1.40E-05	2.66E-06	1.40E-05	1.40E-05
Toluene	2.99E-02	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	NC	9.55E-05	1.82E-05	9.55E-05	9.55E-05
Xylene (total)	2.43E-02	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	NC	3.33E-05	6.35E-06	3.33E-05	3.33E-05
Chlorine	-8.22E-05	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	NC	-3.94E-04	-7.51E-05	-3.94E-04	-3.94E-04
Chromium (VI)	2.52E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	3.11E-08	5.93E-09	1.56E-07	3.63E-07	1.21E-05	2.31E-06	1.21E-05	1.21E-05
Copper	9.24E-06	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC	NC
Lead	2.16E-05	NA	1.20E-05	NA	NA	2.13E-11	4.06E-12	1.07E-10	2.49E-10	NC	NC	NC	NC
Manganese	1.12E-05	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	NC	1.19E-04	2.27E-05	1.19E-04	1.19E-04
Nickel	-5.87E-07	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-1.25E-11	-2.39E-12	-6.27E-11	-1.46E-10	-1.13E-05	-2.14E-06	-1.13E-05	-1.13E-05
Diesel PM	-1.25E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-3.08E-06	-5.87E-07	-1.54E-05	-3.59E-05	-2.40E-02	-4.56E-03	-2.40E-02	-2.40E-02
					TOTAL	**-1.5E-06**	**-2.9E-07**	**-7.5E-06**	**-1.7E-05**	**0.3**	**0.06**	**0.3**	**0.3**

[1] Residential Maximum Grid No. 81
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 2-2C
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 2, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
(Based on Peak Location of Commercial Cancer Risks[1])

Exposure Parameters	Adult Worker		RAGS F Equations		
Exposure Time	10	(hrs/day)	EC = (CA x ET x EF x ED) / (AT)		
Exposure Frequency	245	(days/year)	Risk = IUR x EC		
Exposure Duration	40	(years)	HQ = EC / REL		
Averaging Time (non-carcinogenic)	350400	(hrs)	Where:	BW = Body Weight	REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200	(hrs)		IUR = Inhalation Unit Risk	EC = Exposure Concentration
				SFi = Inhalation Slope Factor	AT = Averaging Time (for cancer or non-canc

		Toxicity Criteria				Cancer Risks	Hazard Quotients
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Adult Worker	Hazard Quotient Adult Worker
Acetaldehyde	1.71E-02	2.20E-06	2.70E-06	9.00E+00	1.40E+02	7.37E-09	3.41E-05
Acrolein	1.03E-02	NA	NA	2.00E-02	3.50E-01	NC	8.23E-03
Benzene	-1.20E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	-5.56E-08	-5.60E-05
1,3-Butadiene	3.05E-03	3.00E-05	1.70E-04	2.00E+00	2.00E+01	8.28E-08	4.26E-05
Ethylbenzene	-6.23E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-2.49E-09	-8.71E-07
Formaldehyde	4.67E-02	1.30E-05	6.00E-06	9.80E+00	9.00E+00	4.47E-08	1.45E-03
Methyl alcohol	7.16E-03	NA	NA	4.00E+03	4.00E+03	NC	5.01E-07
Methyl ethyl ketone	-2.02E-04	NA	NA	5.00E+03	NA	NC	-1.13E-08
Naphthalene	2.02E-03	3.40E-05	3.40E-05	3.00E+00	9.00E+00	1.10E-08	6.28E-05
Hexane, n-	-6.71E-03	NA	NA	7.00E+02	7.00E+03	NC	-2.68E-07
Phenol	3.14E-03	NA	NA	2.00E+02	2.00E+02	NC	4.40E-06
Propylene	3.59E-03	NA	NA	3.00E+03	3.00E+03	NC	3.35E-07
Styrene	5.18E-04	NA	NA	1.00E+03	9.00E+02	NC	1.61E-07
Toluene	-3.15E-02	NA	NA	5.00E+03	3.00E+02	NC	-2.93E-05
Xylene (total)	-2.90E-02	NA	NA	1.00E+02	7.00E+02	NC	-1.16E-05
Chlorine	-2.55E-04	NA	NA	1.50E-01	2.00E-01	NC	-3.56E-04
Chromium (VI)	3.29E-08	1.20E-02	1.50E-01	1.00E-01	2.00E-01	7.89E-10	4.60E-08
Copper	-1.34E-06	NA	NA	NA	NA	NC	NC
Lead	1.05E-06	NA	1.20E-05	NA	NA	2.01E-12	NC
Manganese	-1.25E-06	NA	NA	5.00E-02	9.00E-02	NC	-3.88E-06
Nickel	-1.82E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-7.56E-11	-1.02E-05
Diesel PM	-1.03E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-4.95E-06	-5.77E-03
					TOTAL	**-4.9E-06**	**0.0036**

[1] Commercial Maximum Grid No. **266** Note that this is not the same as the Peak Location of Commercial Hazards, Grid No. **236**

NA = Not Available **ug/m^3 = micrograms per cubic meter**

NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 2-2D
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 2, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
(Based on Peak Location of Commercial Hazards[1])

Exposure Parameters	Adult Worker	RAGS F Equations
Exposure Time	10 (hrs/day)	EC = (CA x ET x EF x ED) / (AT)
Exposure Frequency	245 (days/year)	Risk = IUR x EC
Exposure Duration	40 (years)	HQ = EC / REL
Averaging Time (non-carcinogenic)	350400 (hrs)	Where: BW = Body Weight; REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200 (hrs)	IUR = Inhalation Unit Risk; EC = Exposure Concentration
		SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-canc

		Toxicity Criteria				Cancer Risks	Hazard Quotients
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Adult Worker	Hazard Quotient Adult Worker
Acetaldehyde	2.29E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	9.89E-08	4.58E-04
Acrolein	1.33E-01	NA	NA	2.00E-02	3.50E-01	NC	1.06E-01
Benzene	4.03E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	1.87E-07	1.88E-04
1,3-Butadiene	8.07E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	2.19E-06	1.13E-03
Ethylbenzene	-9.05E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-3.62E-09	-1.27E-06
Formaldehyde	6.54E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	6.27E-07	2.03E-02
Methyl alcohol	9.67E-02	NA	NA	4.00E+03	4.00E+03	NC	6.76E-06
Methyl ethyl ketone	-5.44E-04	NA	NA	5.00E+03	NA	NC	-3.04E-08
Naphthalene	2.86E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	1.56E-07	8.90E-04
Hexane, n-	-1.75E-02	NA	NA	7.00E+02	7.00E+03	NC	-7.00E-07
Phenol	3.96E-02	NA	NA	2.00E+02	2.00E+02	NC	5.54E-05
Propylene	2.05E-01	NA	NA	3.00E+03	3.00E+03	NC	1.91E-05
Styrene	1.47E-02	NA	NA	1.00E+03	9.00E+02	NC	4.56E-06
Toluene	-5.56E-02	NA	NA	5.00E+03	3.00E+02	NC	-5.19E-05
Xylene (total)	-5.77E-02	NA	NA	1.00E+02	7.00E+02	NC	-2.31E-05
Chlorine	-2.37E-04	NA	NA	1.50E-01	2.00E-01	NC	-3.31E-04
Chromium (VI)	5.28E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	1.26E-07	7.38E-06
Copper	1.89E-05	NA	NA	NA	NA	NC	NC
Lead	4.54E-05	NA	1.20E-05	NA	NA	8.70E-11	NC
Manganese	2.30E-05	NA	NA	5.00E-02	9.00E-02	NC	7.16E-05
Nickel	-1.69E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-7.03E-11	-9.47E-06
Diesel PM	-2.88E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-1.38E-05	-1.61E-02
					TOTAL	**-1.0E-05**	**0.1128**

[1] Commercial Maximum Grid No. **236**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 2-2E
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 2, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
(Based on Maximally Exposed Individuals Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	70 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	613200 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; REL = Reference Exposure Level; IUR = Inhalation Unit Risk; EC = Exposure Concentration; SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

		Toxicity Criteria				Cancer Risks				Hazard Quotients			
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Unit Risk $(ug/m^3)^{-1}$	CalEPA Inhalation Unit Risk $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to 30-year Resident	Cancer Risk to 70-year Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient 30-year Resident	Hazard Quotient 70-year Resident
Acetaldehyde	1.30E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	2.88E-08	5.49E-09	1.44E-07	3.36E-07	8.89E-04	1.69E-04	8.89E-04	8.89E-04
Acrolein	7.64E-02	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	NC	2.09E-01	3.99E-02	2.09E-01	2.09E-01
Benzene	-6.59E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	-1.57E-07	-2.99E-08	-7.85E-07	-1.83E-06	-1.05E-03	-2.00E-04	-1.05E-03	-1.05E-03
1,3-Butadiene	2.92E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	4.08E-07	7.78E-08	2.04E-06	4.76E-06	1.40E-03	2.67E-04	1.40E-03	1.40E-03
Ethylbenzene	-4.34E-02	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-8.92E-09	-1.70E-09	-4.46E-08	-1.04E-07	-2.08E-05	-3.97E-06	-2.08E-05	-2.08E-05
Formaldehyde	3.43E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	1.69E-07	3.22E-08	8.46E-07	1.97E-06	3.65E-02	6.96E-03	3.65E-02	3.65E-02
Methyl alcohol	5.46E-02	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	NC	1.31E-05	2.49E-06	1.31E-05	1.31E-05
Methyl ethyl ketone	-1.02E-03	NA	NA	5.00E+03	NA	NC	NC	NC	NC	-1.96E-07	-3.73E-08	-1.96E-07	-1.96E-07
Naphthalene	1.58E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	4.40E-08	8.39E-09	2.20E-07	5.14E-07	1.68E-03	3.20E-04	1.68E-03	1.68E-03
Hexane, n-	-6.70E-02	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	NC	-9.18E-06	-1.75E-06	-9.18E-06	-9.18E-06
Phenol	2.41E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	NC	1.16E-04	2.20E-05	1.16E-04	1.16E-04
Propylene	1.59E-02	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	NC	5.09E-06	9.70E-07	5.09E-06	5.09E-06
Styrene	4.51E-03	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	NC	4.80E-06	9.14E-07	4.80E-06	4.80E-06
Toluene	-2.40E-01	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	NC	-7.68E-04	-1.46E-04	-7.68E-04	-7.68E-04
Xylene (total)	-2.08E-01	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	NC	-2.85E-04	-5.44E-05	-2.85E-04	-2.85E-04
Chlorine	-3.64E-03	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	NC	-1.75E-02	-3.33E-03	-1.75E-02	-1.75E-02
Chromium (VI)	9.61E-07	1.20E-02	1.50E-01	1.00E-01	2.00E-01	1.18E-08	2.26E-09	5.92E-08	1.38E-07	4.61E-06	8.77E-07	4.61E-06	4.61E-06
Copper	-1.73E-05	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC	NC
Lead	1.91E-05	NA	1.20E-05	NA	NA	1.89E-11	3.59E-12	9.44E-11	2.20E-10	NC	NC	NC	NC
Manganese	-1.56E-05	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	NC	-1.66E-04	-3.16E-05	-1.66E-04	-1.66E-04
Nickel	-2.60E-05	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-5.56E-10	-1.06E-10	-2.78E-09	-6.48E-09	-4.99E-04	-9.50E-05	-4.99E-04	-4.99E-04
Diesel PM	-1.57E+00	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-3.87E-05	-7.37E-06	-1.94E-04	-4.52E-04	-3.01E-01	-5.73E-02	-3.01E-01	-3.01E-01
					TOTAL	**-3.8E-05**	**-7.3E-06**	**-1.9E-04**	**-4.5E-04**	**-0.071**	**-0.014**	**-0.071**	**-0.071**

[1] Residential Maximum Grid No. 141
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 2-2F
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 2, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
(Based on Maximally Exposed Individuals Location of Commercial Cancer Risks [1])

Exposure Parameters	Adult Worker		RAGS F Equations		
Exposure Time	10	(hrs/day)	EC = (CA x ET x EF x ED) / (AT)		
Exposure Frequency	245	(days/year)	Risk = IUR x EC		
Exposure Duration	40	(years)	HQ = EC / REL		
Averaging Time (non-carcinogenic)	350400	(hrs)	Where:	BW = Body Weight	REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200	(hrs)		IUR = Inhalation Unit Risk	EC = Exposure Concentration
				SFi = Inhalation Slope Factor	AT = Averaging Time (for cancer or non-canc

		Toxicity Criteria					Cancer Risks	Hazard Quotients
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)		Cancer Risk to Adult Worker	Hazard Quotient Adult Worker
Acetaldehyde	2.01E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02		8.69E-08	4.02E-04
Acrolein	1.25E-01	NA	NA	2.00E-02	3.50E-01		NC	9.96E-02
Benzene	-4.25E-01	7.80E-06	2.90E-05	3.00E+01	6.00E+01		-1.97E-06	-1.98E-03
1,3-Butadiene	-1.62E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01		-4.40E-07	-2.26E-04
Ethylbenzene	-1.98E-01	2.50E-06	2.50E-06	1.00E+03	2.00E+03		-7.92E-08	-2.77E-05
Formaldehyde	4.57E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00		4.38E-07	1.42E-02
Methyl alcohol	8.39E-02	NA	NA	4.00E+03	4.00E+03		NC	5.87E-06
Methyl ethyl ketone	-4.57E-03	NA	NA	5.00E+03	NA		NC	-2.56E-07
Naphthalene	2.24E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00		1.22E-07	6.97E-04
Hexane, n-	-2.72E-01	NA	NA	7.00E+02	7.00E+03		NC	-1.09E-05
Phenol	4.28E-02	NA	NA	2.00E+02	2.00E+02		NC	5.99E-05
Propylene	-2.91E-01	NA	NA	3.00E+03	3.00E+03		NC	-2.71E-05
Styrene	-6.22E-03	NA	NA	1.00E+03	9.00E+02		NC	-1.93E-06
Toluene	-1.06E+00	NA	NA	5.00E+03	3.00E+02		NC	-9.87E-04
Xylene (total)	-9.16E-01	NA	NA	1.00E+02	7.00E+02		NC	-3.66E-04
Chlorine	-2.23E-03	NA	NA	1.50E-01	2.00E-01		NC	-3.11E-03
Chromium (VI)	1.22E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01		2.94E-08	1.71E-06
Copper	-8.13E-06	NA	NA	NA	NA		NC	NC
Lead	1.71E-05	NA	1.20E-05	NA	NA		3.28E-11	NC
Manganese	-6.58E-06	NA	NA	5.00E-02	9.00E-02		NC	-2.04E-05
Nickel	-1.59E-05	2.40E-04	2.60E-04	5.00E-02	5.00E-02		-6.61E-10	-8.89E-05
Diesel PM	-3.36E+00	3.00E-04	3.00E-04	5.00E+00	5.00E+00		-1.61E-04	-1.88E-01
						TOTAL	**-1.6E-04**	**-0.0799**

[1] Commercial Maximum Grid No. **173**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 2-3A
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 3, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
(Based on Peak Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	70 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	613200 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; REL = Reference Exposure Level; IUR = Inhalation Unit Risk; EC = Exposure Concentration; SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

	Toxicity Criteria					Cancer Risks				Hazard Quotients			
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Unit Risk $(ug/m^3)^{-1}$	CalEPA Inhalation Unit Risk $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to 30-year Resident	Cancer Risk to 70-year Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient 30-year Resident	Hazard Quotient 70-year Resident
Acetaldehyde	2.19E-02	2.20E-06	2.70E-06	9.00E+00	1.40E+02	4.85E-09	9.24E-10	2.43E-08	5.66E-08	1.50E-04	2.85E-05	1.50E-04	1.50E-04
Acrolein	1.26E-02	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	NC	3.46E-02	6.59E-03	3.46E-02	3.46E-02
Benzene	4.07E-03	7.80E-06	2.90E-05	3.00E+01	6.00E+01	9.69E-09	1.85E-09	4.85E-08	1.13E-07	6.50E-05	1.24E-05	6.50E-05	6.50E-05
1,3-Butadiene	7.77E-03	3.00E-05	1.70E-04	2.00E+00	2.00E+01	1.09E-07	2.07E-08	5.43E-07	1.27E-06	3.72E-04	7.09E-05	3.72E-04	3.72E-04
Ethylbenzene	-9.25E-04	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-1.90E-10	-3.62E-11	-9.50E-10	-2.22E-09	-4.43E-07	-8.45E-08	-4.43E-07	-4.43E-07
Formaldehyde	6.20E-02	1.30E-05	6.00E-06	9.80E+00	9.00E+00	3.06E-08	5.83E-09	1.53E-07	3.57E-07	6.61E-03	1.26E-03	6.61E-03	6.61E-03
Methyl alcohol	9.23E-03	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	NC	2.21E-06	4.21E-07	2.21E-06	2.21E-06
Methyl ethyl ketone	-4.30E-05	NA	NA	5.00E+03	NA	NC	NC	NC	NC	-8.24E-09	-1.57E-09	-8.24E-09	-8.24E-09
Naphthalene	2.74E-03	3.40E-05	3.40E-05	3.00E+00	9.00E+00	7.66E-09	1.46E-09	3.83E-08	8.93E-08	2.92E-04	5.56E-05	2.92E-04	2.92E-04
Hexane, n-	-2.26E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	NC	-3.09E-07	-5.88E-08	-3.09E-07	-3.09E-07
Phenol	3.79E-03	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	NC	1.82E-05	3.46E-06	1.82E-05	1.82E-05
Propylene	1.89E-02	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	NC	6.04E-06	1.15E-06	6.04E-06	6.04E-06
Styrene	1.40E-03	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	NC	1.49E-06	2.84E-07	1.49E-06	1.49E-06
Toluene	-6.15E-03	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	NC	-1.97E-05	-3.75E-06	-1.97E-05	-1.97E-05
Xylene (total)	-5.92E-03	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	NC	-8.11E-06	-1.54E-06	-8.11E-06	-8.11E-06
Chlorine	-4.75E-05	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	NC	-2.28E-04	-4.34E-05	-2.28E-04	-2.28E-04
Chromium (VI)	2.32E-07	1.20E-02	1.50E-01	1.00E-01	2.00E-01	2.86E-09	5.45E-10	1.43E-08	3.34E-08	1.11E-06	2.12E-07	1.11E-06	1.11E-06
Copper	6.18E-07	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC	NC
Lead	2.11E-06	NA	1.20E-05	NA	NA	2.08E-12	3.96E-13	1.04E-11	2.43E-11	NC	NC	NC	NC
Manganese	8.10E-07	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	NC	8.63E-06	1.64E-06	8.63E-06	8.63E-06
Nickel	-3.40E-07	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-7.26E-12	-1.38E-12	-3.63E-11	-8.47E-11	-6.51E-06	-1.24E-06	-6.51E-06	-6.51E-06
Diesel PM	-3.67E-02	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-9.04E-07	-1.72E-07	-4.52E-06	-1.06E-05	-7.03E-03	-1.34E-03	-7.03E-03	-7.03E-03
					TOTAL	**-7.4E-07**	**-1.4E-07**	**-3.7E-06**	**-8.6E-06**	**0.035**	**0.007**	**0.035**	**0.035**

[1] Residential Maximum Grid No. 28
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 2-3B
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 3, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
(Based on Peak Location of Residential Hazards[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	70 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	613200 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; REL = Reference Exposure Level; IUR = Inhalation Unit Risk; EC = Exposure Concentration; SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

		Toxicity Criteria				Cancer Risks				Hazard Quotients			
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfDi (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to 30-year Resident	Cancer Risk to 70-year Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient 30-year Resident	Hazard Quotient 70-year Resident
Acetaldehyde	2.29E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	5.08E-08	9.68E-09	2.54E-07	5.93E-07	1.57E-03	2.99E-04	1.57E-03	1.57E-03
Acrolein	1.31E-01	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	NC	3.59E-01	6.84E-02	3.59E-01	3.59E-01
Benzene	8.91E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	2.12E-07	4.05E-08	1.06E-06	2.48E-06	1.42E-03	2.71E-04	1.42E-03	1.42E-03
1,3-Butadiene	9.05E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	1.26E-06	2.41E-07	6.32E-06	1.47E-05	4.34E-03	8.26E-04	4.34E-03	4.34E-03
Ethylbenzene	7.92E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	1.63E-09	3.10E-10	8.14E-09	1.90E-08	3.80E-06	7.24E-07	3.80E-06	3.80E-06
Formaldehyde	6.57E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	3.24E-07	6.17E-08	1.62E-06	3.78E-06	7.00E-02	1.33E-02	7.00E-02	7.00E-02
Methyl alcohol	9.68E-02	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	NC	2.32E-05	4.42E-06	2.32E-05	2.32E-05
Methyl ethyl ketone	3.50E-05	NA	NA	5.00E+03	NA	NC	NC	NC	NC	6.71E-09	1.28E-09	6.71E-09	6.71E-09
Naphthalene	2.90E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	8.12E-08	1.55E-08	4.06E-07	9.47E-07	3.09E-03	5.89E-04	3.09E-03	3.09E-03
Hexane, n-	-5.11E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	NC	-7.00E-07	-1.33E-07	-7.00E-07	-7.00E-07
Phenol	3.90E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	NC	1.87E-04	3.57E-05	1.87E-04	1.87E-04
Propylene	2.36E-01	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	NC	7.56E-05	1.44E-05	7.56E-05	7.56E-05
Styrene	1.65E-02	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	NC	1.75E-05	3.34E-06	1.75E-05	1.75E-05
Toluene	2.36E-02	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	NC	7.56E-05	1.44E-05	7.56E-05	7.56E-05
Xylene (total)	1.68E-02	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	NC	2.30E-05	4.38E-06	2.30E-05	2.30E-05
Chlorine	-3.17E-04	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	NC	-1.52E-03	-2.89E-04	-1.52E-03	-1.52E-03
Chromium (VI)	2.60E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	3.21E-08	6.12E-09	1.61E-07	3.75E-07	1.25E-05	2.38E-06	1.25E-05	1.25E-05
Copper	8.19E-06	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC	NC
Lead	2.30E-05	NA	1.20E-05	NA	NA	2.27E-11	4.32E-12	1.13E-10	2.65E-10	NC	NC	NC	NC
Manganese	1.03E-05	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	NC	1.10E-04	2.09E-05	1.10E-04	1.10E-04
Nickel	-2.26E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-4.84E-11	-9.21E-12	-2.42E-10	-5.64E-10	-4.34E-05	-8.27E-06	-4.34E-05	-4.34E-05
Diesel PM	-1.32E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-3.25E-06	-6.18E-07	-1.62E-05	-3.79E-05	-2.53E-02	-4.81E-03	-2.53E-02	-2.53E-02
					TOTAL	**-1.3E-06**	**-2.4E-07**	**-6.4E-06**	**-1.5E-05**	**0.41**	**0.08**	**0.41**	**0.41**

[1] Residential Maximum Grid No. 81
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 2-3C
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 3, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
(Based on Peak Location of Commercial Cancer Risks[1])

Exposure Parameters	Adult Worker	RAGS F Equations
Exposure Time	10 (hrs/day)	EC = (CA x ET x EF x ED) / (AT)
Exposure Frequency	245 (days/year)	Risk = IUR x EC
Exposure Duration	40 (years)	HQ = EC / REL
Averaging Time (non-carcinogenic)	350400 (hrs)	Where: BW = Body Weight; REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200 (hrs)	IUR = Inhalation Unit Risk; EC = Exposure Concentration
		SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-canc

		Toxicity Criteria				Cancer Risks	Hazard Quotients
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Adult Worker	Hazard Quotient Adult Worker
Acetaldehyde	2.38E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	1.03E-07	4.75E-04
Acrolein	1.34E-01	NA	NA	2.00E-02	3.50E-01	NC	1.07E-01
Benzene	2.17E-01	7.80E-06	2.90E-05	3.00E+01	6.00E+01	1.01E-06	1.01E-03
1,3-Butadiene	1.17E-01	3.00E-05	1.70E-04	2.00E+00	2.00E+01	3.18E-06	1.64E-03
Ethylbenzene	6.16E-02	2.50E-06	2.50E-06	1.00E+03	2.00E+03	2.46E-08	8.62E-06
Formaldehyde	7.19E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	6.90E-07	2.23E-02
Methyl alcohol	1.01E-01	NA	NA	4.00E+03	4.00E+03	NC	7.04E-06
Methyl ethyl ketone	1.06E-03	NA	NA	5.00E+03	NA	NC	5.92E-08
Naphthalene	3.08E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	1.67E-07	9.58E-04
Hexane, n-	7.30E-02	NA	NA	7.00E+02	7.00E+03	NC	2.92E-06
Phenol	3.82E-02	NA	NA	2.00E+02	2.00E+02	NC	5.34E-05
Propylene	3.84E-01	NA	NA	3.00E+03	3.00E+03	NC	3.58E-05
Styrene	2.24E-02	NA	NA	1.00E+03	9.00E+02	NC	6.96E-06
Toluene	3.15E-01	NA	NA	5.00E+03	3.00E+02	NC	2.93E-04
Xylene (total)	2.62E-01	NA	NA	1.00E+02	7.00E+02	NC	1.05E-04
Chlorine	1.96E-02	NA	NA	1.50E-01	2.00E-01	NC	2.74E-02
Chromium (VI)	1.06E-05	1.20E-02	1.50E-01	1.00E-01	2.00E-01	2.54E-07	1.48E-05
Copper	1.54E-04	NA	NA	NA	NA	NC	NC
Lead	3.03E-05	NA	1.20E-05	NA	NA	5.82E-11	NC
Manganese	1.57E-04	NA	NA	5.00E-02	9.00E-02	NC	4.86E-04
Nickel	1.40E-04	2.40E-04	2.60E-04	5.00E-02	5.00E-02	5.82E-09	7.83E-04
Diesel PM	-8.03E-02	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-3.85E-06	-4.49E-03
					TOTAL	**1.6E-06**	**0.158**

[1] Commercial Maximum Grid No. **225** Note that this is not the same as the Peak Location of Commercial Hazards, Grid No. **236**

NA = Not Available **ug/m^3 = micrograms per cubic meter**

NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 2-3D
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 3, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
(Based on Peak Location of Commercial Hazards[1])

Exposure Parameters	Adult Worker	RAGS F Equations		
Exposure Time	10 (hrs/day)	EC = (CA x ET x EF x ED) / (AT)		
Exposure Frequency	245 (days/year)	Risk = IUR x EC		
Exposure Duration	40 (years)	HQ = EC / REL		
Averaging Time (non-carcinogenic)	350400 (hrs)	Where:	BW = Body Weight	REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200 (hrs)		IUR = Inhalation Unit Risk	EC = Exposure Concentration
			SFi = Inhalation Slope Factor	AT = Averaging Time (for cancer or non-canc

		Toxicity Criteria					Cancer Risks	Hazard Quotients
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)		Cancer Risk to Adult Worker	Hazard Quotient Adult Worker
Acetaldehyde	3.57E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02		1.54E-07	7.13E-04
Acrolein	2.05E-01	NA	NA	2.00E-02	3.50E-01		NC	1.64E-01
Benzene	1.26E-01	7.80E-06	2.90E-05	3.00E+01	6.00E+01		5.86E-07	5.89E-04
1,3-Butadiene	1.38E-01	3.00E-05	1.70E-04	2.00E+00	2.00E+01		3.74E-06	1.93E-03
Ethylbenzene	1.13E-02	2.50E-06	2.50E-06	1.00E+03	2.00E+03		4.50E-09	1.57E-06
Formaldehyde	1.03E+00	1.30E-05	6.00E-06	9.80E+00	9.00E+00		9.90E-07	3.21E-02
Methyl alcohol	1.51E-01	NA	NA	4.00E+03	4.00E+03		NC	1.05E-05
Methyl ethyl ketone	-2.35E-04	NA	NA	5.00E+03	NA		NC	-1.32E-08
Naphthalene	4.50E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00		2.45E-07	1.40E-03
Hexane, n-	3.68E-03	NA	NA	7.00E+02	7.00E+03		NC	1.47E-07
Phenol	6.06E-02	NA	NA	2.00E+02	2.00E+02		NC	8.48E-05
Propylene	3.79E-01	NA	NA	3.00E+03	3.00E+03		NC	3.53E-05
Styrene	2.54E-02	NA	NA	1.00E+03	9.00E+02		NC	7.90E-06
Toluene	4.46E-02	NA	NA	5.00E+03	3.00E+02		NC	4.16E-05
Xylene (total)	2.46E-02	NA	NA	1.00E+02	7.00E+02		NC	9.82E-06
Chlorine	2.10E-03	NA	NA	1.50E-01	2.00E-01		NC	2.94E-03
Chromium (VI)	6.79E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01		1.63E-07	9.50E-06
Copper	3.83E-05	NA	NA	NA	NA		NC	NC
Lead	5.11E-05	NA	1.20E-05	NA	NA		9.80E-11	NC
Manganese	4.29E-05	NA	NA	5.00E-02	9.00E-02		NC	1.33E-04
Nickel	1.50E-05	2.40E-04	2.60E-04	5.00E-02	5.00E-02		6.24E-10	8.40E-05
Diesel PM	-1.39E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00		-6.64E-06	-7.75E-03
						TOTAL	**-7.5E-07**	**0.20**

[1] Commercial Maximum Grid No. **236**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 2-3E
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 3, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
(Based on Maximally Exposed Individuals Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	70 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	613200 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; REL = Reference Exposure Level; IUR = Inhalation Unit Risk; EC = Exposure Concentration; SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

	Toxicity Criteria					Cancer Risks				Hazard Quotients			
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Unit Risk $(ug/m^3)^{-1}$	CalEPA Inhalation Unit Risk $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to 30-year Resident	Cancer Risk to 70-year Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient 30-year Resident	Hazard Quotient 70-year Resident
Acetaldehyde	1.19E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	2.64E-08	5.04E-09	1.32E-07	3.08E-07	8.16E-04	1.55E-04	8.16E-04	8.16E-04
Acrolein	7.12E-02	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	NC	1.95E-01	3.72E-02	1.95E-01	1.95E-01
Benzene	-5.11E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	-1.22E-07	-2.32E-08	-6.09E-07	-1.42E-06	-8.17E-04	-1.56E-04	-8.17E-04	-8.17E-04
1,3-Butadiene	2.75E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	3.84E-07	7.31E-08	1.92E-06	4.48E-06	1.32E-03	2.51E-04	1.32E-03	1.32E-03
Ethylbenzene	-3.01E-02	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-6.18E-09	-1.18E-09	-3.09E-08	-7.21E-08	-1.44E-05	-2.75E-06	-1.44E-05	-1.44E-05
Formaldehyde	3.34E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	1.64E-07	3.13E-08	8.22E-07	1.92E-06	3.55E-02	6.77E-03	3.55E-02	3.55E-02
Methyl alcohol	5.00E-02	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	NC	1.20E-05	2.28E-06	1.20E-05	1.20E-05
Methyl ethyl ketone	-1.12E-03	NA	NA	5.00E+03	NA	NC	NC	NC	NC	-2.14E-07	-4.08E-08	-2.14E-07	-2.14E-07
Naphthalene	1.43E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	3.99E-08	7.61E-09	2.00E-07	4.66E-07	1.52E-03	2.90E-04	1.52E-03	1.52E-03
Hexane, n-	-2.91E-02	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	NC	-3.99E-06	-7.60E-07	-3.99E-06	-3.99E-06
Phenol	2.14E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	NC	1.03E-04	1.95E-05	1.03E-04	1.03E-04
Propylene	5.78E-02	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	NC	1.85E-05	3.52E-06	1.85E-05	1.85E-05
Styrene	4.96E-03	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	NC	5.29E-06	1.01E-06	5.29E-06	5.29E-06
Toluene	-1.49E-01	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	NC	-4.76E-04	-9.07E-05	-4.76E-04	-4.76E-04
Xylene (total)	-1.42E-01	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	NC	-1.94E-04	-3.70E-05	-1.94E-04	-1.94E-04
Chlorine	4.58E-05	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	NC	2.20E-04	4.18E-05	2.20E-04	2.20E-04
Chromium (VI)	1.40E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	1.73E-08	3.29E-09	8.63E-08	2.01E-07	6.71E-06	1.28E-06	6.71E-06	6.71E-06
Copper	5.65E-06	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC	NC
Lead	1.17E-05	NA	1.20E-05	NA	NA	1.15E-11	2.20E-12	5.77E-11	1.35E-10	NC	NC	NC	NC
Manganese	6.71E-06	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	NC	7.15E-05	1.36E-05	7.15E-05	7.15E-05
Nickel	3.27E-07	2.40E-04	2.60E-04	5.00E-02	5.00E-02	6.99E-12	1.33E-12	3.50E-11	8.16E-11	6.28E-06	1.20E-06	6.28E-06	6.28E-06
Diesel PM	-4.57E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-1.13E-05	-2.14E-06	-5.63E-05	-1.31E-04	-8.76E-02	-1.67E-02	-8.76E-02	-8.76E-02
					TOTAL	**-1.1E-05**	**-2.0E-06**	**-5.4E-05**	**-1.3E-04**	**0.146**	**0.028**	**0.146**	**0.146**

[1] Residential Maximum Grid No. 297
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 2-3F
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 3, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
(Based on Maximally Exposed Individuals Location of Commercial Cancer Risks [1])

Exposure Parameters	Adult Worker		RAGS F Equations		
Exposure Time	10	(hrs/day)	EC = (CA x ET x EF x ED) / (AT)		
Exposure Frequency	245	(days/year)	Risk = IUR x EC		
Exposure Duration	40	(years)	HQ = EC / REL		
Averaging Time (non-carcinogenic)	350400	(hrs)	Where:	BW = Body Weight	REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200	(hrs)		IUR = Inhalation Unit Risk	EC = Exposure Concentration
				SFi = Inhalation Slope Factor	AT = Averaging Time (for cancer or non-canc

		Toxicity Criteria					Cancer Risks	Hazard Quotients
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)		Cancer Risk to Adult Worker	Hazard Quotient Adult Worker
Acetaldehyde	3.22E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02		1.39E-07	6.44E-04
Acrolein	1.93E-01	NA	NA	2.00E-02	3.50E-01		NC	1.54E-01
Benzene	-3.99E-01	7.80E-06	2.90E-05	3.00E+01	6.00E+01		-1.85E-06	-1.86E-03
1,3-Butadiene	2.82E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01		7.67E-07	3.95E-04
Ethylbenzene	-2.06E-01	2.50E-06	2.50E-06	1.00E+03	2.00E+03		-8.25E-08	-2.89E-05
Formaldehyde	7.87E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00		7.55E-07	2.45E-02
Methyl alcohol	1.35E-01	NA	NA	4.00E+03	4.00E+03		NC	9.44E-06
Methyl ethyl ketone	-4.57E-03	NA	NA	5.00E+03	NA		NC	-2.55E-07
Naphthalene	3.77E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00		2.05E-07	1.17E-03
Hexane, n-	-3.04E-01	NA	NA	7.00E+02	7.00E+03		NC	-1.21E-05
Phenol	6.41E-02	NA	NA	2.00E+02	2.00E+02		NC	8.97E-05
Propylene	-2.09E-01	NA	NA	3.00E+03	3.00E+03		NC	-1.95E-05
Styrene	1.30E-03	NA	NA	1.00E+03	9.00E+02		NC	4.05E-07
Toluene	-1.13E+00	NA	NA	5.00E+03	3.00E+02		NC	-1.05E-03
Xylene (total)	-9.67E-01	NA	NA	1.00E+02	7.00E+02		NC	-3.86E-04
Chlorine	-1.43E-02	NA	NA	1.50E-01	2.00E-01		NC	-1.99E-02
Chromium (VI)	-1.02E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01		-2.44E-08	-1.43E-06
Copper	-8.61E-05	NA	NA	NA	NA		NC	NC
Lead	3.44E-05	NA	1.20E-05	NA	NA		6.60E-11	NC
Manganese	-8.30E-05	NA	NA	5.00E-02	9.00E-02		NC	-2.58E-04
Nickel	-1.02E-04	2.40E-04	2.60E-04	5.00E-02	5.00E-02		-4.23E-09	-5.69E-04
Diesel PM	-3.49E+00	3.00E-04	3.00E-04	5.00E+00	5.00E+00		-1.67E-04	-1.95E-01
						TOTAL	**-1.7E-04**	**-0.038**

[1] Commercial Maximum Grid No. **173**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 2-4A
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 4, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
(Based on Peak Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	70 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	613200 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; REL = Reference Exposure Level; IUR = Inhalation Unit Risk; EC = Exposure Concentration; SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

	Toxicity Criteria					Cancer Risks				Hazard Quotients			
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Unit Risk $(ug/m^3)^{-1}$	CalEPA Inhalation Unit Risk $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to 30-year Resident	Cancer Risk to 70-year Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient 30-year Resident	Hazard Quotient 70-year Resident
Acetaldehyde	1.63E-02	2.20E-06	2.70E-06	9.00E+00	1.40E+02	3.62E-09	6.90E-10	1.81E-08	4.22E-08	1.12E-04	2.13E-05	1.12E-04	1.12E-04
Acrolein	9.39E-03	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	NC	2.57E-02	4.90E-03	2.57E-02	2.57E-02
Benzene	3.66E-03	7.80E-06	2.90E-05	3.00E+01	6.00E+01	8.71E-09	1.66E-09	4.36E-08	1.02E-07	5.84E-05	1.11E-05	5.84E-05	5.84E-05
1,3-Butadiene	5.93E-03	3.00E-05	1.70E-04	2.00E+00	2.00E+01	8.29E-08	1.58E-08	4.14E-07	9.67E-07	2.84E-04	5.42E-05	2.84E-04	2.84E-04
Ethylbenzene	-5.29E-04	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-1.09E-10	-2.07E-11	-5.43E-10	-1.27E-09	-2.54E-07	-4.83E-08	-2.54E-07	-2.54E-07
Formaldehyde	4.62E-02	1.30E-05	6.00E-06	9.80E+00	9.00E+00	2.28E-08	4.34E-09	1.14E-07	2.66E-07	4.92E-03	9.37E-04	4.92E-03	4.92E-03
Methyl alcohol	6.89E-03	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	NC	1.65E-06	3.15E-07	1.65E-06	1.65E-06
Methyl ethyl ketone	-2.23E-05	NA	NA	5.00E+03	NA	NC	NC	NC	NC	-4.28E-09	-8.15E-10	-4.28E-09	-4.28E-09
Naphthalene	2.05E-03	3.40E-05	3.40E-05	3.00E+00	9.00E+00	5.73E-09	1.09E-09	2.87E-08	6.69E-08	2.19E-04	4.16E-05	2.19E-04	2.19E-04
Hexane, n-	-1.78E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	NC	-2.43E-07	-4.63E-08	-2.43E-07	-2.43E-07
Phenol	2.83E-03	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	NC	1.36E-05	2.58E-06	1.36E-05	1.36E-05
Propylene	1.42E-02	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	NC	4.54E-06	8.64E-07	4.54E-06	4.54E-06
Styrene	1.06E-03	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	NC	1.13E-06	2.15E-07	1.13E-06	1.13E-06
Toluene	-4.06E-03	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	NC	-1.30E-05	-2.47E-06	-1.30E-05	-1.30E-05
Xylene (total)	-3.76E-03	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	NC	-5.15E-06	-9.81E-07	-5.15E-06	-5.15E-06
Chlorine	-2.25E-05	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	NC	-1.08E-04	-2.05E-05	-1.08E-04	-1.08E-04
Chromium (VI)	2.14E-07	1.20E-02	1.50E-01	1.00E-01	2.00E-01	2.64E-09	5.03E-10	1.32E-08	3.08E-08	1.03E-06	1.96E-07	1.03E-06	1.03E-06
Copper	6.94E-07	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC	NC
Lead	1.88E-06	NA	1.20E-05	NA	NA	1.85E-12	3.53E-13	9.27E-12	2.16E-11	NC	NC	NC	NC
Manganese	8.65E-07	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	NC	9.21E-06	1.75E-06	9.21E-06	9.21E-06
Nickel	-1.61E-07	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-3.43E-12	-6.54E-13	-1.72E-11	-4.00E-11	-3.08E-06	-5.87E-07	-3.08E-06	-3.08E-06
Diesel PM	-3.54E-02	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-8.74E-07	-1.66E-07	-4.37E-06	-1.02E-05	-6.80E-03	-1.29E-03	-6.80E-03	-6.80E-03
					TOTAL	**-7.5E-07**	**-1.4E-07**	**-3.7E-06**	**-8.7E-06**	**0.0244**	**0.0047**	**0.0244**	**0.0244**

[1] Residential Maximum Grid No. 28
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 2-4B
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 4, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
(Based on Peak Location of Residential Hazards[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	70 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	613200 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; REL = Reference Exposure Level; IUR = Inhalation Unit Risk; EC = Exposure Concentration; SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

	Toxicity Criteria					Cancer Risks				Hazard Quotients			
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfDi (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to 30-year Resident	Cancer Risk to 70-year Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient 30-year Resident	Hazard Quotient 70-year Resident
Acetaldehyde	1.92E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	4.26E-08	8.12E-09	2.13E-07	4.97E-07	1.31E-03	2.50E-04	1.31E-03	1.31E-03
Acrolein	1.11E-01	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	NC	3.04E-01	5.79E-02	3.04E-01	3.04E-01
Benzene	2.77E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	6.61E-08	1.26E-08	3.30E-07	7.71E-07	4.43E-04	8.44E-05	4.43E-04	4.43E-04
1,3-Butadiene	6.67E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	9.32E-07	1.78E-07	4.66E-06	1.09E-05	3.20E-03	6.09E-04	3.20E-03	3.20E-03
Ethylbenzene	-1.16E-02	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-2.39E-09	-4.55E-10	-1.19E-08	-2.79E-08	-5.58E-06	-1.06E-06	-5.58E-06	-5.58E-06
Formaldehyde	5.42E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	2.67E-07	5.09E-08	1.34E-06	3.12E-06	5.77E-02	1.10E-02	5.77E-02	5.77E-02
Methyl alcohol	8.10E-02	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	NC	1.94E-05	3.70E-06	1.94E-05	1.94E-05
Methyl ethyl ketone	-4.39E-04	NA	NA	5.00E+03	NA	NC	NC	NC	NC	-8.41E-08	-1.60E-08	-8.41E-08	-8.41E-08
Naphthalene	2.40E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	6.71E-08	1.28E-08	3.36E-07	7.83E-07	2.56E-03	4.87E-04	2.56E-03	2.56E-03
Hexane, n-	-2.52E-02	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	NC	-3.46E-06	-6.59E-07	-3.46E-06	-3.46E-06
Phenol	3.34E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	NC	1.60E-04	3.05E-05	1.60E-04	1.60E-04
Propylene	1.57E-01	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	NC	5.01E-05	9.53E-06	5.01E-05	5.01E-05
Styrene	1.19E-02	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	NC	1.27E-05	2.42E-06	1.27E-05	1.27E-05
Toluene	-7.34E-02	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	NC	-2.35E-04	-4.47E-05	-2.35E-04	-2.35E-04
Xylene (total)	-6.81E-02	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	NC	-9.33E-05	-1.78E-05	-9.33E-05	-9.33E-05
Chlorine	4.05E-04	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	NC	1.94E-03	3.70E-04	1.94E-03	1.94E-03
Chromium (VI)	3.37E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	4.16E-08	7.92E-09	2.08E-07	4.85E-07	1.62E-05	3.08E-06	1.62E-05	1.62E-05
Copper	1.53E-05	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC	NC
Lead	2.73E-05	NA	1.20E-05	NA	NA	2.69E-11	5.13E-12	1.35E-10	3.14E-10	NC	NC	NC	NC
Manganese	1.78E-05	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	NC	1.90E-04	3.61E-05	1.90E-04	1.90E-04
Nickel	2.89E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	6.18E-11	1.18E-11	3.09E-10	7.21E-10	5.55E-05	1.06E-05	5.55E-05	5.55E-05
Diesel PM	-5.12E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-1.26E-05	-2.41E-06	-6.32E-05	-1.47E-04	-9.83E-02	-1.87E-02	-9.83E-02	-9.83E-02
					TOTAL	**-1.1E-05**	**-2.1E-06**	**-5.6E-05**	**-1.3E-04**	**0.27**	**0.052**	**0.27**	**0.27**

[1] Residential Maximum Grid No. 130
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 2-4C
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 4, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
(Based on Peak Location of Commercial Cancer Risks[1])

Exposure Parameters	Adult Worker	RAGS F Equations		
Exposure Time	10 (hrs/day)	EC = (CA x ET x EF x ED) / (AT)		
Exposure Frequency	245 (days/year)	Risk = IUR x EC		
Exposure Duration	40 (years)	HQ = EC / REL		
Averaging Time (non-carcinogenic)	350400 (hrs)	Where:	BW = Body Weight	REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200 (hrs)		IUR = Inhalation Unit Risk	EC = Exposure Concentration
			SFi = Inhalation Slope Factor	AT = Averaging Time (for cancer or non-canc

		Toxicity Criteria					Cancer Risks	Hazard Quotients
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)		Cancer Risk to Adult Worker	Hazard Quotient Adult Worker
Acetaldehyde	2.30E-02	2.20E-06	2.70E-06	9.00E+00	1.40E+02		9.93E-09	4.60E-05
Acrolein	1.36E-02	NA	NA	2.00E-02	3.50E-01		NC	1.09E-02
Benzene	-4.77E-03	7.80E-06	2.90E-05	3.00E+01	6.00E+01		-2.21E-08	-2.22E-05
1,3-Butadiene	6.33E-03	3.00E-05	1.70E-04	2.00E+00	2.00E+01		1.72E-07	8.85E-05
Ethylbenzene	-3.99E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03		-1.59E-09	-5.58E-07
Formaldehyde	6.50E-02	1.30E-05	6.00E-06	9.80E+00	9.00E+00		6.23E-08	2.02E-03
Methyl alcohol	9.68E-03	NA	NA	4.00E+03	4.00E+03		NC	6.77E-07
Methyl ethyl ketone	-1.58E-04	NA	NA	5.00E+03	NA		NC	-8.83E-09
Naphthalene	2.80E-03	3.40E-05	3.40E-05	3.00E+00	9.00E+00		1.52E-08	8.71E-05
Hexane, n-	-4.10E-03	NA	NA	7.00E+02	7.00E+03		NC	-1.64E-07
Phenol	4.07E-03	NA	NA	2.00E+02	2.00E+02		NC	5.69E-06
Propylene	1.48E-02	NA	NA	3.00E+03	3.00E+03		NC	1.38E-06
Styrene	1.15E-03	NA	NA	1.00E+03	9.00E+02		NC	3.57E-07
Toluene	-2.01E-02	NA	NA	5.00E+03	3.00E+02		NC	-1.87E-05
Xylene (total)	-1.93E-02	NA	NA	1.00E+02	7.00E+02		NC	-7.73E-06
Chlorine	6.74E-04	NA	NA	1.50E-01	2.00E-01		NC	9.43E-04
Chromium (VI)	3.91E-07	1.20E-02	1.50E-01	1.00E-01	2.00E-01		9.37E-09	5.47E-07
Copper	5.39E-06	NA	NA	NA	NA		NC	NC
Lead	1.27E-06	NA	1.20E-05	NA	NA		2.44E-12	NC
Manganese	5.51E-06	NA	NA	5.00E-02	9.00E-02		NC	1.71E-05
Nickel	4.82E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02		2.00E-10	2.69E-05
Diesel PM	-9.54E-02	3.00E-04	3.00E-04	5.00E+00	5.00E+00		-4.57E-06	-5.33E-03
						TOTAL	**-4.3E-06**	**0.0087**

[1] Commercial Maximum Grid No. **266** Note that this is not the same as the Peak Location of Commercial Hazards, Grid No. **236**

NA = Not Available **ug/m^3 = micrograms per cubic meter**

NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 2-4D
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 4, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
(Based on Peak Location of Commercial Hazards[1])

Exposure Parameters	Adult Worker	RAGS F Equations
Exposure Time	10 (hrs/day)	EC = (CA x ET x EF x ED) / (AT)
Exposure Frequency	245 (days/year)	Risk = IUR x EC
Exposure Duration	40 (years)	HQ = EC / REL
Averaging Time (non-carcinogenic)	350400 (hrs)	Where: BW = Body Weight; REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200 (hrs)	IUR = Inhalation Unit Risk; EC = Exposure Concentration
		SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-canc

		Toxicity Criteria					Cancer Risks	Hazard Quotients
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)		Cancer Risk to Adult Worker	Hazard Quotient Adult Worker
Acetaldehyde	3.15E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02		1.36E-07	6.29E-04
Acrolein	1.82E-01	NA	NA	2.00E-02	3.50E-01		NC	1.45E-01
Benzene	7.75E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01		3.59E-07	3.61E-04
1,3-Butadiene	1.15E-01	3.00E-05	1.70E-04	2.00E+00	2.00E+01		3.13E-06	1.61E-03
Ethylbenzene	-4.35E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03		-1.74E-09	-6.09E-07
Formaldehyde	9.01E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00		8.64E-07	2.80E-02
Methyl alcohol	1.33E-01	NA	NA	4.00E+03	4.00E+03		NC	9.30E-06
Methyl ethyl ketone	-5.01E-04	NA	NA	5.00E+03	NA		NC	-2.80E-08
Naphthalene	3.95E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00		2.15E-07	1.23E-03
Hexane, n-	-1.67E-02	NA	NA	7.00E+02	7.00E+03		NC	-6.67E-07
Phenol	5.41E-02	NA	NA	2.00E+02	2.00E+02		NC	7.57E-05
Propylene	2.98E-01	NA	NA	3.00E+03	3.00E+03		NC	2.78E-05
Styrene	2.10E-02	NA	NA	1.00E+03	9.00E+02		NC	6.53E-06
Toluene	-3.72E-02	NA	NA	5.00E+03	3.00E+02		NC	-3.47E-05
Xylene (total)	-4.35E-02	NA	NA	1.00E+02	7.00E+02		NC	-1.74E-05
Chlorine	-1.85E-04	NA	NA	1.50E-01	2.00E-01		NC	-2.58E-04
Chromium (VI)	6.03E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01		1.45E-07	8.44E-06
Copper	2.21E-05	NA	NA	NA	NA		NC	NC
Lead	5.16E-05	NA	1.20E-05	NA	NA		9.90E-11	NC
Manganese	2.68E-05	NA	NA	5.00E-02	9.00E-02		NC	8.34E-05
Nickel	-1.32E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02		-5.48E-11	-7.38E-06
Diesel PM	-2.80E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00		-1.34E-05	-1.56E-02
						TOTAL	**-8.6E-06**	**0.1614**

[1] Commercial Maximum Grid No. **236**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 2-4E
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 4, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
(Based on Maximally Exposed Individuals Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	70 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	613200 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; REL = Reference Exposure Level; IUR = Inhalation Unit Risk; EC = Exposure Concentration; SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

		Toxicity Criteria				Cancer Risks				Hazard Quotients			
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Unit Risk $(ug/m^3)^{-1}$	CalEPA Inhalation Unit Risk $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to 30-year Resident	Cancer Risk to 70-year Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient 30-year Resident	Hazard Quotient 70-year Resident
Acetaldehyde	1.20E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	2.67E-08	5.09E-09	1.34E-07	3.12E-07	8.24E-04	1.57E-04	8.24E-04	8.24E-04
Acrolein	7.10E-02	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	NC	1.94E-01	3.70E-02	1.94E-01	1.94E-01
Benzene	-2.27E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	-5.42E-08	-1.03E-08	-2.71E-07	-6.32E-07	-3.63E-04	-6.92E-05	-3.63E-04	-3.63E-04
1,3-Butadiene	3.36E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	4.70E-07	8.94E-08	2.35E-06	5.48E-06	1.61E-03	3.07E-04	1.61E-03	1.61E-03
Ethylbenzene	-2.06E-02	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-4.23E-09	-8.05E-10	-2.11E-08	-4.93E-08	-9.86E-06	-1.88E-06	-9.86E-06	-9.86E-06
Formaldehyde	3.39E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	1.67E-07	3.18E-08	8.35E-07	1.95E-06	3.61E-02	6.87E-03	3.61E-02	3.61E-02
Methyl alcohol	5.06E-02	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	NC	1.21E-05	2.31E-06	1.21E-05	1.21E-05
Methyl ethyl ketone	-7.78E-04	NA	NA	5.00E+03	NA	NC	NC	NC	NC	-1.49E-07	-2.84E-08	-1.49E-07	-1.49E-07
Naphthalene	1.47E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	4.10E-08	7.82E-09	2.05E-07	4.79E-07	1.57E-03	2.98E-04	1.57E-03	1.57E-03
Hexane, n-	-2.30E-02	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	NC	-3.15E-06	-6.00E-07	-3.15E-06	-3.15E-06
Phenol	2.13E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	NC	1.02E-04	1.95E-05	1.02E-04	1.02E-04
Propylene	7.59E-02	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	NC	2.43E-05	4.62E-06	2.43E-05	2.43E-05
Styrene	6.06E-03	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	NC	6.45E-06	1.23E-06	6.45E-06	6.45E-06
Toluene	-1.05E-01	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	NC	-3.37E-04	-6.42E-05	-3.37E-04	-3.37E-04
Xylene (total)	-1.00E-01	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	NC	-1.37E-04	-2.62E-05	-1.37E-04	-1.37E-04
Chlorine	-7.04E-05	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	NC	-3.38E-04	-6.43E-05	-3.38E-04	-3.38E-04
Chromium (VI)	1.91E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	2.35E-08	4.48E-09	1.17E-07	2.74E-07	9.14E-06	1.74E-06	9.14E-06	9.14E-06
Copper	6.92E-06	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC	NC
Lead	1.63E-05	NA	1.20E-05	NA	NA	1.61E-11	3.07E-12	8.06E-11	1.88E-10	NC	NC	NC	NC
Manganese	8.41E-06	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	NC	8.96E-05	1.71E-05	8.96E-05	8.96E-05
Nickel	-5.03E-07	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-1.07E-11	-2.05E-12	-5.37E-11	-1.25E-10	-9.65E-06	-1.84E-06	-9.65E-06	-9.65E-06
Diesel PM	-4.03E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-9.94E-06	-1.89E-06	-4.97E-05	-1.16E-04	-7.73E-02	-1.47E-02	-7.73E-02	-7.73E-02
					TOTAL	**-9.3E-06**	**-1.8E-06**	**-4.6E-05**	**-1.1E-04**	**0.1563**	**0.0298**	**0.1563**	**0.1563**

[1] Residential Maximum Grid No. 297
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 2-4F
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 4, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
(Based on Maximally Exposed Individuals Location of Commercial Cancer Risks [1])

Exposure Parameters	Adult Worker		RAGS F Equations		
Exposure Time	10	(hrs/day)	EC = (CA x ET x EF x ED) / (AT)		
Exposure Frequency	245	(days/year)	Risk = IUR x EC		
Exposure Duration	40	(years)	HQ = EC / REL		
Averaging Time (non-carcinogenic)	350400	(hrs)	Where:	BW = Body Weight	REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200	(hrs)		IUR = Inhalation Unit Risk	EC = Exposure Concentration
				SFi = Inhalation Slope Factor	AT = Averaging Time (for cancer or non-canc

		Toxicity Criteria					Cancer Risks	Hazard Quotients
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)		Cancer Risk to Adult Worker	Hazard Quotient Adult Worker
Acetaldehyde	2.46E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02		1.06E-07	4.92E-04
Acrolein	1.50E-01	NA	NA	2.00E-02	3.50E-01		NC	1.20E-01
Benzene	-3.90E-01	7.80E-06	2.90E-05	3.00E+01	6.00E+01		-1.81E-06	-1.82E-03
1,3-Butadiene	5.03E-03	3.00E-05	1.70E-04	2.00E+00	2.00E+01		1.37E-07	7.04E-05
Ethylbenzene	-1.90E-01	2.50E-06	2.50E-06	1.00E+03	2.00E+03		-7.61E-08	-2.66E-05
Formaldehyde	5.88E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00		5.63E-07	1.83E-02
Methyl alcohol	1.03E-01	NA	NA	4.00E+03	4.00E+03		NC	7.20E-06
Methyl ethyl ketone	-4.37E-03	NA	NA	5.00E+03	NA		NC	-2.44E-07
Naphthalene	2.83E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00		1.54E-07	8.78E-04
Hexane, n-	-2.68E-01	NA	NA	7.00E+02	7.00E+03		NC	-1.07E-05
Phenol	5.03E-02	NA	NA	2.00E+02	2.00E+02		NC	7.03E-05
Propylene	-2.32E-01	NA	NA	3.00E+03	3.00E+03		NC	-2.16E-05
Styrene	-2.34E-03	NA	NA	1.00E+03	9.00E+02		NC	-7.28E-07
Toluene	-1.02E+00	NA	NA	5.00E+03	3.00E+02		NC	-9.55E-04
Xylene (total)	-8.86E-01	NA	NA	1.00E+02	7.00E+02		NC	-3.54E-04
Chlorine	-1.78E-03	NA	NA	1.50E-01	2.00E-01		NC	-2.49E-03
Chromium (VI)	1.51E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01		3.62E-08	2.11E-06
Copper	-4.48E-06	NA	NA	NA	NA		NC	NC
Lead	1.82E-05	NA	1.20E-05	NA	NA		3.48E-11	NC
Manganese	-2.83E-06	NA	NA	5.00E-02	9.00E-02		NC	-8.80E-06
Nickel	-1.27E-05	2.40E-04	2.60E-04	5.00E-02	5.00E-02		-5.29E-10	-7.12E-05
Diesel PM	-3.40E+00	3.00E-04	3.00E-04	5.00E+00	5.00E+00		-1.63E-04	-1.90E-01
						TOTAL	**-1.6E-04**	**-0.0566**

[1] Commercial Maximum Grid No. **173**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 2-5A
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 5, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
(Based on Peak Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	70 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	613200 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; REL = Reference Exposure Level; IUR = Inhalation Unit Risk; EC = Exposure Concentration; SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

		Toxicity Criteria				Cancer Risks				Hazard Quotients			
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Unit Risk $(ug/m^3)^{-1}$	CalEPA Inhalation Unit Risk $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to 30-year Resident	Cancer Risk to 70-year Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient 30-year Resident	Hazard Quotient 70-year Resident
Acetaldehyde	2.64E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	5.87E-08	1.12E-08	2.93E-07	6.85E-07	1.81E-03	3.45E-04	1.81E-03	1.81E-03
Acrolein	1.51E-01	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	NC	4.14E-01	7.89E-02	4.14E-01	4.14E-01
Benzene	1.10E-01	7.80E-06	2.90E-05	3.00E+01	6.00E+01	2.63E-07	5.00E-08	1.31E-06	3.07E-06	1.76E-03	3.36E-04	1.76E-03	1.76E-03
1,3-Butadiene	1.06E-01	3.00E-05	1.70E-04	2.00E+00	2.00E+01	1.48E-06	2.82E-07	7.40E-06	1.73E-05	5.08E-03	9.67E-04	5.08E-03	5.08E-03
Ethylbenzene	1.19E-02	2.50E-06	2.50E-06	1.00E+03	2.00E+03	2.45E-09	4.67E-10	1.22E-08	2.86E-08	5.72E-06	1.09E-06	5.72E-06	5.72E-06
Formaldehyde	7.60E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	3.75E-07	7.14E-08	1.87E-06	4.37E-06	8.10E-02	1.54E-02	8.10E-02	8.10E-02
Methyl alcohol	1.12E-01	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	NC	2.68E-05	5.10E-06	2.68E-05	2.68E-05
Methyl ethyl ketone	1.17E-04	NA	NA	5.00E+03	NA	NC	NC	NC	NC	2.24E-08	4.27E-09	2.24E-08	2.24E-08
Naphthalene	3.36E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	9.38E-08	1.79E-08	4.69E-07	1.09E-06	3.58E-03	6.82E-04	3.58E-03	3.58E-03
Hexane, n-	-2.99E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	NC	-4.10E-07	-7.80E-08	-4.10E-07	-4.10E-07
Phenol	4.50E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	NC	2.16E-04	4.11E-05	2.16E-04	2.16E-04
Propylene	2.79E-01	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	NC	8.92E-05	1.70E-05	8.92E-05	8.92E-05
Styrene	1.93E-02	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	NC	2.05E-05	3.91E-06	2.05E-05	2.05E-05
Toluene	4.11E-02	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	NC	1.32E-04	2.51E-05	1.32E-04	1.32E-04
Xylene (total)	3.18E-02	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	NC	4.35E-05	8.29E-06	4.35E-05	4.35E-05
Chlorine	-8.22E-05	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	NC	-3.94E-04	-7.51E-05	-3.94E-04	-3.94E-04
Chromium (VI)	3.62E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	4.46E-08	8.49E-09	2.23E-07	5.20E-07	1.73E-05	3.30E-06	1.73E-05	1.73E-05
Copper	1.34E-05	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC	NC
Lead	3.09E-05	NA	1.20E-05	NA	NA	3.04E-11	5.80E-12	1.52E-10	3.55E-10	NC	NC	NC	NC
Manganese	1.62E-05	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	NC	1.73E-04	3.30E-05	1.73E-04	1.73E-04
Nickel	-5.87E-07	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-1.25E-11	-2.39E-12	-6.27E-11	-1.46E-10	-1.13E-05	-2.14E-06	-1.13E-05	-1.13E-05
Diesel PM	-1.18E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-2.92E-06	-5.56E-07	-1.46E-05	-3.41E-05	-2.27E-02	-4.32E-03	-2.27E-02	-2.27E-02
					TOTAL	**-6.0E-07**	**-1.1E-07**	**-3.0E-06**	**-7.0E-06**	**0.4850**	**0.0924**	**0.4850**	**0.4850**

[1] Residential Maximum Grid No. 81
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 2-5B
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 5, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
(Based on Peak Location of Residential Hazards[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	70 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	613200 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; REL = Reference Exposure Level; IUR = Inhalation Unit Risk; EC = Exposure Concentration; SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

		Toxicity Criteria				Cancer Risks				Hazard Quotients			
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfDi (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to 30-year Resident	Cancer Risk to 70-year Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient 30-year Resident	Hazard Quotient 70-year Resident
Acetaldehyde	2.64E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	5.87E-08	1.12E-08	2.93E-07	6.85E-07	1.81E-03	3.45E-04	1.81E-03	1.81E-03
Acrolein	1.51E-01	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	NC	4.14E-01	7.89E-02	4.14E-01	4.14E-01
Benzene	1.10E-01	7.80E-06	2.90E-05	3.00E+01	6.00E+01	2.63E-07	5.00E-08	1.31E-06	3.07E-06	1.76E-03	3.36E-04	1.76E-03	1.76E-03
1,3-Butadiene	1.06E-01	3.00E-05	1.70E-04	2.00E+00	2.00E+01	1.48E-06	2.82E-07	7.40E-06	1.73E-05	5.08E-03	9.67E-04	5.08E-03	5.08E-03
Ethylbenzene	1.19E-02	2.50E-06	2.50E-06	1.00E+03	2.00E+03	2.45E-09	4.67E-10	1.22E-08	2.86E-08	5.72E-06	1.09E-06	5.72E-06	5.72E-06
Formaldehyde	7.60E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	3.75E-07	7.14E-08	1.87E-06	4.37E-06	8.10E-02	1.54E-02	8.10E-02	8.10E-02
Methyl alcohol	1.12E-01	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	NC	2.68E-05	5.10E-06	2.68E-05	2.68E-05
Methyl ethyl ketone	1.17E-04	NA	NA	5.00E+03	NA	NC	NC	NC	NC	2.24E-08	4.27E-09	2.24E-08	2.24E-08
Naphthalene	3.36E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	9.38E-08	1.79E-08	4.69E-07	1.09E-06	3.58E-03	6.82E-04	3.58E-03	3.58E-03
Hexane, n-	-2.99E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	NC	-4.10E-07	-7.80E-08	-4.10E-07	-4.10E-07
Phenol	4.50E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	NC	2.16E-04	4.11E-05	2.16E-04	2.16E-04
Propylene	2.79E-01	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	NC	8.92E-05	1.70E-05	8.92E-05	8.92E-05
Styrene	1.93E-02	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	NC	2.05E-05	3.91E-06	2.05E-05	2.05E-05
Toluene	4.11E-02	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	NC	1.32E-04	2.51E-05	1.32E-04	1.32E-04
Xylene (total)	3.18E-02	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	NC	4.35E-05	8.29E-06	4.35E-05	4.35E-05
Chlorine	-8.22E-05	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	NC	-3.94E-04	-7.51E-05	-3.94E-04	-3.94E-04
Chromium (VI)	3.62E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	4.46E-08	8.49E-09	2.23E-07	5.20E-07	1.73E-05	3.30E-06	1.73E-05	1.73E-05
Copper	1.34E-05	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC	NC
Lead	3.09E-05	NA	1.20E-05	NA	NA	3.04E-11	5.80E-12	1.52E-10	3.55E-10	NC	NC	NC	NC
Manganese	1.62E-05	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	NC	1.73E-04	3.30E-05	1.73E-04	1.73E-04
Nickel	-5.87E-07	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-1.25E-11	-2.39E-12	-6.27E-11	-1.46E-10	-1.13E-05	-2.14E-06	-1.13E-05	-1.13E-05
Diesel PM	-1.18E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-2.92E-06	-5.56E-07	-1.46E-05	-3.41E-05	-2.27E-02	-4.32E-03	-2.27E-02	-2.27E-02
					TOTAL	**-6.0E-07**	**-1.1E-07**	**-3.0E-06**	**-7.0E-06**	**0.49**	**0.092**	**0.49**	**0.49**

[1] Residential Maximum Grid No. 81
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 2-5C
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 5, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
(Based on Peak Location of Commercial Cancer Risks[1])

Exposure Parameters	Adult Worker	RAGS F Equations
Exposure Time	10 (hrs/day)	EC = (CA x ET x EF x ED) / (AT)
Exposure Frequency	245 (days/year)	Risk = IUR x EC
Exposure Duration	40 (years)	HQ = EC / REL
Averaging Time (non-carcinogenic)	350400 (hrs)	Where: BW = Body Weight; REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200 (hrs)	IUR = Inhalation Unit Risk; EC = Exposure Concentration
		SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risks: Cancer Risk to Adult Worker	Hazard Quotients: Hazard Quotient Adult Worker
			Toxicity Criteria				
Acetaldehyde	1.93E-02	2.20E-06	2.70E-06	9.00E+00	1.40E+02	8.32E-09	3.85E-05
Acrolein	1.15E-02	NA	NA	2.00E-02	3.50E-01	NC	9.21E-03
Benzene	-1.02E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	-4.75E-08	-4.77E-05
1,3-Butadiene	4.10E-03	3.00E-05	1.70E-04	2.00E+00	2.00E+01	1.11E-07	5.73E-05
Ethylbenzene	-5.83E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-2.33E-09	-8.16E-07
Formaldehyde	5.30E-02	1.30E-05	6.00E-06	9.80E+00	9.00E+00	5.08E-08	1.65E-03
Methyl alcohol	8.09E-03	NA	NA	4.00E+03	4.00E+03	NC	5.66E-07
Methyl ethyl ketone	-1.91E-04	NA	NA	5.00E+03	NA	NC	-1.07E-08
Naphthalene	2.31E-03	3.40E-05	3.40E-05	3.00E+00	9.00E+00	1.25E-08	7.16E-05
Hexane, n-	-6.50E-03	NA	NA	7.00E+02	7.00E+03	NC	-2.60E-07
Phenol	3.51E-03	NA	NA	2.00E+02	2.00E+02	NC	4.91E-06
Propylene	6.47E-03	NA	NA	3.00E+03	3.00E+03	NC	6.03E-07
Styrene	7.09E-04	NA	NA	1.00E+03	9.00E+02	NC	2.20E-07
Toluene	-2.97E-02	NA	NA	5.00E+03	3.00E+02	NC	-2.77E-05
Xylene (total)	-2.75E-02	NA	NA	1.00E+02	7.00E+02	NC	-1.10E-05
Chlorine	-2.55E-04	NA	NA	1.50E-01	2.00E-01	NC	-3.56E-04
Chromium (VI)	6.04E-08	1.20E-02	1.50E-01	1.00E-01	2.00E-01	1.45E-09	8.45E-08
Copper	-1.24E-06	NA	NA	NA	NA	NC	NC
Lead	1.28E-06	NA	1.20E-05	NA	NA	2.46E-12	NC
Manganese	-1.12E-06	NA	NA	5.00E-02	9.00E-02	NC	-3.48E-06
Nickel	-1.82E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-7.56E-11	-1.02E-05
Diesel PM	-1.02E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-4.90E-06	-5.71E-03
					TOTAL	**-4.8E-06**	**0.0049**

[1] Commercial Maximum Grid No. **266** Note that this is not the same as the Peak Location of Commercial Hazards, Grid No. **236**

NA = Not Available **ug/m^3 = micrograms per cubic meter**

NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 2-5D
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 5, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
(Based on Peak Location of Commercial Hazard[1])

Exposure Parameters	Adult Worker	RAGS F Equations
Exposure Time	10 (hrs/day)	EC = (CA x ET x EF x ED) / (AT)
Exposure Frequency	245 (days/year)	Risk = IUR x EC
Exposure Duration	40 (years)	HQ = EC / REL
Averaging Time (non-carcinogenic)	350400 (hrs)	Where: BW = Body Weight; REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200 (hrs)	IUR = Inhalation Unit Risk; EC = Exposure Concentration
		SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risks: Cancer Risk to Adult Worker	Hazard Quotients: Hazard Quotient Adult Worker
			Toxicity Criteria				
Acetaldehyde	2.53E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	1.09E-07	5.06E-04
Acrolein	1.47E-01	NA	NA	2.00E-02	3.50E-01	NC	1.17E-01
Benzene	4.92E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	2.28E-07	2.29E-04
1,3-Butadiene	9.01E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	2.45E-06	1.26E-03
Ethylbenzene	-8.27E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-3.31E-09	-1.16E-06
Formaldehyde	7.24E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	6.94E-07	2.25E-02
Methyl alcohol	1.07E-01	NA	NA	4.00E+03	4.00E+03	NC	7.48E-06
Methyl ethyl ketone	-5.51E-04	NA	NA	5.00E+03	NA	NC	-3.08E-08
Naphthalene	3.17E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	1.72E-07	9.85E-04
Hexane, n-	-1.77E-02	NA	NA	7.00E+02	7.00E+03	NC	-7.05E-07
Phenol	4.37E-02	NA	NA	2.00E+02	2.00E+02	NC	6.11E-05
Propylene	2.30E-01	NA	NA	3.00E+03	3.00E+03	NC	2.15E-05
Styrene	1.64E-02	NA	NA	1.00E+03	9.00E+02	NC	5.10E-06
Toluene	-5.30E-02	NA	NA	5.00E+03	3.00E+02	NC	-4.94E-05
Xylene (total)	-5.61E-02	NA	NA	1.00E+02	7.00E+02	NC	-2.24E-05
Chlorine	-2.37E-04	NA	NA	1.50E-01	2.00E-01	NC	-3.31E-04
Chromium (VI)	5.32E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	1.28E-07	7.45E-06
Copper	1.91E-05	NA	NA	NA	NA	NC	NC
Lead	4.58E-05	NA	1.20E-05	NA	NA	8.78E-11	NC
Manganese	2.33E-05	NA	NA	5.00E-02	9.00E-02	NC	7.23E-05
Nickel	-1.69E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-7.03E-11	-9.47E-06
Diesel PM	-2.87E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-1.38E-05	-1.61E-02
					TOTAL	**-1.0E-05**	**0.1264**

[1] **Commercial Maximum Grid No.** **236** Note that this is not the same as the Peak Location of Commercial Cancer Risks, Grid No. **266**

NA = Not Available **ug/m^3 = micrograms per cubic meter**

NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 2-5E
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 5, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
(Based on Maximally Exposed Individuals Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	70 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	613200 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; REL = Reference Exposure Level; IUR = Inhalation Unit Risk; EC = Exposure Concentration; SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

		Toxicity Criteria				Cancer Risks				Hazard Quotients			
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Unit Risk $(ug/m^3)^{-1}$	CalEPA Inhalation Unit Risk $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to 30-year Resident	Cancer Risk to 70-year Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient 30-year Resident	Hazard Quotient 70-year Resident
Acetaldehyde	9.87E-02	2.20E-06	2.70E-06	9.00E+00	1.40E+02	2.19E-08	4.17E-09	1.09E-07	2.55E-07	6.76E-04	1.29E-04	6.76E-04	6.76E-04
Acrolein	5.89E-02	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	NC	1.62E-01	3.08E-02	1.62E-01	1.62E-01
Benzene	-4.28E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	-1.02E-07	-1.94E-08	-5.10E-07	-1.19E-06	-6.84E-04	-1.30E-04	-6.84E-04	-6.84E-04
1,3-Butadiene	2.27E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	3.17E-07	6.04E-08	1.59E-06	3.70E-06	1.09E-03	2.07E-04	1.09E-03	1.09E-03
Ethylbenzene	-2.54E-02	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-5.22E-09	-9.94E-10	-2.61E-08	-6.09E-08	-1.22E-05	-2.32E-06	-1.22E-05	-1.22E-05
Formaldehyde	2.75E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	1.36E-07	2.59E-08	6.79E-07	1.58E-06	2.93E-02	5.59E-03	2.93E-02	2.93E-02
Methyl alcohol	4.14E-02	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	NC	9.93E-06	1.89E-06	9.93E-06	9.93E-06
Methyl ethyl ketone	-9.17E-04	NA	NA	5.00E+03	NA	NC	NC	NC	NC	-1.76E-07	-3.35E-08	-1.76E-07	-1.76E-07
Naphthalene	1.18E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	3.31E-08	6.30E-09	1.65E-07	3.86E-07	1.26E-03	2.40E-04	1.26E-03	1.26E-03
Hexane, n-	-2.57E-02	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	NC	-3.52E-06	-6.70E-07	-3.52E-06	-3.52E-06
Phenol	1.77E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	NC	8.51E-05	1.62E-05	8.51E-05	8.51E-05
Propylene	4.58E-02	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	NC	1.46E-05	2.79E-06	1.46E-05	1.46E-05
Styrene	4.07E-03	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	NC	4.33E-06	8.26E-07	4.33E-06	4.33E-06
Toluene	-1.27E-01	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	NC	-4.06E-04	-7.73E-05	-4.06E-04	-4.06E-04
Xylene (total)	-1.20E-01	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	NC	-1.64E-04	-3.13E-05	-1.64E-04	-1.64E-04
Chlorine	-1.03E-04	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	NC	-4.95E-04	-9.43E-05	-4.95E-04	-4.95E-04
Chromium (VI)	1.82E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	2.24E-08	4.28E-09	1.12E-07	2.62E-07	8.73E-06	1.66E-06	8.73E-06	8.73E-06
Copper	6.41E-06	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC	NC
Lead	1.57E-05	NA	1.20E-05	NA	NA	1.55E-11	2.95E-12	7.75E-11	1.81E-10	NC	NC	NC	NC
Manganese	7.84E-06	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	NC	8.35E-05	1.59E-05	8.35E-05	8.35E-05
Nickel	-7.38E-07	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-1.58E-11	-3.00E-12	-7.88E-11	-1.84E-10	-1.41E-05	-2.69E-06	-1.41E-05	-1.41E-05
Diesel PM	-4.31E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-1.06E-05	-2.03E-06	-5.32E-05	-1.24E-04	-8.27E-02	-1.58E-02	-8.27E-02	-8.27E-02
					TOTAL	**-1.0E-05**	**-1.9E-06**	**-5.1E-05**	**-1.2E-04**	**0.1095**	**0.0209**	**0.1095**	**0.1095**

[1] Residential Maximum Grid No. 297
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 2-5F
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 5, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
(Based on Maximally Exposed Individuals Location of Commercial Cancer Risks[1])

Exposure Parameters	Adult Worker	RAGS F Equations
Exposure Time	10 (hrs/day)	EC = (CA x ET x EF x ED) / (AT)
Exposure Frequency	245 (days/year)	Risk = IUR x EC
Exposure Duration	40 (years)	HQ = EC / REL
Averaging Time (non-carcinogenic)	350400 (hrs)	Where: BW = Body Weight; REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200 (hrs)	IUR = Inhalation Unit Risk; EC = Exposure Concentration
		SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risks: Cancer Risk to Adult Worker	Hazard Quotients: Hazard Quotient Adult Worker
			Toxicity Criteria				
Acetaldehyde	2.29E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	9.88E-08	4.57E-04
Acrolein	1.40E-01	NA	NA	2.00E-02	3.50E-01	NC	1.12E-01
Benzene	-4.08E-01	7.80E-06	2.90E-05	3.00E+01	6.00E+01	-1.89E-06	-1.90E-03
1,3-Butadiene	-4.10E-03	3.00E-05	1.70E-04	2.00E+00	2.00E+01	-1.11E-07	-5.74E-05
Ethylbenzene	-1.95E-01	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-7.79E-08	-2.73E-05
Formaldehyde	5.36E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	5.14E-07	1.67E-02
Methyl alcohol	9.56E-02	NA	NA	4.00E+03	4.00E+03	NC	6.68E-06
Methyl ethyl ketone	-4.50E-03	NA	NA	5.00E+03	NA	NC	-2.51E-07
Naphthalene	2.60E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	1.41E-07	8.07E-04
Hexane, n-	-2.71E-01	NA	NA	7.00E+02	7.00E+03	NC	-1.08E-05
Phenol	4.74E-02	NA	NA	2.00E+02	2.00E+02	NC	6.63E-05
Propylene	-2.58E-01	NA	NA	3.00E+03	3.00E+03	NC	-2.40E-05
Styrene	-4.01E-03	NA	NA	1.00E+03	9.00E+02	NC	-1.25E-06
Toluene	-1.05E+00	NA	NA	5.00E+03	3.00E+02	NC	-9.74E-04
Xylene (total)	-9.04E-01	NA	NA	1.00E+02	7.00E+02	NC	-3.61E-04
Chlorine	-2.23E-03	NA	NA	1.50E-01	2.00E-01	NC	-3.11E-03
Chromium (VI)	1.67E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	4.01E-08	2.34E-06
Copper	-6.40E-06	NA	NA	NA	NA	NC	NC
Lead	2.09E-05	NA	1.20E-05	NA	NA	4.01E-11	NC
Manganese	-4.50E-06	NA	NA	5.00E-02	9.00E-02	NC	-1.40E-05
Nickel	-1.59E-05	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-6.61E-10	-8.89E-05
Diesel PM	-3.35E+00	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-1.61E-04	-1.88E-01
					TOTAL	**-1.6E-04**	**-0.0641**

[1] Commercial Maximum Grid No. **173**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 2-6A
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 5, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Maximum Range
(Based on Peak Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	70 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	613200 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; REL = Reference Exposure Level; IUR = Inhalation Unit Risk; EC = Exposure Concentration; SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

		Toxicity Criteria				Cancer Risks				Hazard Quotients			
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Unit Risk $(ug/m^3)^{-1}$	CalEPA Inhalation Unit Risk $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to 30-year Resident	Cancer Risk to 70-year Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient 30-year Resident	Hazard Quotient 70-year Resident
Acetaldehyde	2.64E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	5.87E-08	1.12E-08	2.93E-07	6.85E-07	1.81E-03	3.45E-04	1.81E-03	1.81E-03
Acrolein	1.51E-01	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	NC	4.14E-01	7.89E-02	4.14E-01	4.14E-01
Benzene	1.10E-01	7.80E-06	2.90E-05	3.00E+01	6.00E+01	2.63E-07	5.00E-08	1.31E-06	3.07E-06	1.76E-03	3.36E-04	1.76E-03	1.76E-03
1,3-Butadiene	1.06E-01	3.00E-05	1.70E-04	2.00E+00	2.00E+01	1.48E-06	2.82E-07	7.40E-06	1.73E-05	5.08E-03	9.67E-04	5.08E-03	5.08E-03
Ethylbenzene	1.19E-02	2.50E-06	2.50E-06	1.00E+03	2.00E+03	2.45E-09	4.67E-10	1.22E-08	2.86E-08	5.72E-06	1.09E-06	5.72E-06	5.72E-06
Formaldehyde	7.60E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	3.75E-07	7.14E-08	1.87E-06	4.37E-06	8.10E-02	1.54E-02	8.10E-02	8.10E-02
Methyl alcohol	1.12E-01	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	NC	2.68E-05	5.10E-06	2.68E-05	2.68E-05
Methyl ethyl ketone	1.17E-04	NA	NA	5.00E+03	NA	NC	NC	NC	NC	2.24E-08	4.27E-09	2.24E-08	2.24E-08
Naphthalene	3.36E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	9.38E-08	1.79E-08	4.69E-07	1.09E-06	3.58E-03	6.82E-04	3.58E-03	3.58E-03
Hexane, n-	-2.99E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	NC	-4.10E-07	-7.80E-08	-4.10E-07	-4.10E-07
Phenol	4.50E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	NC	2.16E-04	4.11E-05	2.16E-04	2.16E-04
Propylene	2.79E-01	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	NC	8.92E-05	1.70E-05	8.92E-05	8.92E-05
Styrene	1.93E-02	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	NC	2.05E-05	3.91E-06	2.05E-05	2.05E-05
Toluene	4.11E-02	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	NC	1.32E-04	2.51E-05	1.32E-04	1.32E-04
Xylene (total)	3.18E-02	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	NC	4.35E-05	8.29E-06	4.35E-05	4.35E-05
Chlorine	-8.22E-05	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	NC	-3.94E-04	-7.51E-05	-3.94E-04	-3.94E-04
Chromium (VI)	3.62E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	4.46E-08	8.49E-09	2.23E-07	5.20E-07	1.73E-05	3.30E-06	1.73E-05	1.73E-05
Copper	1.34E-05	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC	NC
Lead	3.09E-05	NA	1.20E-05	NA	NA	3.04E-11	5.80E-12	1.52E-10	3.55E-10	NC	NC	NC	NC
Manganese	1.62E-05	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	NC	1.73E-04	3.30E-05	1.73E-04	1.73E-04
Nickel	-5.87E-07	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-1.25E-11	-2.39E-12	-6.27E-11	-1.46E-10	-1.13E-05	-2.14E-06	-1.13E-05	-1.13E-05
Diesel PM	-1.18E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-2.92E-06	-5.55E-07	-1.46E-05	-3.40E-05	-2.27E-02	-4.32E-03	-2.27E-02	-2.27E-02
					TOTAL	**-6.0E-07**	**-1.1E-07**	**-3.0E-06**	**-7.0E-06**	**0.4851**	**0.0924**	**0.4851**	**0.4851**

[1] Residential Maximum Grid No. 81
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 2-6B
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 5, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Maximum Range
(Based on Peak Location of Residential Hazards[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	70 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	613200 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; REL = Reference Exposure Level; IUR = Inhalation Unit Risk; EC = Exposure Concentration; SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

		Toxicity Criteria				Cancer Risks				Hazard Quotients			
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfDi (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to 30-year Resident	Cancer Risk to 70-year Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient 30-year Resident	Hazard Quotient 70-year Resident
Acetaldehyde	2.64E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	5.87E-08	1.12E-08	2.93E-07	6.85E-07	1.81E-03	3.45E-04	1.81E-03	1.81E-03
Acrolein	1.51E-01	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	NC	4.14E-01	7.89E-02	4.14E-01	4.14E-01
Benzene	1.10E-01	7.80E-06	2.90E-05	3.00E+01	6.00E+01	2.63E-07	5.00E-08	1.31E-06	3.07E-06	1.76E-03	3.36E-04	1.76E-03	1.76E-03
1,3-Butadiene	1.06E-01	3.00E-05	1.70E-04	2.00E+00	2.00E+01	1.48E-06	2.82E-07	7.40E-06	1.73E-05	5.08E-03	9.67E-04	5.08E-03	5.08E-03
Ethylbenzene	1.19E-02	2.50E-06	2.50E-06	1.00E+03	2.00E+03	2.45E-09	4.67E-10	1.22E-08	2.86E-08	5.72E-06	1.09E-06	5.72E-06	5.72E-06
Formaldehyde	7.60E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	3.75E-07	7.14E-08	1.87E-06	4.37E-06	8.10E-02	1.54E-02	8.10E-02	8.10E-02
Methyl alcohol	1.12E-01	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	NC	2.68E-05	5.10E-06	2.68E-05	2.68E-05
Methyl ethyl ketone	1.17E-04	NA	NA	5.00E+03	NA	NC	NC	NC	NC	2.24E-08	4.27E-09	2.24E-08	2.24E-08
Naphthalene	3.36E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	9.38E-08	1.79E-08	4.69E-07	1.09E-06	3.58E-03	6.82E-04	3.58E-03	3.58E-03
Hexane, n-	-2.99E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	NC	-4.10E-07	-7.80E-08	-4.10E-07	-4.10E-07
Phenol	4.50E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	NC	2.16E-04	4.11E-05	2.16E-04	2.16E-04
Propylene	2.79E-01	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	NC	8.92E-05	1.70E-05	8.92E-05	8.92E-05
Styrene	1.93E-02	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	NC	2.05E-05	3.91E-06	2.05E-05	2.05E-05
Toluene	4.11E-02	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	NC	1.32E-04	2.51E-05	1.32E-04	1.32E-04
Xylene (total)	3.18E-02	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	NC	4.35E-05	8.29E-06	4.35E-05	4.35E-05
Chlorine	-8.22E-05	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	NC	-3.94E-04	-7.51E-05	-3.94E-04	-3.94E-04
Chromium (VI)	3.62E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	4.46E-08	8.49E-09	2.23E-07	5.20E-07	1.73E-05	3.30E-06	1.73E-05	1.73E-05
Copper	1.34E-05	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC	NC
Lead	3.09E-05	NA	1.20E-05	NA	NA	3.04E-11	5.80E-12	1.52E-10	3.55E-10	NC	NC	NC	NC
Manganese	1.62E-05	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	NC	1.73E-04	3.30E-05	1.73E-04	1.73E-04
Nickel	-5.87E-07	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-1.25E-11	-2.39E-12	-6.27E-11	-1.46E-10	-1.13E-05	-2.14E-06	-1.13E-05	-1.13E-05
Diesel PM	-1.18E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-2.92E-06	-5.55E-07	-1.46E-05	-3.40E-05	-2.27E-02	-4.32E-03	-2.27E-02	-2.27E-02
					TOTAL	**-6.0E-07**	**-1.1E-07**	**-3.0E-06**	**-7.0E-06**	**0.49**	**0.092**	**0.49**	**0.49**

[1] Residential Maximum Grid No. 81
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 2-6C
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 5, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Maximum Range
(Based on Peak Location of Commercial Cancer Risks[1])

Exposure Parameters	Adult Worker
Exposure Time	10 (hrs/day)
Exposure Frequency	245 (days/year)
Exposure Duration	40 (years)
Averaging Time (non-carcinogenic)	350400 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where:
BW = Body Weight
IUR = Inhalation Unit Risk
SFi = Inhalation Slope Factor
REL = Reference Exposure Level
EC = Exposure Concentration
AT = Averaging Time (for cancer or non-cancer)

TAC	Concentration at Location w/Maximum Risk (ug/m^3)	Toxicity Criteria: EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	Toxicity Criteria: CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	Toxicity Criteria: EPA RfC (ug/m^3)	Toxicity Criteria: CalEPA Proposed REL (ug/m^3)	Cancer Risks: Cancer Risk to Adult Worker	Hazard Quotients: Hazard Quotient Adult Worker
Acetaldehyde	1.93E-02	2.20E-06	2.70E-06	9.00E+00	1.40E+02	8.32E-09	3.85E-05
Acrolein	1.15E-02	NA	NA	2.00E-02	3.50E-01	NC	9.21E-03
Benzene	-1.02E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	-4.75E-08	-4.77E-05
1,3-Butadiene	4.10E-03	3.00E-05	1.70E-04	2.00E+00	2.00E+01	1.11E-07	5.73E-05
Ethylbenzene	-5.83E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-2.33E-09	-8.16E-07
Formaldehyde	5.30E-02	1.30E-05	6.00E-06	9.80E+00	9.00E+00	5.08E-08	1.65E-03
Methyl alcohol	8.09E-03	NA	NA	4.00E+03	4.00E+03	NC	5.66E-07
Methyl ethyl ketone	-1.91E-04	NA	NA	5.00E+03	NA	NC	-1.07E-08
Naphthalene	2.31E-03	3.40E-05	3.40E-05	3.00E+00	9.00E+00	1.25E-08	7.16E-05
Hexane, n-	-6.50E-03	NA	NA	7.00E+02	7.00E+03	NC	-2.60E-07
Phenol	3.51E-03	NA	NA	2.00E+02	2.00E+02	NC	4.91E-06
Propylene	6.47E-03	NA	NA	3.00E+03	3.00E+03	NC	6.03E-07
Styrene	7.09E-04	NA	NA	1.00E+03	9.00E+02	NC	2.20E-07
Toluene	-2.97E-02	NA	NA	5.00E+03	3.00E+02	NC	-2.77E-05
Xylene (total)	-2.75E-02	NA	NA	1.00E+02	7.00E+02	NC	-1.10E-05
Chlorine	-2.55E-04	NA	NA	1.50E-01	2.00E-01	NC	-3.56E-04
Chromium (VI)	6.04E-08	1.20E-02	1.50E-01	1.00E-01	2.00E-01	1.45E-09	8.45E-08
Copper	-1.24E-06	NA	NA	NA	NA	NC	NC
Lead	1.28E-06	NA	1.20E-05	NA	NA	2.46E-12	NC
Manganese	-1.12E-06	NA	NA	5.00E-02	9.00E-02	NC	-3.48E-06
Nickel	-1.82E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-7.56E-11	-1.02E-05
Diesel PM	-1.02E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-4.89E-06	-5.71E-03
					TOTAL	**-4.8E-06**	**0.0049**

[1] Commercial Maximum Grid No. **266** Note that this is not the same as the Peak Location of Commercial Hazards, Grid No. **236**

NA = Not Available
NC = Not Calculated

ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 2-6D
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 5, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Maximum Range
(Based on Peak Location of Commercial Hazards[1])

Exposure Parameters	Adult Worker	RAGS F Equations
Exposure Time	10 (hrs/day)	EC = (CA x ET x EF x ED) / (AT)
Exposure Frequency	245 (days/year)	Risk = IUR x EC
Exposure Duration	40 (years)	HQ = EC / REL
Averaging Time (non-carcinogenic)	350400 (hrs)	Where: BW = Body Weight; REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200 (hrs)	IUR = Inhalation Unit Risk; EC = Exposure Concentration
		SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risks: Cancer Risk to Adult Worker	Hazard Quotients: Hazard Quotient Adult Worker
			Toxicity Criteria				
Acetaldehyde	2.53E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	1.09E-07	5.06E-04
Acrolein	1.47E-01	NA	NA	2.00E-02	3.50E-01	NC	1.17E-01
Benzene	4.92E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	2.28E-07	2.29E-04
1,3-Butadiene	9.01E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	2.45E-06	1.26E-03
Ethylbenzene	-8.27E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-3.31E-09	-1.16E-06
Formaldehyde	7.24E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	6.94E-07	2.25E-02
Methyl alcohol	1.07E-01	NA	NA	4.00E+03	4.00E+03	NC	7.48E-06
Methyl ethyl ketone	-5.51E-04	NA	NA	5.00E+03	NA	NC	-3.08E-08
Naphthalene	3.17E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	1.72E-07	9.85E-04
Hexane, n-	-1.77E-02	NA	NA	7.00E+02	7.00E+03	NC	-7.05E-07
Phenol	4.37E-02	NA	NA	2.00E+02	2.00E+02	NC	6.11E-05
Propylene	2.30E-01	NA	NA	3.00E+03	3.00E+03	NC	2.15E-05
Styrene	1.64E-02	NA	NA	1.00E+03	9.00E+02	NC	5.10E-06
Toluene	-5.30E-02	NA	NA	5.00E+03	3.00E+02	NC	-4.94E-05
Xylene (total)	-5.61E-02	NA	NA	1.00E+02	7.00E+02	NC	-2.24E-05
Chlorine	-2.37E-04	NA	NA	1.50E-01	2.00E-01	NC	-3.31E-04
Chromium (VI)	5.32E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	1.28E-07	7.45E-06
Copper	1.91E-05	NA	NA	NA	NA	NC	NC
Lead	4.58E-05	NA	1.20E-05	NA	NA	8.78E-11	NC
Manganese	2.33E-05	NA	NA	5.00E-02	9.00E-02	NC	7.23E-05
Nickel	-1.69E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-7.03E-11	-9.47E-06
Diesel PM	-2.86E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-1.37E-05	-1.60E-02
					TOTAL	**-9.9E-06**	**0.1265**

[1] Commercial Maximum Grid No. **236**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 2-6E
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 5, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Maximum Range
(Based on Maximally Exposed Individuals Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	70 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	613200 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; REL = Reference Exposure Level; IUR = Inhalation Unit Risk; EC = Exposure Concentration; SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

	Toxicity Criteria					Cancer Risks				Hazard Quotients			
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Unit Risk $(ug/m^3)^{-1}$	CalEPA Inhalation Unit Risk $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to 30-year Resident	Cancer Risk to 70-year Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient 30-year Resident	Hazard Quotient 70-year Resident
Acetaldehyde	1.40E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	3.10E-08	5.90E-09	1.55E-07	3.61E-07	9.56E-04	1.82E-04	9.56E-04	9.56E-04
Acrolein	8.19E-02	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	NC	2.24E-01	4.28E-02	2.24E-01	2.24E-01
Benzene	-6.09E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	-1.45E-07	-2.77E-08	-7.26E-07	-1.69E-06	-9.73E-04	-1.85E-04	-9.73E-04	-9.73E-04
1,3-Butadiene	3.33E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	4.65E-07	8.87E-08	2.33E-06	5.43E-06	1.60E-03	3.04E-04	1.60E-03	1.60E-03
Ethylbenzene	-4.26E-02	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-8.76E-09	-1.67E-09	-4.38E-08	-1.02E-07	-2.04E-05	-3.89E-06	-2.04E-05	-2.04E-05
Formaldehyde	3.71E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	1.83E-07	3.49E-08	9.15E-07	2.14E-06	3.96E-02	7.53E-03	3.96E-02	3.96E-02
Methyl alcohol	5.87E-02	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	NC	1.41E-05	2.68E-06	1.41E-05	1.41E-05
Methyl ethyl ketone	-1.01E-03	NA	NA	5.00E+03	NA	NC	NC	NC	NC	-1.93E-07	-3.68E-08	-1.93E-07	-1.93E-07
Naphthalene	1.70E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	4.75E-08	9.05E-09	2.38E-07	5.54E-07	1.81E-03	3.45E-04	1.81E-03	1.81E-03
Hexane, n-	-6.67E-02	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	NC	-9.14E-06	-1.74E-06	-9.14E-06	-9.14E-06
Phenol	2.58E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	NC	1.24E-04	2.36E-05	1.24E-04	1.24E-04
Propylene	2.70E-02	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	NC	8.63E-06	1.64E-06	8.63E-06	8.63E-06
Styrene	5.25E-03	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	NC	5.60E-06	1.07E-06	5.60E-06	5.60E-06
Toluene	-2.37E-01	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	NC	-7.58E-04	-1.44E-04	-7.58E-04	-7.58E-04
Xylene (total)	-2.06E-01	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	NC	-2.82E-04	-5.37E-05	-2.82E-04	-2.82E-04
Chlorine	-3.64E-03	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	NC	-1.75E-02	-3.33E-03	-1.75E-02	-1.75E-02
Chromium (VI)	1.07E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	1.32E-08	2.52E-09	6.62E-08	1.55E-07	5.15E-06	9.81E-07	5.15E-06	5.15E-06
Copper	-1.69E-05	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC	NC
Lead	2.01E-05	NA	1.20E-05	NA	NA	1.98E-11	3.77E-12	9.91E-11	2.31E-10	NC	NC	NC	NC
Manganese	-1.50E-05	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	NC	-1.60E-04	-3.05E-05	-1.60E-04	-1.60E-04
Nickel	-2.60E-05	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-5.56E-10	-1.06E-10	-2.78E-09	-6.48E-09	-4.99E-04	-9.50E-05	-4.99E-04	-4.99E-04
Diesel PM	-1.57E+00	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-3.86E-05	-7.36E-06	-1.93E-04	-4.51E-04	-3.01E-01	-5.72E-02	-3.01E-01	-3.01E-01
					TOTAL	**-3.8E-05**	**-7.2E-06**	**-1.9E-04**	**-4.4E-04**	**-0.0521**	**-0.0099**	**-0.0521**	**-0.0521**

[1] Residential Maximum Grid No. 141
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 2-6F
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 5, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Maximum Range
(Based on Maximally Exposed Individuals Location of Commercial Cancer Risks[1])

Exposure Parameters	Adult Worker
Exposure Time	10 (hrs/day)
Exposure Frequency	245 (days/year)
Exposure Duration	40 (years)
Averaging Time (non-carcinogenic)	350400 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where:
BW = Body Weight
IUR = Inhalation Unit Risk
SFi = Inhalation Slope Factor
REL = Reference Exposure Level
EC = Exposure Concentration
AT = Averaging Time (for cancer or non-cancer)

		Toxicity Criteria				Cancer Risks	Hazard Quotients
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Adult Worker	Hazard Quotient Adult Worker
Acetaldehyde	2.29E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	9.88E-08	4.57E-04
Acrolein	1.40E-01	NA	NA	2.00E-02	3.50E-01	NC	1.12E-01
Benzene	-4.08E-01	7.80E-06	2.90E-05	3.00E+01	6.00E+01	-1.89E-06	-1.90E-03
1,3-Butadiene	-4.10E-03	3.00E-05	1.70E-04	2.00E+00	2.00E+01	-1.11E-07	-5.74E-05
Ethylbenzene	-1.95E-01	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-7.79E-08	-2.73E-05
Formaldehyde	5.36E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	5.14E-07	1.67E-02
Methyl alcohol	9.56E-02	NA	NA	4.00E+03	4.00E+03	NC	6.68E-06
Methyl ethyl ketone	-4.50E-03	NA	NA	5.00E+03	NA	NC	-2.51E-07
Naphthalene	2.60E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	1.41E-07	8.07E-04
Hexane, n-	-2.71E-01	NA	NA	7.00E+02	7.00E+03	NC	-1.08E-05
Phenol	4.74E-02	NA	NA	2.00E+02	2.00E+02	NC	6.63E-05
Propylene	-2.58E-01	NA	NA	3.00E+03	3.00E+03	NC	-2.40E-05
Styrene	-4.01E-03	NA	NA	1.00E+03	9.00E+02	NC	-1.25E-06
Toluene	-1.05E+00	NA	NA	5.00E+03	3.00E+02	NC	-9.74E-04
Xylene (total)	-9.04E-01	NA	NA	1.00E+02	7.00E+02	NC	-3.61E-04
Chlorine	-2.23E-03	NA	NA	1.50E-01	2.00E-01	NC	-3.11E-03
Chromium (VI)	1.67E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	4.01E-08	2.34E-06
Copper	-6.40E-06	NA	NA	NA	NA	NC	NC
Lead	2.09E-05	NA	1.20E-05	NA	NA	4.01E-11	NC
Manganese	-4.50E-06	NA	NA	5.00E-02	9.00E-02	NC	-1.40E-05
Nickel	-1.59E-05	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-6.61E-10	-8.89E-05
Diesel PM	-3.35E+00	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-1.61E-04	-1.87E-01
					TOTAL	**-1.6E-04**	**-0.0638**

[1] Commercial Maximum Grid No. **173**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 2-7A
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 6, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
(Based on Peak Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	70 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	613200 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; REL = Reference Exposure Level; IUR = Inhalation Unit Risk; EC = Exposure Concentration; SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

		Toxicity Criteria				Cancer Risks				Hazard Quotients			
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Unit Risk $(ug/m^3)^{-1}$	CalEPA Inhalation Unit Risk $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to 30-year Resident	Cancer Risk to 70-year Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient 30-year Resident	Hazard Quotient 70-year Resident
Acetaldehyde	1.75E-02	2.20E-06	2.70E-06	9.00E+00	1.40E+02	3.89E-09	7.41E-10	1.94E-08	4.54E-08	1.20E-04	2.29E-05	1.20E-04	1.20E-04
Acrolein	1.01E-02	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	NC	2.77E-02	5.27E-03	2.77E-02	2.77E-02
Benzene	3.62E-03	7.80E-06	2.90E-05	3.00E+01	6.00E+01	8.63E-09	1.64E-09	4.31E-08	1.01E-07	5.79E-05	1.10E-05	5.79E-05	5.79E-05
1,3-Butadiene	6.31E-03	3.00E-05	1.70E-04	2.00E+00	2.00E+01	8.81E-08	1.68E-08	4.41E-07	1.03E-06	3.02E-04	5.76E-05	3.02E-04	3.02E-04
Ethylbenzene	-6.80E-04	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-1.40E-10	-2.66E-11	-6.98E-10	-1.63E-09	-3.26E-07	-6.21E-08	-3.26E-07	-3.26E-07
Formaldehyde	4.95E-02	1.30E-05	6.00E-06	9.80E+00	9.00E+00	2.44E-08	4.65E-09	1.22E-07	2.85E-07	5.28E-03	1.01E-03	5.28E-03	5.28E-03
Methyl alcohol	7.40E-03	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	NC	1.77E-06	3.38E-07	1.77E-06	1.77E-06
Methyl ethyl ketone	-2.73E-05	NA	NA	5.00E+03	NA	NC	NC	NC	NC	-5.24E-09	-9.97E-10	-5.24E-09	-5.24E-09
Naphthalene	2.20E-03	3.40E-05	3.40E-05	3.00E+00	9.00E+00	6.15E-09	1.17E-09	3.08E-08	7.18E-08	2.34E-04	4.47E-05	2.34E-04	2.34E-04
Hexane, n-	-2.01E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	NC	-2.76E-07	-5.25E-08	-2.76E-07	-2.76E-07
Phenol	3.04E-03	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	NC	1.46E-05	2.78E-06	1.46E-05	1.46E-05
Propylene	1.50E-02	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	NC	4.80E-06	9.14E-07	4.80E-06	4.80E-06
Styrene	1.13E-03	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	NC	1.20E-06	2.29E-07	1.20E-06	1.20E-06
Toluene	-4.90E-03	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	NC	-1.57E-05	-2.98E-06	-1.57E-05	-1.57E-05
Xylene (total)	-4.54E-03	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	NC	-6.21E-06	-1.18E-06	-6.21E-06	-6.21E-06
Chlorine	-5.32E-05	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	NC	-2.55E-04	-4.86E-05	-2.55E-04	-2.55E-04
Chromium (VI)	2.40E-07	1.20E-02	1.50E-01	1.00E-01	2.00E-01	2.96E-09	5.63E-10	1.48E-08	3.45E-08	1.15E-06	2.19E-07	1.15E-06	1.15E-06
Copper	6.15E-07	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC	NC
Lead	2.19E-06	NA	1.20E-05	NA	NA	2.16E-12	4.11E-13	1.08E-11	2.52E-11	NC	NC	NC	NC
Manganese	8.14E-07	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	NC	8.67E-06	1.65E-06	8.67E-06	8.67E-06
Nickel	-3.80E-07	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-8.13E-12	-1.55E-12	-4.06E-11	-9.48E-11	-7.29E-06	-1.39E-06	-7.29E-06	-7.29E-06
Diesel PM	-3.48E-02	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-8.58E-07	-1.63E-07	-4.29E-06	-1.00E-05	-6.67E-03	-1.27E-03	-6.67E-03	-6.67E-03
					TOTAL	**-7.2E-07**	**-1.4E-07**	**-3.6E-06**	**-8.4E-06**	**0.0267**	**0.0051**	**0.0267**	**0.0267**

[1] Residential Maximum Grid No. 28
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 2-7B
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 6, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
(Based on Peak Location of Residential Hazards[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	70 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	613200 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; REL = Reference Exposure Level; IUR = Inhalation Unit Risk; EC = Exposure Concentration; SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

		Toxicity Criteria				Cancer Risks				Hazard Quotients			
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfDi (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to 30-year Resident	Cancer Risk to 70-year Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient 30-year Resident	Hazard Quotient 70-year Resident
Acetaldehyde	2.28E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	5.05E-08	9.62E-09	2.53E-07	5.89E-07	1.56E-03	2.97E-04	1.56E-03	1.56E-03
Acrolein	1.30E-01	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	NC	3.56E-01	6.79E-02	3.56E-01	3.56E-01
Benzene	9.49E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	2.26E-07	4.31E-08	1.13E-06	2.64E-06	1.52E-03	2.89E-04	1.52E-03	1.52E-03
1,3-Butadiene	9.12E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	1.27E-06	2.43E-07	6.37E-06	1.49E-05	4.37E-03	8.33E-04	4.37E-03	4.37E-03
Ethylbenzene	1.00E-02	2.50E-06	2.50E-06	1.00E+03	2.00E+03	2.06E-09	3.93E-10	1.03E-08	2.41E-08	4.82E-06	9.17E-07	4.82E-06	4.82E-06
Formaldehyde	6.54E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	3.22E-07	6.14E-08	1.61E-06	3.76E-06	6.96E-02	1.33E-02	6.96E-02	6.96E-02
Methyl alcohol	9.62E-02	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	NC	2.31E-05	4.39E-06	2.31E-05	2.31E-05
Methyl ethyl ketone	1.10E-04	NA	NA	5.00E+03	NA	NC	NC	NC	NC	2.11E-08	4.03E-09	2.11E-08	2.11E-08
Naphthalene	2.89E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	8.08E-08	1.54E-08	4.04E-07	9.43E-07	3.08E-03	5.87E-04	3.08E-03	3.08E-03
Hexane, n-	-3.57E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	NC	-4.89E-07	-9.32E-08	-4.89E-07	-4.89E-07
Phenol	3.87E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	NC	1.86E-04	3.54E-05	1.86E-04	1.86E-04
Propylene	2.39E-01	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	NC	7.64E-05	1.46E-05	7.64E-05	7.64E-05
Styrene	1.66E-02	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	NC	1.77E-05	3.37E-06	1.77E-05	1.77E-05
Toluene	3.35E-02	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	NC	1.07E-04	2.04E-05	1.07E-04	1.07E-04
Xylene (total)	2.62E-02	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	NC	3.59E-05	6.84E-06	3.59E-05	3.59E-05
Chlorine	-1.93E-04	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	NC	-9.25E-04	-1.76E-04	-9.25E-04	-9.25E-04
Chromium (VI)	3.11E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	3.84E-08	7.31E-09	1.92E-07	4.48E-07	1.49E-05	2.84E-06	1.49E-05	1.49E-05
Copper	1.09E-05	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC	NC
Lead	2.69E-05	NA	1.20E-05	NA	NA	2.66E-11	5.06E-12	1.33E-10	3.10E-10	NC	NC	NC	NC
Manganese	1.33E-05	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	NC	1.42E-04	2.70E-05	1.42E-04	1.42E-04
Nickel	-1.38E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-2.94E-11	-5.61E-12	-1.47E-10	-3.44E-10	-2.64E-05	-5.03E-06	-2.64E-05	-2.64E-05
Diesel PM	-1.21E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-3.00E-06	-5.71E-07	-1.50E-05	-3.49E-05	-2.33E-02	-4.44E-03	-2.33E-02	-2.33E-02
					TOTAL	**-1.0E-06**	**-1.9E-07**	**-5.0E-06**	**-1.2E-05**	**0.41**	**0.079**	**0.41**	**0.41**

[1] Residential Maximum Grid No. 81
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 2-7C
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 6, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
(Based on Peak Location of Commercial Cancer Risks[1])

Exposure Parameters	**Adult Worker**	**RAGS F Equations**		
Exposure Time	10 (hrs/day)	EC = (CA x ET x EF x ED) / (AT)		
Exposure Frequency	245 (days/year)	Risk = IUR x EC		
Exposure Duration	40 (years)	HQ = EC / REL		
Averaging Time (non-carcinogenic)	350400 (hrs)	Where:	BW = Body Weight	REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200 (hrs)		IUR = Inhalation Unit Risk	EC = Exposure Concentration
			SFi = Inhalation Slope Factor	AT = Averaging Time (for cancer or non-cancer)

			Toxicity Criteria			**Cancer Risks**	**Hazard Quotients**
TAC	**Concentration at Location w/Maximum Risk (ug/m^3)**	**EPA Inhalation Slope Factor $(ug/m^3)^{-1}$**	**CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$**	**EPA RfC (ug/m^3)**	**CalEPA Proposed REL (ug/m^3)**	**Cancer Risk to Adult Worker**	**Hazard Quotient Adult Worker**
Acetaldehyde	1.79E-02	2.20E-06	2.70E-06	9.00E+00	1.40E+02	7.72E-09	3.57E-05
Acrolein	1.07E-02	NA	NA	2.00E-02	3.50E-01	NC	8.58E-03
Benzene	-1.11E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	-5.13E-08	-5.16E-05
1,3-Butadiene	3.50E-03	3.00E-05	1.70E-04	2.00E+00	2.00E+01	9.51E-08	4.89E-05
Ethylbenzene	-6.02E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-2.40E-09	-8.41E-07
Formaldehyde	4.90E-02	1.30E-05	6.00E-06	9.80E+00	9.00E+00	4.69E-08	1.52E-03
Methyl alcohol	7.51E-03	NA	NA	4.00E+03	4.00E+03	NC	5.25E-07
Methyl ethyl ketone	-1.94E-04	NA	NA	5.00E+03	NA	NC	-1.08E-08
Naphthalene	2.13E-03	3.40E-05	3.40E-05	3.00E+00	9.00E+00	1.16E-08	6.62E-05
Hexane, n-	-6.70E-03	NA	NA	7.00E+02	7.00E+03	NC	-2.68E-07
Phenol	3.28E-03	NA	NA	2.00E+02	2.00E+02	NC	4.59E-06
Propylene	4.67E-03	NA	NA	3.00E+03	3.00E+03	NC	4.35E-07
Styrene	5.97E-04	NA	NA	1.00E+03	9.00E+02	NC	1.86E-07
Toluene	-3.06E-02	NA	NA	5.00E+03	3.00E+02	NC	-2.86E-05
Xylene (total)	-2.82E-02	NA	NA	1.00E+02	7.00E+02	NC	-1.13E-05
Chlorine	-2.91E-04	NA	NA	1.50E-01	2.00E-01	NC	-4.06E-04
Chromium (VI)	3.56E-08	1.20E-02	1.50E-01	1.00E-01	2.00E-01	8.55E-10	4.99E-08
Copper	-1.54E-06	NA	NA	NA	NA	NC	NC
Lead	1.18E-06	NA	1.20E-05	NA	NA	2.26E-12	NC
Manganese	-1.43E-06	NA	NA	5.00E-02	9.00E-02	NC	-4.45E-06
Nickel	-2.08E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-8.62E-11	-1.16E-05
Diesel PM	-1.03E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-4.92E-06	-5.74E-03
					TOTAL	**-4.8E-06**	**0.0040**

[1] Commercial Maximum Grid No. **266** Note that this is not the same as the Peak Location of Commercial Hazards, Grid No. **236**

NA = Not Available **ug/m^3 = micrograms per cubic meter**

NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 2-7D
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 6, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
(Based on Peak Location of Commercial Hazards[1])

Exposure Parameters	Adult Worker	RAGS F Equations		
Exposure Time	10 (hrs/day)	EC = (CA x ET x EF x ED) / (AT)		
Exposure Frequency	245 (days/year)	Risk = IUR x EC		
Exposure Duration	40 (years)	HQ = EC / REL		
Averaging Time (non-carcinogenic)	350400 (hrs)	Where:	BW = Body Weight	REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200 (hrs)		IUR = Inhalation Unit Risk	EC = Exposure Concentration
			SFi = Inhalation Slope Factor	AT = Averaging Time (for cancer or non-canc

		Toxicity Criteria					Cancer Risks	Hazard Quotients
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)		Cancer Risk to Adult Worker	Hazard Quotient Adult Worker
Acetaldehyde	2.41E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02		1.04E-07	4.81E-04
Acrolein	1.40E-01	NA	NA	2.00E-02	3.50E-01		NC	1.12E-01
Benzene	4.30E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01		1.99E-07	2.00E-04
1,3-Butadiene	8.49E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01		2.31E-06	1.19E-03
Ethylbenzene	-9.35E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03		-3.73E-09	-1.31E-06
Formaldehyde	6.87E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00		6.59E-07	2.14E-02
Methyl alcohol	1.02E-01	NA	NA	4.00E+03	4.00E+03		NC	7.11E-06
Methyl ethyl ketone	-5.61E-04	NA	NA	5.00E+03	NA		NC	-3.14E-08
Naphthalene	3.01E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00		1.64E-07	9.36E-04
Hexane, n-	-1.85E-02	NA	NA	7.00E+02	7.00E+03		NC	-7.40E-07
Phenol	4.16E-02	NA	NA	2.00E+02	2.00E+02		NC	5.82E-05
Propylene	2.16E-01	NA	NA	3.00E+03	3.00E+03		NC	2.01E-05
Styrene	1.54E-02	NA	NA	1.00E+03	9.00E+02		NC	4.80E-06
Toluene	-5.79E-02	NA	NA	5.00E+03	3.00E+02		NC	-5.40E-05
Xylene (total)	-6.00E-02	NA	NA	1.00E+02	7.00E+02		NC	-2.40E-05
Chlorine	-3.93E-04	NA	NA	1.50E-01	2.00E-01		NC	-5.50E-04
Chromium (VI)	5.16E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01		1.24E-07	7.21E-06
Copper	1.76E-05	NA	NA	NA	NA		NC	NC
Lead	4.48E-05	NA	1.20E-05	NA	NA		8.60E-11	NC
Manganese	2.16E-05	NA	NA	5.00E-02	9.00E-02		NC	6.72E-05
Nickel	-2.81E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02		-1.17E-10	-1.57E-05
Diesel PM	-2.89E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00		-1.39E-05	-1.62E-02
						TOTAL	**-1.0E-05**	**0.1190**

[1] Commercial Maximum Grid No. **236** Note that this is not the same as the Peak Location of Commercial Cancer Risks, Grid No. **266**

NA = Not Available **ug/m^3 = micrograms per cubic meter**

NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 2-7E
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 6, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
(Based on Maximally Exposed Individuals Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	70 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	613200 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; REL = Reference Exposure Level; IUR = Inhalation Unit Risk; EC = Exposure Concentration; SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

		Toxicity Criteria				Cancer Risks				Hazard Quotients			
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Unit Risk $(ug/m^3)^{-1}$	CalEPA Inhalation Unit Risk $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to 30-year Resident	Cancer Risk to 70-year Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient 30-year Resident	Hazard Quotient 70-year Resident
Acetaldehyde	9.20E-02	2.20E-06	2.70E-06	9.00E+00	1.40E+02	2.04E-08	3.89E-09	1.02E-07	2.38E-07	6.30E-04	1.20E-04	6.30E-04	6.30E-04
Acrolein	5.51E-02	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	NC	1.51E-01	2.88E-02	1.51E-01	1.51E-01
Benzene	-4.66E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	-1.11E-07	-2.11E-08	-5.55E-07	-1.29E-06	-7.44E-04	-1.42E-04	-7.44E-04	-7.44E-04
1,3-Butadiene	1.99E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	2.78E-07	5.29E-08	1.39E-06	3.24E-06	9.53E-04	1.82E-04	9.53E-04	9.53E-04
Ethylbenzene	-2.62E-02	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-5.38E-09	-1.02E-09	-2.69E-08	-6.27E-08	-1.25E-05	-2.39E-06	-1.25E-05	-1.25E-05
Formaldehyde	2.56E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	1.26E-07	2.40E-08	6.31E-07	1.47E-06	2.73E-02	5.19E-03	2.73E-02	2.73E-02
Methyl alcohol	3.86E-02	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	NC	9.26E-06	1.76E-06	9.26E-06	9.26E-06
Methyl ethyl ketone	-9.26E-04	NA	NA	5.00E+03	NA	NC	NC	NC	NC	-1.77E-07	-3.38E-08	-1.77E-07	-1.77E-07
Naphthalene	1.10E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	3.07E-08	5.85E-09	1.54E-07	3.58E-07	1.17E-03	2.23E-04	1.17E-03	1.17E-03
Hexane, n-	-2.64E-02	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	NC	-3.62E-06	-6.90E-07	-3.62E-06	-3.62E-06
Phenol	1.66E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	NC	7.98E-05	1.52E-05	7.98E-05	7.98E-05
Propylene	3.74E-02	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	NC	1.20E-05	2.28E-06	1.20E-05	1.20E-05
Styrene	3.54E-03	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	NC	3.77E-06	7.18E-07	3.77E-06	3.77E-06
Toluene	-1.31E-01	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	NC	-4.17E-04	-7.95E-05	-4.17E-04	-4.17E-04
Xylene (total)	-1.23E-01	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	NC	-1.68E-04	-3.21E-05	-1.68E-04	-1.68E-04
Chlorine	-2.36E-04	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	NC	-1.13E-03	-2.15E-04	-1.13E-03	-1.13E-03
Chromium (VI)	1.72E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	2.12E-08	4.03E-09	1.06E-07	2.47E-07	8.24E-06	1.57E-06	8.24E-06	8.24E-06
Copper	5.25E-06	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC	NC
Lead	1.52E-05	NA	1.20E-05	NA	NA	1.50E-11	2.86E-12	7.52E-11	1.75E-10	NC	NC	NC	NC
Manganese	6.63E-06	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	NC	7.07E-05	1.35E-05	7.07E-05	7.07E-05
Nickel	-1.68E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-3.60E-11	-6.85E-12	-1.80E-10	-4.20E-10	-3.23E-05	-6.15E-06	-3.23E-05	-3.23E-05
Diesel PM	-4.34E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-1.07E-05	-2.04E-06	-5.35E-05	-1.25E-04	-8.32E-02	-1.59E-02	-8.32E-02	-8.32E-02
					TOTAL	**-1.0E-05**	**-2.0E-06**	**-5.2E-05**	**-1.2E-04**	**0.0955**	**0.0182**	**0.0955**	**0.0955**

[1] Residential Maximum Grid No. 297
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 2-7F
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 6, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
(Based on Maximally Exposed Individuals Location of Commercial Cancer Risks[1])

Exposure Parameters	Adult Worker	RAGS F Equations
Exposure Time	10 (hrs/day)	EC = (CA x ET x EF x ED) / (AT)
Exposure Frequency	245 (days/year)	Risk = IUR x EC
Exposure Duration	40 (years)	HQ = EC / REL
Averaging Time (non-carcinogenic)	350400 (hrs)	Where: BW = Body Weight; REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200 (hrs)	IUR = Inhalation Unit Risk; EC = Exposure Concentration
		SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

TAC	Concentration at Location w/Maximum Risk (ug/m^3)	Toxicity Criteria: EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risks: Cancer Risk to Adult Worker	Hazard Quotients: Hazard Quotient Adult Worker
Acetaldehyde	2.15E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	9.28E-08	4.29E-04
Acrolein	1.32E-01	NA	NA	2.00E-02	3.50E-01	NC	1.06E-01
Benzene	-4.32E-01	7.80E-06	2.90E-05	3.00E+01	6.00E+01	-2.00E-06	-2.01E-03
1,3-Butadiene	-1.29E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	-3.51E-07	-1.81E-04
Ethylbenzene	-2.03E-01	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-8.13E-08	-2.85E-05
Formaldehyde	4.90E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	4.70E-07	1.52E-02
Methyl alcohol	8.96E-02	NA	NA	4.00E+03	4.00E+03	NC	6.27E-06
Methyl ethyl ketone	-4.63E-03	NA	NA	5.00E+03	NA	NC	-2.59E-07
Naphthalene	2.41E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	1.31E-07	7.49E-04
Hexane, n-	-2.83E-01	NA	NA	7.00E+02	7.00E+03	NC	-1.13E-05
Phenol	4.54E-02	NA	NA	2.00E+02	2.00E+02	NC	6.35E-05
Propylene	-2.94E-01	NA	NA	3.00E+03	3.00E+03	NC	-2.74E-05
Styrene	-5.80E-03	NA	NA	1.00E+03	9.00E+02	NC	-1.80E-06
Toluene	-1.09E+00	NA	NA	5.00E+03	3.00E+02	NC	-1.02E-03
Xylene (total)	-9.42E-01	NA	NA	1.00E+02	7.00E+02	NC	-3.76E-04
Chlorine	-4.31E-03	NA	NA	1.50E-01	2.00E-01	NC	-6.03E-03
Chromium (VI)	8.06E-07	1.20E-02	1.50E-01	1.00E-01	2.00E-01	1.93E-08	1.13E-06
Copper	-2.18E-05	NA	NA	NA	NA	NC	NC
Lead	1.98E-05	NA	1.20E-05	NA	NA	3.81E-11	NC
Manganese	-2.00E-05	NA	NA	5.00E-02	9.00E-02	NC	-6.20E-05
Nickel	-3.08E-05	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-1.28E-09	-1.72E-04
Diesel PM	-3.39E+00	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-1.62E-04	-1.89E-01
					TOTAL	**-1.6E-04**	**-0.0769**

[1] Commercial Maximum Grid No. **173**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 2-8A
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 6, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Maximum Range
(Based on Peak Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	70 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	613200 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; REL = Reference Exposure Level; IUR = Inhalation Unit Risk; EC = Exposure Concentration; SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

		Toxicity Criteria				Cancer Risks				Hazard Quotients			
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Unit Risk $(ug/m^3)^{-1}$	CalEPA Inhalation Unit Risk $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to 30-year Resident	Cancer Risk to 70-year Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient 30-year Resident	Hazard Quotient 70-year Resident
Acetaldehyde	1.75E-02	2.20E-06	2.70E-06	9.00E+00	1.40E+02	3.89E-09	7.42E-10	1.95E-08	4.54E-08	1.20E-04	2.29E-05	1.20E-04	1.20E-04
Acrolein	1.01E-02	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	NC	2.77E-02	5.27E-03	2.77E-02	2.77E-02
Benzene	3.86E-03	7.80E-06	2.90E-05	3.00E+01	6.00E+01	9.21E-09	1.75E-09	4.60E-08	1.07E-07	6.17E-05	1.18E-05	6.17E-05	6.17E-05
1,3-Butadiene	6.36E-03	3.00E-05	1.70E-04	2.00E+00	2.00E+01	8.89E-08	1.69E-08	4.44E-07	1.04E-06	3.05E-04	5.81E-05	3.05E-04	3.05E-04
Ethylbenzene	-5.77E-04	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-1.19E-10	-2.26E-11	-5.93E-10	-1.38E-09	-2.77E-07	-5.27E-08	-2.77E-07	-2.77E-07
Formaldehyde	4.97E-02	1.30E-05	6.00E-06	9.80E+00	9.00E+00	2.45E-08	4.67E-09	1.23E-07	2.86E-07	5.29E-03	1.01E-03	5.29E-03	5.29E-03
Methyl alcohol	7.41E-03	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	NC	1.78E-06	3.38E-07	1.78E-06	1.78E-06
Methyl ethyl ketone	-2.55E-05	NA	NA	5.00E+03	NA	NC	NC	NC	NC	-4.89E-09	-9.32E-10	-4.89E-09	-4.89E-09
Naphthalene	2.21E-03	3.40E-05	3.40E-05	3.00E+00	9.00E+00	6.16E-09	1.17E-09	3.08E-08	7.19E-08	2.35E-04	4.48E-05	2.35E-04	2.35E-04
Hexane, n-	-1.85E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	NC	-2.54E-07	-4.84E-08	-2.54E-07	-2.54E-07
Phenol	3.04E-03	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	NC	1.46E-05	2.78E-06	1.46E-05	1.46E-05
Propylene	1.53E-02	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	NC	4.90E-06	9.33E-07	4.90E-06	4.90E-06
Styrene	1.14E-03	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	NC	1.22E-06	2.31E-07	1.22E-06	1.22E-06
Toluene	-4.34E-03	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	NC	-1.39E-05	-2.64E-06	-1.39E-05	-1.39E-05
Xylene (total)	-4.06E-03	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	NC	-5.57E-06	-1.06E-06	-5.57E-06	-5.57E-06
Chlorine	-2.35E-05	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	NC	-1.13E-04	-2.14E-05	-1.13E-04	-1.13E-04
Chromium (VI)	2.50E-07	1.20E-02	1.50E-01	1.00E-01	2.00E-01	3.09E-09	5.88E-10	1.54E-08	3.60E-08	1.20E-06	2.29E-07	1.20E-06	1.20E-06
Copper	8.28E-07	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC	NC
Lead	2.19E-06	NA	1.20E-05	NA	NA	2.16E-12	4.11E-13	1.08E-11	2.52E-11	NC	NC	NC	NC
Manganese	1.03E-06	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	NC	1.09E-05	2.08E-06	1.09E-05	1.09E-05
Nickel	-1.68E-07	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-3.58E-12	-6.82E-13	-1.79E-11	-4.18E-11	-3.21E-06	-6.12E-07	-3.21E-06	-3.21E-06
Diesel PM	-3.44E-02	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-8.49E-07	-1.62E-07	-4.25E-06	-9.91E-06	-6.61E-03	-1.26E-03	-6.61E-03	-6.61E-03
					TOTAL	**-7.1E-07**	**-1.4E-07**	**-3.6E-06**	**-8.3E-06**	**0.0270**	**0.0051**	**0.0270**	**0.0270**

[1] Residential Maximum Grid No. 28
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 2-8B
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 6, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Maximum Range
(Based on Peak Location of Residential Hazards[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	70 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	613200 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; REL = Reference Exposure Level; IUR = Inhalation Unit Risk; EC = Exposure Concentration; SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

		Toxicity Criteria				Cancer Risks				Hazard Quotients			
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfDi (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to 30-year Resident	Cancer Risk to 70-year Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient 30-year Resident	Hazard Quotient 70-year Resident
Acetaldehyde	2.28E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	5.06E-08	9.63E-09	2.53E-07	5.90E-07	1.56E-03	2.97E-04	1.56E-03	1.56E-03
Acrolein	1.30E-01	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	NC	3.57E-01	6.79E-02	3.57E-01	3.57E-01
Benzene	9.58E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	2.28E-07	4.35E-08	1.14E-06	2.66E-06	1.53E-03	2.92E-04	1.53E-03	1.53E-03
1,3-Butadiene	9.14E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	1.28E-06	2.43E-07	6.38E-06	1.49E-05	4.38E-03	8.35E-04	4.38E-03	4.38E-03
Ethylbenzene	1.04E-02	2.50E-06	2.50E-06	1.00E+03	2.00E+03	2.14E-09	4.08E-10	1.07E-08	2.50E-08	5.00E-06	9.52E-07	5.00E-06	5.00E-06
Formaldehyde	6.54E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	3.23E-07	6.14E-08	1.61E-06	3.76E-06	6.97E-02	1.33E-02	6.97E-02	6.97E-02
Methyl alcohol	9.63E-02	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	NC	2.31E-05	4.40E-06	2.31E-05	2.31E-05
Methyl ethyl ketone	1.17E-04	NA	NA	5.00E+03	NA	NC	NC	NC	NC	2.24E-08	4.27E-09	2.24E-08	2.24E-08
Naphthalene	2.89E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	8.09E-08	1.54E-08	4.04E-07	9.43E-07	3.08E-03	5.87E-04	3.08E-03	3.08E-03
Hexane, n-	-2.99E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	NC	-4.10E-07	-7.80E-08	-4.10E-07	-4.10E-07
Phenol	3.87E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	NC	1.86E-04	3.54E-05	1.86E-04	1.86E-04
Propylene	2.40E-01	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	NC	7.67E-05	1.46E-05	7.67E-05	7.67E-05
Styrene	1.66E-02	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	NC	1.77E-05	3.37E-06	1.77E-05	1.77E-05
Toluene	3.56E-02	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	NC	1.14E-04	2.17E-05	1.14E-04	1.14E-04
Xylene (total)	2.79E-02	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	NC	3.83E-05	7.29E-06	3.83E-05	3.83E-05
Chlorine	-8.22E-05	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	NC	-3.94E-04	-7.51E-05	-3.94E-04	-3.94E-04
Chromium (VI)	3.15E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	3.89E-08	7.40E-09	1.94E-07	4.53E-07	1.51E-05	2.88E-06	1.51E-05	1.51E-05
Copper	1.16E-05	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC	NC
Lead	2.69E-05	NA	1.20E-05	NA	NA	2.66E-11	5.06E-12	1.33E-10	3.10E-10	NC	NC	NC	NC
Manganese	1.41E-05	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	NC	1.50E-04	2.86E-05	1.50E-04	1.50E-04
Nickel	-5.87E-07	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-1.25E-11	-2.39E-12	-6.27E-11	-1.46E-10	-1.13E-05	-2.14E-06	-1.13E-05	-1.13E-05
Diesel PM	-1.20E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-2.97E-06	-5.66E-07	-1.48E-05	-3.46E-05	-2.31E-02	-4.40E-03	-2.31E-02	-2.31E-02
					TOTAL	**-9.7E-07**	**-1.8E-07**	**-4.8E-06**	**-1.1E-05**	**0.41**	**0.079**	**0.41**	**0.41**

[1] Residential Maximum Grid No. 81
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 2-8C
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 6, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Maximum Range
(Based on Peak Location of Commercial Cancer Risks[1])

Exposure Parameters	Adult Worker	RAGS F Equations		
Exposure Time	10 (hrs/day)	EC = (CA x ET x EF x ED) / (AT)		
Exposure Frequency	245 (days/year)	Risk = IUR x EC		
Exposure Duration	40 (years)	HQ = EC / REL		
Averaging Time (non-carcinogenic)	350400 (hrs)	Where:	BW = Body Weight	REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200 (hrs)		IUR = Inhalation Unit Risk	EC = Exposure Concentration
			SFi = Inhalation Slope Factor	AT = Averaging Time (for cancer or non-cancer)

		Toxicity Criteria					Cancer Risks	Hazard Quotients
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)		Cancer Risk to Adult Worker	Hazard Quotient Adult Worker
Acetaldehyde	1.79E-02	2.20E-06	2.70E-06	9.00E+00	1.40E+02		7.73E-09	3.58E-05
Acrolein	1.08E-02	NA	NA	2.00E-02	3.50E-01		NC	8.59E-03
Benzene	-1.08E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01		-4.99E-08	-5.02E-05
1,3-Butadiene	3.57E-03	3.00E-05	1.70E-04	2.00E+00	2.00E+01		9.69E-08	4.99E-05
Ethylbenzene	-5.89E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03		-2.35E-09	-8.23E-07
Formaldehyde	4.92E-02	1.30E-05	6.00E-06	9.80E+00	9.00E+00		4.71E-08	1.53E-03
Methyl alcohol	7.52E-03	NA	NA	4.00E+03	4.00E+03		NC	5.26E-07
Methyl ethyl ketone	-1.91E-04	NA	NA	5.00E+03	NA		NC	-1.07E-08
Naphthalene	2.14E-03	3.40E-05	3.40E-05	3.00E+00	9.00E+00		1.16E-08	6.64E-05
Hexane, n-	-6.50E-03	NA	NA	7.00E+02	7.00E+03		NC	-2.60E-07
Phenol	3.28E-03	NA	NA	2.00E+02	2.00E+02		NC	4.59E-06
Propylene	5.05E-03	NA	NA	3.00E+03	3.00E+03		NC	4.70E-07
Styrene	6.12E-04	NA	NA	1.00E+03	9.00E+02		NC	1.90E-07
Toluene	-2.99E-02	NA	NA	5.00E+03	3.00E+02		NC	-2.79E-05
Xylene (total)	-2.76E-02	NA	NA	1.00E+02	7.00E+02		NC	-1.10E-05
Chlorine	-2.55E-04	NA	NA	1.50E-01	2.00E-01		NC	-3.56E-04
Chromium (VI)	4.84E-08	1.20E-02	1.50E-01	1.00E-01	2.00E-01		1.16E-09	6.77E-08
Copper	-1.28E-06	NA	NA	NA	NA		NC	NC
Lead	1.18E-06	NA	1.20E-05	NA	NA		2.26E-12	NC
Manganese	-1.18E-06	NA	NA	5.00E-02	9.00E-02		NC	-3.66E-06
Nickel	-1.82E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02		-7.56E-11	-1.02E-05
Diesel PM	-1.02E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00		-4.90E-06	-5.71E-03
						TOTAL	**-4.8E-06**	**0.0041**

[1] Commercial Maximum Grid No. **266** Note that this is not the same as the Peak Location of Commercial Hazards, Grid No. **236**

NA = Not Available **ug/m^3 = micrograms per cubic meter**

NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 2-8D
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 6, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Maximum Range
(Based on Peak Location of Commercial Hazards[1])

Exposure Parameters	Adult Worker	RAGS F Equations		
Exposure Time	10 (hrs/day)	EC = (CA x ET x EF x ED) / (AT)		
Exposure Frequency	245 (days/year)	Risk = IUR x EC		
Exposure Duration	40 (years)	HQ = EC / REL		
Averaging Time (non-carcinogenic)	350400 (hrs)	Where:	BW = Body Weight	REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200 (hrs)		IUR = Inhalation Unit Risk	EC = Exposure Concentration
			SFi = Inhalation Slope Factor	AT = Averaging Time (for cancer or non-cancer)

		Toxicity Criteria					Cancer Risks	Hazard Quotients
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)		Cancer Risk to Adult Worker	Hazard Quotient Adult Worker
Acetaldehyde	2.41E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02		1.04E-07	4.82E-04
Acrolein	1.40E-01	NA	NA	2.00E-02	3.50E-01		NC	1.12E-01
Benzene	4.43E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01		2.05E-07	2.07E-04
1,3-Butadiene	8.52E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01		2.32E-06	1.19E-03
Ethylbenzene	-8.78E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03		-3.51E-09	-1.23E-06
Formaldehyde	6.88E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00		6.60E-07	2.14E-02
Methyl alcohol	1.02E-01	NA	NA	4.00E+03	4.00E+03		NC	7.11E-06
Methyl ethyl ketone	-5.51E-04	NA	NA	5.00E+03	NA		NC	-3.08E-08
Naphthalene	3.01E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00		1.64E-07	9.37E-04
Hexane, n-	-1.77E-02	NA	NA	7.00E+02	7.00E+03		NC	-7.05E-07
Phenol	4.16E-02	NA	NA	2.00E+02	2.00E+02		NC	5.82E-05
Propylene	2.17E-01	NA	NA	3.00E+03	3.00E+03		NC	2.03E-05
Styrene	1.55E-02	NA	NA	1.00E+03	9.00E+02		NC	4.82E-06
Toluene	-5.48E-02	NA	NA	5.00E+03	3.00E+02		NC	-5.11E-05
Xylene (total)	-5.74E-02	NA	NA	1.00E+02	7.00E+02		NC	-2.29E-05
Chlorine	-2.37E-04	NA	NA	1.50E-01	2.00E-01		NC	-3.31E-04
Chromium (VI)	5.21E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01		1.25E-07	7.29E-06
Copper	1.87E-05	NA	NA	NA	NA		NC	NC
Lead	4.48E-05	NA	1.20E-05	NA	NA		8.60E-11	NC
Manganese	2.28E-05	NA	NA	5.00E-02	9.00E-02		NC	7.07E-05
Nickel	-1.69E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02		-7.03E-11	-9.47E-06
Diesel PM	-2.86E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00		-1.37E-05	-1.60E-02
						TOTAL	**-1.0E-05**	**0.1195**

[1] Commercial Maximum Grid No. **236**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 2-8E
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 6, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Maximum Range
(Based on Maximally Exposed Individuals Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	70 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	613200 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; REL = Reference Exposure Level; IUR = Inhalation Unit Risk; EC = Exposure Concentration; SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

		Toxicity Criteria				Cancer Risks				Hazard Quotients			
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Unit Risk $(ug/m^3)^{-1}$	CalEPA Inhalation Unit Risk $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to 30-year Resident	Cancer Risk to 70-year Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient 30-year Resident	Hazard Quotient 70-year Resident
Acetaldehyde	1.33E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	2.95E-08	5.62E-09	1.48E-07	3.44E-07	9.11E-04	1.73E-04	9.11E-04	9.11E-04
Acrolein	7.81E-02	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	NC	2.14E-01	4.08E-02	2.14E-01	2.14E-01
Benzene	-6.35E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	-1.51E-07	-2.88E-08	-7.57E-07	-1.77E-06	-1.02E-03	-1.93E-04	-1.02E-03	-1.02E-03
1,3-Butadiene	3.07E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	4.29E-07	8.17E-08	2.14E-06	5.00E-06	1.47E-03	2.80E-04	1.47E-03	1.47E-03
Ethylbenzene	-4.29E-02	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-8.82E-09	-1.68E-09	-4.41E-08	-1.03E-07	-2.06E-05	-3.92E-06	-2.06E-05	-2.06E-05
Formaldehyde	3.52E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	1.74E-07	3.31E-08	8.68E-07	2.03E-06	3.75E-02	7.15E-03	3.75E-02	3.75E-02
Methyl alcohol	5.59E-02	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	NC	1.34E-05	2.55E-06	1.34E-05	1.34E-05
Methyl ethyl ketone	-1.01E-03	NA	NA	5.00E+03	NA	NC	NC	NC	NC	-1.93E-07	-3.68E-08	-1.93E-07	-1.93E-07
Naphthalene	1.62E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	4.52E-08	8.60E-09	2.26E-07	5.27E-07	1.72E-03	3.28E-04	1.72E-03	1.72E-03
Hexane, n-	-6.67E-02	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	NC	-9.14E-06	-1.74E-06	-9.14E-06	-9.14E-06
Phenol	2.47E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	NC	1.18E-04	2.25E-05	1.18E-04	1.18E-04
Propylene	1.99E-02	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	NC	6.37E-06	1.21E-06	6.37E-06	6.37E-06
Styrene	4.77E-03	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	NC	5.08E-06	9.69E-07	5.08E-06	5.08E-06
Toluene	-2.38E-01	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	NC	-7.61E-04	-1.45E-04	-7.61E-04	-7.61E-04
Xylene (total)	-2.06E-01	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	NC	-2.83E-04	-5.38E-05	-2.83E-04	-2.83E-04
Chlorine	-3.64E-03	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	NC	-1.75E-02	-3.33E-03	-1.75E-02	-1.75E-02
Chromium (VI)	1.02E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	1.26E-08	2.39E-09	6.28E-08	1.46E-07	4.88E-06	9.30E-07	4.88E-06	4.88E-06
Copper	-1.71E-05	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC	NC
Lead	1.96E-05	NA	1.20E-05	NA	NA	1.94E-11	3.69E-12	9.68E-11	2.26E-10	NC	NC	NC	NC
Manganese	-1.53E-05	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	NC	-1.63E-04	-3.11E-05	-1.63E-04	-1.63E-04
Nickel	-2.60E-05	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-5.56E-10	-1.06E-10	-2.78E-09	-6.48E-09	-4.99E-04	-9.50E-05	-4.99E-04	-4.99E-04
Diesel PM	-1.57E+00	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-3.87E-05	-7.36E-06	-1.93E-04	-4.51E-04	-3.01E-01	-5.73E-02	-3.01E-01	-3.01E-01
					TOTAL	**-3.8E-05**	**-7.3E-06**	**-1.9E-04**	**-4.4E-04**	**-0.0651**	**-0.0124**	**-0.0651**	**-0.0651**

[1] Residential Maximum Grid No. 141
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 2-8F
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 6, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Maximum Range
(Based on Maximally Exposed IndividualsLocation of Commercial Cancer Risks[1])

Exposure Parameters	Adult Worker	RAGS F Equations		
Exposure Time	10 (hrs/day)	EC = (CA x ET x EF x ED) / (AT)		
Exposure Frequency	245 (days/year)	Risk = IUR x EC		
Exposure Duration	40 (years)	HQ = EC / REL		
Averaging Time (non-carcinogenic)	350400 (hrs)	Where:	BW = Body Weight	REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200 (hrs)		IUR = Inhalation Unit Risk	EC = Exposure Concentration
			SFi = Inhalation Slope Factor	AT = Averaging Time (for cancer or non-cancer)

		Toxicity Criteria					Cancer Risks	Hazard Quotients
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)		Cancer Risk to Adult Worker	Hazard Quotient Adult Worker
Acetaldehyde	2.17E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02		9.37E-08	4.34E-04
Acrolein	1.33E-01	NA	NA	2.00E-02	3.50E-01		NC	1.07E-01
Benzene	-4.13E-01	7.80E-06	2.90E-05	3.00E+01	6.00E+01		-1.91E-06	-1.92E-03
1,3-Butadiene	-8.78E-03	3.00E-05	1.70E-04	2.00E+00	2.00E+01		-2.39E-07	-1.23E-04
Ethylbenzene	-1.95E-01	2.50E-06	2.50E-06	1.00E+03	2.00E+03		-7.81E-08	-2.73E-05
Formaldehyde	5.02E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00		4.82E-07	1.56E-02
Methyl alcohol	9.06E-02	NA	NA	4.00E+03	4.00E+03		NC	6.33E-06
Methyl ethyl ketone	-4.50E-03	NA	NA	5.00E+03	NA		NC	-2.51E-07
Naphthalene	2.45E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00		1.33E-07	7.60E-04
Hexane, n-	-2.71E-01	NA	NA	7.00E+02	7.00E+03		NC	-1.08E-05
Phenol	4.54E-02	NA	NA	2.00E+02	2.00E+02		NC	6.35E-05
Propylene	-2.70E-01	NA	NA	3.00E+03	3.00E+03		NC	-2.52E-05
Styrene	-4.87E-03	NA	NA	1.00E+03	9.00E+02		NC	-1.51E-06
Toluene	-1.05E+00	NA	NA	5.00E+03	3.00E+02		NC	-9.76E-04
Xylene (total)	-9.06E-01	NA	NA	1.00E+02	7.00E+02		NC	-3.62E-04
Chlorine	-2.23E-03	NA	NA	1.50E-01	2.00E-01		NC	-3.11E-03
Chromium (VI)	1.55E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01		3.72E-08	2.17E-06
Copper	-6.88E-06	NA	NA	NA	NA		NC	NC
Lead	1.98E-05	NA	1.20E-05	NA	NA		3.81E-11	NC
Manganese	-5.07E-06	NA	NA	5.00E-02	9.00E-02		NC	-1.58E-05
Nickel	-1.59E-05	2.40E-04	2.60E-04	5.00E-02	5.00E-02		-6.61E-10	-8.89E-05
Diesel PM	-3.35E+00	3.00E-04	3.00E-04	5.00E+00	5.00E+00		-1.61E-04	-1.87E-01
						TOTAL	**-1.6E-04**	**-0.0705**

[1] Commercial Maximum Grid No. **173**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 2-9A
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 7, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
(Based on Peak Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	70 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	613200 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; REL = Reference Exposure Level; IUR = Inhalation Unit Risk; EC = Exposure Concentration; SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

		Toxicity Criteria				Cancer Risks				Hazard Quotients			
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Unit Risk $(ug/m^3)^{-1}$	CalEPA Inhalation Unit Risk $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to 30-year Resident	Cancer Risk to 70-year Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient 30-year Resident	Hazard Quotient 70-year Resident
Acetaldehyde	1.92E-02	2.20E-06	2.70E-06	9.00E+00	1.40E+02	4.26E-09	8.11E-10	2.13E-08	4.97E-08	1.31E-04	2.50E-05	1.31E-04	1.31E-04
Acrolein	1.11E-02	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	NC	3.03E-02	5.77E-03	3.03E-02	3.03E-02
Benzene	4.18E-03	7.80E-06	2.90E-05	3.00E+01	6.00E+01	9.96E-09	1.90E-09	4.98E-08	1.16E-07	6.68E-05	1.27E-05	6.68E-05	6.68E-05
1,3-Butadiene	6.95E-03	3.00E-05	1.70E-04	2.00E+00	2.00E+01	9.71E-08	1.85E-08	4.85E-07	1.13E-06	3.33E-04	6.34E-05	3.33E-04	3.33E-04
Ethylbenzene	-6.46E-04	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-1.33E-10	-2.53E-11	-6.63E-10	-1.55E-09	-3.10E-07	-5.90E-08	-3.10E-07	-3.10E-07
Formaldehyde	5.43E-02	1.30E-05	6.00E-06	9.80E+00	9.00E+00	2.68E-08	5.10E-09	1.34E-07	3.13E-07	5.79E-03	1.10E-03	5.79E-03	5.79E-03
Methyl alcohol	8.10E-03	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	NC	1.94E-06	3.70E-07	1.94E-06	1.94E-06
Methyl ethyl ketone	-2.85E-05	NA	NA	5.00E+03	NA	NC	NC	NC	NC	-5.47E-09	-1.04E-09	-5.47E-09	-5.47E-09
Naphthalene	2.41E-03	3.40E-05	3.40E-05	3.00E+00	9.00E+00	6.74E-09	1.28E-09	3.37E-08	7.86E-08	2.57E-04	4.89E-05	2.57E-04	2.57E-04
Hexane, n-	-2.03E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	NC	-2.79E-07	-5.31E-08	-2.79E-07	-2.79E-07
Phenol	3.32E-03	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	NC	1.59E-05	3.03E-06	1.59E-05	1.59E-05
Propylene	1.67E-02	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	NC	5.35E-06	1.02E-06	5.35E-06	5.35E-06
Styrene	1.25E-03	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	NC	1.33E-06	2.53E-07	1.33E-06	1.33E-06
Toluene	-4.81E-03	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	NC	-1.54E-05	-2.93E-06	-1.54E-05	-1.54E-05
Xylene (total)	-4.51E-03	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	NC	-6.18E-06	-1.18E-06	-6.18E-06	-6.18E-06
Chlorine	-5.32E-05	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	NC	-2.55E-04	-4.86E-05	-2.55E-04	-2.55E-04
Chromium (VI)	2.58E-07	1.20E-02	1.50E-01	1.00E-01	2.00E-01	3.18E-09	6.05E-10	1.59E-08	3.71E-08	1.24E-06	2.35E-07	1.24E-06	1.24E-06
Copper	6.84E-07	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC	NC
Lead	2.34E-06	NA	1.20E-05	NA	NA	2.31E-12	4.40E-13	1.15E-11	2.69E-11	NC	NC	NC	NC
Manganese	8.97E-07	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	NC	9.55E-06	1.82E-06	9.55E-06	9.55E-06
Nickel	-3.80E-07	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-8.13E-12	-1.55E-12	-4.06E-11	-9.48E-11	-7.29E-06	-1.39E-06	-7.29E-06	-7.29E-06
Diesel PM	-3.51E-02	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-8.66E-07	-1.65E-07	-4.33E-06	-1.01E-05	-6.73E-03	-1.28E-03	-6.73E-03	-6.73E-03
					TOTAL	**-7.2E-07**	**-1.4E-07**	**-3.6E-06**	**-8.4E-06**	**0.0299**	**0.0057**	**0.0299**	**0.0299**

[1] Residential Maximum Grid No. 28
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 2-9B
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 7, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
(Based on Peak Location of Residential Hazards[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	70 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	613200 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; REL = Reference Exposure Level; IUR = Inhalation Unit Risk; EC = Exposure Concentration; SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

	Toxicity Criteria					Cancer Risks				Hazard Quotients			
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfDi (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to 30-year Resident	Cancer Risk to 70-year Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient 30-year Resident	Hazard Quotient 70-year Resident
Acetaldehyde	2.19E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	4.85E-08	9.24E-09	2.43E-07	5.66E-07	1.50E-03	2.85E-04	1.50E-03	1.50E-03
Acrolein	1.25E-01	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	NC	3.42E-01	6.52E-02	3.42E-01	3.42E-01
Benzene	8.97E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	2.14E-07	4.07E-08	1.07E-06	2.49E-06	1.43E-03	2.73E-04	1.43E-03	1.43E-03
1,3-Butadiene	8.73E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	1.22E-06	2.32E-07	6.10E-06	1.42E-05	4.18E-03	7.97E-04	4.18E-03	4.18E-03
Ethylbenzene	9.11E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	1.87E-09	3.57E-10	9.36E-09	2.18E-08	4.37E-06	8.32E-07	4.37E-06	4.37E-06
Formaldehyde	6.27E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	3.09E-07	5.89E-08	1.55E-06	3.61E-06	6.68E-02	1.27E-02	6.68E-02	6.68E-02
Methyl alcohol	9.24E-02	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	NC	2.21E-05	4.22E-06	2.21E-05	2.21E-05
Methyl ethyl ketone	9.03E-05	NA	NA	5.00E+03	NA	NC	NC	NC	NC	1.73E-08	3.30E-09	1.73E-08	1.73E-08
Naphthalene	2.78E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	7.76E-08	1.48E-08	3.88E-07	9.05E-07	2.96E-03	5.63E-04	2.96E-03	2.96E-03
Hexane, n-	-3.94E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	NC	-5.40E-07	-1.03E-07	-5.40E-07	-5.40E-07
Phenol	3.72E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	NC	1.78E-04	3.40E-05	1.78E-04	1.78E-04
Propylene	2.28E-01	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	NC	7.30E-05	1.39E-05	7.30E-05	7.30E-05
Styrene	1.59E-02	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	NC	1.69E-05	3.22E-06	1.69E-05	1.69E-05
Toluene	2.96E-02	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	NC	9.46E-05	1.80E-05	9.46E-05	9.46E-05
Xylene (total)	2.28E-02	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	NC	3.12E-05	5.95E-06	3.12E-05	3.12E-05
Chlorine	-1.93E-04	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	NC	-9.25E-04	-1.76E-04	-9.25E-04	-9.25E-04
Chromium (VI)	2.91E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	3.59E-08	6.84E-09	1.80E-07	4.19E-07	1.40E-05	2.66E-06	1.40E-05	1.40E-05
Copper	1.01E-05	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC	NC
Lead	2.52E-05	NA	1.20E-05	NA	NA	2.49E-11	4.74E-12	1.24E-10	2.90E-10	NC	NC	NC	NC
Manganese	1.24E-05	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	NC	1.32E-04	2.51E-05	1.32E-04	1.32E-04
Nickel	-1.38E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-2.94E-11	-5.61E-12	-1.47E-10	-3.44E-10	-2.64E-05	-5.03E-06	-2.64E-05	-2.64E-05
Diesel PM	-1.24E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-3.05E-06	-5.81E-07	-1.52E-05	-3.56E-05	-2.37E-02	-4.52E-03	-2.37E-02	-2.37E-02
					TOTAL	**-1.1E-06**	**-2.2E-07**	**-5.7E-06**	**-1.3E-05**	**0.40**	**0.075**	**0.40**	**0.40**

[1] Residential Maximum Grid No. 81
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 2-9C
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 7, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
(Based on Peak Location of Commercial Cancer Risks[1])

Exposure Parameters	Adult Worker	RAGS F Equations		
Exposure Time	10 (hrs/day)	EC = (CA x ET x EF x ED) / (AT)		
Exposure Frequency	245 (days/year)	Risk = IUR x EC		
Exposure Duration	40 (years)	HQ = EC / REL		
Averaging Time (non-carcinogenic)	350400 (hrs)	Where:	BW = Body Weight	REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200 (hrs)		IUR = Inhalation Unit Risk	EC = Exposure Concentration
			SFi = Inhalation Slope Factor	AT = Averaging Time (for cancer or non-canc

		Toxicity Criteria					Cancer Risks	Hazard Quotients
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)		Cancer Risk to Adult Worker	Hazard Quotient Adult Worker
Acetaldehyde	1.92E-02	2.20E-06	2.70E-06	9.00E+00	1.40E+02		8.27E-09	3.83E-05
Acrolein	1.15E-02	NA	NA	2.00E-02	3.50E-01		NC	9.16E-03
Benzene	-1.05E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01		-4.87E-08	-4.90E-05
1,3-Butadiene	4.02E-03	3.00E-05	1.70E-04	2.00E+00	2.00E+01		1.09E-07	5.62E-05
Ethylbenzene	-5.94E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03		-2.37E-09	-8.31E-07
Formaldehyde	5.26E-02	1.30E-05	6.00E-06	9.80E+00	9.00E+00		5.05E-08	1.64E-03
Methyl alcohol	8.04E-03	NA	NA	4.00E+03	4.00E+03		NC	5.62E-07
Methyl ethyl ketone	-1.93E-04	NA	NA	5.00E+03	NA		NC	-1.08E-08
Naphthalene	2.29E-03	3.40E-05	3.40E-05	3.00E+00	9.00E+00		1.24E-08	7.12E-05
Hexane, n-	-6.69E-03	NA	NA	7.00E+02	7.00E+03		NC	-2.67E-07
Phenol	3.50E-03	NA	NA	2.00E+02	2.00E+02		NC	4.89E-06
Propylene	6.06E-03	NA	NA	3.00E+03	3.00E+03		NC	5.65E-07
Styrene	6.91E-04	NA	NA	1.00E+03	9.00E+02		NC	2.15E-07
Toluene	-3.03E-02	NA	NA	5.00E+03	3.00E+02		NC	-2.83E-05
Xylene (total)	-2.80E-02	NA	NA	1.00E+02	7.00E+02		NC	-1.12E-05
Chlorine	-2.91E-04	NA	NA	1.50E-01	2.00E-01		NC	-4.06E-04
Chromium (VI)	5.04E-08	1.20E-02	1.50E-01	1.00E-01	2.00E-01		1.21E-09	7.05E-08
Copper	-1.48E-06	NA	NA	NA	NA		NC	NC
Lead	1.30E-06	NA	1.20E-05	NA	NA		2.50E-12	NC
Manganese	-1.36E-06	NA	NA	5.00E-02	9.00E-02		NC	-4.24E-06
Nickel	-2.08E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02		-8.62E-11	-1.16E-05
Diesel PM	-1.03E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00		-4.92E-06	-5.74E-03
						TOTAL	**-4.8E-06**	**0.0047**

[1] Commercial Maximum Grid No. **266** Note that this is not the same as the Peak Location of Commercial Hazards, Grid No. **236**

NA = Not Available **ug/m^3 = micrograms per cubic meter**

NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 2-9D
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 7, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
(Based on Peak Location of Commercial Hazards[1])

Exposure Parameters	Adult Worker	RAGS F Equations		
Exposure Time	10 (hrs/day)	EC = (CA x ET x EF x ED) / (AT)		
Exposure Frequency	245 (days/year)	Risk = IUR x EC		
Exposure Duration	40 (years)	HQ = EC / REL		
Averaging Time (non-carcinogenic)	350400 (hrs)	Where:	BW = Body Weight	REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200 (hrs)		IUR = Inhalation Unit Risk	EC = Exposure Concentration
			SFi = Inhalation Slope Factor	AT = Averaging Time (for cancer or non-canc

TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risks: Cancer Risk to Adult Worker	Hazard Quotients: Hazard Quotient Adult Worker
		Toxicity Criteria					
Acetaldehyde	2.51E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	1.08E-07	5.01E-04
Acrolein	1.45E-01	NA	NA	2.00E-02	3.50E-01	NC	1.16E-01
Benzene	4.73E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	2.19E-07	2.20E-04
1,3-Butadiene	8.88E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	2.41E-06	1.24E-03
Ethylbenzene	-8.78E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-3.51E-09	-1.23E-06
Formaldehyde	7.15E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	6.86E-07	2.22E-02
Methyl alcohol	1.06E-01	NA	NA	4.00E+03	4.00E+03	NC	7.39E-06
Methyl ethyl ketone	-5.55E-04	NA	NA	5.00E+03	NA	NC	-3.10E-08
Naphthalene	3.13E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	1.70E-07	9.74E-04
Hexane, n-	-1.84E-02	NA	NA	7.00E+02	7.00E+03	NC	-7.36E-07
Phenol	4.33E-02	NA	NA	2.00E+02	2.00E+02	NC	6.05E-05
Propylene	2.26E-01	NA	NA	3.00E+03	3.00E+03	NC	2.11E-05
Styrene	1.62E-02	NA	NA	1.00E+03	9.00E+02	NC	5.02E-06
Toluene	-5.57E-02	NA	NA	5.00E+03	3.00E+02	NC	-5.19E-05
Xylene (total)	-5.83E-02	NA	NA	1.00E+02	7.00E+02	NC	-2.33E-05
Chlorine	-3.93E-04	NA	NA	1.50E-01	2.00E-01	NC	-5.50E-04
Chromium (VI)	5.25E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	1.26E-07	7.35E-06
Copper	1.79E-05	NA	NA	NA	NA	NC	NC
Lead	4.56E-05	NA	1.20E-05	NA	NA	8.75E-11	NC
Manganese	2.21E-05	NA	NA	5.00E-02	9.00E-02	NC	6.86E-05
Nickel	-2.81E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-1.17E-10	-1.57E-05
Diesel PM	-2.89E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-1.38E-05	-1.61E-02
					TOTAL	**-1.0E-05**	**0.12**

[1] Commercial Maximum Grid No. **236** Note that this is not the same as the Peak Location of Commercial Cancer Risks, Grid No. **266**

NA = Not Available **ug/m^3 = micrograms per cubic meter**

NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 2-9E
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 7, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
(Based on Maximally Exposed Individuals Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	70 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	613200 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; REL = Reference Exposure Level; IUR = Inhalation Unit Risk; EC = Exposure Concentration; SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

		Toxicity Criteria				Cancer Risks				Hazard Quotients			
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Unit Risk $(ug/m^3)^{-1}$	CalEPA Inhalation Unit Risk $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to 30-year Resident	Cancer Risk to 70-year Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient 30-year Resident	Hazard Quotient 70-year Resident
Acetaldehyde	9.66E-02	2.20E-06	2.70E-06	9.00E+00	1.40E+02	2.14E-08	4.08E-09	1.07E-07	2.50E-07	6.62E-04	1.26E-04	6.62E-04	6.62E-04
Acrolein	5.78E-02	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	NC	1.58E-01	3.02E-02	1.58E-01	1.58E-01
Benzene	-4.43E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	-1.06E-07	-2.01E-08	-5.28E-07	-1.23E-06	-7.08E-04	-1.35E-04	-7.08E-04	-7.08E-04
1,3-Butadiene	2.18E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	3.04E-07	5.80E-08	1.52E-06	3.55E-06	1.04E-03	1.99E-04	1.04E-03	1.04E-03
Ethylbenzene	-2.58E-02	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-5.31E-09	-1.01E-09	-2.65E-08	-6.19E-08	-1.24E-05	-2.36E-06	-1.24E-05	-1.24E-05
Formaldehyde	2.69E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	1.33E-07	2.53E-08	6.64E-07	1.55E-06	2.87E-02	5.46E-03	2.87E-02	2.87E-02
Methyl alcohol	4.06E-02	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	NC	9.73E-06	1.85E-06	9.73E-06	9.73E-06
Methyl ethyl ketone	-9.21E-04	NA	NA	5.00E+03	NA	NC	NC	NC	NC	-1.77E-07	-3.36E-08	-1.77E-07	-1.77E-07
Naphthalene	1.16E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	3.24E-08	6.17E-09	1.62E-07	3.78E-07	1.23E-03	2.35E-04	1.23E-03	1.23E-03
Hexane, n-	-2.64E-02	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	NC	-3.61E-06	-6.88E-07	-3.61E-06	-3.61E-06
Phenol	1.74E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	NC	8.35E-05	1.59E-05	8.35E-05	8.35E-05
Propylene	4.25E-02	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	NC	1.36E-05	2.59E-06	1.36E-05	1.36E-05
Styrene	3.89E-03	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	NC	4.14E-06	7.89E-07	4.14E-06	4.14E-06
Toluene	-1.29E-01	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	NC	-4.13E-04	-7.87E-05	-4.13E-04	-4.13E-04
Xylene (total)	-1.22E-01	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	NC	-1.67E-04	-3.18E-05	-1.67E-04	-1.67E-04
Chlorine	-2.36E-04	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	NC	-1.13E-03	-2.15E-04	-1.13E-03	-1.13E-03
Chromium (VI)	1.77E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	2.18E-08	4.16E-09	1.09E-07	2.55E-07	8.49E-06	1.62E-06	8.49E-06	8.49E-06
Copper	5.45E-06	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC	NC
Lead	1.57E-05	NA	1.20E-05	NA	NA	1.55E-11	2.95E-12	7.74E-11	1.81E-10	NC	NC	NC	NC
Manganese	6.87E-06	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	NC	7.32E-05	1.40E-05	7.32E-05	7.32E-05
Nickel	-1.68E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-3.60E-11	-6.85E-12	-1.80E-10	-4.20E-10	-3.23E-05	-6.15E-06	-3.23E-05	-3.23E-05
Diesel PM	-4.34E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-1.07E-05	-2.04E-06	-5.35E-05	-1.25E-04	-8.32E-02	-1.58E-02	-8.32E-02	-8.32E-02
					TOTAL	**-1.0E-05**	**-2.0E-06**	**-5.1E-05**	**-1.2E-04**	**0.1044**	**0.0199**	**0.1044**	**0.1044**

[1] Residential Maximum Grid No. 297
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 2-9F

RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 7, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range

(Based on Maximally Exposed Individuals Location of Commercial Cancer Risks[1])

Exposure Parameters	Adult Worker	RAGS F Equations		
Exposure Time	10 (hrs/day)	EC = (CA x ET x EF x ED) / (AT)		
Exposure Frequency	245 (days/year)	Risk = IUR x EC		
Exposure Duration	40 (years)	HQ = EC / REL		
Averaging Time (non-carcinogenic)	350400 (hrs)	Where:	BW = Body Weight	REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200 (hrs)		IUR = Inhalation Unit Risk	EC = Exposure Concentration
			SFi = Inhalation Slope Factor	AT = Averaging Time (for cancer or non-canc

		Toxicity Criteria					Cancer Risks	Hazard Quotients
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)		Cancer Risk to Adult Worker	Hazard Quotient Adult Worker
Acetaldehyde	2.34E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02		1.01E-07	4.68E-04
Acrolein	1.43E-01	NA	NA	2.00E-02	3.50E-01		NC	1.14E-01
Benzene	-4.11E-01	7.80E-06	2.90E-05	3.00E+01	6.00E+01		-1.91E-06	-1.92E-03
1,3-Butadiene	-2.71E-03	3.00E-05	1.70E-04	2.00E+00	2.00E+01		-7.37E-08	-3.79E-05
Ethylbenzene	-1.98E-01	2.50E-06	2.50E-06	1.00E+03	2.00E+03		-7.92E-08	-2.77E-05
Formaldehyde	5.46E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00		5.24E-07	1.70E-02
Methyl alcohol	9.78E-02	NA	NA	4.00E+03	4.00E+03		NC	6.84E-06
Methyl ethyl ketone	-4.48E-03	NA	NA	5.00E+03	NA		NC	-2.51E-07
Naphthalene	2.66E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00		1.45E-07	8.28E-04
Hexane, n-	-2.80E-01	NA	NA	7.00E+02	7.00E+03		NC	-1.12E-05
Phenol	4.86E-02	NA	NA	2.00E+02	2.00E+02		NC	6.79E-05
Propylene	-2.65E-01	NA	NA	3.00E+03	3.00E+03		NC	-2.48E-05
Styrene	-3.94E-03	NA	NA	1.00E+03	9.00E+02		NC	-1.23E-06
Toluene	-1.07E+00	NA	NA	5.00E+03	3.00E+02		NC	-9.96E-04
Xylene (total)	-9.21E-01	NA	NA	1.00E+02	7.00E+02		NC	-3.68E-04
Chlorine	-4.31E-03	NA	NA	1.50E-01	2.00E-01		NC	-6.03E-03
Chromium (VI)	1.28E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01		3.07E-08	1.79E-06
Copper	-1.99E-05	NA	NA	NA	NA		NC	NC
Lead	2.39E-05	NA	1.20E-05	NA	NA		4.58E-11	NC
Manganese	-1.78E-05	NA	NA	5.00E-02	9.00E-02		NC	-5.52E-05
Nickel	-3.08E-05	2.40E-04	2.60E-04	5.00E-02	5.00E-02		-1.28E-09	-1.72E-04
Diesel PM	-3.38E+00	3.00E-04	3.00E-04	5.00E+00	5.00E+00		-1.62E-04	-1.89E-01
						TOTAL	**-1.6E-04**	**-0.0659**

[1] Commercial Maximum Grid No. **173**

NA = Not Available **ug/m^3 = micrograms per cubic meter**

NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 2-10A
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 7, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Maximum Range
(Based on Peak Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	70 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	613200 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; REL = Reference Exposure Level; IUR = Inhalation Unit Risk; EC = Exposure Concentration; SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

		Toxicity Criteria				Cancer Risks				Hazard Quotients			
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Unit Risk $(ug/m^3)^{-1}$	CalEPA Inhalation Unit Risk $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to 30-year Resident	Cancer Risk to 70-year Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient 30-year Resident	Hazard Quotient 70-year Resident
Acetaldehyde	1.92E-02	2.20E-06	2.70E-06	9.00E+00	1.40E+02	4.26E-09	8.12E-10	2.13E-08	4.98E-08	1.32E-04	2.51E-05	1.32E-04	1.32E-04
Acrolein	1.11E-02	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	NC	3.03E-02	5.77E-03	3.03E-02	3.03E-02
Benzene	4.42E-03	7.80E-06	2.90E-05	3.00E+01	6.00E+01	1.05E-08	2.01E-09	5.27E-08	1.23E-07	7.06E-05	1.35E-05	7.06E-05	7.06E-05
1,3-Butadiene	7.00E-03	3.00E-05	1.70E-04	2.00E+00	2.00E+01	9.78E-08	1.86E-08	4.89E-07	1.14E-06	3.36E-04	6.39E-05	3.36E-04	3.36E-04
Ethylbenzene	-5.43E-04	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-1.12E-10	-2.12E-11	-5.58E-10	-1.30E-09	-2.60E-07	-4.96E-08	-2.60E-07	-2.60E-07
Formaldehyde	5.45E-02	1.30E-05	6.00E-06	9.80E+00	9.00E+00	2.69E-08	5.12E-09	1.34E-07	3.14E-07	5.81E-03	1.11E-03	5.81E-03	5.81E-03
Methyl alcohol	8.11E-03	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	NC	1.94E-06	3.70E-07	1.94E-06	1.94E-06
Methyl ethyl ketone	-2.67E-05	NA	NA	5.00E+03	NA	NC	NC	NC	NC	-5.12E-09	-9.76E-10	-5.12E-09	-5.12E-09
Naphthalene	2.42E-03	3.40E-05	3.40E-05	3.00E+00	9.00E+00	6.75E-09	1.29E-09	3.38E-08	7.88E-08	2.57E-04	4.90E-05	2.57E-04	2.57E-04
Hexane, n-	-1.88E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	NC	-2.57E-07	-4.90E-08	-2.57E-07	-2.57E-07
Phenol	3.32E-03	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	NC	1.59E-05	3.03E-06	1.59E-05	1.59E-05
Propylene	1.70E-02	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	NC	5.44E-06	1.04E-06	5.44E-06	5.44E-06
Styrene	1.26E-03	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	NC	1.34E-06	2.55E-07	1.34E-06	1.34E-06
Toluene	-4.24E-03	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	NC	-1.36E-05	-2.58E-06	-1.36E-05	-1.36E-05
Xylene (total)	-4.04E-03	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	NC	-5.53E-06	-1.05E-06	-5.53E-06	-5.53E-06
Chlorine	-2.35E-05	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	NC	-1.13E-04	-2.14E-05	-1.13E-04	-1.13E-04
Chromium (VI)	2.68E-07	1.20E-02	1.50E-01	1.00E-01	2.00E-01	3.31E-09	6.30E-10	1.65E-08	3.86E-08	1.29E-06	2.45E-07	1.29E-06	1.29E-06
Copper	8.96E-07	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC	NC
Lead	2.34E-06	NA	1.20E-05	NA	NA	2.31E-12	4.40E-13	1.15E-11	2.69E-11	NC	NC	NC	NC
Manganese	1.11E-06	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	NC	1.18E-05	2.25E-06	1.18E-05	1.18E-05
Nickel	-1.68E-07	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-3.58E-12	-6.82E-13	-1.79E-11	-4.18E-11	-3.21E-06	-6.12E-07	-3.21E-06	-3.21E-06
Diesel PM	-3.48E-02	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-8.58E-07	-1.63E-07	-4.29E-06	-1.00E-05	-6.67E-03	-1.27E-03	-6.67E-03	-6.67E-03
					TOTAL	**-7.1E-07**	**-1.3E-07**	**-3.5E-06**	**-8.3E-06**	**0.0301**	**0.0057**	**0.0301**	**0.0301**

[1] Residential Maximum Grid No. 28
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 2-10B
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 7, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Maximum Range
(Based on Peak Location of Residential Hazards[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	70 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	613200 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; REL = Reference Exposure Level; IUR = Inhalation Unit Risk; EC = Exposure Concentration; SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

		Toxicity Criteria				Cancer Risks				Hazard Quotients			
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfDi (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to 30-year Resident	Cancer Risk to 70-year Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient 30-year Resident	Hazard Quotient 70-year Resident
Acetaldehyde	2.19E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	4.85E-08	9.24E-09	2.43E-07	5.66E-07	1.50E-03	2.85E-04	1.50E-03	1.50E-03
Acrolein	1.25E-01	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	NC	3.42E-01	6.52E-02	3.42E-01	3.42E-01
Benzene	9.06E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	2.16E-07	4.11E-08	1.08E-06	2.52E-06	1.45E-03	2.76E-04	1.45E-03	1.45E-03
1,3-Butadiene	8.75E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	1.22E-06	2.33E-07	6.11E-06	1.43E-05	4.19E-03	7.99E-04	4.19E-03	4.19E-03
Ethylbenzene	9.49E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	1.95E-09	3.72E-10	9.75E-09	2.28E-08	4.55E-06	8.67E-07	4.55E-06	4.55E-06
Formaldehyde	6.28E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	3.10E-07	5.90E-08	1.55E-06	3.61E-06	6.69E-02	1.27E-02	6.69E-02	6.69E-02
Methyl alcohol	9.24E-02	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	NC	2.22E-05	4.22E-06	2.22E-05	2.22E-05
Methyl ethyl ketone	9.69E-05	NA	NA	5.00E+03	NA	NC	NC	NC	NC	1.86E-08	3.54E-09	1.86E-08	1.86E-08
Naphthalene	2.78E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	7.76E-08	1.48E-08	3.88E-07	9.05E-07	2.96E-03	5.64E-04	2.96E-03	2.96E-03
Hexane, n-	-3.36E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	NC	-4.60E-07	-8.77E-08	-4.60E-07	-4.60E-07
Phenol	3.72E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	NC	1.78E-04	3.40E-05	1.78E-04	1.78E-04
Propylene	2.29E-01	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	NC	7.33E-05	1.40E-05	7.33E-05	7.33E-05
Styrene	1.59E-02	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	NC	1.70E-05	3.23E-06	1.70E-05	1.70E-05
Toluene	3.17E-02	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	NC	1.01E-04	1.93E-05	1.01E-04	1.01E-04
Xylene (total)	2.45E-02	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	NC	3.36E-05	6.40E-06	3.36E-05	3.36E-05
Chlorine	-8.22E-05	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	NC	-3.94E-04	-7.51E-05	-3.94E-04	-3.94E-04
Chromium (VI)	2.95E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	3.64E-08	6.93E-09	1.82E-07	4.25E-07	1.42E-05	2.70E-06	1.42E-05	1.42E-05
Copper	1.09E-05	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC	NC
Lead	2.52E-05	NA	1.20E-05	NA	NA	2.49E-11	4.74E-12	1.24E-10	2.90E-10	NC	NC	NC	NC
Manganese	1.32E-05	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	NC	1.40E-04	2.67E-05	1.40E-04	1.40E-04
Nickel	-5.87E-07	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-1.25E-11	-2.39E-12	-6.27E-11	-1.46E-10	-1.13E-05	-2.14E-06	-1.13E-05	-1.13E-05
Diesel PM	-1.23E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-3.02E-06	-5.75E-07	-1.51E-05	-3.52E-05	-2.35E-02	-4.48E-03	-2.35E-02	-2.35E-02
					TOTAL	**-1.1E-06**	**-2.1E-07**	**-5.5E-06**	**-1.3E-05**	**0.40**	**0.075**	**0.40**	**0.40**

[1] Residential Maximum Grid No. 81
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 2-10C
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 7, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Maximum Range
(Based on Peak Location of Commercial Cancer Risks[1])

Exposure Parameters	Adult Worker	RAGS F Equations		
Exposure Time	10 (hrs/day)	EC = (CA x ET x EF x ED) / (AT)		
Exposure Frequency	245 (days/year)	Risk = IUR x EC		
Exposure Duration	40 (years)	HQ = EC / REL		
Averaging Time (non-carcinogenic)	350400 (hrs)	Where:	BW = Body Weight	REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200 (hrs)		IUR = Inhalation Unit Risk	EC = Exposure Concentration
			SFi = Inhalation Slope Factor	AT = Averaging Time (for cancer or non-canc

TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risks: Cancer Risk to Adult Worker	Hazard Quotients: Hazard Quotient Adult Worker
	Toxicity Criteria						
Acetaldehyde	1.92E-02	2.20E-06	2.70E-06	9.00E+00	1.40E+02	8.28E-09	3.84E-05
Acrolein	1.15E-02	NA	NA	2.00E-02	3.50E-01	NC	9.17E-03
Benzene	-1.02E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	-4.73E-08	-4.75E-05
1,3-Butadiene	4.08E-03	3.00E-05	1.70E-04	2.00E+00	2.00E+01	1.11E-07	5.71E-05
Ethylbenzene	-5.81E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-2.32E-09	-8.13E-07
Formaldehyde	5.28E-02	1.30E-05	6.00E-06	9.80E+00	9.00E+00	5.07E-08	1.64E-03
Methyl alcohol	8.06E-03	NA	NA	4.00E+03	4.00E+03	NC	5.63E-07
Methyl ethyl ketone	-1.91E-04	NA	NA	5.00E+03	NA	NC	-1.07E-08
Naphthalene	2.30E-03	3.40E-05	3.40E-05	3.00E+00	9.00E+00	1.25E-08	7.14E-05
Hexane, n-	-6.49E-03	NA	NA	7.00E+02	7.00E+03	NC	-2.59E-07
Phenol	3.50E-03	NA	NA	2.00E+02	2.00E+02	NC	4.89E-06
Propylene	6.44E-03	NA	NA	3.00E+03	3.00E+03	NC	6.00E-07
Styrene	7.07E-04	NA	NA	1.00E+03	9.00E+02	NC	2.20E-07
Toluene	-2.96E-02	NA	NA	5.00E+03	3.00E+02	NC	-2.76E-05
Xylene (total)	-2.74E-02	NA	NA	1.00E+02	7.00E+02	NC	-1.09E-05
Chlorine	-2.55E-04	NA	NA	1.50E-01	2.00E-01	NC	-3.56E-04
Chromium (VI)	6.32E-08	1.20E-02	1.50E-01	1.00E-01	2.00E-01	1.51E-09	8.83E-08
Copper	-1.23E-06	NA	NA	NA	NA	NC	NC
Lead	1.30E-06	NA	1.20E-05	NA	NA	2.50E-12	NC
Manganese	-1.11E-06	NA	NA	5.00E-02	9.00E-02	NC	-3.44E-06
Nickel	-1.82E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-7.56E-11	-1.02E-05
Diesel PM	-1.02E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-4.90E-06	-5.71E-03
					TOTAL	**-4.8E-06**	**0.0048**

[1] Commercial Maximum Grid No. **266** Note that this is not the same as the Peak Location of Commercial Hazards, Grid No. **236**

NA = Not Available **ug/m^3 = micrograms per cubic meter**

NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 2-10D
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 7, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Maximum Range
(Based on Peak Location of Commercial Hazards[1])

Exposure Parameters	Adult Worker	RAGS F Equations
Exposure Time	10 (hrs/day)	EC = (CA x ET x EF x ED) / (AT)
Exposure Frequency	245 (days/year)	Risk = IUR x EC
Exposure Duration	40 (years)	HQ = EC / REL
Averaging Time (non-carcinogenic)	350400 (hrs)	Where: BW = Body Weight; REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200 (hrs)	IUR = Inhalation Unit Risk; EC = Exposure Concentration
		SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-canc

TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risks: Cancer Risk to Adult Worker	Hazard Quotients: Hazard Quotient Adult Worker
		Toxicity Criteria					
Acetaldehyde	2.51E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	1.08E-07	5.01E-04
Acrolein	1.45E-01	NA	NA	2.00E-02	3.50E-01	NC	1.16E-01
Benzene	4.86E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	2.25E-07	2.27E-04
1,3-Butadiene	8.91E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	2.42E-06	1.25E-03
Ethylbenzene	-8.21E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-3.28E-09	-1.15E-06
Formaldehyde	7.16E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	6.87E-07	2.23E-02
Methyl alcohol	1.06E-01	NA	NA	4.00E+03	4.00E+03	NC	7.40E-06
Methyl ethyl ketone	-5.45E-04	NA	NA	5.00E+03	NA	NC	-3.05E-08
Naphthalene	3.14E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	1.70E-07	9.75E-04
Hexane, n-	-1.75E-02	NA	NA	7.00E+02	7.00E+03	NC	-7.01E-07
Phenol	4.33E-02	NA	NA	2.00E+02	2.00E+02	NC	6.05E-05
Propylene	2.28E-01	NA	NA	3.00E+03	3.00E+03	NC	2.12E-05
Styrene	1.62E-02	NA	NA	1.00E+03	9.00E+02	NC	5.04E-06
Toluene	-5.26E-02	NA	NA	5.00E+03	3.00E+02	NC	-4.90E-05
Xylene (total)	-5.57E-02	NA	NA	1.00E+02	7.00E+02	NC	-2.22E-05
Chlorine	-2.37E-04	NA	NA	1.50E-01	2.00E-01	NC	-3.31E-04
Chromium (VI)	5.31E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	1.27E-07	7.42E-06
Copper	1.91E-05	NA	NA	NA	NA	NC	NC
Lead	4.56E-05	NA	1.20E-05	NA	NA	8.75E-11	NC
Manganese	2.32E-05	NA	NA	5.00E-02	9.00E-02	NC	7.21E-05
Nickel	-1.69E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-7.03E-11	-9.47E-06
Diesel PM	-2.86E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-1.37E-05	-1.60E-02
					TOTAL	**-1.0E-05**	**0.1249**

[1] Commercial Maximum Grid No. **236**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 2-10E
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 7, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Maximum Range
(Based on Maximally Exposed Individuals Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	70 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	613200 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; REL = Reference Exposure Level; IUR = Inhalation Unit Risk; EC = Exposure Concentration; SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

		Toxicity Criteria				Cancer Risks				Hazard Quotients			
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Unit Risk $(ug/m^3)^{-1}$	CalEPA Inhalation Unit Risk $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to 30-year Resident	Cancer Risk to 70-year Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient 30-year Resident	Hazard Quotient 70-year Resident
Acetaldehyde	1.36E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	3.02E-08	5.75E-09	1.51E-07	3.52E-07	9.31E-04	1.77E-04	9.31E-04	9.31E-04
Acrolein	7.99E-02	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	NC	2.19E-01	4.17E-02	2.19E-01	2.19E-01
Benzene	-6.34E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	-1.51E-07	-2.88E-08	-7.56E-07	-1.76E-06	-1.01E-03	-1.93E-04	-1.01E-03	-1.01E-03
1,3-Butadiene	3.17E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	4.42E-07	8.43E-08	2.21E-06	5.16E-06	1.52E-03	2.89E-04	1.52E-03	1.52E-03
Ethylbenzene	-4.32E-02	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-8.87E-09	-1.69E-09	-4.43E-08	-1.03E-07	-2.07E-05	-3.94E-06	-2.07E-05	-2.07E-05
Formaldehyde	3.61E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	1.78E-07	3.39E-08	8.90E-07	2.08E-06	3.84E-02	7.32E-03	3.84E-02	3.84E-02
Methyl alcohol	5.72E-02	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	NC	1.37E-05	2.61E-06	1.37E-05	1.37E-05
Methyl ethyl ketone	-1.02E-03	NA	NA	5.00E+03	NA	NC	NC	NC	NC	-1.96E-07	-3.73E-08	-1.96E-07	-1.96E-07
Naphthalene	1.65E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	4.62E-08	8.80E-09	2.31E-07	5.39E-07	1.76E-03	3.36E-04	1.76E-03	1.76E-03
Hexane, n-	-6.70E-02	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	NC	-9.17E-06	-1.75E-06	-9.17E-06	-9.17E-06
Phenol	2.52E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	NC	1.21E-04	2.30E-05	1.21E-04	1.21E-04
Propylene	2.25E-02	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	NC	7.18E-06	1.37E-06	7.18E-06	7.18E-06
Styrene	4.95E-03	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	NC	5.28E-06	1.00E-06	5.28E-06	5.28E-06
Toluene	-2.39E-01	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	NC	-7.65E-04	-1.46E-04	-7.65E-04	-7.65E-04
Xylene (total)	-2.08E-01	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	NC	-2.84E-04	-5.42E-05	-2.84E-04	-2.84E-04
Chlorine	-3.64E-03	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	NC	-1.75E-02	-3.33E-03	-1.75E-02	-1.75E-02
Chromium (VI)	1.06E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	1.31E-08	2.49E-09	6.54E-08	1.53E-07	5.09E-06	9.69E-07	5.09E-06	5.09E-06
Copper	-1.69E-05	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC	NC
Lead	2.00E-05	NA	1.20E-05	NA	NA	1.97E-11	3.75E-12	9.85E-11	2.30E-10	NC	NC	NC	NC
Manganese	-1.51E-05	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	NC	-1.61E-04	-3.07E-05	-1.61E-04	-1.61E-04
Nickel	-2.60E-05	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-5.56E-10	-1.06E-10	-2.78E-09	-6.48E-09	-4.99E-04	-9.50E-05	-4.99E-04	-4.99E-04
Diesel PM	-1.57E+00	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-3.87E-05	-7.37E-06	-1.93E-04	-4.51E-04	-3.01E-01	-5.73E-02	-3.01E-01	-3.01E-01
					TOTAL	**-3.8E-05**	**-7.3E-06**	**-1.9E-04**	**-4.4E-04**	**-0.0594**	**-0.0113**	**-0.0594**	**-0.0594**

[1] Residential Maximum Grid No. 141
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 2-10F
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 7, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Maximum Range
(Based on Maximally Exposed Individuals Location of Commercial Cancer Risks[1])

Exposure Parameters	Adult Worker	RAGS F Equations
Exposure Time	10 (hrs/day)	EC = (CA x ET x EF x ED) / (AT)
Exposure Frequency	245 (days/year)	Risk = IUR x EC
Exposure Duration	40 (years)	HQ = EC / REL
Averaging Time (non-carcinogenic)	350400 (hrs)	Where: BW = Body Weight; REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200 (hrs)	IUR = Inhalation Unit Risk; EC = Exposure Concentration
		SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-canc

TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risks: Cancer Risk to Adult Worker	Hazard Quotients: Hazard Quotient Adult Worker
			Toxicity Criteria				
Acetaldehyde	2.36E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	1.02E-07	4.72E-04
Acrolein	1.44E-01	NA	NA	2.00E-02	3.50E-01	NC	1.15E-01
Benzene	-3.92E-01	7.80E-06	2.90E-05	3.00E+01	6.00E+01	-1.82E-06	-1.83E-03
1,3-Butadiene	1.44E-03	3.00E-05	1.70E-04	2.00E+00	2.00E+01	3.90E-08	2.01E-05
Ethylbenzene	-1.90E-01	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-7.60E-08	-2.66E-05
Formaldehyde	5.58E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	5.35E-07	1.74E-02
Methyl alcohol	9.88E-02	NA	NA	4.00E+03	4.00E+03	NC	6.91E-06
Methyl ethyl ketone	-4.34E-03	NA	NA	5.00E+03	NA	NC	-2.43E-07
Naphthalene	2.70E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	1.47E-07	8.39E-04
Hexane, n-	-2.68E-01	NA	NA	7.00E+02	7.00E+03	NC	-1.07E-05
Phenol	4.86E-02	NA	NA	2.00E+02	2.00E+02	NC	6.79E-05
Propylene	-2.42E-01	NA	NA	3.00E+03	3.00E+03	NC	-2.26E-05
Styrene	-3.01E-03	NA	NA	1.00E+03	9.00E+02	NC	-9.35E-07
Toluene	-1.02E+00	NA	NA	5.00E+03	3.00E+02	NC	-9.55E-04
Xylene (total)	-8.84E-01	NA	NA	1.00E+02	7.00E+02	NC	-3.53E-04
Chlorine	-2.23E-03	NA	NA	1.50E-01	2.00E-01	NC	-3.11E-03
Chromium (VI)	2.03E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	4.86E-08	2.83E-06
Copper	-5.04E-06	NA	NA	NA	NA	NC	NC
Lead	2.39E-05	NA	1.20E-05	NA	NA	4.58E-11	NC
Manganese	-2.87E-06	NA	NA	5.00E-02	9.00E-02	NC	-8.93E-06
Nickel	-1.59E-05	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-6.61E-10	-8.89E-05
Diesel PM	-3.34E+00	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-1.60E-04	-1.87E-01
					TOTAL	**-1.6E-04**	**-0.0594**

[1] Commercial Maximum Grid No. **173**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Attachment 3
Acute Non-cancer Health Hazard Calculations

Table 3-1A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 1, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Location	acetaldehyde (µg/m³)	acrolein (µg/m³)	benzene (µg/m³)	formaldehyde (µg/m³)	methyl alcohol (µg/m³)	methyl ethyl ketone (µg/m³)	phenol (carbolic acid) (µg/m³)	styrene (µg/m³)	toluene (µg/m³)	xylene, total (µg/m³)	arsenic (µg/m³)	chlorine (µg/m³)	copper (µg/m³)	mercury (µg/m³)	nickel (µg/m³)	vanadium (µg/m³)	sulfates (µg/m³)
Commercial - Onsite																	
Maximum Onsite Concentration-->	-1.95E+00	1.79E+00	-5.78E+00	-1.89E+00	1.18E+00	-1.03E+00	5.64E-01	-4.78E-02	-1.10E+01	-9.81E+00	-3.72E-03	-2.33E-01	-1.81E-02	-2.23E-02	-1.40E-02	-2.16E-02	-1.28E+01
Commercial - Offsite																	
Maximum Offsite Concentration-->	6.78E+00	4.05E+00	9.72E+00	2.13E+01	3.13E+00	-2.88E-02	1.21E+00	7.76E-01	1.16E+01	1.09E+01	2.32E-03	1.84E-01	1.29E-02	1.39E-02	9.00E-03	1.35E-02	8.25E+00
Average Offsite Concentration-->	2.18E+00	1.88E+00	4.05E-01	7.32E+00	1.38E+00	-2.26E-01	5.69E-01	2.03E-01	-1.16E+00	-1.00E+00	-1.85E-03	-1.30E-01	-9.00E-03	-1.11E-02	-7.03E-03	-1.07E-02	-6.45E+00
Minimum Offsite Concentration-->	-1.81E+00	-2.11E-01	-4.82E+00	-4.52E+00	-2.70E-01	-6.69E-01	-5.25E-02	-2.11E-01	-8.03E+00	-6.89E+00	-1.11E-02	-7.74E-01	-5.61E-02	-6.64E-02	-4.21E-02	-6.42E-02	-3.86E+01
Recreational																	
Maximum Offsite Concentration-->	5.31E+00	3.44E+00	2.78E+00	1.60E+01	2.55E+00	-9.57E-02	1.03E+00	4.50E-01	1.82E+00	1.69E+00	-4.21E-04	-2.63E-02	-1.78E-03	-2.53E-03	-1.58E-03	-2.44E-03	-1.45E+00
Average Offsite Concentration-->	2.62E+00	1.89E+00	1.03E+00	8.43E+00	1.39E+00	-1.37E-01	5.67E-01	2.28E-01	-1.07E-01	-8.21E-02	-9.68E-04	-6.68E-02	-4.65E-03	-5.81E-03	-3.68E-03	-5.62E-03	-3.38E+00
Minimum Offsite Concentration-->	1.33E+00	1.10E+00	-4.71E-01	4.37E+00	8.07E-01	-2.04E-01	3.31E-01	1.09E-01	-2.25E+00	-2.09E+00	-1.62E-03	-1.09E-01	-7.80E-03	-9.75E-03	-6.15E-03	-9.42E-03	-5.64E+00
Residential																	
Maximum Offsite Concentration-->	1.19E+01	7.52E+00	4.63E+00	3.53E+01	5.54E+00	-9.70E-02	2.24E+00	9.28E-01	3.57E+00	3.26E+00	-6.98E-04	-4.94E-02	-3.34E-03	-4.19E-03	-2.66E-03	-4.05E-03	-2.44E+00
Average Offsite Concentration-->	3.11E+00	2.33E+00	5.66E-01	9.70E+00	1.70E+00	-1.93E-01	6.98E-01	2.53E-01	-1.20E+00	-1.11E+00	-1.79E-03	-1.27E-01	-8.79E-03	-1.07E-02	-6.82E-03	-1.04E-02	-6.26E+00
Minimum Offsite Concentration-->	-1.36E+00	2.93E-02	-3.64E+00	-3.01E+00	-5.32E-02	-4.44E-01	1.96E-02	-1.25E-01	-6.17E+00	-5.66E+00	-3.88E-03	-2.71E-01	-1.93E-02	-2.33E-02	-1.48E-02	-2.25E-02	-1.36E+01
School																	
Maximum Offsite Concentration-->	4.26E+00	2.90E+00	2.09E+00	1.29E+01	2.14E+00	-1.40E-01	8.68E-01	3.60E-01	1.08E+00	1.02E+00	-9.47E-04	-6.98E-02	-4.56E-03	-5.68E-03	-3.63E-03	-5.49E-03	-3.33E+00
Average Offsite Concentration-->	2.33E+00	1.87E+00	1.74E-01	7.42E+00	1.36E+00	-1.91E-01	5.64E-01	1.93E-01	-1.44E+00	-1.32E+00	-1.79E-03	-1.28E-01	-8.83E-03	-1.08E-02	-6.84E-03	-1.04E-02	-6.28E+00
Minimum Offsite Concentration-->	-4.38E-01	5.00E-01	-3.49E+00	-4.46E-01	2.83E-01	-2.66E-01	1.58E-01	-7.84E-02	-6.15E+00	-5.67E+00	-4.16E-03	-2.93E-01	-2.10E-02	-2.50E-02	-1.59E-02	-2.42E-02	-1.46E+01
CalEPA Acute REL	470	2.5	1300	55	28000	13000	5800	21000	37000	22000	0.2	210	100	0.6	6	30	120
Commercial - Onsite																	
Onsite Maximum Acute Hazard-->	-4.15E-03	7.15E-01	-4.45E-03	-3.43E-02	4.20E-05	-7.90E-05	9.72E-05	-2.28E-06	-2.99E-04	-4.46E-04	-1.86E-02	-1.11E-03	-1.81E-04	-3.72E-02	-2.33E-03	-7.20E-04	-1.07E-01
Commercial - Offsite																	
Offsite Maximum Acute Hazard-->	1.44E-02	1.62E+00	7.48E-03	3.87E-01	1.12E-04	-2.21E-06	2.09E-04	3.70E-05	3.12E-04	4.94E-04	1.16E-02	8.75E-04	1.29E-04	2.32E-02	1.50E-03	4.49E-04	6.88E-02
Offsite Average Acute Hazard-->	4.63E-03	7.54E-01	3.11E-04	1.33E-01	4.92E-05	-1.74E-05	9.81E-05	9.65E-06	-3.14E-05	-4.57E-05	-9.23E-03	-6.17E-04	-9.00E-05	-1.85E-02	-1.17E-03	-3.57E-04	-5.38E-02
Offsite Minimum Acute Hazard-->	-3.85E-03	-8.46E-02	-3.71E-03	-8.22E-02	-9.65E-06	-5.14E-05	-9.06E-06	-1.00E-05	-2.17E-04	-3.13E-04	-5.53E-02	-3.68E-03	-5.61E-04	-1.11E-01	-7.02E-03	-2.14E-03	-3.22E-01
Recreational																	
Offsite Maximum Acute Hazard-->	1.13E-02	1.37E+00	2.14E-03	2.91E-01	9.12E-05	-7.36E-06	1.77E-04	2.14E-05	4.91E-05	7.70E-05	-2.10E-03	-1.25E-04	-1.78E-05	-4.21E-03	-2.63E-04	-8.14E-05	-1.21E-02
Offsite Average Acute Hazard-->	5.58E-03	7.56E-01	7.95E-04	1.53E-01	4.98E-05	-1.05E-05	9.77E-05	1.08E-05	-2.90E-06	-3.73E-06	-4.84E-03	-3.18E-04	-4.65E-05	-9.68E-03	-6.14E-04	-1.87E-04	-2.81E-02
Offsite Minimum Acute Hazard-->	2.82E-03	4.39E-01	-3.62E-04	7.94E-02	2.88E-05	-1.57E-05	5.71E-05	5.19E-06	-6.07E-05	-9.51E-05	-8.12E-03	-5.18E-04	-7.80E-05	-1.62E-02	-1.03E-03	-3.14E-04	-4.70E-02
Residential																	
Offsite Maximum Acute Hazard-->	2.53E-02	3.01E+00	3.56E-03	6.43E-01	1.98E-04	-7.46E-06	3.86E-04	4.42E-05	9.65E-05	1.48E-04	-3.49E-03	-2.35E-04	-3.34E-05	-6.98E-03	-4.44E-04	-1.35E-04	-2.04E-02
Offsite Average Acute Hazard-->	6.61E-03	9.31E-01	4.35E-04	1.76E-01	6.06E-05	-1.49E-05	1.20E-04	1.20E-05	-3.25E-05	-5.06E-05	-8.95E-03	-6.02E-04	-8.79E-05	-1.79E-02	-1.14E-03	-3.46E-04	-5.22E-02
Offsite Minimum Acute Hazard-->	-2.90E-03	1.17E-02	-2.80E-03	-5.48E-02	-1.90E-06	-3.41E-05	3.37E-06	-5.97E-06	-1.67E-04	-2.57E-04	-1.94E-02	-1.29E-03	-1.93E-04	-3.88E-02	-2.46E-03	-7.50E-04	-1.13E-01
School																	
Offsite Maximum Acute Hazard-->	9.06E-03	1.16E+00	1.61E-03	2.35E-01	7.64E-05	-1.08E-05	1.50E-04	1.71E-05	2.93E-05	4.62E-05	-4.73E-03	-3.32E-04	-4.56E-05	-9.47E-03	-6.05E-04	-1.83E-04	-2.78E-02
Offsite Average Acute Hazard-->	4.95E-03	7.50E-01	1.34E-04	1.35E-01	4.86E-05	-1.47E-05	9.72E-05	9.17E-06	-3.90E-05	-5.98E-05	-8.96E-03	-6.07E-04	-8.83E-05	-1.79E-02	-1.14E-03	-3.47E-04	-5.23E-02
Offsite Minimum Acute Hazard-->	-9.32E-04	2.00E-01	-2.69E-03	-8.10E-03	1.01E-05	-2.05E-05	2.72E-05	-3.74E-06	-1.66E-04	-2.58E-04	-2.08E-02	-1.40E-03	-2.10E-04	-4.16E-02	-2.65E-03	-8.05E-04	-1.21E-01

Table 3-1A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 1, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
117	370814	758243	Offsite Worker	1.45E+00	1.51E+00	-7.81E-01	5.07E+00	1.07E+00	-2.39E-01	4.56E-01	1.19E-01	-2.64E+00	-2.40E+00	-1.79E-03	-1.28E-01	-8.88E-03	-1.07E-02	-6.84E-03	-1.04E-02	-6.27E+00
118	370810	758153	Offsite Worker	1.58E+00	1.60E+00	-6.72E-01	5.51E+00	1.15E+00	-2.46E-01	4.85E-01	1.33E-01	-2.55E+00	-2.32E+00	-2.06E-03	-1.48E-01	-1.02E-02	-1.24E-02	-7.87E-03	-1.19E-02	-7.22E+00
119	370807	758063	Offsite Worker	2.28E+00	2.00E+00	-1.01E-01	7.58E+00	1.45E+00	-2.46E-01	6.04E-01	1.95E-01	-2.00E+00	-1.81E+00	-2.35E-03	-1.69E-01	-1.16E-02	-1.41E-02	-8.97E-03	-1.36E-02	-8.23E+00
120	370803	757974	Offsite Worker	2.73E+00	2.32E+00	-3.08E-01	8.93E+00	1.67E+00	-2.67E-01	6.97E-01	2.18E-01	-2.58E+00	-2.37E+00	-2.73E-03	-1.96E-01	-1.35E-02	-1.64E-02	-1.04E-02	-1.58E-02	-9.57E+00
121	370835	757927	Offsite Worker	3.50E+00	2.64E+00	-5.44E-01	1.10E+01	1.89E+00	-2.23E-01	7.90E-01	2.40E-01	-3.18E+00	-3.00E+00	-3.01E-03	-2.13E-01	-1.49E-02	-1.80E-02	-1.15E-02	-1.74E-02	-1.05E+01
122	370868	757880	Offsite Worker	3.33E+00	2.56E+00	1.76E-01	1.06E+01	1.86E+00	-2.31E-01	7.69E-01	2.61E-01	-2.00E+00	-1.86E+00	-2.70E-03	-1.90E-01	-1.33E-02	-1.62E-02	-1.03E-02	-1.57E-02	-9.45E+00
123	370921	757884	Offsite Worker	3.44E+00	2.60E+00	2.35E-02	1.08E+01	1.88E+00	-2.23E-01	7.81E-01	2.58E-01	-2.33E+00	-2.16E+00	-2.97E-03	-2.08E-01	-1.46E-02	-1.78E-02	-1.13E-02	-1.72E-02	-1.04E+01
124	370975	757887	Offsite Worker	3.81E+00	2.85E+00	6.17E-01	1.20E+01	2.08E+00	-2.36E-01	8.55E-01	3.07E-01	-1.58E+00	-1.47E+00	-2.70E-03	-1.88E-01	-1.31E-02	-1.62E-02	-1.03E-02	-1.57E-02	-9.43E+00
125	370975	757794	Offsite Worker	5.15E+00	3.69E+00	2.18E+00	1.61E+01	2.73E+00	-2.60E-01	1.10E+00	4.52E-01	1.45E-01	1.38E-01	-1.92E-03	-1.30E-01	-8.93E-03	-1.15E-02	-7.27E-03	-1.11E-02	-6.66E+00
126	371026	757794	Offsite Worker	5.61E+00	4.01E+00	1.73E+00	1.74E+01	2.94E+00	-2.81E-01	1.20E+00	4.66E-01	-8.26E-01	-7.90E-01	-1.87E-03	-1.30E-01	-8.64E-03	-1.12E-02	-7.11E-03	-1.08E-02	-6.52E+00
127	371076	757877	Offsite Worker	5.04E+00	3.57E+00	1.93E+00	1.56E+01	2.63E+00	-2.41E-01	1.07E+00	4.30E-01	-1.52E-01	-1.48E-01	-1.92E-03	-1.37E-01	-9.05E-03	-1.15E-02	-7.32E-03	-1.11E-02	-6.71E+00
128	371126	757959	Offsite Worker	4.69E+00	3.27E+00	2.09E+00	1.45E+01	2.42E+00	-2.07E-01	9.80E-01	4.07E-01	3.53E-01	3.28E-01	-1.91E-03	-1.37E-01	-9.12E-03	-1.15E-02	-7.30E-03	-1.11E-02	-6.70E+00
129	371119	758031	Offsite Worker	3.74E+00	2.78E+00	1.49E+00	1.18E+01	2.05E+00	-2.25E-01	8.33E-01	3.34E-01	-1.58E-01	-1.22E-01	-1.80E-03	-1.28E-01	-8.65E-03	-1.08E-02	-6.88E-03	-1.05E-02	-6.31E+00
143	371953	757977	Offsite Worker	1.30E+00	1.90E+00	-1.24E-01	5.33E+00	1.38E+00	-4.06E-01	5.76E-01	1.84E-01	-1.98E+00	-1.68E+00	-1.31E-03	-9.64E-02	-6.29E-03	-7.88E-03	-5.03E-03	-7.61E-03	-4.61E+00
144	371948	757880	Offsite Worker	1.83E+00	1.92E+00	-3.23E-01	6.44E+00	1.39E+00	-3.07E-01	5.81E-01	1.78E-01	-2.29E+00	-2.04E+00	-1.02E-03	-7.52E-02	-4.84E-03	-6.13E-03	-3.92E-03	-5.93E-03	-3.59E+00
145	371943	757783	Offsite Worker	7.38E-01	1.64E+00	-2.63E+00	3.58E+00	1.13E+00	-4.30E-01	5.00E-01	6.00E-02	-5.64E+00	-5.14E+00	-1.54E-03	-1.18E-01	-7.53E-03	-9.23E-03	-5.93E-03	-8.92E-03	-5.44E+00
146	372016	757794	Offsite Worker	7.96E-01	1.53E+00	-2.59E+00	3.54E+00	1.05E+00	-3.79E-01	4.66E-01	5.04E-02	-5.48E+00	-5.01E+00	-1.57E-03	-1.17E-01	-7.70E-03	-9.41E-03	-6.03E-03	-9.10E-03	-5.53E+00
147	372102	757791	Offsite Worker	6.63E-01	1.36E+00	-2.51E+00	3.04E+00	9.28E-01	-3.48E-01	4.17E-01	3.68E-02	-5.24E+00	-4.79E+00	-1.61E-03	-1.19E-01	-7.92E-03	-9.64E-03	-6.16E-03	-9.32E-03	-5.65E+00
148	372178	757760	Offsite Worker	5.53E-01	1.34E+00	-1.98E+00	2.84E+00	9.29E-01	-3.63E-01	4.11E-01	5.58E-02	-4.41E+00	-3.99E+00	-1.46E-03	-1.09E-01	-7.23E-03	-8.76E-03	-5.61E-03	-8.47E-03	-5.15E+00
149	372177	757670	Offsite Worker	1.21E+00	1.60E+00	-8.35E-01	4.66E+00	1.14E+00	-3.20E-01	4.85E-01	1.26E-01	-2.86E+00	-2.54E+00	-1.50E-03	-1.07E-01	-7.38E-03	-8.99E-03	-5.72E-03	-8.69E-03	-5.25E+00
150	372176	757579	Offsite Worker	1.15E+00	1.67E+00	-3.31E-01	4.73E+00	1.21E+00	-3.57E-01	5.09E-01	1.53E-01	-2.17E+00	-1.86E+00	-1.10E-03	-8.63E-02	-5.36E-03	-6.58E-03	-4.24E-03	-6.36E-03	-3.89E+00
151	372174	757489	Offsite Worker	8.63E-01	1.54E+00	-6.14E-01	3.96E+00	1.11E+00	-3.70E-01	4.71E-01	1.29E-01	-2.48E+00	-2.15E+00	-7.68E-04	-6.05E-02	-3.65E-03	-4.61E-03	-2.97E-03	-4.46E-03	-2.73E+00
152	372173	757398	Offsite Worker	1.72E+00	1.82E+00	1.83E-01	6.22E+00	1.33E+00	-2.94E-01	5.51E-01	1.88E-01	-1.46E+00	-1.24E+00	-1.03E-03	-8.48E-02	-4.96E-03	-6.15E-03	-4.00E-03	-5.95E-03	-3.67E+00
153	372171	757308	Offsite Worker	2.94E+00	2.25E+00	1.57E+00	9.51E+00	1.67E+00	-2.00E-01	6.77E-01	2.85E-01	3.51E-01	3.98E-01	-9.80E-04	-6.80E-02	-4.54E-03	-5.88E-03	-3.73E-03	-5.68E-03	-3.42E+00
154	372055	757309	Offsite Worker	2.25E+00	2.12E+00	5.25E-01	7.84E+00	1.55E+00	-2.93E-01	6.40E-01	2.31E-01	-1.22E+00	-1.01E+00	-1.26E-03	-1.06E-01	-6.17E-03	-7.54E-03	-4.91E-03	-7.29E-03	-4.50E+00
156	372055	757416	Offsite Worker	4.40E-01	1.45E+00	-6.96E-01	3.03E+00	1.05E+00	-4.24E-01	4.45E-01	1.18E-01	-2.55E+00	-2.17E+00	-1.11E-03	-9.74E-02	-5.49E-03	-6.63E-03	-4.35E-03	-6.41E-03	-3.99E+00
157	371952	757442	Offsite Worker	1.45E+00	1.90E+00	-2.21E-01	5.77E+00	1.38E+00	-3.79E-01	5.79E-01	1.81E-01	-2.19E+00	-1.88E+00	-1.27E-03	-9.03E-02	-6.20E-03	-7.64E-03	-4.86E-03	-7.39E-03	-4.46E+00
158	371950	757345	Offsite Worker	3.33E-01	1.69E+00	-1.38E+00	3.31E+00	1.20E+00	-5.30E-01	5.19E-01	1.15E-01	-3.81E+00	-3.31E+00	-1.56E-03	-1.48E-01	-7.94E-03	-9.35E-03	-6.21E-03	-9.04E-03	-5.69E+00
159	371864	757344	Offsite Worker	-3.87E-01	1.60E+00	-1.77E+00	1.72E+00	1.13E+00	-6.44E-01	4.95E-01	9.15E-02	-4.37E+00	-3.77E+00	-1.45E-03	-1.36E-01	-7.32E-03	-8.71E-03	-5.78E-03	-8.42E-03	-5.29E+00
160	371790	757347	Offsite Worker	-2.30E-01	1.57E+00	-1.28E+00	2.04E+00	1.13E+00	-6.02E-01	4.86E-01	1.08E-01	-3.61E+00	-3.06E+00	-1.40E-03	-1.13E-01	-6.91E-03	-8.43E-03	-5.46E-03	-8.15E-03	-5.00E+00
161	371708	757356	Offsite Worker	1.29E+00	1.96E+00	-3.65E-01	5.72E+00	1.42E+00	-4.31E-01	5.96E-01	1.81E-01	-2.48E+00	-2.12E+00	-1.46E-03	-1.01E-01	-7.07E-03	-8.76E-03	-5.55E-03	-8.47E-03	-5.09E+00
162	371615	757356	Offsite Worker	2.18E+00	2.19E+00	2.01E-01	7.93E+00	1.60E+00	-3.33E-01	6.63E-01	2.25E-01	-1.79E+00	-1.54E+00	-1.55E-03	-9.52E-02	-7.41E-03	-9.31E-03	-5.81E-03	-9.00E-03	-5.33E+00
163	371523	757356	Offsite Worker	2.75E+00	2.45E+00	6.83E-01	9.49E+00	1.80E+00	-3.09E-01	7.39E-01	2.70E-01	-1.26E+00	-1.06E+00	-1.84E-03	-1.18E-01	-8.86E-03	-1.10E-02	-6.91E-03	-1.06E-02	-6.34E+00
164	371430	757356	Offsite Worker	3.47E+00	2.82E+00	1.13E+00	1.15E+01	2.07E+00	-2.94E-01	8.49E-01	3.24E-01	-8.48E-01	-7.05E-01	-2.15E-03	-1.51E-01	-1.06E-02	-1.29E-02	-8.21E-03	-1.25E-02	-7.53E+00
165	371338	757356	Offsite Worker	3.67E+00	3.05E+00	1.04E+00	1.22E+01	2.24E+00	-3.33E-01	9.17E-01	3.43E-01	-1.19E+00	-1.02E+00	-2.66E-03	-1.98E-01	-1.32E-02	-1.59E-02	-1.02E-02	-1.54E-02	-9.37E+00
166	371245	757356	Offsite Worker	3.49E+00	3.20E+00	3.43E-01	1.19E+01	2.33E+00	-4.24E-01	9.65E-01	3.32E-01	-2.40E+00	-2.13E+00	-3.46E-03	-2.65E-01	-1.73E-02	-2.08E-02	-1.33E-02	-2.01E-02	-1.22E+01
167	371153	757356	Offsite Worker	3.41E+00	3.30E+00	-7.08E-01	1.17E+01	2.38E+00	-4.76E-01	9.97E-01	3.00E-01	-4.14E+00	-3.75E+00	-4.27E-03	-3.31E-01	-2.15E-02	-2.56E-02	-1.65E-02	-2.48E-02	-1.51E+01
168	371061	757356	Offsite Worker	3.30E+00	3.38E+00	-1.62E+00	1.15E+01	2.41E+00	-5.27E-01	1.02E+00	2.72E-01	-5.64E+00	-5.14E+00	-4.90E-03	-3.81E-01	-2.47E-02	-2.94E-02	-1.89E-02	-2.84E-02	-1.74E+01
169	371005	757357	Offsite Worker	2.95E+00	3.30E+00	-2.35E+00	1.06E+01	2.33E+00	-5.69E-01	9.97E-01	2.36E-01	-6.68E+00	-6.11E+00	-5.12E-03	-3.96E-01	-2.57E-02	-3.07E-02	-1.98E-02	-2.97E-02	-1.81E+01
170	370998	757293	Offsite Worker	3.04E+00	3.63E+00	-1.10E+00	1.14E+01	2.62E+00	-6.69E-01	1.10E+00	3.19E-01	-5.12E+00	-4.55E+00	-4.46E-03	-3.51E-01	-2.23E-02	-2.68E-02	-1.73E-02	-2.59E-02	-1.58E+01
171	370998	757194	Offsite Worker	3.37E+00	3.47E+00	2.01E+00	1.24E+01	2.58E+00	-5.43E-01	1.05E+00	4.24E-01	-2.07E-01	7.34E-02	-2.95E-03	-2.31E-01	-1.45E-02	-1.77E-02	-1.14E-02	-1.71E-02	-1.05E+01
172	370998	757096	Offsite Worker	2.00E+00	2.89E+00	1.49E+00	8.94E+00	2.15E+00	-6.16E-01	8.81E-01	3.46E-01	-6.09E-01	-2.05E-01	-2.70E-03	-1.92E-01	-1.31E-02	-1.62E-02	-1.03E-02	-1.57E-02	-9.46E+00
173	370998	756998	Offsite Worker	2.77E-01	1.79E+00	-3.18E+00	3.51E+00	1.25E+00	-5.81E-01	5.74E-01	4.58E-02	-8.03E+00	-6.88E+00	-2.86E-03	-1.94E-01	-1.42E-02	-1.72E-02	-1.09E-02	-1.66E-02	-9.97E+00
174	371057	756997	Offsite Worker	1.47E+00	2.14E+00	-1.87E+00	6.71E+00	1.53E+00	-4.63E-01	6.66E-01	1.35E-01	-5.74E+00	-4.96E+00	-2.98E-03	-1.99E-01	-1.47E-02	-1.79E-02	-1.13E-02	-1.73E-02	-1.03E+01
175	371153	756997	Offsite Worker	1.03E+00	2.04E+00	-1.92E+00	5.70E+00	1.45E+00	-5.14E-01	6.32E-01	1.24E-01	-5.50E+00	-4.77E+00	-2.29E-03	-1.52E-01	-1.12E-02	-1.37E-02	-8.66E-03	-1.33E-02	-7.95E+00
176	371249	756997	Offsite Worker	1.12E+00	2.07E+00	-2.16E+00	5.87E+00	1.46E+00	-5.07E-01	6.43E-01	1.17E-01	-5.99E+00	-5.22E+00	-2.28E-03	-1.46E-01	-1.11E-02	-1.37E-02	-8.60E-03	-1.32E-02	-7.89E+00
177	371345	756997	Offsite Worker	2.30E+00	2.47E+00	-1.68E+00	8.87E+00	1.77E+00	-4.11E-01	7.62E-01	1.75E-01	-5.65E+00	-4.96E+00	-1.87E-03	-1.06E-01	-8.86E-03	-1.12E-02	-6.94E-03	-1.08E-02	-6.37E+00
178	371440	756997	Offsite Worker	3.55E+00	2.99E+00	3.40E-02	1.24E+01	2.17E+00	-3.40E-01	9.05E-01	2.96E-01	-2.96E+00	-2.61E+00	-1.79E-03	-1.01E-01	-8.39E-03	-1.07E-02	-6.64E-03	-1.04E-02	-6.10E+00
179	371536	756997	Offsite Worker	4.29E+00	3.25E+00	1.18E+00	1.45E+01	2.39E+00	-2.81E-01	9.79E-01	3.68E-01	-1.27E+00	-1.09E+00	-1.83E-03	-1.06E-01	-8.60E-03	-1.10E-02	-6.82E-03	-1.06E-02	-6.26E+00
180	371632	756997	Offsite Worker	4.57E+00	3.27E+00	2.14E+00	1.52E+01	2.42E+00	-2.31E-01	9.82E-01	4.08E-01	2.65E-01	3.15E-01	-1.76E-03	-1.05E-01	-8.27E-03	-1.05E-02	-6.56E-03	-1.02E-02	-6.02E+00
181	371728	756997	Offsite Worker	4.60E+00	3.18E+00	2.50E+00	1.52E+01	2.37E+00	-1.91E-01	9.54E-01	4.13E-01	9.43E-01	9.23E-01	-1.45E-03	-9.26E-02	-6.86E-03	-8.73E-03	-5.47E-03	-8.44E-03	-5.02E+00
182	371824	756997	Offsite Worker	3.94E+00	2.81E+00	1.86E+00	1.32E+01	2.08E+00	-1.93E-01	8.42E-01	3.51E-01	2.77E-01	3.09E-01	-1.36E-03	-8.27E-02	-6.35E-03	-8.13E-03	-5.08E-03	-7.86E-03	-4.66E+00
183	371920	756997	Offsite Worker	2.35E+00	1.97E+00	1.72E+00	8.75E+00	1.48E+00	-2.21E-01	5.96E-01	2.63E-01	7.05E-01	7.97E-01	-2.11E-04	9.79E-03	-2.20E-04	-1.26E-03	-6.27E-04	-1.22E-03	-5.79E-01
184	372016	756997	Offsite Worker	2.41E+00	1.97E+00	2.42E+00	8.96E+00	1.50E+00	-2.06E-01	5.95E-01	2.90E-01	1.80E+00	1.83E+00	3.62E-04	4.81E-02	2.73E-03	2.17E-03	1.54E-03	2.10E-03	1.41E+00
185	372111	756997	Offsite Worker	3.91E+00	2.66E+00	4.96E+00	1.33E+01	2.06E+00	-1.45E-01	7.98E-01	4.58E-01	5.19E+00	4.97E+00	8.08E-04	6.76E-02	4.95E-03	4.85E-03	3.15E-03	4.68E-03	2.89E+00
186	372207	756997	Offsite Worker	1.94E+00	1.65E+00	2.27E+00	7.55E+00	1.26E+00	-1.89E-01	4.99E-01	2.52E-01	1.84E+00	1.87E+00	2.23E-04	2.07E-02	1.76E-03	1.34E-03	8.87E-04	1.30E-03	8.13E-01

Table 3-1A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 1, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
187	372303	756997	Offsite Worker	3.20E+00	2.26E+00	3.51E+00	1.11E+01	1.73E+00	-1.50E-01	6.80E-01	3.62E-01	3.29E+00	3.19E+00	4.35E-04	4.23E-02	2.98E-03	2.61E-03	1.74E-03	2.52E-03	1.60E+00
188	372399	756997	Offsite Worker	4.17E+00	2.73E+00	5.06E+00	1.39E+01	2.11E+00	-1.19E-01	8.18E-01	4.69E-01	5.32E+00	5.06E+00	8.83E-04	7.58E-02	5.35E-03	5.30E-03	3.46E-03	5.12E-03	3.17E+00
189	372495	756997	Offsite Worker	6.50E+00	3.86E+00	9.36E+00	2.06E+01	3.04E+00	-4.69E-02	1.15E+00	7.51E-01	1.11E+01	1.04E+01	2.19E-03	1.73E-01	1.23E-02	1.32E-02	8.49E-03	1.27E-02	7.79E+00
190	372591	756997	Offsite Worker	6.78E+00	3.97E+00	9.72E+00	2.13E+01	3.13E+00	-2.88E-02	1.18E+00	7.76E-01	1.16E+01	1.09E+01	2.32E-03	1.84E-01	1.29E-02	1.39E-02	9.00E-03	1.35E-02	8.25E+00
191	372610	757063	Offsite Worker	6.09E+00	3.61E+00	8.96E+00	1.88E+01	2.85E+00	-3.98E-02	1.08E+00	7.10E-01	1.07E+01	1.00E+01	2.28E-03	1.78E-01	1.26E-02	1.37E-02	8.80E-03	1.32E-02	8.07E+00
192	372612	757132	Offsite Worker	3.93E+00	2.51E+00	4.13E+00	1.24E+01	1.93E+00	-9.02E-02	7.52E-01	4.11E-01	4.12E+00	3.90E+00	7.32E-04	6.69E-02	4.44E-03	4.39E-03	2.90E-03	4.24E-03	2.66E+00
193	372614	757201	Offsite Worker	1.29E+00	1.18E+00	4.19E-02	4.96E+00	8.60E-01	-1.56E-01	3.58E-01	1.18E-01	-1.12E+00	-9.75E-01	-7.02E-04	-4.11E-02	-3.21E-03	-4.21E-03	-2.62E-03	-4.07E-03	-2.40E+00
194	372616	757270	Offsite Worker	1.96E+00	1.52E+00	1.23E+00	6.60E+00	1.14E+00	-1.41E-01	4.58E-01	1.99E-01	4.55E-01	4.92E-01	-3.62E-04	-1.57E-02	-1.35E-03	-2.17E-03	-1.31E-03	-2.10E-03	-1.20E+00
195	372627	757351	Offsite Worker	2.24E+00	1.68E+00	1.88E+00	7.35E+00	1.27E+00	-1.40E-01	5.05E-01	2.40E-01	1.36E+00	1.33E+00	-1.27E-04	-4.11E-03	-1.52E-04	-7.61E-04	-4.49E-04	-7.36E-04	-4.12E-01
196	372651	757422	Offsite Worker	2.30E+00	1.71E+00	1.88E+00	7.47E+00	1.29E+00	-1.37E-01	5.13E-01	2.43E-01	1.31E+00	1.30E+00	-1.89E-04	-7.36E-03	-5.01E-04	-1.13E-03	-6.78E-04	-1.10E-03	-6.23E-01
197	372676	757494	Offsite Worker	2.59E+00	1.89E+00	1.89E+00	8.29E+00	1.42E+00	-1.46E-01	5.69E-01	2.62E-01	1.18E+00	1.16E+00	-5.92E-04	-3.90E-02	-2.62E-03	-3.55E-03	-2.24E-03	-3.43E-03	-2.05E+00
198	372704	757569	Offsite Worker	2.67E+00	1.94E+00	1.28E+00	8.44E+00	1.44E+00	-1.45E-01	5.83E-01	2.42E-01	1.98E-01	2.20E-01	-9.00E-04	-6.35E-02	-4.28E-03	-5.40E-03	-3.43E-03	-5.22E-03	-3.15E+00
199	372733	757645	Offsite Worker	2.22E+00	1.82E+00	5.93E-01	7.26E+00	1.34E+00	-1.95E-01	5.48E-01	2.04E-01	-7.54E-01	-6.52E-01	-9.72E-04	-6.96E-02	-4.71E-03	-5.83E-03	-3.71E-03	-5.64E-03	-3.41E+00
200	372746	757702	Offsite Worker	1.84E+00	1.70E+00	1.50E-01	6.26E+00	1.24E+00	-2.27E-01	5.12E-01	1.74E-01	-1.35E+00	-1.19E+00	-8.77E-04	-6.33E-02	-4.26E-03	-5.26E-03	-3.35E-03	-5.08E-03	-3.07E+00
201	372746	757768	Offsite Worker	1.40E+00	1.51E+00	-1.69E-01	5.00E+00	1.09E+00	-2.49E-01	4.56E-01	1.43E-01	-1.70E+00	-1.49E+00	-1.05E-03	-7.74E-02	-5.17E-03	-6.28E-03	-4.02E-03	-6.07E-03	-3.68E+00
202	372807	757781	Offsite Worker	1.51E+00	1.53E+00	-5.08E-02	5.28E+00	1.11E+00	-2.34E-01	4.62E-01	1.50E-01	-1.52E+00	-1.34E+00	-9.43E-04	-6.83E-02	-4.63E-03	-5.66E-03	-3.61E-03	-5.47E-03	-3.31E+00
203	372901	757782	Offsite Worker	1.78E+00	1.58E+00	2.67E-01	6.08E+00	1.15E+00	-1.98E-01	4.76E-01	1.67E-01	-1.06E+00	-9.30E-01	-5.26E-04	-2.88E-02	-2.39E-03	-3.16E-03	-1.95E-03	-3.05E-03	-1.79E+00
204	372994	757783	Offsite Worker	2.05E+00	1.64E+00	5.81E-01	6.79E+00	1.20E+00	-1.64E-01	4.93E-01	1.85E-01	-6.16E-01	-5.32E-01	-8.25E-04	-4.84E-02	-3.91E-03	-4.95E-03	-3.07E-03	-4.78E-03	-2.82E+00
205	373087	757783	Offsite Worker	2.29E+00	1.68E+00	9.21E-01	7.37E+00	1.24E+00	-1.31E-01	5.05E-01	2.03E-01	-1.17E-01	-8.13E-02	-9.20E-04	-5.49E-02	-4.37E-03	-5.52E-03	-3.44E-03	-5.34E-03	-3.15E+00
206	373180	757784	Offsite Worker	2.51E+00	1.74E+00	1.13E+00	7.93E+00	1.29E+00	-1.06E-01	5.22E-01	2.17E-01	1.69E-01	1.72E-01	-9.56E-04	-5.71E-02	-4.53E-03	-5.74E-03	-3.57E-03	-5.55E-03	-3.28E+00
207	373274	757785	Offsite Worker	2.53E+00	1.70E+00	1.18E+00	7.89E+00	1.26E+00	-8.73E-02	5.08E-01	2.14E-01	2.72E-01	2.63E-01	-9.01E-04	-5.20E-02	-4.25E-03	-5.40E-03	-3.35E-03	-5.22E-03	-3.07E+00
208	373367	757786	Offsite Worker	2.24E+00	1.55E+00	1.15E+00	7.07E+00	1.15E+00	-9.31E-02	4.64E-01	1.98E-01	3.47E-01	3.45E-01	-8.09E-04	-4.67E-02	-3.77E-03	-4.85E-03	-3.01E-03	-4.69E-03	-2.76E+00
209	373418	757742	Offsite Worker	2.45E+00	1.63E+00	2.17E+00	7.66E+00	1.23E+00	-7.85E-02	4.87E-01	2.46E-01	1.85E+00	1.77E+00	-6.25E-05	6.35E-03	1.51E-04	-3.75E-04	-1.61E-04	-3.62E-04	-1.49E-01
210	373418	757653	Offsite Worker	2.91E+00	1.82E+00	2.71E+00	8.94E+00	1.39E+00	-5.26E-02	5.44E-01	2.87E-01	2.57E+00	2.41E+00	1.62E-05	1.73E-02	6.42E-04	9.70E-05	1.77E-04	9.38E-05	1.61E-01
211	373419	757564	Offsite Worker	2.48E+00	1.60E+00	1.34E+00	7.62E+00	1.19E+00	-6.18E-02	4.78E-01	2.11E-01	6.41E-01	5.90E-01	-4.66E-04	-1.70E-02	-1.90E-03	-2.80E-03	-1.66E-03	-2.71E-03	-1.53E+00
212	373419	757475	Offsite Worker	1.30E+00	1.00E+00	3.08E-01	4.25E+00	7.35E-01	-9.11E-02	3.02E-01	1.11E-01	-5.10E-01	-4.37E-01	-5.73E-04	-3.62E-02	-2.69E-03	-3.44E-03	-2.15E-03	-3.32E-03	-1.98E+00
213	373420	757386	Offsite Worker	1.26E+00	9.76E-01	3.04E-01	4.12E+00	7.16E-01	-9.04E-02	2.95E-01	1.08E-01	-4.93E-01	-4.21E-01	-5.41E-04	-2.94E-02	-2.46E-03	-3.25E-03	-2.00E-03	-3.14E-03	-1.84E+00
214	373420	757297	Offsite Worker	1.46E+00	1.08E+00	3.12E-01	4.65E+00	7.94E-01	-8.85E-02	3.27E-01	1.19E-01	-5.86E-01	-5.11E-01	-6.51E-04	-3.73E-02	-3.02E-03	-3.91E-03	-2.42E-03	-3.78E-03	-2.22E+00
215	373421	757207	Offsite Worker	1.69E+00	1.20E+00	3.36E-01	5.26E+00	8.80E-01	-8.32E-02	3.62E-01	1.32E-01	-6.30E-01	-5.69E-01	-8.28E-04	-5.57E-02	-4.01E-03	-4.97E-03	-3.14E-03	-4.81E-03	-2.88E+00
216	373421	757118	Offsite Worker	1.37E+00	1.12E+00	-1.95E-02	4.36E+00	8.11E-01	-1.18E-01	3.38E-01	1.10E-01	-1.15E+00	-1.03E+00	-8.92E-04	-6.31E-02	-4.34E-03	-5.35E-03	-3.40E-03	-5.18E-03	-3.12E+00
217	373292	757117	Offsite Worker	1.83E+00	1.37E+00	2.61E-01	5.80E+00	9.97E-01	-1.12E-01	4.12E-01	1.45E-01	-9.09E-01	-8.18E-01	-9.05E-04	-6.53E-02	-4.40E-03	-5.43E-03	-3.46E-03	-5.25E-03	-3.17E+00
218	373213	757118	Offsite Worker	2.16E+00	1.54E+00	5.00E-01	6.84E+00	1.13E+00	-1.07E-01	4.62E-01	1.72E-01	-6.72E-01	-6.08E-01	-7.92E-04	-5.56E-02	-3.80E-03	-4.75E-03	-3.02E-03	-4.59E-03	-2.77E+00
219	373158	757066	Offsite Worker	2.20E+00	1.60E+00	4.61E-01	6.93E+00	1.17E+00	-1.21E-01	4.82E-01	1.77E-01	-7.95E-01	-7.18E-01	-8.42E-04	-6.10E-02	-4.05E-03	-5.05E-03	-3.22E-03	-4.88E-03	-2.95E+00
220	373084	757026	Offsite Worker	2.20E+00	1.63E+00	4.99E-01	6.99E+00	1.20E+00	-1.32E-01	4.92E-01	1.81E-01	-7.74E-01	-6.90E-01	-8.38E-04	-6.07E-02	-4.03E-03	-5.03E-03	-3.21E-03	-4.86E-03	-2.94E+00
221	373009	757011	Offsite Worker	2.62E+00	1.87E+00	7.76E-01	8.18E+00	1.37E+00	-1.29E-01	5.61E-01	2.15E-01	-5.32E-01	-4.76E-01	-7.35E-04	-5.13E-02	-3.45E-03	-4.41E-03	-2.80E-03	-4.27E-03	-2.57E+00
222	372922	757009	Offsite Worker	2.96E+00	2.04E+00	1.12E+00	9.18E+00	1.51E+00	-1.23E-01	6.13E-01	2.46E-01	-1.41E-01	-1.18E-01	-6.25E-04	-4.30E-02	-2.85E-03	-3.75E-03	-2.38E-03	-3.63E-03	-2.18E+00
223	372835	757007	Offsite Worker	2.82E+00	2.00E+00	8.66E-01	8.82E+00	1.47E+00	-1.34E-01	6.00E-01	2.32E-01	-5.12E-01	-4.58E-01	-5.85E-04	-3.99E-02	-2.59E-03	-3.51E-03	-2.22E-03	-3.39E-03	-2.04E+00
224	372747	757006	Offsite Worker	3.08E+00	2.14E+00	1.80E+00	9.71E+00	1.60E+00	-1.31E-01	6.42E-01	2.82E-01	8.10E-01	7.94E-01	-4.33E-04	-2.39E-02	-1.77E-03	-2.60E-03	-1.60E-03	-2.51E-03	-1.47E+00
225	372660	757004	Offsite Worker	5.64E+00	3.41E+00	6.08E+00	1.74E+01	2.63E+00	-6.25E-02	1.02E+00	5.77E-01	6.41E+00	6.01E+00	1.05E-03	9.48E-02	6.24E-03	6.32E-03	4.16E-03	6.11E-03	3.81E+00
226	372651	757063	Offsite Worker	6.11E+00	3.61E+00	8.91E+00	1.89E+01	2.85E+00	-3.66E-02	1.08E+00	7.09E-01	1.06E+01	9.97E+00	2.25E-03	1.76E-01	1.25E-02	1.35E-02	8.70E-03	1.30E-02	7.98E+00
227	372629	756931	Offsite Worker	4.38E+00	2.79E+00	3.36E+00	1.33E+01	2.11E+00	-1.01E-01	8.35E-01	4.08E-01	2.68E+00	2.52E+00	-4.94E-05	8.18E-03	3.13E-04	-2.96E-04	-1.05E-04	-2.86E-04	-9.77E-02
228	372631	756857	Offsite Worker	4.44E+00	2.82E+00	3.36E+00	1.34E+01	2.13E+00	-9.69E-02	8.43E-01	4.11E-01	2.67E+00	2.50E+00	1.65E-04	1.92E-02	1.39E-03	9.92E-04	6.85E-04	9.59E-04	6.27E-01
229	372634	756783	Offsite Worker	3.62E+00	2.39E+00	2.64E+00	1.10E+01	1.80E+00	-1.12E-01	7.18E-01	3.41E-01	1.89E+00	1.80E+00	-1.62E-04	-7.73E-03	-3.54E-04	-9.70E-04	-5.90E-04	-9.38E-04	-5.42E-01
230	372702	756778	Offsite Worker	3.29E+00	2.23E+00	2.23E+00	1.01E+01	1.68E+00	-1.23E-01	6.70E-01	3.09E-01	1.38E+00	1.34E+00	-3.24E-04	-2.15E-02	-1.18E-03	-1.94E-03	-1.23E-03	-1.88E-03	-1.12E+00
231	372756	756775	Offsite Worker	2.91E+00	1.98E+00	1.98E+00	8.91E+00	1.49E+00	-1.11E-01	5.96E-01	2.74E-01	1.20E+00	1.17E+00	-3.08E-04	-2.12E-02	-1.13E-03	-1.85E-03	-1.17E-03	-1.79E-03	-1.07E+00
232	372729	756712	Offsite Worker	2.95E+00	2.04E+00	2.77E+00	9.13E+00	1.55E+00	-1.24E-01	6.14E-01	3.11E-01	2.33E+00	2.26E+00	-4.28E-05	4.54E-04	3.96E-04	-2.57E-04	-1.38E-04	-2.48E-04	-1.27E-01
233	372703	756650	Offsite Worker	3.10E+00	2.15E+00	2.41E+00	9.57E+00	1.62E+00	-1.32E-01	6.46E-01	3.07E-01	1.70E+00	1.65E+00	-2.23E-04	-1.39E-02	-5.33E-04	-1.34E-03	-8.38E-04	-1.29E-03	-7.69E-01
234	372677	756588	Offsite Worker	3.54E+00	2.38E+00	2.93E+00	1.08E+01	1.80E+00	-1.25E-01	7.15E-01	3.51E-01	2.32E+00	2.23E+00	-1.20E-04	-8.76E-03	3.04E-05	-7.20E-04	-4.60E-04	-6.96E-04	-4.22E-01
235	372619	756588	Offsite Worker	2.95E+00	2.09E+00	2.53E+00	9.18E+00	1.58E+00	-1.41E-01	6.29E-01	3.06E-01	1.91E+00	1.87E+00	1.84E-04	1.53E-02	1.66E-03	1.10E-03	7.17E-04	1.07E-03	6.57E-01
236	372622	756509	Offsite Worker	6.17E+00	4.05E+00	2.72E+00	1.85E+01	2.99E+00	-1.81E-01	1.21E+00	5.08E-01	6.42E-01	5.60E-01	-3.59E-04	-2.30E-02	-8.84E-04	-2.15E-03	-1.35E-03	-2.08E-03	-1.24E+00
237	372700	756511	Offsite Worker	5.43E+00	3.59E+00	2.48E+00	1.63E+01	2.66E+00	-1.68E-01	1.07E+00	4.53E-01	6.45E-01	5.81E-01	-6.75E-04	-5.12E-02	-3.16E-03	-4.05E-03	-2.60E-03	-3.92E-03	-2.38E+00
238	372789	756510	Offsite Worker	4.76E+00	3.19E+00	2.00E+00	1.43E+01	2.36E+00	-1.62E-01	9.54E-01	3.94E-01	2.37E-01	2.10E-01	-5.20E-04	-3.68E-02	-2.30E-03	-3.12E-03	-1.99E-03	-3.02E-03	-1.82E+00
239	372871	756509	Offsite Worker	4.24E+00	2.87E+00	1.53E+00	1.28E+01	2.12E+00	-1.58E-01	8.61E-01	3.45E-01	-2.20E-01	-2.11E-01	-5.32E-04	-3.45E-02	-2.28E-03	-3.19E-03	-2.01E-03	-3.09E-03	-1.84E+00
240	372871	756437	Offsite Worker	3.39E+00	2.41E+00	6.70E-01	1.03E+01	1.76E+00	-1.65E-01	7.24E-01	2.65E-01	-1.16E+00	-1.08E+00	-1.16E-03	-7.45E-02	-5.28E-03	-6.96E-03	-4.37E-03	-6.73E-03	-4.01E+00
241	372970	756437	Offsite Worker	2.95E+00	2.11E+00	6.33E-01	8.99E+00	1.54E+00	-1.50E-01	6.34E-01	2.34E-01	-9.69E-01	-8.89E-01	-1.46E-03	-9.55E-02	-6.84E-03	-8.73E-03	-5.50E-03	-8.44E-03	-5.04E+00
242	373069	756437	Offsite Worker	2.68E+00	1.92E+00	5.37E-01	8.17E+00	1.40E+00	-1.35E-01	5.76E-01	2.11E-01	-9.52E-01	-8.73E-01	-1.31E-03	-8.90E-02	-6.24E-03	-7.89E-03	-4.99E-03	-7.63E-03	-4.57E+00

Table 3-1A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 1, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
243	373168	756437	Offsite Worker	2.68E+00	1.89E+00	5.19E-01	8.13E+00	1.38E+00	-1.26E-01	5.68E-01	2.07E-01	-9.40E-01	-8.71E-01	-9.43E-04	-6.73E-02	-4.47E-03	-5.66E-03	-3.60E-03	-5.47E-03	-3.30E+00
244	373267	756437	Offsite Worker	2.75E+00	1.91E+00	5.75E-01	8.31E+00	1.40E+00	-1.17E-01	5.72E-01	2.11E-01	-8.51E-01	-7.98E-01	-8.82E-04	-6.25E-02	-4.16E-03	-5.29E-03	-3.36E-03	-5.12E-03	-3.09E+00
245	373412	756437	Offsite Worker	2.69E+00	1.84E+00	7.40E-01	8.10E+00	1.35E+00	-1.05E-01	5.51E-01	2.11E-01	-5.25E-01	-4.94E-01	-7.90E-04	-5.57E-02	-3.70E-03	-4.74E-03	-3.01E-03	-4.58E-03	-2.76E+00
246	373409	756339	Offsite Worker	2.38E+00	1.80E+00	-4.30E-02	7.31E+00	1.30E+00	-1.54E-01	5.41E-01	1.76E-01	-1.76E+00	-1.62E+00	-1.42E-03	-9.78E-02	-6.93E-03	-8.52E-03	-5.40E-03	-8.24E-03	-4.95E+00
247	373406	756240	Offsite Worker	2.56E+00	1.95E+00	-2.28E-01	7.87E+00	1.40E+00	-1.70E-01	5.85E-01	1.84E-01	-2.14E+00	-1.99E+00	-1.34E-03	-8.68E-02	-6.35E-03	-8.02E-03	-5.04E-03	-7.75E-03	-4.63E+00
248	373403	756142	Offsite Worker	2.70E+00	2.00E+00	5.88E-01	8.33E+00	1.46E+00	-1.59E-01	6.00E-01	2.21E-01	-9.19E-01	-8.39E-01	-8.22E-04	-5.35E-02	-3.65E-03	-4.93E-03	-3.10E-03	-4.77E-03	-2.85E+00
249	373400	756042	Offsite Worker	1.64E+00	1.78E+00	1.38E-01	5.81E+00	1.30E+00	-2.95E-01	5.37E-01	1.82E-01	-1.43E+00	-1.23E+00	-1.20E-03	-1.01E-01	-5.84E-03	-7.22E-03	-4.71E-03	-6.98E-03	-4.31E+00
250	373397	755944	Offsite Worker	8.46E-01	1.29E+00	-4.41E-01	3.45E+00	9.32E-01	-2.85E-01	3.93E-01	1.11E-01	-1.94E+00	-1.69E+00	-1.22E-03	-1.10E-01	-6.17E-03	-7.30E-03	-4.81E-03	-7.05E-03	-4.41E+00
251	373393	755846	Offsite Worker	7.04E-01	1.14E+00	-5.26E-01	2.94E+00	8.18E-01	-2.60E-01	3.47E-01	9.28E-02	-1.93E+00	-1.69E+00	-1.56E-03	-1.23E-01	-7.73E-03	-9.33E-03	-6.02E-03	-9.02E-03	-5.52E+00
252	373390	755747	Offsite Worker	1.19E+00	1.30E+00	-6.42E-01	4.15E+00	9.25E-01	-2.17E-01	3.92E-01	1.04E-01	-2.19E+00	-1.99E+00	-1.45E-03	-1.05E-01	-7.04E-03	-8.68E-03	-5.54E-03	-8.39E-03	-5.08E+00
253	373309	755744	Offsite Worker	1.38E+00	1.41E+00	-6.37E-01	4.70E+00	1.01E+00	-2.19E-01	4.26E-01	1.15E-01	-2.26E+00	-2.07E+00	-1.47E-03	-1.06E-01	-7.16E-03	-8.83E-03	-5.63E-03	-8.54E-03	-5.16E+00
254	373229	755743	Offsite Worker	1.46E+00	1.47E+00	-5.71E-01	4.96E+00	1.05E+00	-2.25E-01	4.45E-01	1.24E-01	-2.21E+00	-2.02E+00	-1.51E-03	-1.09E-01	-7.35E-03	-9.08E-03	-5.79E-03	-8.78E-03	-5.31E+00
255	373143	755741	Offsite Worker	1.41E+00	1.48E+00	-4.10E-01	4.89E+00	1.07E+00	-2.38E-01	4.48E-01	1.32E-01	-1.97E+00	-1.79E+00	-1.60E-03	-1.18E-01	-7.77E-03	-9.57E-03	-6.12E-03	-9.25E-03	-5.61E+00
256	373143	755823	Offsite Worker	9.75E-01	1.36E+00	-9.32E-01	3.77E+00	9.65E-01	-2.83E-01	4.12E-01	9.90E-02	-2.69E+00	-2.43E+00	-1.57E-03	-1.22E-01	-7.76E-03	-9.43E-03	-6.07E-03	-9.12E-03	-5.57E+00
257	373143	755906	Offsite Worker	4.71E-01	1.31E+00	-1.01E+00	2.66E+00	9.34E-01	-3.69E-01	4.01E-01	9.17E-02	-2.82E+00	-2.49E+00	-1.40E-03	-1.27E-01	-7.06E-03	-8.38E-03	-5.53E-03	-8.10E-03	-5.06E+00
258	373065	755906	Offsite Worker	4.30E-01	1.34E+00	-1.24E+00	2.59E+00	9.43E-01	-3.85E-01	4.08E-01	8.50E-02	-3.18E+00	-2.83E+00	-1.41E-03	-1.28E-01	-7.11E-03	-8.44E-03	-5.57E-03	-8.16E-03	-5.10E+00
259	373065	755827	Offsite Worker	6.09E-01	1.33E+00	-1.04E+00	2.97E+00	9.40E-01	-3.45E-01	4.03E-01	9.19E-02	-2.83E+00	-2.53E+00	-1.68E-03	-1.39E-01	-8.40E-03	-1.01E-02	-6.57E-03	-9.77E-03	-6.02E+00
260	373068	755733	Offsite Worker	1.75E+00	1.60E+00	-2.81E-01	5.75E+00	1.15E+00	-2.10E-01	4.81E-01	1.48E-01	-1.87E+00	-1.71E+00	-1.62E-03	-1.15E-01	-7.86E-03	-9.73E-03	-6.19E-03	-9.41E-03	-5.68E+00
261	373007	755733	Offsite Worker	1.79E+00	1.60E+00	-3.01E-01	5.83E+00	1.15E+00	-2.04E-01	4.82E-01	1.47E-01	-1.91E+00	-1.75E+00	-1.62E-03	-1.13E-01	-7.83E-03	-9.74E-03	-6.18E-03	-9.41E-03	-5.67E+00
262	372941	755733	Offsite Worker	1.88E+00	1.61E+00	-3.94E-01	6.02E+00	1.16E+00	-1.90E-01	4.86E-01	1.45E-01	-2.06E+00	-1.91E+00	-1.70E-03	-1.18E-01	-8.24E-03	-1.02E-02	-6.49E-03	-9.89E-03	-5.95E+00
263	372941	755636	Offsite Worker	1.25E+00	1.09E+00	-3.12E-01	4.01E+00	7.82E-01	-1.32E-01	3.29E-01	9.53E-02	-1.55E+00	-1.41E+00	-1.73E-03	-1.14E-01	-8.38E-03	-1.04E-02	-6.53E-03	-1.00E-02	-5.99E+00
264	372941	755539	Offsite Worker	8.91E-01	8.77E-01	-7.02E-01	2.94E+00	6.19E-01	-1.30E-01	2.66E-01	5.91E-02	-1.96E+00	-1.79E+00	-1.83E-03	-1.27E-01	-9.07E-03	-1.10E-02	-6.98E-03	-1.06E-02	-6.40E+00
265	372941	755442	Offsite Worker	-8.60E-02	3.77E-01	-7.80E-01	2.39E-01	2.59E-01	-1.51E-01	1.19E-01	6.57E-03	-1.69E+00	-1.49E+00	-2.50E-03	-1.73E-01	-1.25E-02	-1.50E-02	-9.50E-03	-1.45E-02	-8.71E+00
266	372913	755342	Offsite Worker	-1.59E-01	3.35E-01	-1.14E+00	-2.29E-03	2.18E-01	-1.51E-01	1.06E-01	-1.18E-02	-2.20E+00	-1.97E+00	-3.75E-03	-2.62E-01	-1.89E-02	-2.25E-02	-1.43E-02	-2.18E-02	-1.31E+01
267	372817	755346	Offsite Worker	-3.53E-01	2.41E-01	-1.54E+00	-5.76E-01	1.40E-01	-1.57E-01	7.80E-02	-3.71E-02	-2.76E+00	-2.49E+00	-4.68E-03	-3.26E-01	-2.36E-02	-2.81E-02	-1.78E-02	-2.71E-02	-1.63E+01
268	372720	755349	Offsite Worker	-1.09E-03	4.19E-01	-2.04E+00	3.44E-01	2.54E-01	-1.49E-01	1.31E-01	-3.90E-02	-3.66E+00	-3.37E+00	-7.05E-03	-4.88E-01	-3.56E-02	-4.23E-02	-2.68E-02	-4.09E-02	-2.46E+01
269	372624	755352	Offsite Worker	6.70E-01	7.76E-01	-2.71E+00	2.15E+00	4.90E-01	-1.40E-01	2.35E-01	-3.01E-02	-4.94E+00	-4.64E+00	-1.02E-02	-7.04E-01	-5.15E-02	-6.10E-02	-3.87E-02	-5.90E-02	-3.55E+01
270	372527	755349	Offsite Worker	7.72E-01	8.21E-01	-2.81E+00	2.41E+00	5.19E-01	-1.35E-01	2.48E-01	-2.96E-02	-5.13E+00	-4.82E+00	-7.08E-03	-4.96E-01	-3.58E-02	-4.25E-02	-2.70E-02	-4.11E-02	-2.47E+01
271	372431	755353	Offsite Worker	3.20E-01	5.61E-01	-2.39E+00	1.17E+00	3.44E-01	-1.34E-01	1.72E-01	-3.87E-02	-4.29E+00	-3.99E+00	-6.39E-03	-4.44E-01	-3.23E-02	-3.84E-02	-2.43E-02	-3.71E-02	-2.23E+01
272	372334	755356	Offsite Worker	-3.56E-02	3.80E-01	-2.00E+00	2.29E-01	2.26E-01	-1.42E-01	1.18E-01	-4.12E-02	-3.55E+00	-3.27E+00	-6.14E-03	-4.26E-01	-3.10E-02	-3.68E-02	-2.33E-02	-3.56E-02	-2.14E+01
273	372237	755359	Offsite Worker	4.08E-01	5.97E-01	-2.11E+00	1.43E+00	3.77E-01	-1.29E-01	1.82E-01	-2.43E-02	-3.89E+00	-3.62E+00	-6.11E-03	-4.27E-01	-3.09E-02	-3.67E-02	-2.33E-02	-3.54E-02	-2.13E+01
274	372141	755362	Offsite Worker	3.66E-01	5.77E-01	-1.43E+00	1.40E+00	3.81E-01	-1.30E-01	1.76E-01	8.62E-04	-2.78E+00	-2.58E+00	-1.10E-02	-7.67E-01	-5.58E-02	-6.61E-02	-4.19E-02	-6.39E-02	-3.85E+01
275	372044	755366	Offsite Worker	8.34E-01	8.36E-01	-1.06E+00	2.75E+00	5.78E-01	-1.27E-01	2.53E-01	4.10E-02	-2.43E+00	-2.25E+00	-1.11E-02	-7.74E-01	-5.61E-02	-6.64E-02	-4.21E-02	-6.42E-02	-3.86E+01
276	371948	755369	Offsite Worker	7.49E-01	8.24E-01	-5.95E-01	2.60E+00	5.84E-01	-1.40E-01	2.50E-01	5.81E-02	-1.75E+00	-1.58E+00	-5.97E-03	-4.19E-01	-3.02E-02	-3.58E-02	-2.27E-02	-3.46E-02	-2.09E+01
277	371851	755372	Offsite Worker	-5.10E-01	3.07E-01	-1.88E+00	-8.45E-01	1.81E-01	-2.12E-01	9.99E-02	-4.38E-02	-3.40E+00	-3.05E+00	-4.96E-03	-3.51E-01	-2.51E-02	-2.98E-02	-1.89E-02	-2.88E-02	-1.74E+01
278	371755	755375	Offsite Worker	-1.45E+00	-5.77E-02	-3.56E+00	-3.43E+00	-1.26E-01	-2.74E-01	-7.37E-03	-1.46E-01	-5.69E+00	-5.18E+00	-5.11E-03	-3.62E-01	-2.58E-02	-3.06E-02	-1.95E-02	-2.96E-02	-1.79E+01
279	371658	755378	Offsite Worker	-1.81E+00	-2.11E-01	-4.82E+00	-4.52E+00	-2.70E-01	-2.93E-01	-5.25E-02	-2.11E-01	-7.51E+00	-6.89E+00	-5.00E-03	-3.53E-01	-2.53E-02	-3.00E-02	-1.91E-02	-2.90E-02	-1.75E+01
280	371562	755382	Offsite Worker	-1.76E+00	-2.08E-01	-3.64E+00	-4.30E+00	-2.35E-01	-2.84E-01	-5.12E-02	-1.64E-01	-5.71E+00	-5.18E+00	-4.14E-03	-2.91E-01	-2.09E-02	-2.49E-02	-1.58E-02	-2.40E-02	-1.45E+01
281	371465	755385	Offsite Worker	-3.45E-01	4.72E-01	-2.52E+00	-3.43E-01	2.83E-01	-2.37E-01	1.50E-01	-5.28E-02	-4.54E+00	-4.13E+00	-3.26E-03	-2.28E-01	-1.64E-02	-1.95E-02	-1.24E-02	-1.89E-02	-1.14E+01
282	371368	755388	Offsite Worker	1.32E+00	1.28E+00	-1.58E+00	4.29E+00	8.85E-01	-1.84E-01	3.87E-01	6.36E-02	-3.72E+00	-3.44E+00	-2.48E-03	-1.75E-01	-1.24E-02	-1.49E-02	-9.44E-03	-1.44E-02	-8.66E+00
283	371272	755391	Offsite Worker	3.21E+00	2.29E+00	1.33E+00	9.87E+00	1.69E+00	-1.58E-01	6.86E-01	2.79E-01	2.17E-02	3.00E-02	-2.12E-03	-1.54E-01	-1.05E-02	-1.27E-02	-8.10E-03	-1.23E-02	-7.43E+00
284	371175	755395	Offsite Worker	3.00E+00	2.23E+00	1.30E+00	9.36E+00	1.65E+00	-1.83E-01	6.70E-01	2.73E-01	4.18E-02	6.16E-02	-2.21E-03	-1.62E-01	-1.10E-02	-1.33E-02	-8.47E-03	-1.28E-02	-7.77E+00
285	371079	755398	Offsite Worker	1.56E+00	1.45E+00	-8.16E-01	5.13E+00	1.03E+00	-1.97E-01	4.37E-01	1.12E-01	-2.58E+00	-2.39E+00	-2.38E-03	-1.76E-01	-1.20E-02	-1.43E-02	-9.14E-03	-1.38E-02	-8.38E+00
286	371042	755478	Offsite Worker	3.51E-01	7.86E-01	-1.09E+00	1.70E+00	5.46E-01	-2.07E-01	2.41E-01	3.54E-02	-2.49E+00	-2.24E+00	-2.44E-03	-1.82E-01	-1.23E-02	-1.47E-02	-9.39E-03	-1.42E-02	-8.61E+00
287	371009	755538	Offsite Worker	5.62E-01	8.83E-01	-2.35E-01	2.36E+00	6.39E-01	-1.98E-01	2.70E-01	7.86E-02	-1.26E+00	-1.08E+00	-2.17E-03	-1.67E-01	-1.09E-02	-1.30E-02	-8.38E-03	-1.26E-02	-7.68E+00
288	370975	755597	Offsite Worker	-9.03E-01	3.35E-02	-3.24E-01	-1.83E+00	2.68E-02	-1.95E-01	1.79E-02	-9.14E-03	-7.30E-01	-5.14E-01	-2.45E-03	-1.81E-01	-1.21E-02	-1.47E-02	-9.39E-03	-1.42E-02	-8.61E+00
289	370925	755597	Offsite Worker	-1.20E+00	-8.26E-02	-1.11E+00	-2.66E+00	-7.81E-02	-2.13E-01	-1.65E-02	-5.16E-02	-1.84E+00	-1.56E+00	-2.63E-03	-1.91E-01	-1.30E-02	-1.58E-02	-1.01E-02	-1.53E-02	-9.24E+00
290	370860	755547	Offsite Worker	-7.38E-01	3.93E-01	-2.98E+00	-1.26E+00	2.14E-01	-2.89E-01	1.26E-01	-7.77E-02	-5.10E+00	-4.65E+00	-3.08E-03	-2.24E-01	-1.53E-02	-1.85E-02	-1.18E-02	-1.78E-02	-1.08E+01
291	370796	755497	Offsite Worker	1.99E+00	1.78E+00	-1.68E+00	6.37E+00	1.24E+00	-2.26E-01	5.35E-01	1.10E-01	-4.21E+00	-3.94E+00	-3.95E-03	-2.76E-01	-1.97E-02	-2.37E-02	-1.51E-02	-2.29E-02	-1.38E+01
292	370733	755428	Offsite Worker	1.16E+00	1.30E+00	-3.52E-01	4.14E+00	9.33E-01	-2.23E-01	3.93E-01	1.15E-01	-1.81E+00	-1.60E+00	-3.41E-03	-2.40E-01	-1.69E-02	-2.04E-02	-1.30E-02	-1.98E-02	-1.19E+01
293	370634	755428	Offsite Worker	-1.13E+00	1.38E-01	-3.31E+00	-2.47E+00	2.23E-02	-2.79E-01	5.07E-02	-1.16E-01	-5.44E+00	-4.96E+00	-4.33E-03	-3.04E-01	-2.16E-02	-2.60E-02	-1.65E-02	-2.51E-02	-1.51E+01
294	370536	755428	Offsite Worker	2.14E+00	1.71E+00	1.17E+00	6.86E+00	1.27E+00	-1.70E-01	5.13E-01	2.15E-01	2.31E-01	2.77E-01	-5.45E-03	-3.74E-01	-2.70E-02	-3.27E-02	-2.07E-02	-3.16E-02	-1.90E+01
295	370437	755428	Offsite Worker	1.99E+00	1.70E+00	-1.68E+00	6.27E+00	1.19E+00	-1.99E-01	5.11E-01	1.02E-01	-4.14E+00	-3.88E+00	-6.10E-03	-4.26E-01	-3.05E-02	-3.66E-02	-2.32E-02	-3.54E-02	-2.13E+01
296	370338	755427	Offsite Worker	3.04E+00	2.35E+00	-1.08E+00	9.38E+00	1.67E+00	-2.15E-01	7.04E-01	1.90E-01	-3.73E+00	-3.52E+00	-5.33E-03	-3.72E-01	-2.64E-02	-3.20E-02	-2.03E-02	-3.09E-02	-1.86E+01
307	369249	755442	Offsite Worker	3.81E+00	2.84E+00	1.05E+00	1.19E+01	2.09E+00	-2.34E-01	8.52E-01	3.24E-01	-8.79E-01	-8.14E-01	-2.11E-03	-1.45E-01	-1.04E-02	-1.26E-02	-8.01E-03	-1.22E-02	-7.35E+00
308	369151	755442	Offsite Worker	3.28E+00	2.62E+00	1.09E+00	1.05E+01	1.92E+00	-2.60E-01	7.86E-01	3.03E-01	-6.71E-01	-5.70E-01	-1.85E-03	-1.24E-01	-9.04E-03	-1.11E-02	-7.01E-03	-1.07E-02	-6.43E+00

Table 3-1A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 1, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
309	369052	755442	Offsite Worker	2.57E+00	2.24E+00	4.14E-01	8.43E+00	1.63E+00	-2.71E-01	6.74E-01	2.38E-01	-1.43E+00	-1.26E+00	-1.55E-03	-9.77E-02	-7.46E-03	-9.30E-03	-5.83E-03	-8.99E-03	-5.35E+00
320	368035	755402	Offsite Worker	3.47E+00	2.46E+00	1.20E+00	1.08E+01	1.81E+00	-1.68E-01	7.37E-01	2.92E-01	-3.08E-01	-2.93E-01	-1.57E-03	-1.12E-01	-7.77E-03	-9.40E-03	-5.99E-03	-9.09E-03	-5.49E+00
321	367960	755389	Offsite Worker	3.26E+00	2.34E+00	1.16E+00	1.02E+01	1.72E+00	-1.67E-01	7.02E-01	2.78E-01	-2.87E-01	-2.62E-01	-1.59E-03	-1.15E-01	-7.89E-03	-9.52E-03	-6.07E-03	-9.20E-03	-5.57E+00
322	367863	755390	Offsite Worker	2.88E+00	2.17E+00	1.19E+00	9.25E+00	1.60E+00	-1.82E-01	6.51E-01	2.62E-01	-1.11E-01	-7.07E-02	-1.51E-03	-1.13E-01	-7.55E-03	-9.07E-03	-5.81E-03	-8.77E-03	-5.33E+00
323	367766	755392	Offsite Worker	2.53E+00	1.96E+00	1.26E+00	8.27E+00	1.45E+00	-1.79E-01	5.88E-01	2.44E-01	1.71E-01	2.12E-01	-1.31E-03	-9.85E-02	-6.53E-03	-7.84E-03	-5.03E-03	-7.58E-03	-4.61E+00
324	367669	755393	Offsite Worker	1.93E+00	1.65E+00	6.77E-01	6.60E+00	1.22E+00	-1.94E-01	4.99E-01	1.91E-01	-5.03E-01	-3.99E-01	-1.05E-03	-8.03E-02	-5.22E-03	-6.29E-03	-4.04E-03	-6.08E-03	-3.71E+00
325	367572	755394	Offsite Worker	1.45E+00	1.38E+00	9.31E-02	5.22E+00	1.01E+00	-1.95E-01	4.18E-01	1.41E-01	-1.18E+00	-1.03E+00	-9.49E-04	-7.26E-02	-4.72E-03	-5.70E-03	-3.66E-03	-5.51E-03	-3.36E+00
326	367475	755395	Offsite Worker	1.29E+00	1.25E+00	-2.90E-01	4.71E+00	9.00E-01	-1.81E-01	3.78E-01	1.12E-01	-1.65E+00	-1.48E+00	-1.07E-03	-8.00E-02	-5.37E-03	-6.44E-03	-4.13E-03	-6.23E-03	-3.78E+00
327	370400	756850	On-Site Occupational	-1.95E+00	1.79E+00	-5.78E+00	-1.89E+00	1.18E+00	-1.03E+00	5.64E-01	-4.78E-02	-1.10E+01	-9.81E+00	-3.72E-03	-2.33E-01	-1.81E-02	-2.23E-02	-1.40E-02	-2.16E-02	-1.28E+01
1	367379	755396	Recreational	1.40E+00	1.33E+00	-3.04E-01	5.08E+00	9.59E-01	-1.87E-01	4.02E-01	1.20E-01	-1.74E+00	-1.57E+00	-1.06E-03	-7.95E-02	-5.31E-03	-6.37E-03	-4.08E-03	-6.16E-03	-3.74E+00
2	367340	755485	Recreational	1.37E+00	1.36E+00	1.38E-01	5.21E+00	9.95E-01	-2.04E-01	4.13E-01	1.41E-01	-1.09E+00	-9.39E-01	-8.77E-04	-6.66E-02	-4.35E-03	-5.26E-03	-3.38E-03	-5.08E-03	-3.10E+00
3	367301	755573	Recreational	1.33E+00	1.28E+00	-4.67E-01	5.08E+00	9.20E-01	-1.85E-01	3.88E-01	1.09E-01	-1.94E+00	-1.76E+00	-9.25E-04	-7.07E-02	-4.59E-03	-5.55E-03	-3.57E-03	-5.37E-03	-3.27E+00
4	367263	755661	Recreational	2.09E+00	1.67E+00	-4.71E-01	7.33E+00	1.19E+00	-1.66E-01	5.01E-01	1.47E-01	-2.25E+00	-2.09E+00	-1.13E-03	-8.54E-02	-5.63E-03	-6.80E-03	-4.36E-03	-6.58E-03	-4.00E+00
5	367224	755749	Recreational	2.43E+00	1.90E+00	1.90E-01	8.55E+00	1.38E+00	-1.78E-01	5.69E-01	1.95E-01	-1.43E+00	-1.32E+00	-1.00E-03	-7.20E-02	-4.91E-03	-6.02E-03	-3.83E-03	-5.82E-03	-3.52E+00
6	367186	755838	Recreational	2.85E+00	2.11E+00	1.26E+00	9.94E+00	1.56E+00	-1.68E-01	6.34E-01	2.59E-01	3.39E-02	6.75E-02	-7.10E-04	-4.97E-02	-3.32E-03	-4.26E-03	-2.70E-03	-4.12E-03	-2.48E+00
7	367147	755926	Recreational	3.31E+00	2.33E+00	1.69E+00	1.13E+01	1.73E+00	-1.53E-01	6.97E-01	2.98E-01	5.67E-01	5.40E-01	-4.21E-04	-2.63E-02	-1.78E-03	-2.53E-03	-1.58E-03	-2.44E-03	-1.45E+00
8	367109	756014	Recreational	3.14E+00	2.21E+00	1.51E+00	1.07E+01	1.64E+00	-1.45E-01	6.62E-01	2.79E-01	3.87E-01	3.67E-01	-6.90E-04	-4.70E-02	-3.17E-03	-4.14E-03	-2.62E-03	-4.00E-03	-2.40E+00
9	367070	756103	Recreational	4.05E+00	2.61E+00	2.33E+00	1.31E+01	1.95E+00	-1.02E-01	7.80E-01	3.51E-01	1.34E+00	1.22E+00	-9.74E-04	-6.60E-02	-4.60E-03	-5.85E-03	-3.69E-03	-5.65E-03	-3.39E+00
10	367032	756191	Recreational	3.85E+00	2.51E+00	2.60E+00	1.24E+01	1.88E+00	-1.08E-01	7.50E-01	3.51E-01	1.82E+00	1.69E+00	-7.65E-04	-4.74E-02	-3.47E-03	-4.59E-03	-2.87E-03	-4.44E-03	-2.63E+00
11	366993	756279	Recreational	3.25E+00	2.22E+00	2.28E+00	1.05E+01	1.66E+00	-1.26E-01	6.64E-01	3.09E-01	1.52E+00	1.45E+00	-1.00E-03	-6.54E-02	-4.70E-03	-6.00E-03	-3.78E-03	-5.80E-03	-3.46E+00
12	366954	756367	Recreational	3.12E+00	2.16E+00	2.09E+00	1.01E+01	1.62E+00	-1.31E-01	6.48E-01	2.96E-01	1.27E+00	1.22E+00	-1.04E-03	-6.94E-02	-4.94E-03	-6.24E-03	-3.94E-03	-6.04E-03	-3.61E+00
13	366916	756456	Recreational	2.50E+00	1.78E+00	1.72E+00	8.13E+00	1.34E+00	-1.24E-01	5.36E-01	2.44E-01	1.00E+00	9.83E-01	-8.93E-04	-5.97E-02	-4.24E-03	-5.36E-03	-3.38E-03	-5.18E-03	-3.10E+00
14	366877	756544	Recreational	2.83E+00	1.99E+00	1.11E+00	8.99E+00	1.47E+00	-1.31E-01	5.98E-01	2.41E-01	-1.03E-01	-8.02E-02	-7.73E-04	-5.16E-02	-3.67E-03	-4.64E-03	-2.92E-03	-4.48E-03	-2.68E+00
15	366839	756632	Recreational	2.40E+00	1.78E+00	4.95E-01	7.72E+00	1.30E+00	-1.43E-01	5.35E-01	1.96E-01	-8.62E-01	-7.88E-01	-9.60E-04	-6.73E-02	-4.68E-03	-5.76E-03	-3.66E-03	-5.57E-03	-3.35E+00
16	366800	756720	Recreational	2.15E+00	1.63E+00	4.59E-01	6.94E+00	1.20E+00	-1.44E-01	4.92E-01	1.80E-01	-8.26E-01	-7.35E-01	-8.08E-04	-5.50E-02	-3.88E-03	-4.85E-03	-3.07E-03	-4.69E-03	-2.81E+00
17	366762	756809	Recreational	2.35E+00	1.69E+00	1.00E+00	7.45E+00	1.25E+00	-1.21E-01	5.06E-01	2.06E-01	-1.97E-02	1.40E-02	-5.77E-04	-3.78E-02	-2.68E-03	-3.46E-03	-2.18E-03	-3.35E-03	-2.00E+00
18	366723	756897	Recreational	2.24E+00	1.64E+00	1.30E+00	7.17E+00	1.22E+00	-1.25E-01	4.91E-01	2.13E-01	5.05E-01	5.11E-01	-6.82E-04	-4.35E-02	-3.17E-03	-4.09E-03	-2.57E-03	-3.96E-03	-2.36E+00
19	366685	756985	Recreational	1.91E+00	1.47E+00	8.51E-01	6.20E+00	1.09E+00	-1.33E-01	4.43E-01	1.79E-01	-7.83E-02	-2.19E-02	-7.22E-04	-4.65E-02	-3.39E-03	-4.33E-03	-2.72E-03	-4.19E-03	-2.50E+00
20	366646	757074	Recreational	1.57E+00	1.29E+00	3.33E-01	5.15E+00	9.45E-01	-1.38E-01	3.89E-01	1.40E-01	-7.56E-01	-6.45E-01	-7.83E-04	-5.36E-02	-3.75E-03	-4.70E-03	-2.97E-03	-4.54E-03	-2.73E+00
21	366607	757162	Recreational	1.53E+00	1.22E+00	1.79E-01	4.95E+00	8.93E-01	-1.23E-01	3.69E-01	1.28E-01	-9.09E-01	-8.06E-01	-7.90E-04	-5.73E-02	-3.83E-03	-4.74E-03	-3.02E-03	-4.58E-03	-2.77E+00
22	366569	757250	Recreational	1.68E+00	1.23E+00	7.67E-02	5.24E+00	8.94E-01	-9.57E-02	3.70E-01	1.25E-01	-1.02E+00	-9.50E-01	-9.23E-04	-6.30E-02	-4.49E-03	-5.54E-03	-3.50E-03	-5.35E-03	-3.21E+00
23	366530	757338	Recreational	1.48E+00	1.15E+00	-9.74E-02	4.68E+00	8.30E-01	-1.07E-01	3.46E-01	1.10E-01	-1.24E+00	-1.14E+00	-8.91E-04	-6.26E-02	-4.36E-03	-5.35E-03	-3.40E-03	-5.17E-03	-3.12E+00
24	366492	757427	Recreational	1.38E+00	1.12E+00	1.17E-01	4.44E+00	8.14E-01	-1.15E-01	3.37E-01	1.15E-01	-8.99E-01	-8.01E-01	-7.64E-04	-5.26E-02	-3.70E-03	-4.59E-03	-2.90E-03	-4.43E-03	-2.66E+00
25	366453	757515	Recreational	1.38E+00	1.11E+00	3.59E-01	4.44E+00	8.16E-01	-1.13E-01	3.35E-01	1.24E-01	-5.15E-01	-4.38E-01	-7.61E-04	-5.33E-02	-3.69E-03	-4.57E-03	-2.90E-03	-4.41E-03	-2.66E+00
26	366415	757603	Recreational	1.36E+00	1.10E+00	4.08E-01	4.37E+00	8.07E-01	-1.13E-01	3.31E-01	1.25E-01	-4.32E-01	-3.56E-01	-7.86E-04	-5.59E-02	-3.81E-03	-4.71E-03	-3.00E-03	-4.56E-03	-2.75E+00
27	366376	757692	Recreational	1.42E+00	1.15E+00	4.41E-01	4.56E+00	8.43E-01	-1.18E-01	3.46E-01	1.31E-01	-4.15E-01	-3.42E-01	-7.85E-04	-5.63E-02	-3.80E-03	-4.71E-03	-3.00E-03	-4.55E-03	-2.75E+00
84	369336	758100	Recreational	4.23E+00	2.86E+00	2.06E+00	1.30E+01	2.12E+00	-1.54E-01	8.56E-01	3.65E-01	7.07E-01	6.40E-01	-1.56E-03	-1.06E-01	-7.42E-03	-9.35E-03	-5.91E-03	-9.04E-03	-5.43E+00
85	369269	758170	Recreational	5.31E+00	3.44E+00	2.78E+00	1.60E+01	2.55E+00	-1.38E-01	1.03E+00	4.50E-01	1.37E+00	1.22E+00	-1.56E-03	-1.04E-01	-7.41E-03	-9.37E-03	-5.91E-03	-9.06E-03	-5.42E+00
86	369202	758239	Recreational	5.27E+00	3.42E+00	2.69E+00	1.59E+01	2.54E+00	-1.40E-01	1.02E+00	4.45E-01	1.23E+00	1.09E+00	-1.62E-03	-1.09E-01	-7.80E-03	-9.75E-03	-6.15E-03	-9.42E-03	-5.64E+00
87	369264	758285	Recreational	4.36E+00	2.91E+00	2.31E+00	1.33E+01	2.16E+00	-1.44E-01	8.68E-01	3.79E-01	1.07E+00	9.73E-01	-1.13E-03	-7.59E-02	-5.30E-03	-6.80E-03	-4.29E-03	-6.57E-03	-3.94E+00
88	369326	758330	Recreational	3.92E+00	2.61E+00	1.83E+00	1.19E+01	1.93E+00	-1.29E-01	7.80E-01	3.31E-01	5.90E-01	5.12E-01	-1.49E-03	-1.03E-01	-7.23E-03	-8.95E-03	-5.67E-03	-8.65E-03	-5.20E+00
89	369389	758376	Recreational	3.27E+00	2.22E+00	1.26E+00	9.97E+00	1.64E+00	-1.22E-01	6.64E-01	2.70E-01	2.97E-02	3.12E-04	-1.44E-03	-1.00E-01	-7.02E-03	-8.64E-03	-5.48E-03	-8.36E-03	-5.03E+00
90	369389	758462	Recreational	2.74E+00	1.93E+00	9.57E-01	8.44E+00	1.42E+00	-1.29E-01	5.79E-01	2.30E-01	-2.17E-01	-2.09E-01	-1.29E-03	-9.02E-02	-6.27E-03	-7.74E-03	-4.91E-03	-7.48E-03	-4.51E+00
91	369389	758548	Recreational	2.26E+00	1.68E+00	6.88E-01	7.07E+00	1.23E+00	-1.36E-01	5.04E-01	1.94E-01	-4.37E-01	-3.96E-01	-1.30E-03	-9.02E-02	-6.30E-03	-7.78E-03	-4.94E-03	-7.52E-03	-4.53E+00
28	366338	757780	Residential	1.53E+00	1.20E+00	6.19E-01	4.87E+00	8.87E-01	-1.14E-01	3.62E-01	1.43E-01	-1.97E-01	-1.36E-01	-6.98E-04	-4.94E-02	-3.34E-03	-4.19E-03	-2.66E-03	-4.05E-03	-2.44E+00
29	366402	757746	Residential	1.50E+00	1.19E+00	5.84E-01	4.80E+00	8.82E-01	-1.17E-01	3.60E-01	1.41E-01	-2.47E-01	-1.81E-01	-7.28E-04	-5.15E-02	-3.49E-03	-4.37E-03	-2.78E-03	-4.22E-03	-2.55E+00
30	366467	757713	Residential	1.48E+00	1.19E+00	5.49E-01	4.74E+00	8.76E-01	-1.20E-01	3.58E-01	1.39E-01	-2.94E-01	-2.23E-01	-7.70E-04	-5.48E-02	-3.71E-03	-4.62E-03	-2.94E-03	-4.47E-03	-2.70E+00
31	366531	757679	Residential	1.44E+00	1.18E+00	5.07E-01	4.66E+00	8.67E-01	-1.23E-01	3.55E-01	1.36E-01	-3.48E-01	-2.73E-01	-8.08E-04	-5.78E-02	-3.90E-03	-4.85E-03	-3.09E-03	-4.69E-03	-2.83E+00
32	366567	757773	Residential	1.63E+00	1.28E+00	7.93E-01	5.21E+00	9.50E-01	-1.22E-01	3.86E-01	1.58E-01	-7.61E-03	4.90E-02	-7.48E-04	-5.32E-02	-3.59E-03	-4.49E-03	-2.85E-03	-4.34E-03	-2.62E+00
33	366625	757758	Residential	1.65E+00	1.29E+00	8.05E-01	5.25E+00	9.60E-01	-1.24E-01	3.90E-01	1.60E-01	-2.86E-03	5.53E-02	-7.62E-04	-5.40E-02	-3.65E-03	-4.57E-03	-2.91E-03	-4.42E-03	-2.67E+00
34	366682	757744	Residential	1.66E+00	1.31E+00	8.18E-01	5.31E+00	9.72E-01	-1.27E-01	3.95E-01	1.62E-01	1.75E-03	6.13E-02	-7.75E-04	-5.49E-02	-3.72E-03	-4.65E-03	-2.96E-03	-4.50E-03	-2.71E+00
35	366768	757788	Residential	1.87E+00	1.47E+00	7.34E-01	5.96E+00	1.09E+00	-1.40E-01	4.43E-01	1.75E-01	-2.47E-01	-1.82E-01	-8.25E-04	-5.97E-02	-3.99E-03	-4.95E-03	-3.16E-03	-4.79E-03	-2.90E+00
36	366854	757833	Residential	2.19E+00	1.67E+00	4.65E-01	6.85E+00	1.22E+00	-1.47E-01	5.02E-01	1.83E-01	-8.28E-01	-7.43E-01	-9.58E-04	-6.90E-02	-4.67E-03	-5.75E-03	-3.66E-03	-5.56E-03	-3.36E+00
37	366941	757877	Residential	2.32E+00	1.73E+00	3.81E-01	7.21E+00	1.27E+00	-1.42E-01	5.21E-01	1.87E-01	-1.01E+00	-9.26E-01	-1.04E-03	-7.56E-02	-5.11E-03	-6.26E-03	-3.99E-03	-6.05E-03	-3.66E+00
38	367027	757922	Residential	2.54E+00	1.84E+00	5.92E-01	7.82E+00	1.35E+00	-1.35E-01	5.52E-01	2.05E-01	-7.60E-01	-6.99E-01	-1.06E-03	-7.80E-02	-5.20E-03	-6.36E-03	-4.06E-03	-6.15E-03	-3.73E+00
39	367113	757966	Residential	2.70E+00	1.89E+00	1.16E+00	8.27E+00	1.40E+00	-1.20E-01	5.66E-01	2.32E-01	8.97E-02	9.45E-02	-1.15E-03	-8.32E-02	-5.63E-03	-6.91E-03	-4.40E-03	-6.68E-03	-4.04E+00

Table 3-1A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 1, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
40	367192	757916	Residential	2.71E+00	1.92E+00	1.05E+00	8.32E+00	1.42E+00	-1.30E-01	5.76E-01	2.32E-01	-1.25E-01	-1.00E-01	-1.19E-03	-8.61E-02	-5.81E-03	-7.13E-03	-4.55E-03	-6.89E-03	-4.17E+00
41	367264	757916	Residential	2.86E+00	2.00E+00	1.20E+00	8.75E+00	1.48E+00	-1.28E-01	6.00E-01	2.45E-01	5.51E-02	6.24E-02	-1.23E-03	-8.82E-02	-5.98E-03	-7.36E-03	-4.69E-03	-7.12E-03	-4.30E+00
42	367335	757916	Residential	3.00E+00	2.09E+00	1.37E+00	9.18E+00	1.54E+00	-1.30E-01	6.25E-01	2.61E-01	2.58E-01	2.49E-01	-1.23E-03	-8.86E-02	-5.99E-03	-7.40E-03	-4.71E-03	-7.15E-03	-4.32E+00
43	367343	757966	Residential	3.22E+00	2.21E+00	1.78E+00	9.85E+00	1.64E+00	-1.27E-01	6.61E-01	2.89E-01	8.11E-01	7.60E-01	-1.07E-03	-7.75E-02	-5.12E-03	-6.39E-03	-4.08E-03	-6.18E-03	-3.74E+00
44	367404	757995	Residential	3.34E+00	2.30E+00	1.96E+00	1.02E+01	1.71E+00	-1.34E-01	6.87E-01	3.05E-01	1.02E+00	9.56E-01	-9.96E-04	-7.12E-02	-4.72E-03	-5.98E-03	-3.80E-03	-5.78E-03	-3.49E+00
45	367465	758024	Residential	3.42E+00	2.38E+00	1.84E+00	1.05E+01	1.77E+00	-1.49E-01	7.13E-01	3.08E-01	7.33E-01	6.96E-01	-1.07E-03	-7.65E-02	-5.07E-03	-6.41E-03	-4.08E-03	-6.19E-03	-3.74E+00
55	367673	758189	Residential	3.21E+00	2.28E+00	1.05E+00	9.82E+00	1.67E+00	-1.54E-01	6.82E-01	2.67E-01	-3.98E-01	-3.70E-01	-1.14E-03	-8.06E-02	-5.53E-03	-6.87E-03	-4.36E-03	-6.64E-03	-4.00E+00
59	367816	758096	Residential	3.44E+00	2.43E+00	1.20E+00	1.05E+01	1.79E+00	-1.61E-01	7.28E-01	2.88E-01	-3.09E-01	-2.86E-01	-1.22E-03	-8.60E-02	-5.88E-03	-7.31E-03	-4.64E-03	-7.06E-03	-4.26E+00
60	367898	758066	Residential	3.50E+00	2.49E+00	1.32E+00	1.08E+01	1.84E+00	-1.72E-01	7.47E-01	2.99E-01	-1.86E-01	-1.65E-01	-1.22E-03	-8.78E-02	-5.89E-03	-7.31E-03	-4.66E-03	-7.07E-03	-4.27E+00
61	367980	758035	Residential	3.61E+00	2.59E+00	1.41E+00	1.11E+01	1.91E+00	-1.84E-01	7.76E-01	3.12E-01	-1.29E-01	-1.08E-01	-1.23E-03	-9.01E-02	-5.94E-03	-7.36E-03	-4.70E-03	-7.11E-03	-4.31E+00
62	368062	758005	Residential	3.77E+00	2.72E+00	1.46E+00	1.17E+01	2.01E+00	-1.97E-01	8.15E-01	3.27E-01	-1.61E-01	-1.39E-01	-1.31E-03	-9.66E-02	-6.37E-03	-7.89E-03	-5.04E-03	-7.62E-03	-4.62E+00
63	368144	757975	Residential	4.08E+00	2.94E+00	1.38E+00	1.26E+01	2.16E+00	-2.12E-01	8.81E-01	3.46E-01	-4.64E-01	-4.32E-01	-1.36E-03	-1.00E-01	-6.60E-03	-8.18E-03	-5.23E-03	-7.91E-03	-4.80E+00
64	368226	757945	Residential	4.39E+00	3.17E+00	1.29E+00	1.36E+01	2.33E+00	-2.31E-01	9.50E-01	3.66E-01	-7.85E-01	-7.41E-01	-1.39E-03	-1.03E-01	-6.69E-03	-8.31E-03	-5.32E-03	-8.03E-03	-4.88E+00
65	368301	757943	Residential	5.65E+00	3.93E+00	1.89E+00	1.73E+01	2.89E+00	-2.43E-01	1.17E+00	4.64E-01	-4.79E-01	-4.89E-01	-1.22E-03	-9.31E-02	-5.86E-03	-7.31E-03	-4.70E-03	-7.07E-03	-4.31E+00
66	368376	757941	Residential	8.49E+00	5.56E+00	3.16E+00	2.55E+01	4.09E+00	-2.44E-01	1.66E+00	6.76E-01	1.83E-01	3.58E-02	-1.11E-03	-8.55E-02	-5.27E-03	-6.64E-03	-4.27E-03	-6.42E-03	-3.92E+00
67	368452	757940	Residential	1.03E+01	6.51E+00	4.21E+00	3.06E+01	4.81E+00	-2.21E-01	1.94E+00	8.12E-01	1.06E+00	7.88E-01	-9.95E-04	-7.69E-02	-4.70E-03	-5.97E-03	-3.84E-03	-5.77E-03	-3.52E+00
68	368527	757938	Residential	1.06E+01	6.77E+00	3.94E+00	3.15E+01	4.99E+00	-2.50E-01	2.02E+00	8.27E-01	3.94E-01	1.64E-01	-1.05E-03	-7.95E-02	-4.97E-03	-6.31E-03	-4.05E-03	-6.10E-03	-3.71E+00
69	368563	757880	Residential	1.19E+01	7.52E+00	4.63E+00	3.53E+01	5.54E+00	-2.50E-01	2.24E+00	9.28E-01	8.70E-01	5.68E-01	-1.00E-03	-7.58E-02	-4.67E-03	-6.01E-03	-3.85E-03	-5.81E-03	-3.53E+00
70	368636	757926	Residential	1.06E+01	6.81E+00	3.49E+00	3.16E+01	5.00E+00	-2.54E-01	2.03E+00	8.12E-01	-3.20E-01	-5.15E-01	-1.62E-03	-1.16E-01	-7.82E-03	-9.72E-03	-6.18E-03	-9.39E-03	-5.67E+00
71	368709	757971	Residential	6.55E+00	4.49E+00	-7.35E-01	1.97E+01	3.22E+00	-2.61E-01	1.34E+00	4.16E-01	-4.98E+00	-4.81E+00	-3.58E-03	-2.55E-01	-1.79E-02	-2.15E-02	-1.37E-02	-2.08E-02	-1.25E+01
72	368782	758017	Residential	4.08E+00	3.07E+00	-1.85E+00	1.25E+01	2.17E+00	-2.61E-01	9.21E-01	2.32E-01	-5.56E+00	-5.27E+00	-3.88E-03	-2.71E-01	-1.93E-02	-2.33E-02	-1.48E-02	-2.25E-02	-1.36E+01
73	368855	758062	Residential	4.19E+00	3.05E+00	1.81E-01	1.29E+01	2.21E+00	-2.30E-01	9.14E-01	3.10E-01	-2.38E+00	-2.26E+00	-2.10E-03	-1.42E-01	-1.02E-02	-1.26E-02	-7.97E-03	-1.22E-02	-7.31E+00
74	368928	758108	Residential	3.23E+00	2.39E+00	5.08E-01	1.01E+01	1.74E+00	-1.92E-01	7.17E-01	2.57E-01	-1.33E+00	-1.24E+00	-1.35E-03	-9.66E-02	-6.61E-03	-8.13E-03	-5.17E-03	-7.86E-03	-4.74E+00
75	369001	758153	Residential	4.04E+00	2.80E+00	1.35E+00	1.24E+01	2.06E+00	-1.71E-01	8.37E-01	3.31E-01	-3.49E-01	-3.53E-01	-1.53E-03	-1.10E-01	-7.56E-03	-9.18E-03	-5.84E-03	-8.87E-03	-5.36E+00
76	369058	758074	Residential	4.39E+00	3.05E+00	1.36E+00	1.35E+01	2.24E+00	-1.88E-01	9.12E-01	3.56E-01	-5.42E-01	-5.40E-01	-1.69E-03	-1.22E-01	-8.39E-03	-1.01E-02	-6.46E-03	-9.80E-03	-5.93E+00
77	369102	758103	Residential	4.94E+00	3.38E+00	8.60E-01	1.50E+01	2.46E+00	-1.93E-01	1.01E+00	3.69E-01	-1.57E+00	-1.54E+00	-1.76E-03	-1.23E-01	-8.68E-03	-1.06E-02	-6.70E-03	-1.02E-02	-6.15E+00
78	369145	758132	Residential	5.55E+00	3.69E+00	1.27E+00	1.67E+01	2.70E+00	-1.79E-01	1.10E+00	4.16E-01	-1.19E+00	-1.20E+00	-2.08E-03	-1.42E-01	-1.02E-02	-1.25E-02	-7.91E-03	-1.21E-02	-7.25E+00
79	369200	758065	Residential	5.95E+00	3.93E+00	1.95E+00	1.79E+01	2.88E+00	-1.82E-01	1.17E+00	4.66E-01	-3.46E-01	-4.12E-01	-2.15E-03	-1.45E-01	-1.05E-02	-1.29E-02	-8.15E-03	-1.25E-02	-7.47E+00
80	369255	757998	Residential	5.92E+00	3.94E+00	2.59E+00	1.80E+01	2.91E+00	-1.93E-01	1.18E+00	4.93E-01	6.22E-01	5.23E-01	-2.23E-03	-1.51E-01	-1.08E-02	-1.34E-02	-8.45E-03	-1.29E-02	-7.75E+00
81	369310	757931	Residential	6.01E+00	4.01E+00	2.46E+00	1.83E+01	2.96E+00	-2.00E-01	1.20E+00	4.95E-01	3.65E-01	2.77E-01	-2.40E-03	-1.64E-01	-1.16E-02	-1.44E-02	-9.12E-03	-1.39E-02	-8.37E+00
82	369356	757981	Residential	5.05E+00	3.31E+00	2.25E+00	1.53E+01	2.45E+00	-1.49E-01	9.90E-01	4.17E-01	6.34E-01	5.37E-01	-2.08E-03	-1.40E-01	-1.00E-02	-1.25E-02	-7.89E-03	-1.21E-02	-7.24E+00
83	369403	758031	Residential	4.62E+00	3.01E+00	2.43E+00	1.40E+01	2.23E+00	-1.25E-01	8.97E-01	3.94E-01	1.18E+00	1.06E+00	-2.10E-03	-1.45E-01	-1.02E-02	-1.26E-02	-7.96E-03	-1.22E-02	-7.31E+00
92	369389	758634	Residential	1.94E+00	1.50E+00	3.52E-01	6.13E+00	1.10E+00	-1.39E-01	4.52E-01	1.63E-01	-8.15E-01	-7.43E-01	-1.47E-03	-1.02E-01	-7.17E-03	-8.79E-03	-5.58E-03	-8.50E-03	-5.12E+00
93	369469	758630	Residential	6.49E-01	8.77E-01	-1.33E+00	2.44E+00	6.03E-01	-1.79E-01	2.67E-01	3.45E-02	-2.93E+00	-2.69E+00	-3.14E-03	-2.20E-01	-1.57E-02	-1.89E-02	-1.20E-02	-1.82E-02	-1.10E+01
94	369549	758625	Residential	2.98E-01	6.96E-01	-2.13E+00	1.39E+00	4.51E-01	-1.86E-01	2.13E-01	-1.51E-02	-4.04E+00	-3.72E+00	-3.56E-03	-2.48E-01	-1.79E-02	-2.13E-02	-1.35E-02	-2.06E-02	-1.24E+01
95	369630	758621	Residential	4.83E-01	8.13E-01	-1.73E+00	1.97E+00	5.47E-01	-1.90E-01	2.49E-01	1.25E-02	-3.52E+00	-3.23E+00	-2.30E-03	-1.60E-01	-1.15E-02	-1.38E-02	-8.74E-03	-1.33E-02	-8.02E+00
96	369710	758617	Residential	1.81E+00	1.45E+00	-1.03E-01	5.75E+00	1.04E+00	-1.44E-01	4.35E-01	1.39E-01	-1.48E+00	-1.37E+00	-1.84E-03	-1.30E-01	-9.22E-03	-1.11E-02	-7.03E-03	-1.07E-02	-6.45E+00
97	369791	758613	Residential	2.69E+00	1.85E+00	6.36E-01	8.18E+00	1.35E+00	-1.10E-01	5.53E-01	2.09E-01	-6.17E-01	-6.06E-01	-2.40E-03	-1.69E-01	-1.21E-02	-1.44E-02	-9.16E-03	-1.39E-02	-8.40E+00
98	369791	758514	Residential	3.02E+00	2.04E+00	8.29E-01	9.15E+00	1.49E+00	-1.09E-01	6.09E-01	2.35E-01	-4.90E-01	-4.91E-01	-2.31E-03	-1.63E-01	-1.16E-02	-1.39E-02	-8.82E-03	-1.34E-02	-8.09E+00
99	369791	758416	Residential	3.40E+00	2.25E+00	1.09E+00	1.03E+01	1.65E+00	-1.06E-01	6.72E-01	2.66E-01	-2.58E-01	-2.84E-01	-2.18E-03	-1.54E-01	-1.10E-02	-1.31E-02	-8.31E-03	-1.26E-02	-7.62E+00
100	369791	758318	Residential	4.07E+00	2.60E+00	1.09E+00	1.21E+01	1.91E+00	-9.70E-02	7.77E-01	3.01E-01	-5.27E-01	-5.75E-01	-2.14E-03	-1.51E-01	-1.08E-02	-1.28E-02	-8.16E-03	-1.24E-02	-7.49E+00
101	369881	758318	Residential	2.25E+00	1.69E+00	-5.06E-02	7.04E+00	1.22E+00	-1.42E-01	5.08E-01	1.66E-01	-1.60E+00	-1.50E+00	-2.79E-03	-1.96E-01	-1.41E-02	-1.67E-02	-1.06E-02	-1.62E-02	-9.75E+00
102	369972	758318	Residential	9.39E-02	6.10E-01	-1.27E+00	9.95E-01	4.14E-01	-1.97E-01	1.89E-01	1.04E-02	-2.65E+00	-2.39E+00	-2.80E-03	-1.99E-01	-1.42E-02	-1.68E-02	-1.07E-02	-1.63E-02	-9.81E+00
103	370062	758318	Residential	3.00E-01	7.63E-01	-1.55E+00	1.61E+00	5.17E-01	-2.09E-01	2.34E-01	1.49E-02	-3.18E+00	-2.90E+00	-2.05E-03	-1.48E-01	-1.04E-02	-1.23E-02	-7.85E-03	-1.19E-02	-7.20E+00
104	370153	758318	Residential	4.76E-01	8.58E-01	-1.72E+00	2.08E+00	5.80E-01	-2.07E-01	2.62E-01	1.76E-02	-3.53E+00	-3.23E+00	-1.93E-03	-1.38E-01	-9.73E-03	-1.16E-02	-7.39E-03	-1.12E-02	-6.77E+00
105	370243	758318	Residential	4.86E-01	9.00E-01	-1.93E+00	2.14E+00	6.04E-01	-2.20E-01	2.74E-01	1.35E-02	-3.87E+00	-3.56E+00	-2.55E-03	-1.78E-01	-1.28E-02	-1.53E-02	-9.70E-03	-1.48E-02	-8.90E+00
111	370408	758347	Residential	-3.87E-01	4.86E-01	-3.02E+00	-3.47E-01	2.79E-01	-2.51E-01	1.53E-01	-7.09E-02	-5.28E+00	-4.84E+00	-3.77E-03	-2.66E-01	-1.91E-02	-2.26E-02	-1.44E-02	-2.18E-02	-1.32E+01
112	370490	758344	Residential	-1.36E+00	2.93E-02	-3.26E+00	-3.01E+00	-5.32E-02	-2.87E-01	1.96E-02	-1.25E-01	-5.33E+00	-4.82E+00	-3.25E-03	-2.32E-01	-1.65E-02	-1.95E-02	-1.24E-02	-1.89E-02	-1.14E+01
113	370572	758341	Residential	-9.54E-01	3.06E-01	-3.64E+00	-1.82E+00	1.35E-01	-3.02E-01	1.02E-01	-1.13E-01	-6.13E+00	-5.60E+00	-2.90E-03	-2.02E-01	-1.46E-02	-1.74E-02	-1.10E-02	-1.68E-02	-1.01E+01
114	370654	758338	Residential	-3.13E-02	9.26E-01	-3.34E+00	9.52E-01	5.90E-01	-3.34E-01	2.86E-01	-3.96E-02	-6.17E+00	-5.66E+00	-2.91E-03	-2.07E-01	-1.46E-02	-1.74E-02	-1.11E-02	-1.69E-02	-1.02E+01
115	370735	758335	Residential	9.38E-01	1.29E+00	-2.11E+00	3.56E+00	8.83E-01	-2.66E-01	3.93E-01	4.47E-02	-4.56E+00	-4.18E+00	-2.43E-03	-1.75E-01	-1.22E-02	-1.46E-02	-9.28E-03	-1.41E-02	-8.51E+00
116	370817	758333	Residential	1.29E+00	1.39E+00	-9.41E-01	4.57E+00	9.88E-01	-2.31E-01	4.22E-01	1.01E-01	-2.80E+00	-2.54E+00	-1.62E-03	-1.14E-01	-8.03E-03	-9.74E-03	-6.19E-03	-9.41E-03	-5.67E+00
130	371183	758027	Residential	4.22E+00	2.97E+00	1.71E+00	1.30E+01	2.19E+00	-1.94E-01	8.90E-01	3.62E-01	5.29E-03	1.10E-02	-1.85E-03	-1.29E-01	-8.87E-03	-1.11E-02	-7.06E-03	-1.08E-02	-6.47E+00
131	371248	758024	Residential	4.37E+00	3.08E+00	1.43E+00	1.35E+01	2.27E+00	-2.04E-01	9.23E-01	3.62E-01	-4.89E-01	-4.73E-01	-1.82E-03	-1.28E-01	-8.72E-03	-1.09E-02	-6.94E-03	-1.06E-02	-6.37E+00
132	371326	758075	Residential	4.10E+00	2.88E+00	1.35E+00	1.26E+01	2.12E+00	-1.86E-01	8.62E-01	3.39E-01	-4.40E-01	-4.24E-01	-1.79E-03	-1.20E-01	-8.57E-03	-1.07E-02	-6.78E-03	-1.04E-02	-6.22E+00
133	371404	758127	Residential	3.62E+00	2.56E+00	1.44E+00	1.12E+01	1.89E+00	-1.74E-01	7.69E-01	3.11E-01	-8.49E-02	-6.14E-02	-1.59E-03	-1.06E-01	-7.64E-03	-9.57E-03	-6.04E-03	-9.25E-03	-5.54E+00

Table 3-1A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 1, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
134	371481	758178	Residential	3.34E+00	2.40E+00	1.41E+00	1.04E+01	1.77E+00	-1.70E-01	7.19E-01	2.93E-01	-4.69E-03	2.61E-02	-1.43E-03	-9.51E-02	-6.83E-03	-8.55E-03	-5.39E-03	-8.27E-03	-4.95E+00
135	371559	758230	Residential	3.11E+00	2.25E+00	1.41E+00	9.68E+00	1.67E+00	-1.66E-01	6.76E-01	2.78E-01	1.06E-01	1.39E-01	-1.37E-03	-8.66E-02	-6.55E-03	-8.22E-03	-5.15E-03	-7.95E-03	-4.73E+00
136	371637	758281	Residential	2.93E+00	2.10E+00	1.41E+00	9.09E+00	1.56E+00	-1.48E-01	6.30E-01	2.63E-01	2.31E-01	2.58E-01	-1.33E-03	-7.77E-02	-6.34E-03	-8.00E-03	-4.97E-03	-7.73E-03	-4.56E+00
137	371715	758333	Residential	2.70E+00	1.95E+00	1.41E+00	8.41E+00	1.45E+00	-1.43E-01	5.87E-01	2.49E-01	3.59E-01	3.86E-01	-1.25E-03	-7.35E-02	-5.92E-03	-7.47E-03	-4.64E-03	-7.22E-03	-4.26E+00
138	371769	758261	Residential	2.06E+00	1.60E+00	1.54E+00	6.64E+00	1.20E+00	-1.49E-01	4.83E-01	2.19E-01	8.31E-01	8.60E-01	-1.20E-03	-7.39E-02	-5.75E-03	-7.22E-03	-4.51E-03	-6.98E-03	-4.14E+00
139	371822	758189	Residential	1.18E+00	1.43E+00	4.53E-01	4.50E+00	1.05E+00	-2.65E-01	4.34E-01	1.60E-01	-6.91E-01	-5.13E-01	-9.26E-04	-6.61E-02	-4.42E-03	-5.56E-03	-3.54E-03	-5.37E-03	-3.24E+00
140	371894	758160	Residential	8.19E-01	1.51E+00	-2.69E-01	3.80E+00	1.09E+00	-3.67E-01	4.59E-01	1.40E-01	-1.84E+00	-1.56E+00	-1.11E-03	-9.74E-02	-5.49E-03	-6.64E-03	-4.36E-03	-6.42E-03	-3.99E+00
141	371894	758081	Residential	6.03E-01	1.60E+00	-1.14E+00	3.40E+00	1.14E+00	-4.44E-01	4.89E-01	1.16E-01	-3.28E+00	-2.89E+00	-1.24E-03	-1.13E-01	-6.17E-03	-7.45E-03	-4.92E-03	-7.20E-03	-4.51E+00
142	371959	758074	Residential	9.20E-01	1.71E+00	-9.18E-01	4.21E+00	1.22E+00	-4.17E-01	5.20E-01	1.35E-01	-3.06E+00	-2.69E+00	-1.35E-03	-1.04E-01	-6.56E-03	-8.10E-03	-5.21E-03	-7.83E-03	-4.78E+00
155	372055	757363	Residential	1.14E+00	1.71E+00	-3.07E-01	4.89E+00	1.24E+00	-3.72E-01	5.19E-01	1.58E-01	-2.16E+00	-1.84E+00	-1.19E-03	-1.11E-01	-5.97E-03	-7.16E-03	-4.74E-03	-6.92E-03	-4.34E+00
297	370239	755427	Residential	5.31E+00	3.52E+00	2.93E+00	1.61E+01	2.62E+00	-1.68E-01	1.05E+00	4.65E-01	1.50E+00	1.37E+00	-3.31E-03	-2.30E-01	-1.60E-02	-1.99E-02	-1.26E-02	-1.92E-02	-1.16E+01
298	370138	755427	Residential	6.31E+00	3.92E+00	4.45E+00	1.88E+01	2.95E+00	-1.08E-01	1.17E+00	5.64E-01	3.57E+00	3.26E+00	-3.27E-03	-2.22E-01	-1.56E-02	-1.96E-02	-1.24E-02	-1.90E-02	-1.14E+01
299	370040	755427	Residential	1.70E-01	7.83E-01	-2.50E+00	1.19E+00	5.06E-01	-2.43E-01	2.41E-01	-2.08E-02	-4.70E+00	-4.32E+00	-2.79E-03	-1.92E-01	-1.34E-02	-1.67E-02	-1.06E-02	-1.62E-02	-9.73E+00
300	369941	755426	Residential	1.66E+00	1.52E+00	-1.19E+00	5.41E+00	1.07E+00	-2.03E-01	4.60E-01	1.04E-01	-3.25E+00	-3.02E+00	-3.47E-03	-2.41E-01	-1.72E-02	-2.08E-02	-1.32E-02	-2.01E-02	-1.21E+01
301	369842	755426	Residential	2.35E+00	1.91E+00	-4.16E-01	7.44E+00	1.37E+00	-1.99E-01	5.73E-01	1.73E-01	-2.35E+00	-2.19E+00	-2.59E-03	-1.84E-01	-1.27E-02	-1.56E-02	-9.89E-03	-1.50E-02	-9.07E+00
304	369544	755434	Residential	2.59E-01	9.13E-01	-2.73E+00	1.55E+00	5.94E-01	-2.71E-01	2.80E-01	-1.70E-02	-5.18E+00	-4.76E+00	-3.24E-03	-2.32E-01	-1.62E-02	-1.94E-02	-1.24E-02	-1.88E-02	-1.13E+01
305	369445	755434	Residential	2.14E+00	1.88E+00	-8.44E-01	6.92E+00	1.34E+00	-2.30E-01	5.65E-01	1.53E-01	-3.05E+00	-2.81E+00	-2.89E-03	-2.05E-01	-1.45E-02	-1.73E-02	-1.10E-02	-1.68E-02	-1.01E+01
306	369346	755434	Residential	3.21E+00	2.45E+00	-1.33E-01	9.99E+00	1.77E+00	-2.14E-01	7.35E-01	2.37E-01	-2.42E+00	-2.25E+00	-3.40E-03	-2.37E-01	-1.70E-02	-2.04E-02	-1.30E-02	-1.97E-02	-1.19E+01
310	368953	755441	Residential	2.16E+00	2.03E+00	-1.75E-01	7.26E+00	1.47E+00	-2.81E-01	6.14E-01	1.95E-01	-2.19E+00	-1.96E+00	-1.63E-03	-1.12E-01	-7.98E-03	-9.75E-03	-6.18E-03	-9.43E-03	-5.67E+00
311	368854	755441	Residential	2.00E+00	1.85E+00	-4.81E-01	6.67E+00	1.33E+00	-2.49E-01	5.59E-01	1.65E-01	-2.48E+00	-2.25E+00	-2.23E-03	-1.56E-01	-1.11E-02	-1.34E-02	-8.48E-03	-1.29E-02	-7.78E+00
312	368755	755441	Residential	2.12E+00	1.82E+00	-4.46E-01	6.88E+00	1.31E+00	-2.16E-01	5.49E-01	1.63E-01	-2.36E+00	-2.17E+00	-2.04E-03	-1.44E-01	-1.00E-02	-1.22E-02	-7.77E-03	-1.18E-02	-7.13E+00
313	368657	755441	Residential	2.60E+00	2.06E+00	9.54E-03	8.26E+00	1.49E+00	-2.00E-01	6.18E-01	2.05E-01	-1.83E+00	-1.69E+00	-1.76E-03	-1.25E-01	-8.69E-03	-1.06E-02	-6.72E-03	-1.02E-02	-6.17E+00
314	368558	755440	Residential	3.11E+00	2.31E+00	2.11E-01	9.68E+00	1.68E+00	-1.87E-01	6.93E-01	2.38E-01	-1.71E+00	-1.61E+00	-1.46E-03	-1.04E-01	-7.14E-03	-8.77E-03	-5.58E-03	-8.48E-03	-5.12E+00
315	368459	755440	Residential	3.46E+00	2.50E+00	1.03E+00	1.07E+01	1.83E+00	-1.82E-01	7.48E-01	2.88E-01	-6.04E-01	-5.70E-01	-1.14E-03	-8.05E-02	-5.47E-03	-6.83E-03	-4.34E-03	-6.60E-03	-3.98E+00
316	368360	755440	Residential	3.98E+00	2.76E+00	1.43E+00	1.22E+01	2.03E+00	-1.67E-01	8.24E-01	3.30E-01	-1.79E-01	-1.92E-01	-8.11E-04	-5.59E-02	-3.79E-03	-4.87E-03	-3.08E-03	-4.71E-03	-2.83E+00
317	368262	755439	Residential	4.07E+00	2.80E+00	1.48E+00	1.25E+01	2.06E+00	-1.66E-01	8.37E-01	3.36E-01	-1.35E-01	-1.56E-01	-1.18E-03	-8.38E-02	-5.72E-03	-7.09E-03	-4.51E-03	-6.85E-03	-4.13E+00
318	368186	755427	Residential	3.87E+00	2.70E+00	1.37E+00	1.20E+01	1.99E+00	-1.70E-01	8.08E-01	3.22E-01	-2.33E-01	-2.39E-01	-1.36E-03	-9.70E-02	-6.65E-03	-8.15E-03	-5.19E-03	-7.88E-03	-4.76E+00
319	368111	755414	Residential	3.67E+00	2.59E+00	1.27E+00	1.14E+01	1.90E+00	-1.71E-01	7.74E-01	3.07E-01	-2.89E-01	-2.83E-01	-1.48E-03	-1.06E-01	-7.31E-03	-8.89E-03	-5.66E-03	-8.60E-03	-5.19E+00
46	367504	757948	School	3.50E+00	2.40E+00	2.06E+00	1.07E+01	1.79E+00	-1.40E-01	7.19E-01	3.20E-01	1.08E+00	1.02E+00	-1.03E-03	-7.35E-02	-4.86E-03	-6.16E-03	-3.92E-03	-5.95E-03	-3.60E+00
47	367544	757873	School	3.31E+00	2.33E+00	1.62E+00	1.02E+01	1.73E+00	-1.53E-01	6.98E-01	2.95E-01	4.33E-01	4.17E-01	-1.18E-03	-8.72E-02	-5.71E-03	-7.11E-03	-4.54E-03	-6.87E-03	-4.17E+00
48	367587	757909	School	3.62E+00	2.49E+00	2.09E+00	1.11E+01	1.86E+00	-1.48E-01	7.46E-01	3.30E-01	1.05E+00	9.81E-01	-1.10E-03	-7.94E-02	-5.22E-03	-6.59E-03	-4.20E-03	-6.37E-03	-3.85E+00
49	367623	757866	School	3.48E+00	2.45E+00	1.81E+00	1.07E+01	1.82E+00	-1.61E-01	7.34E-01	3.14E-01	6.34E-01	6.05E-01	-1.17E-03	-8.63E-02	-5.63E-03	-7.05E-03	-4.50E-03	-6.81E-03	-4.13E+00
50	367694	757866	School	3.71E+00	2.60E+00	2.07E+00	1.14E+01	1.93E+00	-1.65E-01	7.77E-01	3.39E-01	9.16E-01	8.67E-01	-1.17E-03	-8.53E-02	-5.58E-03	-7.03E-03	-4.49E-03	-6.80E-03	-4.12E+00
51	367716	757927	School	4.13E+00	2.84E+00	2.00E+00	1.26E+01	2.10E+00	-1.66E-01	8.48E-01	3.60E-01	6.00E-01	5.55E-01	-1.19E-03	-8.55E-02	-5.65E-03	-7.15E-03	-4.55E-03	-6.91E-03	-4.17E+00
52	367737	757988	School	4.26E+00	2.90E+00	1.56E+00	1.29E+01	2.14E+00	-1.64E-01	8.68E-01	3.49E-01	-1.41E-01	-1.53E-01	-1.21E-03	-8.42E-02	-5.73E-03	-7.23E-03	-4.59E-03	-6.99E-03	-4.21E+00
53	367727	758067	School	3.81E+00	2.63E+00	1.01E+00	1.15E+01	1.93E+00	-1.60E-01	7.88E-01	3.01E-01	-7.63E-01	-7.34E-01	-1.18E-03	-8.14E-02	-5.61E-03	-7.05E-03	-4.47E-03	-6.82E-03	-4.10E+00
54	367716	758146	School	3.34E+00	2.34E+00	1.07E+00	1.02E+01	1.72E+00	-1.52E-01	7.02E-01	2.74E-01	-4.35E-01	-4.09E-01	-1.19E-03	-8.31E-02	-5.76E-03	-7.16E-03	-4.54E-03	-6.93E-03	-4.17E+00
56	367723	758254	School	2.96E+00	2.20E+00	1.28E+00	9.24E+00	1.63E+00	-1.78E-01	6.60E-01	2.69E-01	1.62E-02	4.31E-02	-9.47E-04	-6.98E-02	-4.56E-03	-5.68E-03	-3.63E-03	-5.49E-03	-3.33E+00
57	367784	758221	School	3.06E+00	2.28E+00	1.27E+00	9.55E+00	1.68E+00	-1.84E-01	6.83E-01	2.76E-01	-5.82E-02	-2.80E-02	-9.86E-04	-7.21E-02	-4.74E-03	-5.91E-03	-3.78E-03	-5.72E-03	-3.46E+00
58	367845	758189	School	3.20E+00	2.37E+00	1.24E+00	9.96E+00	1.75E+00	-1.89E-01	7.10E-01	2.84E-01	-1.84E-01	-1.50E-01	-1.02E-03	-7.46E-02	-4.91E-03	-6.14E-03	-3.92E-03	-5.94E-03	-3.59E+00
106	370247	758254	School	5.52E-01	9.42E-01	-1.94E+00	2.34E+00	6.34E-01	-2.21E-01	2.87E-01	1.71E-02	-3.94E+00	-3.62E+00	-2.83E-03	-1.99E-01	-1.43E-02	-1.70E-02	-1.08E-02	-1.64E-02	-9.90E+00
107	370250	758189	School	4.25E-01	9.06E-01	-2.17E+00	2.02E+00	6.03E-01	-2.34E-01	2.77E-01	4.38E-03	-4.28E+00	-3.93E+00	-3.17E-03	-2.24E-01	-1.60E-02	-1.90E-02	-1.21E-02	-1.84E-02	-1.11E+01
108	370308	758196	School	4.78E-01	9.02E-01	-1.82E+00	2.16E+00	6.09E-01	-2.22E-01	2.75E-01	1.78E-02	-3.73E+00	-3.42E+00	-3.96E-03	-2.79E-01	-2.00E-02	-2.38E-02	-1.51E-02	-2.30E-02	-1.39E+01
109	370361	758236	School	4.08E-02	6.77E-01	-2.63E+00	8.55E-01	4.27E-01	-2.32E-01	2.10E-01	-3.63E-02	-4.82E+00	-4.43E+00	-4.16E-03	-2.93E-01	-2.10E-02	-2.50E-02	-1.59E-02	-2.42E-02	-1.46E+01
110	370415	758275	School	-4.38E-01	5.00E-01	-3.25E+00	-4.46E-01	2.83E-01	-2.66E-01	1.58E-01	-7.84E-02	-5.66E+00	-5.19E+00	-3.81E-03	-2.69E-01	-1.93E-02	-2.29E-02	-1.45E-02	-2.21E-02	-1.33E+01
302	369741	755435	School	-1.68E-01	6.36E-01	-3.49E+00	1.97E-01	3.74E-01	-2.60E-01	1.98E-01	-7.46E-02	-6.15E+00	-5.67E+00	-1.34E-03	-9.59E-02	-6.43E-03	-8.06E-03	-5.13E-03	-7.79E-03	-4.70E+00
303	369643	755434	School	9.66E-01	1.20E+00	-4.91E-01	3.61E+00	8.66E-01	-2.31E-01	3.67E-01	1.00E-01	-2.01E+00	-1.76E+00	-1.39E-03	-1.02E-01	-6.81E-03	-8.36E-03	-5.33E-03	-8.08E-03	-4.89E+00

Note: Shaded cells indicate locations where concentrations were highest within each land use category.

Table 3-1B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 1, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acetaldehyde Acute Hazard	acrolein (µg/m^3)	acrolein Acute Hazard	benzene (µg/m^3)	benzene Acute Hazard	formaldehyde (µg/m^3)	formaldehyde Acute Hazard	methyl alcohol (µg/m^3)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m^3)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m^3)	phenol (carbolic acid) Acute Hazard	styrene (µg/m^3)	styrene Acute Hazard	toluene (µg/m^3)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
117	370814	758243	Offsite Worker	1.45E+00	3.08E-03	1.51E+00	6.02E-01	-7.81E-01	-6.01E-04	5.07E+00	9.22E-02	1.07E+00	3.83E-05	-2.39E-01	-1.84E-05	4.56E-01	7.86E-05	1.19E-01	5.65E-06	-2.64E+00	-7.14E-05
118	370810	758153	Offsite Worker	1.58E+00	3.37E-03	1.60E+00	6.41E-01	-6.72E-01	-5.17E-04	5.51E+00	1.00E-01	1.15E+00	4.09E-05	-2.46E-01	-1.89E-05	4.85E-01	8.36E-05	1.33E-01	6.32E-06	-2.55E+00	-6.90E-05
119	370807	758063	Offsite Worker	2.28E+00	4.86E-03	2.00E+00	8.02E-01	-1.01E-01	-7.74E-05	7.58E+00	1.38E-01	1.45E+00	5.18E-05	-2.46E-01	-1.89E-05	6.04E-01	1.04E-04	1.95E-01	9.29E-06	-2.00E+00	-5.39E-05
120	370803	757974	Offsite Worker	2.73E+00	5.80E-03	2.32E+00	9.27E-01	-3.08E-01	-2.37E-04	8.93E+00	1.62E-01	1.67E+00	5.97E-05	-2.67E-01	-2.05E-05	6.97E-01	1.20E-04	2.18E-01	1.04E-05	-2.58E+00	-6.97E-05
121	370835	757927	Offsite Worker	3.50E+00	7.45E-03	2.64E+00	1.05E+00	-5.44E-01	-4.19E-04	1.10E+01	1.99E-01	1.89E+00	6.75E-05	-2.23E-01	-1.71E-05	7.90E-01	1.36E-04	2.40E-01	1.14E-05	-3.18E+00	-8.59E-05
122	370868	757880	Offsite Worker	3.33E+00	7.09E-03	2.56E+00	1.03E+00	1.76E-01	1.36E-04	1.06E+01	1.93E-01	1.86E+00	6.64E-05	-2.31E-01	-1.78E-05	7.69E-01	1.33E-04	2.61E-01	1.24E-05	-2.00E+00	-5.39E-05
123	370921	757884	Offsite Worker	3.44E+00	7.31E-03	2.60E+00	1.04E+00	2.35E-02	1.81E-05	1.08E+01	1.97E-01	1.88E+00	6.72E-05	-2.23E-01	-1.72E-05	7.81E-01	1.35E-04	2.58E-01	1.23E-05	-2.33E+00	-6.29E-05
124	370975	757887	Offsite Worker	3.81E+00	8.11E-03	2.85E+00	1.14E+00	6.17E-01	4.74E-04	1.20E+01	2.18E-01	2.08E+00	7.42E-05	-2.36E-01	-1.81E-05	8.55E-01	1.47E-04	3.07E-01	1.46E-05	-1.58E+00	-4.28E-05
125	370975	757794	Offsite Worker	5.15E+00	1.10E-02	3.69E+00	1.48E+00	2.18E+00	1.68E-03	1.61E+01	2.92E-01	2.73E+00	9.73E-05	-2.60E-01	-2.00E-05	1.10E+00	1.90E-04	4.52E-01	2.15E-05	1.45E-01	3.91E-06
126	371026	757794	Offsite Worker	5.61E+00	1.19E-02	4.01E+00	1.60E+00	1.73E+00	1.33E-03	1.74E+01	3.16E-01	2.94E+00	1.05E-04	-2.81E-01	-2.16E-05	1.20E+00	2.07E-04	4.66E-01	2.22E-05	-8.26E-01	-2.23E-05
127	371076	757877	Offsite Worker	5.04E+00	1.07E-02	3.57E+00	1.43E+00	1.93E+00	1.48E-03	1.56E+01	2.84E-01	2.63E+00	9.40E-05	-2.41E-01	-1.85E-05	1.07E+00	1.84E-04	4.30E-01	2.05E-05	-1.52E-01	-4.12E-06
128	371126	757959	Offsite Worker	4.69E+00	9.97E-03	3.27E+00	1.31E+00	2.09E+00	1.61E-03	1.45E+01	2.63E-01	2.42E+00	8.65E-05	-2.07E-01	-1.59E-05	9.80E-01	1.69E-04	4.07E-01	1.94E-05	3.53E-01	9.55E-06
129	371119	758031	Offsite Worker	3.74E+00	7.95E-03	2.78E+00	1.11E+00	1.49E+00	1.15E-03	1.18E+01	2.14E-01	2.05E+00	7.32E-05	-2.25E-01	-1.73E-05	8.33E-01	1.44E-04	3.34E-01	1.59E-05	-1.58E-01	-4.28E-06
143	371953	757977	Offsite Worker	1.30E+00	2.77E-03	1.90E+00	7.58E-01	-1.24E-01	-9.54E-05	5.33E+00	9.69E-02	1.38E+00	4.93E-05	-4.06E-01	-3.12E-05	5.76E-01	9.93E-05	1.84E-01	8.78E-06	-1.98E+00	-5.36E-05
144	371948	757880	Offsite Worker	1.83E+00	3.90E-03	1.92E+00	7.68E-01	-3.23E-01	-2.48E-04	6.44E+00	1.17E-01	1.39E+00	4.95E-05	-3.07E-01	-2.36E-05	5.81E-01	1.00E-04	1.78E-01	8.49E-06	-2.29E+00	-6.20E-05
145	371943	757783	Offsite Worker	7.38E-01	1.57E-03	1.64E+00	6.56E-01	-2.63E+00	-2.03E-03	3.58E+00	6.51E-02	1.13E+00	4.02E-05	-4.30E-01	-3.31E-05	5.00E-01	8.62E-05	6.00E-02	2.86E-06	-5.64E+00	-1.52E-04
146	372016	757794	Offsite Worker	7.96E-01	1.69E-03	1.53E+00	6.12E-01	-2.59E+00	-1.99E-03	3.54E+00	6.44E-02	1.05E+00	3.73E-05	-3.79E-01	-2.92E-05	4.66E-01	8.03E-05	5.04E-02	2.40E-06	-5.48E+00	-1.48E-04
147	372102	757791	Offsite Worker	6.63E-01	1.41E-03	1.36E+00	5.46E-01	-2.51E+00	-1.93E-03	3.04E+00	5.53E-02	9.28E-01	3.32E-05	-3.48E-01	-2.68E-05	4.17E-01	7.18E-05	3.68E-02	1.75E-06	-5.24E+00	-1.42E-04
148	372178	757760	Offsite Worker	5.53E-01	1.18E-03	1.34E+00	5.37E-01	-1.98E+00	-1.52E-03	2.84E+00	5.17E-02	9.29E-01	3.32E-05	-3.63E-01	-2.79E-05	4.11E-01	7.08E-05	5.58E-02	2.66E-06	-4.41E+00	-1.19E-04
149	372177	757670	Offsite Worker	1.21E+00	2.57E-03	1.60E+00	6.38E-01	-8.35E-01	-6.43E-04	4.66E+00	8.47E-02	1.14E+00	4.08E-05	-3.20E-01	-2.46E-05	4.85E-01	8.37E-05	1.26E-01	5.99E-06	-2.86E+00	-7.73E-05
150	372176	757579	Offsite Worker	1.15E+00	2.45E-03	1.67E+00	6.69E-01	-3.31E-01	-2.55E-04	4.73E+00	8.59E-02	1.21E+00	4.33E-05	-3.57E-01	-2.75E-05	5.09E-01	8.78E-05	1.53E-01	7.30E-06	-2.17E+00	-5.86E-05
151	372174	757489	Offsite Worker	8.63E-01	1.84E-03	1.54E+00	6.17E-01	-6.14E-01	-4.73E-04	3.96E+00	7.20E-02	1.11E+00	3.97E-05	-3.70E-01	-2.85E-05	4.71E-01	8.11E-05	1.29E-01	6.17E-06	-2.48E+00	-6.71E-05
152	372173	757398	Offsite Worker	1.72E+00	3.67E-03	1.82E+00	7.27E-01	1.83E-01	1.41E-04	6.22E+00	1.13E-01	1.33E+00	4.74E-05	-2.94E-01	-2.26E-05	5.51E-01	9.50E-05	1.88E-01	8.95E-06	-1.46E+00	-3.96E-05
153	372171	757308	Offsite Worker	2.94E+00	6.25E-03	2.25E+00	9.00E-01	1.57E+00	1.21E-03	9.51E+00	1.73E-01	1.67E+00	5.97E-05	-2.00E-01	-1.54E-05	6.77E-01	1.17E-04	2.85E-01	1.36E-05	3.51E-01	9.48E-06
154	372055	757309	Offsite Worker	2.25E+00	4.78E-03	2.12E+00	8.46E-01	5.25E-01	4.04E-04	7.84E+00	1.43E-01	1.55E+00	5.54E-05	-2.93E-01	-2.26E-05	6.40E-01	1.10E-04	2.31E-01	1.10E-05	-1.22E+00	-3.29E-05
156	372055	757416	Offsite Worker	4.40E-01	9.37E-04	1.45E+00	5.81E-01	-6.96E-01	-5.35E-04	3.03E+00	5.51E-02	1.05E+00	3.74E-05	-4.24E-01	-3.26E-05	4.45E-01	7.68E-05	1.18E-01	5.61E-06	-2.55E+00	-6.88E-05
157	371952	757442	Offsite Worker	1.45E+00	3.09E-03	1.90E+00	7.62E-01	-2.21E-01	-1.70E-04	5.77E+00	1.05E-01	1.38E+00	4.94E-05	-3.79E-01	-2.92E-05	5.79E-01	9.98E-05	1.81E-01	8.62E-06	-2.19E+00	-5.92E-05
158	371950	757345	Offsite Worker	3.33E-01	7.09E-04	1.69E+00	6.77E-01	-1.38E+00	-1.06E-03	3.31E+00	6.01E-02	1.20E+00	4.30E-05	-5.30E-01	-4.08E-05	5.19E-01	8.95E-05	1.15E-01	5.50E-06	-3.81E+00	-1.03E-04
159	371864	757344	Offsite Worker	-3.87E-01	-8.24E-04	1.60E+00	6.41E-01	-1.77E+00	-1.36E-03	1.72E+00	3.13E-02	1.13E+00	4.05E-05	-6.44E-01	-4.95E-05	4.95E-01	8.54E-05	9.15E-02	4.36E-06	-4.37E+00	-1.18E-04
160	371790	757347	Offsite Worker	-2.30E-01	-4.89E-04	1.57E+00	6.30E-01	-1.28E+00	-9.88E-04	2.04E+00	3.71E-02	1.13E+00	4.02E-05	-6.02E-01	-4.63E-05	4.86E-01	8.38E-05	1.08E-01	5.13E-06	-3.61E+00	-9.75E-05
161	371708	757356	Offsite Worker	1.29E+00	2.74E-03	1.96E+00	7.83E-01	-3.65E-01	-2.81E-04	5.72E+00	1.04E-01	1.42E+00	5.07E-05	-4.31E-01	-3.31E-05	5.96E-01	1.03E-04	1.81E-01	8.61E-06	-2.48E+00	-6.70E-05
162	371615	757356	Offsite Worker	2.18E+00	4.64E-03	2.19E+00	8.76E-01	2.01E-01	1.54E-04	7.93E+00	1.44E-01	1.60E+00	5.71E-05	-3.33E-01	-2.56E-05	6.63E-01	1.14E-04	2.25E-01	1.07E-05	-1.79E+00	-4.85E-05
163	371523	757356	Offsite Worker	2.75E+00	5.85E-03	2.45E+00	9.79E-01	6.83E-01	5.26E-04	9.49E+00	1.73E-01	1.80E+00	6.41E-05	-3.09E-01	-2.37E-05	7.39E-01	1.27E-04	2.70E-01	1.28E-05	-1.26E+00	-3.41E-05
164	371430	757356	Offsite Worker	3.47E+00	7.38E-03	2.82E+00	1.13E+00	1.13E+00	8.73E-04	1.15E+01	2.09E-01	2.07E+00	7.41E-05	-2.94E-01	-2.26E-05	8.49E-01	1.46E-04	3.24E-01	1.54E-05	-8.48E-01	-2.29E-05
165	371338	757356	Offsite Worker	3.67E+00	7.81E-03	3.05E+00	1.22E+00	1.04E+00	8.04E-04	1.22E+01	2.22E-01	2.24E+00	7.99E-05	-3.33E-01	-2.56E-05	9.17E-01	1.58E-04	3.43E-01	1.64E-05	-1.19E+00	-3.22E-05
166	371245	757356	Offsite Worker	3.49E+00	7.43E-03	3.20E+00	1.28E+00	3.43E-01	2.64E-04	1.19E+01	2.16E-01	2.33E+00	8.33E-05	-4.24E-01	-3.26E-05	9.65E-01	1.66E-04	3.32E-01	1.58E-05	-2.40E+00	-6.50E-05
167	371153	757356	Offsite Worker	3.41E+00	7.26E-03	3.30E+00	1.32E+00	-7.08E-01	-5.45E-04	1.17E+01	2.13E-01	2.38E+00	8.50E-05	-4.76E-01	-3.66E-05	9.97E-01	1.72E-04	3.00E-01	1.43E-05	-4.14E+00	-1.12E-04
168	371061	757356	Offsite Worker	3.30E+00	7.01E-03	3.38E+00	1.35E+00	-1.62E+00	-1.25E-03	1.15E+01	2.09E-01	2.41E+00	8.61E-05	-5.27E-01	-4.05E-05	1.02E+00	1.76E-04	2.72E-01	1.30E-05	-5.64E+00	-1.52E-04
169	371005	757357	Offsite Worker	2.95E+00	6.27E-03	3.30E+00	1.32E+00	-2.35E+00	-1.81E-03	1.06E+01	1.93E-01	2.33E+00	8.33E-05	-5.69E-01	-4.38E-05	9.97E-01	1.72E-04	2.36E-01	1.12E-05	-6.68E+00	-1.80E-04
170	370998	757293	Offsite Worker	3.04E+00	6.47E-03	3.63E+00	1.45E+00	-1.10E+00	-8.42E-04	1.14E+01	2.07E-01	2.62E+00	9.34E-05	-6.69E-01	-5.14E-05	1.10E+00	1.90E-04	3.19E-01	1.52E-05	-5.12E+00	-1.38E-04
171	370998	757194	Offsite Worker	3.37E+00	7.16E-03	3.47E+00	1.39E+00	2.01E+00	1.54E-03	1.24E+01	2.26E-01	2.58E+00	9.21E-05	-5.43E-01	-4.17E-05	1.05E+00	1.81E-04	4.24E-01	2.02E-05	-2.07E-01	-5.58E-06
172	370998	757096	Offsite Worker	2.00E+00	4.25E-03	2.89E+00	1.16E+00	1.49E+00	1.15E-03	8.94E+00	1.62E-01	2.15E+00	7.69E-05	-6.16E-01	-4.74E-05	8.81E-01	1.52E-04	3.46E-01	1.65E-05	-6.09E-01	-1.65E-05
173	370998	756998	Offsite Worker	2.77E-01	5.89E-04	1.79E+00	7.15E-01	-3.18E+00	-2.45E-03	3.51E+00	6.39E-02	1.25E+00	4.47E-05	-5.81E-01	-4.47E-05	5.74E-01	9.90E-05	4.58E-02	2.18E-06	-8.03E+00	-2.17E-04
174	371057	756997	Offsite Worker	1.47E+00	3.12E-03	2.14E+00	8.57E-01	-1.87E+00	-1.44E-03	6.71E+00	1.22E-01	1.53E+00	5.45E-05	-4.63E-01	-3.56E-05	6.66E-01	1.15E-04	1.35E-01	6.42E-06	-5.74E+00	-1.55E-04
175	371153	756997	Offsite Worker	1.03E+00	2.18E-03	2.04E+00	8.14E-01	-1.92E+00	-1.47E-03	5.70E+00	1.04E-01	1.45E+00	5.17E-05	-5.14E-01	-3.95E-05	6.32E-01	1.09E-04	1.24E-01	5.93E-06	-5.50E+00	-1.49E-04
176	371249	756997	Offsite Worker	1.12E+00	2.38E-03	2.07E+00	8.27E-01	-2.16E+00	-1.66E-03	5.87E+00	1.07E-01	1.46E+00	5.23E-05	-5.07E-01	-3.90E-05	6.43E-01	1.11E-04	1.17E-01	5.59E-06	-5.99E+00	-1.62E-04
177	371345	756997	Offsite Worker	2.30E+00	4.89E-03	2.47E+00	9.89E-01	-1.68E+00	-1.30E-03	8.87E+00	1.61E-01	1.77E+00	6.31E-05	-4.11E-01	-3.16E-05	7.62E-01	1.31E-04	1.75E-01	8.33E-06	-5.65E+00	-1.53E-04
178	371440	756997	Offsite Worker	3.55E+00	7.55E-03	2.99E+00	1.20E+00	3.40E-02	2.62E-05	1.24E+01	2.26E-01	2.17E+00	7.76E-05	-3.40E-01	-2.61E-05	9.05E-01	1.56E-04	2.96E-01	1.41E-05	-2.96E+00	-7.99E-05
179	371536	756997	Offsite Worker	4.29E+00	9.12E-03	3.25E+00	1.30E+00	1.18E+00	9.08E-04	1.45E+01	2.63E-01	2.39E+00	8.53E-05	-2.81E-01	-2.16E-05	9.79E-01	1.69E-04	3.68E-01	1.75E-05	-1.27E+00	-3.42E-05
180	371632	756997	Offsite Worker	4.57E+00	9.72E-03	3.27E+00	1.31E+00	2.14E+00	1.65E-03	1.52E+01	2.76E-01	2.42E+00	8.66E-05	-2.31E-01	-1.77E-05	9.82E-01	1.69E-04	4.08E-01	1.94E-05	2.65E-01	7.16E-06
181	371728	756997	Offsite Worker	4.60E+00	9.80E-03	3.18E+00	1.27E+00	2.50E+00	1.92E-03	1.52E+01	2.76E-01	2.37E+00	8.45E-05	-1.91E-01	-1.47E-05	9.54E-01	1.64E-04	4.13E-01	1.97E-05	9.43E-01	2.55E-05
182	371824	756997	Offsite Worker	3.94E+00	8.39E-03	2.81E+00	1.12E+00	1.86E+00	1.43E-03	1.32E+01	2.40E-01	2.08E+00	7.43E-05	-1.93E-01	-1.49E-05	8.42E-01	1.45E-04	3.51E-01	1.67E-05	2.77E-01	7.50E-06
183	371920	756997	Offsite Worker	2.35E+00	4.99E-03	1.97E+00	7.88E-01	1.72E+00	1.32E-03	8.75E+00	1.59E-01	1.48E+00	5.28E-05	-2.21E-01	-1.70E-05	5.96E-01	1.03E-04	2.63E-01	1.25E-05	7.05E-01	1.91E-05
184	372016	756997	Offsite Worker	2.41E+00	5.14E-03	1.97E+00	7.87E-01	2.42E+00	1.86E-03	8.96E+00	1.63E-01	1.50E+00	5.34E-05	-2.06E-01	-1.59E-05	5.95E-01	1.03E-04	2.90E-01	1.38E-05	1.80E+00	4.86E-05
185	372111	756997	Offsite Worker	3.91E+00	8.33E-03	2.66E+00	1.06E+00	4.96E+00	3.81E-03	1.33E+01	2.41E-01	2.06E+00	7.35E-05	-1.45E-01	-1.12E-05	7.98E-01	1.38E-04	4.58E-01	2.18E-05	5.19E+00	1.40E-04
186	372207	756997	Offsite Worker	1.94E+00	4.13E-03	1.65E+00	6.59E-01	2.27E+00	1.75E-03	7.55E+00	1.37E-01	1.26E+00	4.50E-05	-1.89E-01	-1.45E-05	4.99E-01	8.61E-05	2.52E-01	1.20E-05	1.84E+00	4.97E-05
187	372303	756997	Offsite Worker	3.20E+00	6.81E-03	2.26E+00	9.04E-01	3.51E+00	2.70E-03	1.11E+01	2.02E-01	1.73E+00	6.19E-05	-1.50E-01	-1.15E-05	6.80E-01	1.17E-04	3.62E-01	1.72E-05	3.29E+00	8.91E-05
188	372399	756997	Offsite Worker	4.17E+00	8.86E-03	2.73E+00	1.09E+00	5.06E+00	3.89E-03	1.39E+01	2.52E-01	2.11E+00	7.54E-05	-1.19E-01	-9.19E-06	8.18E-01	1.41E-04	4.69E-01	2.23E-05	5.32E+00	1.44E-04
189	372495	756997	Offsite Worker	6.50E+00	1.38E-02	3.86E+00	1.54E+00	9.36E+00	7.20E-03	2.06E+01	3.75E-01	3.04E+00	1.09E-04	-4.69E-02	-3.61E-06	1.15E+00	1.99E-04	7.51E-01	3.58E-05	1.11E+01	2.99E-04
190	372591	756997	Offsite Worker	6.78E+00	1.44E-02	3.97E+00	1.59E+00	9.72E+00	7.48E-03	2.13E+01	3.87E-01	3.13E+00	1.12E-04	-2.88E-02	-2.21E-06	1.18E+00	2.04E-04	7.76E-01	3.70E-05	1.16E+01	3.12E-04
191	372610	757063	Offsite Worker	6.09E+00	1.30E-02	3.61E+00	1.44E+00	8.96E+00	6.89E-03	1.88E+01	3.42E-01	2.85E+00	1.02E-04	-3.98E-02	-3.06E-06	1.08E+00	1.86E-04	7.10E-01	3.38E-05	1.07E+01	2.88E-04
192	372612	757132	Offsite Worker	3.93E+00	8.37E-03	2.51E+00	1.00E+00	4.13E+00	3.18E-03	1.24E+01	2.25E-01	1.93E+00	6.88E-05	-9.02E-02	-6.94E-06	7.52E-01	1.30E-04	4.11E-01	1.96E-05	4.12E+00	1.11E-04
193	372614	757201	Offsite Worker	1.29E+00	2.75E-03	1.18E+00	4.72E-01	4.19E-02	3.23E-05	4.96E+00	9.02E-02	8.60E-01	3.07E-05	-1.56E-01	-1.20E-05	3.58E-01	6.17E-05	1.18E-01	5.64E-06	-1.12E+00	-3.03E-05
194	372616	757270	Offsite Worker	1.96E+00	4.16E-03	1.52E+00	6.09E-01	1.23E+00	9.45E-04	6.60E+00	1.20E-01	1.14E+00	4.06E-05	-1.41E-01	-1.09E-05	4.58E-01	7.90E-05	1.99E-01	9.48E-06	4.55E-01	1.23E-05
195	372627	757351	Offsite Worker	2.24E+00	4.76E-03	1.68E+00	6.71E-01	1.88E+00	1.45E-03	7.35E+00	1.34E-01	1.27E+00	4.52E-05	-1.40E-01	-1.08E-05	5.05E-01	8.70E-05	2.40E-01	1.15E-05	1.36E+00	3.66E-05

Table 3-1B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 1, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acetaldehyde Acute Hazard	acrolein (µg/m^3)	acrolein Acute Hazard	benzene (µg/m^3)	benzene Acute Hazard	formaldehyde (µg/m^3)	formaldehyde Acute Hazard	methyl alcohol (µg/m^3)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m^3)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m^3)	phenol (carbolic acid) Acute Hazard	styrene (µg/m^3)	styrene Acute Hazard	toluene (µg/m^3)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
196	372651	757422	Offsite Worker	2.30E+00	4.89E-03	1.71E+00	6.82E-01	1.88E+00	1.45E-03	7.47E+00	1.36E-01	1.29E+00	4.60E-05	-1.37E-01	-1.06E-05	5.13E-01	8.85E-05	2.43E-01	1.16E-05	1.31E+00	3.55E-05
197	372676	757494	Offsite Worker	2.59E+00	5.50E-03	1.89E+00	7.58E-01	1.89E+00	1.45E-03	8.29E+00	1.51E-01	1.42E+00	5.08E-05	-1.46E-01	-1.12E-05	5.69E-01	9.81E-05	2.62E-01	1.25E-05	1.18E+00	3.18E-05
198	372704	757569	Offsite Worker	2.67E+00	5.68E-03	1.94E+00	7.76E-01	1.28E+00	9.82E-04	8.44E+00	1.54E-01	1.44E+00	5.14E-05	-1.45E-01	-1.11E-05	5.83E-01	1.00E-04	2.42E-01	1.15E-05	1.98E-01	5.36E-06
199	372733	757645	Offsite Worker	2.22E+00	4.71E-03	1.82E+00	7.28E-01	5.93E-01	4.56E-04	7.26E+00	1.32E-01	1.34E+00	4.77E-05	-1.95E-01	-1.50E-05	5.48E-01	9.45E-05	2.04E-01	9.71E-06	-7.54E-01	-2.04E-05
200	372746	757702	Offsite Worker	1.84E+00	3.91E-03	1.70E+00	6.79E-01	1.50E-01	1.15E-04	6.26E+00	1.14E-01	1.24E+00	4.41E-05	-2.27E-01	-1.75E-05	5.12E-01	8.83E-05	1.74E-01	8.31E-06	-1.35E+00	-3.64E-05
201	372746	757768	Offsite Worker	1.40E+00	2.98E-03	1.51E+00	6.02E-01	-1.69E-01	-1.30E-04	5.00E+00	9.10E-02	1.09E+00	3.90E-05	-2.49E-01	-1.91E-05	4.56E-01	7.86E-05	1.43E-01	6.81E-06	-1.70E+00	-4.60E-05
202	372807	757781	Offsite Worker	1.51E+00	3.21E-03	1.53E+00	6.10E-01	-5.08E-02	-3.90E-05	5.28E+00	9.60E-02	1.11E+00	3.96E-05	-2.34E-01	-1.80E-05	4.62E-01	7.96E-05	1.50E-01	7.12E-06	-1.52E+00	-4.12E-05
203	372901	757782	Offsite Worker	1.78E+00	3.78E-03	1.58E+00	6.32E-01	2.67E-01	2.06E-04	6.08E+00	1.11E-01	1.15E+00	4.12E-05	-1.98E-01	-1.52E-05	4.76E-01	8.21E-05	1.67E-01	7.96E-06	-1.06E+00	-2.88E-05
204	372994	757783	Offsite Worker	2.05E+00	4.37E-03	1.64E+00	6.56E-01	5.81E-01	4.47E-04	6.79E+00	1.23E-01	1.20E+00	4.30E-05	-1.64E-01	-1.26E-05	4.93E-01	8.51E-05	1.85E-01	8.83E-06	-6.16E-01	-1.67E-05
205	373087	757783	Offsite Worker	2.29E+00	4.87E-03	1.68E+00	6.72E-01	9.21E-01	7.08E-04	7.37E+00	1.34E-01	1.24E+00	4.43E-05	-1.31E-01	-1.00E-05	5.05E-01	8.70E-05	2.03E-01	9.65E-06	-1.17E-01	-3.18E-06
206	373180	757784	Offsite Worker	2.51E+00	5.35E-03	1.74E+00	6.96E-01	1.13E+00	8.73E-04	7.93E+00	1.44E-01	1.29E+00	4.60E-05	-1.06E-01	-8.12E-06	5.22E-01	8.99E-05	2.17E-01	1.03E-05	1.69E-01	4.56E-06
207	373274	757785	Offsite Worker	2.53E+00	5.38E-03	1.70E+00	6.78E-01	1.18E+00	9.08E-04	7.89E+00	1.43E-01	1.26E+00	4.49E-05	-8.73E-02	-6.72E-06	5.08E-01	8.76E-05	2.14E-01	1.02E-05	2.72E-01	7.34E-06
208	373367	757786	Offsite Worker	2.24E+00	4.77E-03	1.55E+00	6.19E-01	1.15E+00	8.82E-04	7.07E+00	1.29E-01	1.15E+00	4.11E-05	-9.31E-02	-7.16E-06	4.64E-01	8.01E-05	1.98E-01	9.44E-06	3.47E-01	9.39E-06
209	373418	757742	Offsite Worker	2.45E+00	5.21E-03	1.63E+00	6.50E-01	2.17E+00	1.67E-03	7.66E+00	1.39E-01	1.23E+00	4.41E-05	-7.85E-02	-6.04E-06	4.87E-01	8.40E-05	2.46E-01	1.17E-05	1.85E+00	5.00E-05
210	373418	757653	Offsite Worker	2.91E+00	6.19E-03	1.82E+00	7.27E-01	2.71E+00	2.08E-03	8.94E+00	1.63E-01	1.39E+00	4.95E-05	-5.26E-02	-4.05E-06	5.44E-01	9.37E-05	2.87E-01	1.37E-05	2.57E+00	6.94E-05
211	373419	757564	Offsite Worker	2.48E+00	5.29E-03	1.60E+00	6.39E-01	1.34E+00	1.03E-03	7.62E+00	1.39E-01	1.19E+00	4.25E-05	-6.18E-02	-4.75E-06	4.78E-01	8.24E-05	2.11E-01	1.00E-05	6.41E-01	1.73E-05
212	373419	757475	Offsite Worker	1.30E+00	2.76E-03	1.00E+00	4.00E-01	3.08E-01	2.37E-04	4.25E+00	7.73E-02	7.35E-01	2.62E-05	-9.11E-02	-7.00E-06	3.02E-01	5.21E-05	1.11E-01	5.28E-06	-5.10E-01	-1.38E-05
213	373420	757386	Offsite Worker	1.26E+00	2.68E-03	9.76E-01	3.90E-01	3.04E-01	2.34E-04	4.12E+00	7.49E-02	7.16E-01	2.56E-05	-9.04E-02	-6.95E-06	2.95E-01	5.08E-05	1.08E-01	5.16E-06	-4.93E-01	-1.33E-05
214	373420	757297	Offsite Worker	1.46E+00	3.10E-03	1.08E+00	4.33E-01	3.12E-01	2.40E-04	4.65E+00	8.46E-02	7.94E-01	2.84E-05	-8.85E-02	-6.81E-06	3.27E-01	5.64E-05	1.19E-01	5.67E-06	-5.86E-01	-1.58E-05
215	373421	757207	Offsite Worker	1.69E+00	3.60E-03	1.20E+00	4.81E-01	3.36E-01	2.59E-04	5.26E+00	9.57E-02	8.80E-01	3.14E-05	-8.32E-02	-6.40E-06	3.62E-01	6.24E-05	1.32E-01	6.28E-06	-6.30E-01	-1.70E-05
216	373421	757118	Offsite Worker	1.37E+00	2.91E-03	1.12E+00	4.47E-01	-1.95E-02	-1.50E-05	4.36E+00	7.93E-02	8.11E-01	2.90E-05	-1.18E-01	-9.10E-06	3.38E-01	5.83E-05	1.10E-01	5.22E-06	-1.15E+00	-3.11E-05
217	373292	757117	Offsite Worker	1.83E+00	3.90E-03	1.37E+00	5.46E-01	2.61E-01	2.01E-04	5.80E+00	1.05E-01	9.97E-01	3.56E-05	-1.12E-01	-8.64E-06	4.12E-01	7.10E-05	1.45E-01	6.91E-06	-9.09E-01	-2.46E-05
218	373213	757118	Offsite Worker	2.16E+00	4.59E-03	1.54E+00	6.15E-01	5.00E-01	3.85E-04	6.84E+00	1.24E-01	1.13E+00	4.02E-05	-1.07E-01	-8.20E-06	4.62E-01	7.97E-05	1.72E-01	8.17E-06	-6.72E-01	-1.82E-05
219	373158	757066	Offsite Worker	2.20E+00	4.69E-03	1.60E+00	6.41E-01	4.61E-01	3.55E-04	6.93E+00	1.26E-01	1.17E+00	4.19E-05	-1.21E-01	-9.29E-06	4.82E-01	8.31E-05	1.77E-01	8.41E-06	-7.95E-01	-2.15E-05
220	373084	757026	Offsite Worker	2.20E+00	4.69E-03	1.63E+00	6.54E-01	4.99E-01	3.84E-04	6.99E+00	1.27E-01	1.20E+00	4.28E-05	-1.32E-01	-1.01E-05	4.92E-01	8.48E-05	1.81E-01	8.63E-06	-7.74E-01	-2.09E-05
221	373009	757011	Offsite Worker	2.62E+00	5.58E-03	1.87E+00	7.47E-01	7.76E-01	5.97E-04	8.18E+00	1.49E-01	1.37E+00	4.90E-05	-1.29E-01	-9.94E-06	5.61E-01	9.68E-05	2.15E-01	1.03E-05	-5.32E-01	-1.44E-05
222	372922	757009	Offsite Worker	2.96E+00	6.30E-03	2.04E+00	8.18E-01	1.12E+00	8.63E-04	9.18E+00	1.67E-01	1.51E+00	5.39E-05	-1.23E-01	-9.43E-06	6.13E-01	1.06E-04	2.46E-01	1.17E-05	-1.41E-01	-3.81E-06
223	372835	757007	Offsite Worker	2.82E+00	6.00E-03	2.00E+00	7.99E-01	8.66E-01	6.66E-04	8.82E+00	1.60E-01	1.47E+00	5.24E-05	-1.34E-01	-1.03E-05	6.00E-01	1.03E-04	2.32E-01	1.10E-05	-5.12E-01	-1.39E-05
224	372747	757006	Offsite Worker	3.08E+00	6.56E-03	2.14E+00	8.55E-01	1.80E+00	1.39E-03	9.71E+00	1.77E-01	1.60E+00	5.70E-05	-1.31E-01	-1.01E-05	6.42E-01	1.11E-04	2.82E-01	1.35E-05	8.10E-01	2.19E-05
225	372660	757004	Offsite Worker	5.64E+00	1.20E-02	3.41E+00	1.36E+00	6.08E+00	4.68E-03	1.74E+01	3.17E-01	2.63E+00	9.38E-05	-6.25E-02	-4.80E-06	1.02E+00	1.76E-04	5.77E-01	2.75E-05	6.41E+00	1.73E-04
226	372651	757063	Offsite Worker	6.11E+00	1.30E-02	3.61E+00	1.44E+00	8.91E+00	6.85E-03	1.89E+01	3.44E-01	2.85E+00	1.02E-04	-3.66E-02	-2.81E-06	1.08E+00	1.86E-04	7.09E-01	3.38E-05	1.06E+01	2.86E-04
227	372629	756931	Offsite Worker	4.38E+00	9.31E-03	2.79E+00	1.12E+00	3.36E+00	2.58E-03	1.33E+01	2.43E-01	2.11E+00	7.53E-05	-1.01E-01	-7.73E-06	8.35E-01	1.44E-04	4.08E-01	1.95E-05	2.68E+00	7.24E-05
228	372631	756857	Offsite Worker	4.44E+00	9.45E-03	2.82E+00	1.13E+00	3.36E+00	2.58E-03	1.34E+01	2.44E-01	2.13E+00	7.60E-05	-9.69E-02	-7.46E-06	8.43E-01	1.45E-04	4.11E-01	1.96E-05	2.67E+00	7.22E-05
229	372634	756783	Offsite Worker	3.62E+00	7.71E-03	2.39E+00	9.58E-01	2.64E+00	2.03E-03	1.10E+01	2.01E-01	1.80E+00	6.44E-05	-1.12E-01	-8.65E-06	7.18E-01	1.24E-04	3.41E-01	1.62E-05	1.89E+00	5.10E-05
230	372702	756778	Offsite Worker	3.29E+00	7.01E-03	2.23E+00	8.94E-01	2.23E+00	1.72E-03	1.01E+01	1.83E-01	1.68E+00	5.99E-05	-1.23E-01	-9.43E-06	6.70E-01	1.16E-04	3.09E-01	1.47E-05	1.38E+00	3.74E-05
231	372756	756775	Offsite Worker	2.91E+00	6.19E-03	1.98E+00	7.93E-01	1.98E+00	1.52E-03	8.91E+00	1.62E-01	1.49E+00	5.32E-05	-1.11E-01	-8.57E-06	5.96E-01	1.03E-04	2.74E-01	1.30E-05	1.20E+00	3.23E-05
232	372729	756712	Offsite Worker	2.95E+00	6.27E-03	2.04E+00	8.16E-01	2.77E+00	2.13E-03	9.13E+00	1.66E-01	1.55E+00	5.55E-05	-1.24E-01	-9.55E-06	6.14E-01	1.06E-04	3.11E-01	1.48E-05	2.33E+00	6.30E-05
233	372703	756650	Offsite Worker	3.10E+00	6.60E-03	2.15E+00	8.61E-01	2.41E+00	1.85E-03	9.57E+00	1.74E-01	1.62E+00	5.80E-05	-1.32E-01	-1.01E-05	6.46E-01	1.11E-04	3.07E-01	1.46E-05	1.70E+00	4.59E-05
234	372677	756588	Offsite Worker	3.54E+00	7.54E-03	2.38E+00	9.54E-01	2.93E+00	2.25E-03	1.08E+01	1.97E-01	1.80E+00	6.44E-05	-1.25E-01	-9.61E-06	7.15E-01	1.23E-04	3.51E-01	1.67E-05	2.32E+00	6.28E-05
235	372619	756588	Offsite Worker	2.95E+00	6.28E-03	2.09E+00	8.36E-01	2.53E+00	1.95E-03	9.18E+00	1.67E-01	1.58E+00	5.66E-05	-1.41E-01	-1.08E-05	6.29E-01	1.08E-04	3.06E-01	1.46E-05	1.91E+00	5.15E-05
236	372622	756509	Offsite Worker	6.17E+00	1.31E-02	4.05E+00	1.62E+00	2.72E+00	2.09E-03	1.85E+01	3.36E-01	2.99E+00	1.07E-04	-1.81E-01	-1.40E-05	1.21E+00	2.09E-04	5.08E-01	2.42E-05	6.42E-01	1.73E-05
237	372700	756511	Offsite Worker	5.43E+00	1.16E-02	3.59E+00	1.44E+00	2.48E+00	1.91E-03	1.63E+01	2.97E-01	2.66E+00	9.50E-05	-1.68E-01	-1.29E-05	1.07E+00	1.85E-04	4.53E-01	2.16E-05	6.45E-01	1.74E-05
238	372789	756510	Offsite Worker	4.76E+00	1.01E-02	3.19E+00	1.27E+00	2.00E+00	1.54E-03	1.43E+01	2.61E-01	2.36E+00	8.41E-05	-1.62E-01	-1.25E-05	9.54E-01	1.64E-04	3.94E-01	1.88E-05	2.37E-01	6.41E-06
239	372871	756509	Offsite Worker	4.24E+00	9.01E-03	2.87E+00	1.15E+00	1.53E+00	1.18E-03	1.28E+01	2.32E-01	2.12E+00	7.57E-05	-1.58E-01	-1.22E-05	8.61E-01	1.48E-04	3.45E-01	1.64E-05	-2.20E-01	-5.94E-06
240	372871	756437	Offsite Worker	3.39E+00	7.22E-03	2.41E+00	9.65E-01	6.70E-01	5.16E-04	1.03E+01	1.88E-01	1.76E+00	6.29E-05	-1.65E-01	-1.27E-05	7.24E-01	1.25E-04	2.65E-01	1.26E-05	-1.16E+00	-3.14E-05
241	372970	756437	Offsite Worker	2.95E+00	6.27E-03	2.11E+00	8.44E-01	6.33E-01	4.87E-04	8.99E+00	1.63E-01	1.54E+00	5.51E-05	-1.50E-01	-1.15E-05	6.34E-01	1.09E-04	2.34E-01	1.11E-05	-9.69E-01	-2.62E-05
242	373069	756437	Offsite Worker	2.68E+00	5.70E-03	1.92E+00	7.67E-01	5.37E-01	4.13E-04	8.17E+00	1.48E-01	1.40E+00	5.01E-05	-1.35E-01	-1.04E-05	5.76E-01	9.93E-05	2.11E-01	1.00E-05	-9.52E-01	-2.57E-05
243	373168	756437	Offsite Worker	2.68E+00	5.70E-03	1.89E+00	7.57E-01	5.19E-01	3.99E-04	8.13E+00	1.48E-01	1.38E+00	4.94E-05	-1.26E-01	-9.70E-06	5.68E-01	9.79E-05	2.07E-01	9.88E-06	-9.40E-01	-2.54E-05
244	373267	756437	Offsite Worker	2.75E+00	5.86E-03	1.91E+00	7.64E-01	5.75E-01	4.42E-04	8.31E+00	1.51E-01	1.40E+00	4.98E-05	-1.17E-01	-9.01E-06	5.72E-01	9.87E-05	2.11E-01	1.01E-05	-8.51E-01	-2.30E-05
245	373412	756437	Offsite Worker	2.69E+00	5.72E-03	1.84E+00	7.35E-01	7.40E-01	5.69E-04	8.10E+00	1.47E-01	1.35E+00	4.81E-05	-1.05E-01	-8.08E-06	5.51E-01	9.50E-05	2.11E-01	1.00E-05	-5.25E-01	-1.42E-05
246	373409	756339	Offsite Worker	2.38E+00	5.06E-03	1.80E+00	7.19E-01	-4.30E-02	-3.31E-05	7.31E+00	1.33E-01	1.30E+00	4.64E-05	-1.54E-01	-1.18E-05	5.41E-01	9.32E-05	1.76E-01	8.38E-06	-1.76E+00	-4.75E-05
247	373406	756240	Offsite Worker	2.56E+00	5.44E-03	1.95E+00	7.79E-01	-2.28E-01	-1.75E-04	7.87E+00	1.43E-01	1.40E+00	5.01E-05	-1.70E-01	-1.31E-05	5.85E-01	1.01E-04	1.84E-01	8.75E-06	-2.14E+00	-5.77E-05
248	373403	756142	Offsite Worker	2.70E+00	5.75E-03	2.00E+00	8.00E-01	5.88E-01	4.52E-04	8.33E+00	1.51E-01	1.46E+00	5.22E-05	-1.59E-01	-1.22E-05	6.00E-01	1.03E-04	2.21E-01	1.05E-05	-9.19E-01	-2.48E-05
249	373400	756042	Offsite Worker	1.64E+00	3.50E-03	1.78E+00	7.10E-01	1.38E-01	1.06E-04	5.81E+00	1.06E-01	1.30E+00	4.63E-05	-2.95E-01	-2.27E-05	5.37E-01	9.26E-05	1.82E-01	8.68E-06	-1.43E+00	-3.87E-05
250	373397	755944	Offsite Worker	8.46E-01	1.80E-03	1.29E+00	5.17E-01	-4.41E-01	-3.39E-04	3.45E+00	6.27E-02	9.32E-01	3.33E-05	-2.85E-01	-2.20E-05	3.93E-01	6.78E-05	1.11E-01	5.31E-06	-1.94E+00	-5.23E-05
251	373393	755846	Offsite Worker	7.04E-01	1.50E-03	1.14E+00	4.56E-01	-5.26E-01	-4.05E-04	2.94E+00	5.34E-02	8.18E-01	2.92E-05	-2.60E-01	-2.00E-05	3.47E-01	5.98E-05	9.28E-02	4.42E-06	-1.93E+00	-5.22E-05
252	373390	755747	Offsite Worker	1.19E+00	2.53E-03	1.30E+00	5.19E-01	-6.42E-01	-4.94E-04	4.15E+00	7.54E-02	9.25E-01	3.30E-05	-2.17E-01	-1.67E-05	3.92E-01	6.76E-05	1.04E-01	4.94E-06	-2.19E+00	-5.92E-05
253	373309	755744	Offsite Worker	1.38E+00	2.93E-03	1.41E+00	5.64E-01	-6.37E-01	-4.90E-04	4.70E+00	8.54E-02	1.01E+00	3.60E-05	-2.19E-01	-1.69E-05	4.26E-01	7.34E-05	1.15E-01	5.49E-06	-2.26E+00	-6.12E-05
254	373229	755743	Offsite Worker	1.46E+00	3.11E-03	1.47E+00	5.90E-01	-5.71E-01	-4.40E-04	4.96E+00	9.02E-02	1.05E+00	3.77E-05	-2.25E-01	-1.73E-05	4.45E-01	7.67E-05	1.24E-01	5.92E-06	-2.21E+00	-5.98E-05
255	373143	755741	Offsite Worker	1.41E+00	3.00E-03	1.48E+00	5.94E-01	-4.10E-01	-3.15E-04	4.89E+00	8.89E-02	1.07E+00	3.81E-05	-2.38E-01	-1.83E-05	4.48E-01	7.72E-05	1.32E-01	6.27E-06	-1.97E+00	-5.34E-05
256	373143	755823	Offsite Worker	9.75E-01	2.07E-03	1.36E+00	5.44E-01	-9.32E-01	-7.17E-04	3.77E+00	6.86E-02	9.65E-01	3.45E-05	-2.83E-01	-2.18E-05	4.12E-01	7.10E-05	9.90E-02	4.71E-06	-2.69E+00	-7.27E-05
257	373143	755906	Offsite Worker	4.71E-01	1.00E-03	1.31E+00	5.26E-01	-1.01E+00	-7.80E-04	2.66E+00	4.84E-02	9.34E-01	3.34E-05	-3.69E-01	-2.83E-05	4.01E-01	6.92E-05	9.17E-02	4.37E-06	-2.82E+00	-7.63E-05
258	373065	755906	Offsite Worker	4.30E-01	9.14E-04	1.34E+00	5.34E-01	-1.24E+00	-9.55E-04	2.59E+00	4.71E-02	9.43E-01	3.37E-05	-3.85E-01	-2.96E-05	4.08E-01	7.03E-05	8.50E-02	4.05E-06	-3.18E+00	-8.60E-05
259	373065	755827	Offsite Worker	6.09E-01	1.30E-03	1.33E+00	5.30E-01	-1.04E+00	-8.01E-04	2.97E+00	5.40E-02	9.40E-01	3.36E-05	-3.45E-01	-2.65E-05	4.03E-01	6.95E-05	9.19E-02	4.37E-06	-2.83E+00	-7.65E-05
260	373068	755733	Offsite Worker	1.75E+00	3.72E-03	1.60E+00	6.39E-01	-2.81E-01	-2.16E-04	5.75E+00	1.05E-01	1.15E+00	4.11E-05	-2.10E-01	-1.61E-05	4.81E-01	8.29E-05	1.48E-01	7.03E-06	-1.87E+00	-5.05E-05

Table 3-1B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 1, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acetaldehyde Acute Hazard	acrolein (µg/m^3)	acrolein Acute Hazard	benzene (µg/m^3)	benzene Acute Hazard	formaldehyde (µg/m^3)	formaldehyde Acute Hazard	methyl alcohol (µg/m^3)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m^3)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m^3)	phenol (carbolic acid) Acute Hazard	styrene (µg/m^3)	styrene Acute Hazard	toluene (µg/m^3)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
261	373007	755733	Offsite Worker	1.79E+00	3.80E-03	1.60E+00	6.40E-01	-3.01E-01	-2.32E-04	5.83E+00	1.06E-01	1.15E+00	4.11E-05	-2.04E-01	-1.57E-05	4.82E-01	8.31E-05	1.47E-01	7.01E-06	-1.91E+00	-5.16E-05
262	372941	755733	Offsite Worker	1.88E+00	4.00E-03	1.61E+00	6.46E-01	-3.94E-01	-3.03E-04	6.02E+00	1.10E-01	1.16E+00	4.14E-05	-1.90E-01	-1.47E-05	4.86E-01	8.37E-05	1.45E-01	6.90E-06	-2.06E+00	-5.58E-05
263	372941	755636	Offsite Worker	1.25E+00	2.66E-03	1.09E+00	4.35E-01	-3.12E-01	-2.40E-04	4.01E+00	7.28E-02	7.82E-01	2.79E-05	-1.32E-01	-1.01E-05	3.29E-01	5.67E-05	9.53E-02	4.54E-06	-1.55E+00	-4.18E-05
264	372941	755539	Offsite Worker	8.91E-01	1.90E-03	8.77E-01	3.51E-01	-7.02E-01	-5.40E-04	2.94E+00	5.35E-02	6.19E-01	2.21E-05	-1.30E-01	-1.00E-05	2.66E-01	4.59E-05	5.91E-02	2.81E-06	-1.96E+00	-5.31E-05
265	372941	755442	Offsite Worker	-8.60E-02	-1.83E-04	3.77E-01	1.51E-01	-7.80E-01	-6.00E-04	2.39E-01	4.35E-03	2.59E-01	9.25E-06	-1.51E-01	-1.16E-05	1.19E-01	2.04E-05	6.57E-03	3.13E-07	-1.69E+00	-4.58E-05
266	372913	755342	Offsite Worker	-1.59E-01	-3.38E-04	3.35E-01	1.34E-01	-1.14E+00	-8.78E-04	-2.29E-03	-4.17E-05	2.18E-01	7.78E-06	-1.51E-01	-1.16E-05	1.06E-01	1.82E-05	-1.18E-02	-5.63E-07	-2.20E+00	-5.95E-05
267	372817	755346	Offsite Worker	-3.53E-01	-7.51E-04	2.41E-01	9.63E-02	-1.54E+00	-1.19E-03	-5.76E-01	-1.05E-02	1.40E-01	4.99E-06	-1.57E-01	-1.21E-05	7.80E-02	1.35E-05	-3.71E-02	-1.77E-06	-2.76E+00	-7.47E-05
268	372720	755349	Offsite Worker	-1.09E-03	-2.32E-06	4.19E-01	1.68E-01	-2.04E+00	-1.57E-03	3.44E-01	6.25E-03	2.54E-01	9.06E-06	-1.49E-01	-1.15E-05	1.31E-01	2.25E-05	-3.90E-02	-1.86E-06	-3.66E+00	-9.89E-05
269	372624	755352	Offsite Worker	6.70E-01	1.42E-03	7.76E-01	3.11E-01	-2.71E+00	-2.09E-03	2.15E+00	3.91E-02	4.90E-01	1.75E-05	-1.40E-01	-1.07E-05	2.35E-01	4.06E-05	-3.01E-02	-1.43E-06	-4.94E+00	-1.34E-04
270	372527	755349	Offsite Worker	7.72E-01	1.64E-03	8.21E-01	3.28E-01	-2.81E+00	-2.16E-03	2.41E+00	4.38E-02	5.19E-01	1.85E-05	-1.35E-01	-1.04E-05	2.48E-01	4.28E-05	-2.96E-02	-1.41E-06	-5.13E+00	-1.39E-04
271	372431	755353	Offsite Worker	3.20E-01	6.81E-04	5.61E-01	2.24E-01	-2.39E+00	-1.83E-03	1.17E+00	2.12E-02	3.44E-01	1.23E-05	-1.34E-01	-1.03E-05	1.72E-01	2.96E-05	-3.87E-02	-1.84E-06	-4.29E+00	-1.16E-04
272	372334	755356	Offsite Worker	-3.56E-02	-7.56E-05	3.80E-01	1.52E-01	-2.00E+00	-1.54E-03	2.29E-01	4.17E-03	2.26E-01	8.07E-06	-1.42E-01	-1.09E-05	1.18E-01	2.04E-05	-4.12E-02	-1.96E-06	-3.55E+00	-9.60E-05
273	372237	755359	Offsite Worker	4.08E-01	8.68E-04	5.97E-01	2.39E-01	-2.11E+00	-1.62E-03	1.43E+00	2.60E-02	3.77E-01	1.35E-05	-1.29E-01	-9.92E-06	1.82E-01	3.14E-05	-2.43E-02	-1.16E-06	-3.89E+00	-1.05E-04
274	372141	755362	Offsite Worker	3.66E-01	7.78E-04	5.77E-01	2.31E-01	-1.43E+00	-1.10E-03	1.40E+00	2.54E-02	3.81E-01	1.36E-05	-1.30E-01	-1.00E-05	1.76E-01	3.03E-05	8.62E-04	4.10E-08	-2.78E+00	-7.52E-05
275	372044	755366	Offsite Worker	8.34E-01	1.78E-03	8.36E-01	3.34E-01	-1.06E+00	-8.17E-04	2.75E+00	5.01E-02	5.78E-01	2.06E-05	-1.27E-01	-9.75E-06	2.53E-01	4.35E-05	4.10E-02	1.95E-06	-2.43E+00	-6.56E-05
276	371948	755369	Offsite Worker	7.49E-01	1.59E-03	8.24E-01	3.30E-01	-5.95E-01	-4.57E-04	2.60E+00	4.73E-02	5.84E-01	2.09E-05	-1.40E-01	-1.07E-05	2.50E-01	4.32E-05	5.81E-02	2.77E-06	-1.75E+00	-4.72E-05
277	371851	755372	Offsite Worker	-5.10E-01	-1.09E-03	3.07E-01	1.23E-01	-1.88E+00	-1.45E-03	-8.45E-01	-1.54E-02	1.81E-01	6.46E-06	-2.12E-01	-1.63E-05	9.99E-02	1.72E-05	-4.38E-02	-2.09E-06	-3.40E+00	-9.19E-05
278	371755	755375	Offsite Worker	-1.45E+00	-3.08E-03	-5.77E-02	-2.31E-02	-3.56E+00	-2.74E-03	-3.43E+00	-6.24E-02	-1.26E-01	-4.48E-06	-2.74E-01	-2.11E-05	-7.37E-03	-1.27E-06	-1.46E-01	-6.95E-06	-5.69E+00	-1.54E-04
279	371658	755378	Offsite Worker	-1.81E+00	-3.85E-03	-2.11E-01	-8.46E-02	-4.82E+00	-3.71E-03	-4.52E+00	-8.22E-02	-2.70E-01	-9.65E-06	-2.93E-01	-2.25E-05	-5.25E-02	-9.06E-06	-2.11E-01	-1.00E-05	-7.51E+00	-2.03E-04
280	371562	755382	Offsite Worker	-1.76E+00	-3.75E-03	-2.08E-01	-8.33E-02	-3.64E+00	-2.80E-03	-4.30E+00	-7.81E-02	-2.35E-01	-8.38E-06	-2.84E-01	-2.18E-05	-5.12E-02	-8.82E-06	-1.64E-01	-7.80E-06	-5.71E+00	-1.54E-04
281	371465	755385	Offsite Worker	-3.45E-01	-7.35E-04	4.72E-01	1.89E-01	-2.52E+00	-1.94E-03	-3.43E-01	-6.24E-03	2.83E-01	1.01E-05	-2.37E-01	-1.83E-05	1.50E-01	2.58E-05	-5.28E-02	-2.52E-06	-4.54E+00	-1.23E-04
282	371368	755388	Offsite Worker	1.32E+00	2.82E-03	1.28E+00	5.11E-01	-1.58E+00	-1.22E-03	4.29E+00	7.80E-02	8.85E-01	3.16E-05	-1.84E-01	-1.41E-05	3.87E-01	6.67E-05	6.36E-02	3.03E-06	-3.72E+00	-1.01E-04
283	371272	755391	Offsite Worker	3.21E+00	6.84E-03	2.29E+00	9.16E-01	1.33E+00	1.02E-03	9.87E+00	1.80E-01	1.69E+00	6.04E-05	-1.58E-01	-1.22E-05	6.86E-01	1.18E-04	2.79E-01	1.33E-05	2.17E-02	5.88E-07
284	371175	755395	Offsite Worker	3.00E+00	6.37E-03	2.23E+00	8.94E-01	1.30E+00	1.00E-03	9.36E+00	1.70E-01	1.65E+00	5.90E-05	-1.83E-01	-1.41E-05	6.70E-01	1.15E-04	2.73E-01	1.30E-05	4.18E-02	1.13E-06
285	371079	755398	Offsite Worker	1.56E+00	3.32E-03	1.45E+00	5.80E-01	-8.16E-01	-6.28E-04	5.13E+00	9.32E-02	1.03E+00	3.68E-05	-1.97E-01	-1.51E-05	4.37E-01	7.53E-05	1.12E-01	5.33E-06	-2.58E+00	-6.98E-05
286	371042	755478	Offsite Worker	3.51E-01	7.46E-04	7.86E-01	3.15E-01	-1.09E+00	-8.37E-04	1.70E+00	3.09E-02	5.46E-01	1.95E-05	-2.07E-01	-1.59E-05	2.41E-01	4.15E-05	3.54E-02	1.68E-06	-2.49E+00	-6.73E-05
287	371009	755538	Offsite Worker	5.62E-01	1.20E-03	8.83E-01	3.53E-01	-2.35E-01	-1.81E-04	2.36E+00	4.29E-02	6.39E-01	2.28E-05	-1.98E-01	-1.53E-05	2.70E-01	4.65E-05	7.86E-02	3.74E-06	-1.26E+00	-3.40E-05
288	370975	755597	Offsite Worker	-9.03E-01	-1.92E-03	3.35E-02	1.34E-02	-3.24E-01	-2.49E-04	-1.83E+00	-3.33E-02	2.68E-02	9.57E-07	-1.95E-01	-1.50E-05	1.79E-02	3.09E-06	-9.14E-03	-4.35E-07	-7.30E-01	-1.97E-05
289	370925	755597	Offsite Worker	-1.20E+00	-2.54E-03	-8.26E-02	-3.30E-02	-1.11E+00	-8.55E-04	-2.66E+00	-4.84E-02	-7.81E-02	-2.79E-06	-2.13E-01	-1.64E-05	-1.65E-02	-2.85E-06	-5.16E-02	-2.46E-06	-1.84E+00	-4.97E-05
290	370860	755547	Offsite Worker	-7.38E-01	-1.57E-03	3.93E-01	1.57E-01	-2.98E+00	-2.29E-03	-1.26E+00	-2.29E-02	2.14E-01	7.65E-06	-2.89E-01	-2.22E-05	1.26E-01	2.17E-05	-7.77E-02	-3.70E-06	-5.10E+00	-1.38E-04
291	370796	755497	Offsite Worker	1.99E+00	4.23E-03	1.78E+00	7.11E-01	-1.68E+00	-1.30E-03	6.37E+00	1.16E-01	1.24E+00	4.43E-05	-2.26E-01	-1.74E-05	5.35E-01	9.22E-05	1.10E-01	5.23E-06	-4.21E+00	-1.14E-04
292	370733	755428	Offsite Worker	1.16E+00	2.47E-03	1.30E+00	5.18E-01	-3.52E-01	-2.71E-04	4.14E+00	7.52E-02	9.33E-01	3.33E-05	-2.23E-01	-1.71E-05	3.93E-01	6.78E-05	1.15E-01	5.46E-06	-1.81E+00	-4.89E-05
293	370634	755428	Offsite Worker	-1.13E+00	-2.41E-03	1.38E-01	5.52E-02	-3.31E+00	-2.54E-03	-2.47E+00	-4.49E-02	2.23E-02	7.96E-07	-2.79E-01	-2.15E-05	5.07E-02	8.75E-06	-1.16E-01	-5.54E-06	-5.44E+00	-1.47E-04
294	370536	755428	Offsite Worker	2.14E+00	4.55E-03	1.71E+00	6.82E-01	1.17E+00	8.97E-04	6.86E+00	1.25E-01	1.27E+00	4.53E-05	-1.70E-01	-1.31E-05	5.13E-01	8.85E-05	2.15E-01	1.02E-05	2.31E-01	6.26E-06
295	370437	755428	Offsite Worker	1.99E+00	4.23E-03	1.70E+00	6.80E-01	-1.68E+00	-1.30E-03	6.27E+00	1.14E-01	1.19E+00	4.23E-05	-1.99E-01	-1.53E-05	5.11E-01	8.82E-05	1.02E-01	4.87E-06	-4.14E+00	-1.12E-04
296	370338	755427	Offsite Worker	3.04E+00	6.47E-03	2.35E+00	9.40E-01	-1.08E+00	-8.31E-04	9.38E+00	1.71E-01	1.67E+00	5.96E-05	-2.15E-01	-1.65E-05	7.04E-01	1.21E-04	1.90E-01	9.07E-06	-3.73E+00	-1.01E-04
307	369249	755442	Offsite Worker	3.81E+00	8.10E-03	2.84E+00	1.14E+00	1.05E+00	8.05E-04	1.19E+01	2.16E-01	2.09E+00	7.45E-05	-2.34E-01	-1.80E-05	8.52E-01	1.47E-04	3.24E-01	1.54E-05	-8.79E-01	-2.38E-05
308	369151	755442	Offsite Worker	3.28E+00	6.98E-03	2.62E+00	1.05E+00	1.09E+00	8.40E-04	1.05E+01	1.91E-01	1.92E+00	6.87E-05	-2.60E-01	-2.00E-05	7.86E-01	1.36E-04	3.03E-01	1.44E-05	-6.71E-01	-1.81E-05
309	369052	755442	Offsite Worker	2.57E+00	5.46E-03	2.24E+00	8.95E-01	4.14E-01	3.19E-04	8.43E+00	1.53E-01	1.63E+00	5.84E-05	-2.71E-01	-2.08E-05	6.74E-01	1.16E-04	2.38E-01	1.14E-05	-1.43E+00	-3.88E-05
320	368035	755402	Offsite Worker	3.47E+00	7.37E-03	2.46E+00	9.85E-01	1.20E+00	9.24E-04	1.08E+01	1.96E-01	1.81E+00	6.47E-05	-1.68E-01	-1.29E-05	7.37E-01	1.27E-04	2.92E-01	1.39E-05	-3.08E-01	-8.34E-06
321	367960	755389	Offsite Worker	3.26E+00	6.94E-03	2.34E+00	9.37E-01	1.16E+00	8.91E-04	1.02E+01	1.86E-01	1.72E+00	6.16E-05	-1.67E-01	-1.29E-05	7.02E-01	1.21E-04	2.78E-01	1.32E-05	-2.87E-01	-7.74E-06
322	367863	755390	Offsite Worker	2.88E+00	6.14E-03	2.17E+00	8.68E-01	1.19E+00	9.15E-04	9.25E+00	1.68E-01	1.60E+00	5.72E-05	-1.82E-01	-1.40E-05	6.51E-01	1.12E-04	2.62E-01	1.25E-05	-1.11E-01	-3.00E-06
323	367766	755392	Offsite Worker	2.53E+00	5.38E-03	1.96E+00	7.83E-01	1.26E+00	9.73E-04	8.27E+00	1.50E-01	1.45E+00	5.19E-05	-1.79E-01	-1.38E-05	5.88E-01	1.01E-04	2.44E-01	1.16E-05	1.71E-01	4.63E-06
324	367669	755393	Offsite Worker	1.93E+00	4.11E-03	1.65E+00	6.62E-01	6.77E-01	5.21E-04	6.60E+00	1.20E-01	1.22E+00	4.35E-05	-1.94E-01	-1.49E-05	4.99E-01	8.60E-05	1.91E-01	9.09E-06	-5.03E-01	-1.36E-05
325	367572	755394	Offsite Worker	1.45E+00	3.08E-03	1.38E+00	5.53E-01	9.31E-02	7.17E-05	5.22E+00	9.49E-02	1.01E+00	3.60E-05	-1.95E-01	-1.50E-05	4.18E-01	7.21E-05	1.41E-01	6.71E-06	-1.18E+00	-3.19E-05
326	367475	755395	Offsite Worker	1.29E+00	2.74E-03	1.25E+00	5.00E-01	-2.90E-01	-2.23E-04	4.71E+00	8.56E-02	9.00E-01	3.21E-05	-1.81E-01	-1.39E-05	3.78E-01	6.52E-05	1.12E-01	5.36E-06	-1.65E+00	-4.45E-05
327	370400	756850	On-Site Occupational	-1.95E+00	-4.15E-03	1.79E+00	7.15E-01	-5.78E+00	-4.45E-03	-1.89E+00	-3.43E-02	1.18E+00	4.20E-05	-1.03E+00	-7.90E-05	5.64E-01	9.72E-05	-4.78E-02	-2.28E-06	-1.10E+01	-2.99E-04
1	367379	755396	Recreational	1.40E+00	2.98E-03	1.33E+00	5.33E-01	-3.04E-01	-2.34E-04	5.08E+00	9.23E-02	9.59E-01	3.42E-05	-1.87E-01	-1.44E-05	4.02E-01	6.94E-05	1.20E-01	5.72E-06	-1.74E+00	-4.69E-05
2	367340	755485	Recreational	1.37E+00	2.92E-03	1.36E+00	5.45E-01	1.38E-01	1.06E-04	5.21E+00	9.48E-02	9.95E-01	3.55E-05	-2.04E-01	-1.57E-05	4.13E-01	7.11E-05	1.41E-01	6.71E-06	-1.09E+00	-2.95E-05
3	367301	755573	Recreational	1.33E+00	2.82E-03	1.28E+00	5.14E-01	-4.67E-01	-3.59E-04	5.08E+00	9.24E-02	9.20E-01	3.29E-05	-1.85E-01	-1.42E-05	3.88E-01	6.69E-05	1.09E-01	5.19E-06	-1.94E+00	-5.26E-05
4	367263	755661	Recreational	2.09E+00	4.45E-03	1.67E+00	6.67E-01	-4.71E-01	-3.62E-04	7.33E+00	1.33E-01	1.19E+00	4.26E-05	-1.66E-01	-1.28E-05	5.01E-01	8.64E-05	1.47E-01	6.98E-06	-2.25E+00	-6.07E-05
5	367224	755749	Recreational	2.43E+00	5.17E-03	1.90E+00	7.58E-01	1.90E-01	1.46E-04	8.55E+00	1.56E-01	1.38E+00	4.92E-05	-1.78E-01	-1.37E-05	5.69E-01	9.82E-05	1.95E-01	9.30E-06	-1.43E+00	-3.87E-05
6	367186	755838	Recreational	2.85E+00	6.07E-03	2.11E+00	8.45E-01	1.26E+00	9.71E-04	9.94E+00	1.81E-01	1.56E+00	5.58E-05	-1.68E-01	-1.30E-05	6.34E-01	1.09E-04	2.59E-01	1.23E-05	3.39E-02	9.16E-07
7	367147	755926	Recreational	3.31E+00	7.03E-03	2.33E+00	9.31E-01	1.69E+00	1.30E-03	1.13E+01	2.05E-01	1.73E+00	6.17E-05	-1.53E-01	-1.18E-05	6.97E-01	1.20E-04	2.98E-01	1.42E-05	5.67E-01	1.53E-05
8	367109	756014	Recreational	3.14E+00	6.68E-03	2.21E+00	8.84E-01	1.51E+00	1.16E-03	1.07E+01	1.94E-01	1.64E+00	5.85E-05	-1.45E-01	-1.12E-05	6.62E-01	1.14E-04	2.79E-01	1.33E-05	3.87E-01	1.05E-05
9	367070	756103	Recreational	4.05E+00	8.62E-03	2.61E+00	1.04E+00	2.33E+00	1.79E-03	1.31E+01	2.38E-01	1.95E+00	6.96E-05	-1.02E-01	-7.87E-06	7.80E-01	1.34E-04	3.51E-01	1.67E-05	1.34E+00	3.63E-05
10	367032	756191	Recreational	3.85E+00	8.18E-03	2.51E+00	1.00E+00	2.60E+00	2.00E-03	1.24E+01	2.25E-01	1.88E+00	6.73E-05	-1.08E-01	-8.30E-06	7.50E-01	1.29E-04	3.51E-01	1.67E-05	1.82E+00	4.91E-05
11	366993	756279	Recreational	3.25E+00	6.90E-03	2.22E+00	8.86E-01	2.28E+00	1.75E-03	1.05E+01	1.92E-01	1.66E+00	5.94E-05	-1.26E-01	-9.66E-06	6.64E-01	1.14E-04	3.09E-01	1.47E-05	1.52E+00	4.11E-05
12	366954	756367	Recreational	3.12E+00	6.64E-03	2.16E+00	8.64E-01	2.09E+00	1.61E-03	1.01E+01	1.83E-01	1.62E+00	5.78E-05	-1.31E-01	-1.01E-05	6.48E-01	1.12E-04	2.96E-01	1.41E-05	1.27E+00	3.42E-05
13	366916	756456	Recreational	2.50E+00	5.31E-03	1.78E+00	7.13E-01	1.72E+00	1.32E-03	8.13E+00	1.48E-01	1.34E+00	4.78E-05	-1.24E-01	-9.56E-06	5.36E-01	9.23E-05	2.44E-01	1.16E-05	1.00E+00	2.70E-05
14	366877	756544	Recreational	2.83E+00	6.03E-03	1.99E+00	7.97E-01	1.11E+00	8.52E-04	8.99E+00	1.63E-01	1.47E+00	5.26E-05	-1.31E-01	-1.01E-05	5.98E-01	1.03E-04	2.41E-01	1.15E-05	-1.03E-01	-2.79E-06
15	366839	756632	Recreational	2.40E+00	5.12E-03	1.78E+00	7.12E-01	4.95E-01	3.81E-04	7.72E+00	1.40E-01	1.30E+00	4.65E-05	-1.43E-01	-1.10E-05	5.35E-01	9.22E-05	1.96E-01	9.33E-06	-8.62E-01	-2.33E-05
16	366800	756720	Recreational	2.15E+00	4.56E-03	1.63E+00	6.54E-01	4.59E-01	3.53E-04	6.94E+00	1.26E-01	1.20E+00	4.27E-05	-1.44E-01	-1.10E-05	4.92E-01	8.48E-05	1.80E-01	8.56E-06	-8.26E-01	-2.23E-05
17	366762	756809	Recreational	2.35E+00	4.99E-03	1.69E+00	6.74E-01	1.00E+00	7.71E-04	7.45E+00	1.36E-01	1.25E+00	4.45E-05	-1.21E-01	-9.27E-06	5.06E-01	8.73E-05	2.06E-01	9.82E-06	-1.97E-02	-5.34E-07
18	366723	756897	Recreational	2.24E+00	4.76E-03	1.64E+00	6.54E-01	1.30E+00	9.98E-04	7.17E+00	1.30E-01	1.22E+00	4.35E-05	-1.25E-01	-9.62E-06	4.91E-01	8.47E-05	2.13E-01	1.01E-05	5.05E-01	1.37E-05

Table 3-1B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 1, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acetaldehyde Acute Hazard	acrolein (µg/m^3)	acrolein Acute Hazard	benzene (µg/m^3)	benzene Acute Hazard	formaldehyde (µg/m^3)	formaldehyde Acute Hazard	methyl alcohol (µg/m^3)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m^3)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m^3)	phenol (carbolic acid) Acute Hazard	styrene (µg/m^3)	styrene Acute Hazard	toluene (µg/m^3)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
19	366685	756985	Recreational	1.91E+00	4.07E-03	1.47E+00	5.89E-01	8.51E-01	6.55E-04	6.20E+00	1.13E-01	1.09E+00	3.89E-05	-1.33E-01	-1.02E-05	4.43E-01	7.64E-05	1.79E-01	8.53E-06	-7.83E-02	-2.12E-06
20	366646	757074	Recreational	1.57E+00	3.33E-03	1.29E+00	5.15E-01	3.33E-01	2.56E-04	5.15E+00	9.36E-02	9.45E-01	3.37E-05	-1.38E-01	-1.07E-05	3.89E-01	6.71E-05	1.40E-01	6.69E-06	-7.56E-01	-2.04E-05
21	366607	757162	Recreational	1.53E+00	3.26E-03	1.22E+00	4.90E-01	1.79E-01	1.38E-04	4.95E+00	9.00E-02	8.93E-01	3.19E-05	-1.23E-01	-9.47E-06	3.69E-01	6.37E-05	1.28E-01	6.10E-06	-9.09E-01	-2.46E-05
22	366569	757250	Recreational	1.68E+00	3.57E-03	1.23E+00	4.93E-01	7.67E-02	5.90E-05	5.24E+00	9.54E-02	8.94E-01	3.19E-05	-9.57E-02	-7.36E-06	3.70E-01	6.38E-05	1.25E-01	5.94E-06	-1.02E+00	-2.77E-05
23	366530	757338	Recreational	1.48E+00	3.14E-03	1.15E+00	4.60E-01	-9.74E-02	-7.49E-05	4.68E+00	8.50E-02	8.30E-01	2.96E-05	-1.07E-01	-8.26E-06	3.46E-01	5.97E-05	1.10E-01	5.23E-06	-1.24E+00	-3.35E-05
24	366492	757427	Recreational	1.38E+00	2.95E-03	1.12E+00	4.47E-01	1.17E-01	9.00E-05	4.44E+00	8.08E-02	8.14E-01	2.91E-05	-1.15E-01	-8.82E-06	3.37E-01	5.81E-05	1.15E-01	5.48E-06	-8.99E-01	-2.43E-05
25	366453	757515	Recreational	1.38E+00	2.94E-03	1.11E+00	4.44E-01	3.59E-01	2.76E-04	4.44E+00	8.08E-02	8.16E-01	2.91E-05	-1.13E-01	-8.67E-06	3.35E-01	5.78E-05	1.24E-01	5.90E-06	-5.15E-01	-1.39E-05
26	366415	757603	Recreational	1.36E+00	2.89E-03	1.10E+00	4.39E-01	4.08E-01	3.14E-04	4.37E+00	7.94E-02	8.07E-01	2.88E-05	-1.13E-01	-8.69E-06	3.31E-01	5.71E-05	1.25E-01	5.93E-06	-4.32E-01	-1.17E-05
27	366376	757692	Recreational	1.42E+00	3.02E-03	1.15E+00	4.58E-01	4.41E-01	3.39E-04	4.56E+00	8.28E-02	8.43E-01	3.01E-05	-1.18E-01	-9.06E-06	3.46E-01	5.96E-05	1.31E-01	6.23E-06	-4.15E-01	-1.12E-05
84	369336	758100	Recreational	4.23E+00	9.01E-03	2.86E+00	1.15E+00	2.06E+00	1.59E-03	1.30E+01	2.36E-01	2.12E+00	7.58E-05	-1.54E-01	-1.19E-05	8.56E-01	1.48E-04	3.65E-01	1.74E-05	7.07E-01	1.91E-05
85	369269	758170	Recreational	5.31E+00	1.13E-02	3.44E+00	1.37E+00	2.78E+00	2.14E-03	1.60E+01	2.91E-01	2.55E+00	9.12E-05	-1.38E-01	-1.07E-05	1.03E+00	1.77E-04	4.50E-01	2.14E-05	1.37E+00	3.69E-05
86	369202	758239	Recreational	5.27E+00	1.12E-02	3.42E+00	1.37E+00	2.69E+00	2.07E-03	1.59E+01	2.89E-01	2.54E+00	9.06E-05	-1.40E-01	-1.07E-05	1.02E+00	1.76E-04	4.45E-01	2.12E-05	1.23E+00	3.33E-05
87	369264	758285	Recreational	4.36E+00	9.28E-03	2.91E+00	1.16E+00	2.31E+00	1.78E-03	1.33E+01	2.41E-01	2.16E+00	7.72E-05	-1.44E-01	-1.11E-05	8.68E-01	1.50E-04	3.79E-01	1.81E-05	1.07E+00	2.90E-05
88	369326	758330	Recreational	3.92E+00	8.34E-03	2.61E+00	1.04E+00	1.83E+00	1.40E-03	1.19E+01	2.16E-01	1.93E+00	6.91E-05	-1.29E-01	-9.90E-06	7.80E-01	1.34E-04	3.31E-01	1.58E-05	5.90E-01	1.59E-05
89	369389	758376	Recreational	3.27E+00	6.96E-03	2.22E+00	8.88E-01	1.26E+00	9.69E-04	9.97E+00	1.81E-01	1.64E+00	5.85E-05	-1.22E-01	-9.42E-06	6.64E-01	1.14E-04	2.70E-01	1.28E-05	2.97E-02	8.03E-07
90	369389	758462	Recreational	2.74E+00	5.82E-03	1.93E+00	7.74E-01	9.57E-01	7.36E-04	8.44E+00	1.53E-01	1.42E+00	5.08E-05	-1.29E-01	-9.93E-06	5.79E-01	9.98E-05	2.30E-01	1.09E-05	-2.17E-01	-5.86E-06
91	369389	758548	Recreational	2.26E+00	4.81E-03	1.68E+00	6.73E-01	6.88E-01	5.30E-04	7.07E+00	1.29E-01	1.23E+00	4.41E-05	-1.36E-01	-1.05E-05	5.04E-01	8.69E-05	1.94E-01	9.23E-06	-4.37E-01	-1.18E-05
28	366338	757780	Residential	1.53E+00	3.26E-03	1.20E+00	4.80E-01	6.19E-01	4.76E-04	4.87E+00	8.85E-02	8.87E-01	3.17E-05	-1.14E-01	-8.79E-06	3.62E-01	6.24E-05	1.43E-01	6.81E-06	-1.97E-01	-5.33E-06
29	366402	757746	Residential	1.50E+00	3.20E-03	1.19E+00	4.78E-01	5.84E-01	4.49E-04	4.80E+00	8.73E-02	8.82E-01	3.15E-05	-1.17E-01	-9.03E-06	3.60E-01	6.21E-05	1.41E-01	6.72E-06	-2.47E-01	-6.67E-06
30	366467	757713	Residential	1.48E+00	3.14E-03	1.19E+00	4.75E-01	5.49E-01	4.22E-04	4.74E+00	8.61E-02	8.76E-01	3.13E-05	-1.20E-01	-9.27E-06	3.58E-01	6.17E-05	1.39E-01	6.62E-06	-2.94E-01	-7.95E-06
31	366531	757679	Residential	1.44E+00	3.07E-03	1.18E+00	4.70E-01	5.07E-01	3.90E-04	4.66E+00	8.47E-02	8.67E-01	3.10E-05	-1.23E-01	-9.48E-06	3.55E-01	6.12E-05	1.36E-01	6.49E-06	-3.48E-01	-9.42E-06
32	366567	757773	Residential	1.63E+00	3.48E-03	1.28E+00	5.12E-01	7.93E-01	6.10E-04	5.21E+00	9.47E-02	9.50E-01	3.39E-05	-1.22E-01	-9.35E-06	3.86E-01	6.66E-05	1.58E-01	7.52E-06	-7.61E-03	-2.06E-07
33	366625	757758	Residential	1.65E+00	3.50E-03	1.29E+00	5.17E-01	8.05E-01	6.19E-04	5.25E+00	9.55E-02	9.60E-01	3.43E-05	-1.24E-01	-9.54E-06	3.90E-01	6.73E-05	1.60E-01	7.60E-06	-2.86E-03	-7.72E-08
34	366682	757744	Residential	1.66E+00	3.53E-03	1.31E+00	5.24E-01	8.18E-01	6.29E-04	5.31E+00	9.65E-02	9.72E-01	3.47E-05	-1.27E-01	-9.74E-06	3.95E-01	6.81E-05	1.62E-01	7.70E-06	1.75E-03	4.73E-08
35	366768	757788	Residential	1.87E+00	3.99E-03	1.47E+00	5.88E-01	7.34E-01	5.64E-04	5.96E+00	1.08E-01	1.09E+00	3.88E-05	-1.40E-01	-1.08E-05	4.43E-01	7.64E-05	1.75E-01	8.31E-06	-2.47E-01	-6.67E-06
36	366854	757833	Residential	2.19E+00	4.65E-03	1.67E+00	6.67E-01	4.65E-01	3.57E-04	6.85E+00	1.24E-01	1.22E+00	4.36E-05	-1.47E-01	-1.13E-05	5.02E-01	8.65E-05	1.83E-01	8.73E-06	-8.28E-01	-2.24E-05
37	366941	757877	Residential	2.32E+00	4.95E-03	1.73E+00	6.94E-01	3.81E-01	2.93E-04	7.21E+00	1.31E-01	1.27E+00	4.52E-05	-1.42E-01	-1.09E-05	5.21E-01	8.98E-05	1.87E-01	8.88E-06	-1.01E+00	-2.74E-05
38	367027	757922	Residential	2.54E+00	5.41E-03	1.84E+00	7.35E-01	5.92E-01	4.56E-04	7.82E+00	1.42E-01	1.35E+00	4.80E-05	-1.35E-01	-1.04E-05	5.52E-01	9.51E-05	2.05E-01	9.77E-06	-7.60E-01	-2.06E-05
39	367113	757966	Residential	2.70E+00	5.75E-03	1.89E+00	7.55E-01	1.16E+00	8.91E-04	8.27E+00	1.50E-01	1.40E+00	4.98E-05	-1.20E-01	-9.23E-06	5.66E-01	9.75E-05	2.32E-01	1.11E-05	8.97E-02	2.42E-06
40	367192	757916	Residential	2.71E+00	5.77E-03	1.92E+00	7.69E-01	1.05E+00	8.07E-04	8.32E+00	1.51E-01	1.42E+00	5.06E-05	-1.30E-01	-1.00E-05	5.76E-01	9.94E-05	2.32E-01	1.10E-05	-1.25E-01	-3.37E-06
41	367264	757916	Residential	2.86E+00	6.08E-03	2.00E+00	8.00E-01	1.20E+00	9.24E-04	8.75E+00	1.59E-01	1.48E+00	5.28E-05	-1.28E-01	-9.88E-06	6.00E-01	1.03E-04	2.45E-01	1.17E-05	5.51E-02	1.49E-06
42	367335	757916	Residential	3.00E+00	6.38E-03	2.09E+00	8.34E-01	1.37E+00	1.06E-03	9.18E+00	1.67E-01	1.54E+00	5.52E-05	-1.30E-01	-9.99E-06	6.25E-01	1.08E-04	2.61E-01	1.24E-05	2.58E-01	6.97E-06
43	367343	757966	Residential	3.22E+00	6.86E-03	2.21E+00	8.83E-01	1.78E+00	1.37E-03	9.85E+00	1.79E-01	1.64E+00	5.87E-05	-1.27E-01	-9.79E-06	6.61E-01	1.14E-04	2.89E-01	1.38E-05	8.11E-01	2.19E-05
44	367404	757995	Residential	3.34E+00	7.11E-03	2.30E+00	9.19E-01	1.96E+00	1.51E-03	1.02E+01	1.86E-01	1.71E+00	6.12E-05	-1.34E-01	-1.03E-05	6.87E-01	1.19E-04	3.05E-01	1.45E-05	1.02E+00	2.75E-05
45	367465	758024	Residential	3.42E+00	7.27E-03	2.38E+00	9.52E-01	1.84E+00	1.41E-03	1.05E+01	1.91E-01	1.77E+00	6.32E-05	-1.49E-01	-1.14E-05	7.13E-01	1.23E-04	3.08E-01	1.47E-05	7.33E-01	1.98E-05
55	367673	758189	Residential	3.21E+00	6.83E-03	2.28E+00	9.10E-01	1.05E+00	8.11E-04	9.82E+00	1.79E-01	1.67E+00	5.98E-05	-1.54E-01	-1.19E-05	6.82E-01	1.18E-04	2.67E-01	1.27E-05	-3.98E-01	-1.08E-05
59	367816	758096	Residential	3.44E+00	7.33E-03	2.43E+00	9.72E-01	1.20E+00	9.24E-04	1.05E+01	1.92E-01	1.79E+00	6.39E-05	-1.61E-01	-1.24E-05	7.28E-01	1.26E-04	2.88E-01	1.37E-05	-3.09E-01	-8.36E-06
60	367898	758066	Residential	3.50E+00	7.45E-03	2.49E+00	9.97E-01	1.32E+00	1.01E-03	1.08E+01	1.96E-01	1.84E+00	6.57E-05	-1.72E-01	-1.32E-05	7.47E-01	1.29E-04	2.99E-01	1.42E-05	-1.86E-01	-5.02E-06
61	367980	758035	Residential	3.61E+00	7.68E-03	2.59E+00	1.04E+00	1.41E+00	1.08E-03	1.11E+01	2.03E-01	1.91E+00	6.82E-05	-1.84E-01	-1.41E-05	7.76E-01	1.34E-04	3.12E-01	1.49E-05	-1.29E-01	-3.48E-06
62	368062	758005	Residential	3.77E+00	8.03E-03	2.72E+00	1.09E+00	1.46E+00	1.12E-03	1.17E+01	2.12E-01	2.01E+00	7.16E-05	-1.97E-01	-1.51E-05	8.15E-01	1.41E-04	3.27E-01	1.56E-05	-1.61E-01	-4.36E-06
63	368144	757975	Residential	4.08E+00	8.69E-03	2.94E+00	1.18E+00	1.38E+00	1.06E-03	1.26E+01	2.30E-01	2.16E+00	7.72E-05	-2.12E-01	-1.63E-05	8.81E-01	1.52E-04	3.46E-01	1.65E-05	-4.64E-01	-1.25E-05
64	368226	757945	Residential	4.39E+00	9.35E-03	3.17E+00	1.27E+00	1.29E+00	9.94E-04	1.36E+01	2.47E-01	2.33E+00	8.31E-05	-2.31E-01	-1.78E-05	9.50E-01	1.64E-04	3.66E-01	1.74E-05	-7.85E-01	-2.12E-05
65	368301	757943	Residential	5.65E+00	1.20E-02	3.93E+00	1.57E+00	1.89E+00	1.45E-03	1.73E+01	3.14E-01	2.89E+00	1.03E-04	-2.43E-01	-1.87E-05	1.17E+00	2.02E-04	4.64E-01	2.21E-05	-4.79E-01	-1.29E-05
66	368376	757941	Residential	8.49E+00	1.81E-02	5.56E+00	2.22E+00	3.16E+00	2.43E-03	2.55E+01	4.63E-01	4.09E+00	1.46E-04	-2.44E-01	-1.88E-05	1.66E+00	2.86E-04	6.76E-01	3.22E-05	1.83E-01	4.93E-06
67	368452	757940	Residential	1.03E+01	2.19E-02	6.51E+00	2.60E+00	4.21E+00	3.24E-03	3.06E+01	5.56E-01	4.81E+00	1.72E-04	-2.21E-01	-1.70E-05	1.94E+00	3.34E-04	8.12E-01	3.87E-05	1.06E+00	2.86E-05
68	368527	757938	Residential	1.06E+01	2.25E-02	6.77E+00	2.71E+00	3.94E+00	3.03E-03	3.15E+01	5.73E-01	4.99E+00	1.78E-04	-2.50E-01	-1.92E-05	2.02E+00	3.48E-04	8.27E-01	3.94E-05	3.94E-01	1.06E-05
69	368563	757880	Residential	1.19E+01	2.53E-02	7.52E+00	3.01E+00	4.63E+00	3.56E-03	3.53E+01	6.43E-01	5.54E+00	1.98E-04	-2.50E-01	-1.93E-05	2.24E+00	3.86E-04	9.28E-01	4.42E-05	8.70E-01	2.35E-05
70	368636	757926	Residential	1.06E+01	2.26E-02	6.81E+00	2.72E+00	3.49E+00	2.69E-03	3.16E+01	5.75E-01	5.00E+00	1.79E-04	-2.54E-01	-1.95E-05	2.03E+00	3.50E-04	8.12E-01	3.87E-05	-3.20E-01	-8.64E-06
71	368709	757971	Residential	6.55E+00	1.39E-02	4.49E+00	1.80E+00	-7.35E-01	-5.66E-04	1.97E+01	3.57E-01	3.22E+00	1.15E-04	-2.61E-01	-2.01E-05	1.34E+00	2.31E-04	4.16E-01	1.98E-05	-4.98E+00	-1.35E-04
72	368782	758017	Residential	4.08E+00	8.68E-03	3.07E+00	1.23E+00	-1.85E+00	-1.42E-03	1.25E+01	2.28E-01	2.17E+00	7.75E-05	-2.61E-01	-2.00E-05	9.21E-01	1.59E-04	2.32E-01	1.10E-05	-5.56E+00	-1.50E-04
73	368855	758062	Residential	4.19E+00	8.92E-03	3.05E+00	1.22E+00	1.81E-01	1.39E-04	1.29E+01	2.35E-01	2.21E+00	7.89E-05	-2.30E-01	-1.77E-05	9.14E-01	1.58E-04	3.10E-01	1.48E-05	-2.38E+00	-6.42E-05
74	368928	758108	Residential	3.23E+00	6.87E-03	2.39E+00	9.57E-01	5.08E-01	3.91E-04	1.01E+01	1.83E-01	1.74E+00	6.23E-05	-1.92E-01	-1.47E-05	7.17E-01	1.24E-04	2.57E-01	1.23E-05	-1.33E+00	-3.59E-05
75	369001	758153	Residential	4.04E+00	8.59E-03	2.80E+00	1.12E+00	1.35E+00	1.04E-03	1.24E+01	2.25E-01	2.06E+00	7.35E-05	-1.71E-01	-1.32E-05	8.37E-01	1.44E-04	3.31E-01	1.57E-05	-3.49E-01	-9.44E-06
76	369058	758074	Residential	4.39E+00	9.34E-03	3.05E+00	1.22E+00	1.36E+00	1.05E-03	1.35E+01	2.45E-01	2.24E+00	7.99E-05	-1.88E-01	-1.45E-05	9.12E-01	1.57E-04	3.56E-01	1.69E-05	-5.42E-01	-1.47E-05
77	369102	758103	Residential	4.94E+00	1.05E-02	3.38E+00	1.35E+00	8.60E-01	6.62E-04	1.50E+01	2.72E-01	2.46E+00	8.78E-05	-1.93E-01	-1.48E-05	1.01E+00	1.74E-04	3.69E-01	1.76E-05	-1.57E+00	-4.24E-05
78	369145	758132	Residential	5.55E+00	1.18E-02	3.69E+00	1.48E+00	1.27E+00	9.78E-04	1.67E+01	3.04E-01	2.70E+00	9.63E-05	-1.79E-01	-1.38E-05	1.10E+00	1.90E-04	4.16E-01	1.98E-05	-1.19E+00	-3.20E-05
79	369200	758065	Residential	5.95E+00	1.27E-02	3.93E+00	1.57E+00	1.95E+00	1.50E-03	1.79E+01	3.26E-01	2.88E+00	1.03E-04	-1.82E-01	-1.40E-05	1.17E+00	2.02E-04	4.66E-01	2.22E-05	-3.46E-01	-9.34E-06
80	369255	757998	Residential	5.92E+00	1.26E-02	3.94E+00	1.58E+00	2.59E+00	1.99E-03	1.80E+01	3.27E-01	2.91E+00	1.04E-04	-1.93E-01	-1.48E-05	1.18E+00	2.03E-04	4.93E-01	2.35E-05	6.22E-01	1.68E-05
81	369310	757931	Residential	6.01E+00	1.28E-02	4.01E+00	1.60E+00	2.46E+00	1.89E-03	1.83E+01	3.33E-01	2.96E+00	1.06E-04	-2.00E-01	-1.54E-05	1.20E+00	2.07E-04	4.95E-01	2.36E-05	3.65E-01	9.86E-06
82	369356	757981	Residential	5.05E+00	1.07E-02	3.31E+00	1.33E+00	2.25E+00	1.73E-03	1.53E+01	2.78E-01	2.45E+00	8.76E-05	-1.49E-01	-1.15E-05	9.90E-01	1.71E-04	4.17E-01	1.99E-05	6.34E-01	1.71E-05
83	369403	758031	Residential	4.62E+00	9.84E-03	3.01E+00	1.20E+00	2.43E+00	1.87E-03	1.40E+01	2.55E-01	2.23E+00	7.98E-05	-1.25E-01	-9.65E-06	8.97E-01	1.55E-04	3.94E-01	1.88E-05	1.18E+00	3.20E-05
92	369389	758634	Residential	1.94E+00	4.13E-03	1.50E+00	6.02E-01	3.52E-01	2.71E-04	6.13E+00	1.11E-01	1.10E+00	3.92E-05	-1.39E-01	-1.07E-05	4.52E-01	7.79E-05	1.63E-01	7.77E-06	-8.15E-01	-2.20E-05
93	369469	758630	Residential	6.49E-01	1.38E-03	8.77E-01	3.51E-01	-1.33E+00	-1.02E-03	2.44E+00	4.44E-02	6.03E-01	2.15E-05	-1.79E-01	-1.38E-05	2.67E-01	4.60E-05	3.45E-02	1.64E-06	-2.93E+00	-7.93E-05
94	369549	758625	Residential	2.98E-01	6.34E-04	6.96E-01	2.78E-01	-2.13E+00	-1.64E-03	1.39E+00	2.53E-02	4.51E-01	1.61E-05	-1.86E-01	-1.43E-05	2.13E-01	3.68E-05	-1.51E-02	-7.20E-07	-4.04E+00	-1.09E-04
95	369630	758621	Residential	4.83E-01	1.03E-03	8.13E-01	3.25E-01	-1.73E+00	-1.33E-03	1.97E+00	3.59E-02	5.47E-01	1.95E-05	-1.90E-01	-1.46E-05	2.49E-01	4.29E-05	1.25E-02	5.97E-07	-3.52E+00	-9.50E-05

Table 3-1B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 1, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acetaldehyde Acute Hazard	acrolein (µg/m^3)	acrolein Acute Hazard	benzene (µg/m^3)	benzene Acute Hazard	formaldehyde (µg/m^3)	formaldehyde Acute Hazard	methyl alcohol (µg/m^3)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m^3)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m^3)	phenol (carbolic acid) Acute Hazard	styrene (µg/m^3)	styrene Acute Hazard	toluene (µg/m^3)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
96	369710	758617	Residential	1.81E+00	3.86E-03	1.45E+00	5.78E-01	-1.03E-01	-7.89E-05	5.75E+00	1.05E-01	1.04E+00	3.73E-05	-1.44E-01	-1.11E-05	4.35E-01	7.50E-05	1.39E-01	6.63E-06	-1.48E+00	-4.01E-05
97	369791	758613	Residential	2.69E+00	5.71E-03	1.85E+00	7.40E-01	6.36E-01	4.89E-04	8.18E+00	1.49E-01	1.35E+00	4.83E-05	-1.10E-01	-8.48E-06	5.53E-01	9.54E-05	2.09E-01	9.93E-06	-6.17E-01	-1.67E-05
98	369791	758514	Residential	3.02E+00	6.42E-03	2.04E+00	8.15E-01	8.29E-01	6.38E-04	9.15E+00	1.66E-01	1.49E+00	5.33E-05	-1.09E-01	-8.39E-06	6.09E-01	1.05E-04	2.35E-01	1.12E-05	-4.90E-01	-1.33E-05
99	369791	758416	Residential	3.40E+00	7.24E-03	2.25E+00	9.00E-01	1.09E+00	8.41E-04	1.03E+01	1.87E-01	1.65E+00	5.90E-05	-1.06E-01	-8.16E-06	6.72E-01	1.16E-04	2.66E-01	1.27E-05	-2.58E-01	-6.98E-06
100	369791	758318	Residential	4.07E+00	8.65E-03	2.60E+00	1.04E+00	1.09E+00	8.39E-04	1.21E+01	2.21E-01	1.91E+00	6.81E-05	-9.70E-02	-7.46E-06	7.77E-01	1.34E-04	3.01E-01	1.43E-05	-5.27E-01	-1.43E-05
101	369881	758318	Residential	2.25E+00	4.79E-03	1.69E+00	6.77E-01	-5.06E-02	-3.90E-05	7.04E+00	1.28E-01	1.22E+00	4.36E-05	-1.42E-01	-1.09E-05	5.08E-01	8.75E-05	1.66E-01	7.88E-06	-1.60E+00	-4.33E-05
102	369972	758318	Residential	9.39E-02	2.00E-04	6.10E-01	2.44E-01	-1.27E+00	-9.81E-04	9.95E-01	1.81E-02	4.14E-01	1.48E-05	-1.97E-01	-1.52E-05	1.89E-01	3.25E-05	1.04E-02	4.95E-07	-2.65E+00	-7.16E-05
103	370062	758318	Residential	3.00E-01	6.38E-04	7.63E-01	3.05E-01	-1.55E+00	-1.19E-03	1.61E+00	2.92E-02	5.17E-01	1.84E-05	-2.09E-01	-1.61E-05	2.34E-01	4.03E-05	1.49E-02	7.11E-07	-3.18E+00	-8.59E-05
104	370153	758318	Residential	4.76E-01	1.01E-03	8.58E-01	3.43E-01	-1.72E+00	-1.32E-03	2.08E+00	3.78E-02	5.80E-01	2.07E-05	-2.07E-01	-1.59E-05	2.62E-01	4.52E-05	1.76E-02	8.36E-07	-3.53E+00	-9.53E-05
105	370243	758318	Residential	4.86E-01	1.03E-03	9.00E-01	3.60E-01	-1.93E+00	-1.48E-03	2.14E+00	3.89E-02	6.04E-01	2.16E-05	-2.20E-01	-1.69E-05	2.74E-01	4.73E-05	1.35E-02	6.44E-07	-3.87E+00	-1.05E-04
111	370408	758347	Residential	-3.87E-01	-8.24E-04	4.86E-01	1.94E-01	-3.02E+00	-2.33E-03	-3.47E-01	-6.31E-03	2.79E-01	9.95E-06	-2.51E-01	-1.93E-05	1.53E-01	2.64E-05	-7.09E-02	-3.37E-06	-5.28E+00	-1.43E-04
112	370490	758344	Residential	-1.36E+00	-2.90E-03	2.93E-02	1.17E-02	-3.26E+00	-2.51E-03	-3.01E+00	-5.48E-02	-5.32E-02	-1.90E-06	-2.87E-01	-2.21E-05	1.96E-02	3.37E-06	-1.25E-01	-5.97E-06	-5.33E+00	-1.44E-04
113	370572	758341	Residential	-9.54E-01	-2.03E-03	3.06E-01	1.22E-01	-3.64E+00	-2.80E-03	-1.82E+00	-3.32E-02	1.35E-01	4.83E-06	-3.02E-01	-2.32E-05	1.02E-01	1.75E-05	-1.13E-01	-5.38E-06	-6.13E+00	-1.66E-04
114	370654	758338	Residential	-3.13E-02	-6.65E-05	9.26E-01	3.70E-01	-3.34E+00	-2.57E-03	9.52E-01	1.73E-02	5.90E-01	2.11E-05	-3.34E-01	-2.57E-05	2.86E-01	4.94E-05	-3.96E-02	-1.88E-06	-6.17E+00	-1.67E-04
115	370735	758335	Residential	9.38E-01	2.00E-03	1.29E+00	5.16E-01	-2.11E+00	-1.62E-03	3.56E+00	6.48E-02	8.83E-01	3.15E-05	-2.66E-01	-2.05E-05	3.93E-01	6.77E-05	4.47E-02	2.13E-06	-4.56E+00	-1.23E-04
116	370817	758333	Residential	1.29E+00	2.75E-03	1.39E+00	5.58E-01	-9.41E-01	-7.24E-04	4.57E+00	8.30E-02	9.88E-01	3.53E-05	-2.31E-01	-1.78E-05	4.22E-01	7.28E-05	1.01E-01	4.82E-06	-2.80E+00	-7.55E-05
130	371183	758027	Residential	4.22E+00	8.99E-03	2.97E+00	1.19E+00	1.71E+00	1.32E-03	1.30E+01	2.37E-01	2.19E+00	7.83E-05	-1.94E-01	-1.49E-05	8.90E-01	1.53E-04	3.62E-01	1.72E-05	5.29E-03	1.43E-07
131	371248	758024	Residential	4.37E+00	9.30E-03	3.08E+00	1.23E+00	1.43E+00	1.10E-03	1.35E+01	2.45E-01	2.27E+00	8.09E-05	-2.04E-01	-1.57E-05	9.23E-01	1.59E-04	3.62E-01	1.72E-05	-4.89E-01	-1.32E-05
132	371326	758075	Residential	4.10E+00	8.73E-03	2.88E+00	1.15E+00	1.35E+00	1.04E-03	1.26E+01	2.29E-01	2.12E+00	7.56E-05	-1.86E-01	-1.43E-05	8.62E-01	1.49E-04	3.39E-01	1.61E-05	-4.40E-01	-1.19E-05
133	371404	758127	Residential	3.62E+00	7.70E-03	2.56E+00	1.03E+00	1.44E+00	1.11E-03	1.12E+01	2.03E-01	1.89E+00	6.76E-05	-1.74E-01	-1.34E-05	7.69E-01	1.33E-04	3.11E-01	1.48E-05	-8.49E-02	-2.29E-06
134	371481	758178	Residential	3.34E+00	7.10E-03	2.40E+00	9.58E-01	1.41E+00	1.08E-03	1.04E+01	1.88E-01	1.77E+00	6.33E-05	-1.70E-01	-1.31E-05	7.19E-01	1.24E-04	2.93E-01	1.39E-05	-4.69E-03	-1.27E-07
135	371559	758230	Residential	3.11E+00	6.62E-03	2.25E+00	9.01E-01	1.41E+00	1.08E-03	9.68E+00	1.76E-01	1.67E+00	5.96E-05	-1.66E-01	-1.28E-05	6.76E-01	1.17E-04	2.78E-01	1.33E-05	1.06E-01	2.86E-06
136	371637	758281	Residential	2.93E+00	6.23E-03	2.10E+00	8.39E-01	1.41E+00	1.08E-03	9.09E+00	1.65E-01	1.56E+00	5.56E-05	-1.48E-01	-1.14E-05	6.30E-01	1.09E-04	2.63E-01	1.25E-05	2.31E-01	6.25E-06
137	371715	758333	Residential	2.70E+00	5.74E-03	1.95E+00	7.80E-01	1.41E+00	1.09E-03	8.41E+00	1.53E-01	1.45E+00	5.18E-05	-1.43E-01	-1.10E-05	5.87E-01	1.01E-04	2.49E-01	1.18E-05	3.59E-01	9.69E-06
138	371769	758261	Residential	2.06E+00	4.38E-03	1.60E+00	6.41E-01	1.54E+00	1.18E-03	6.64E+00	1.21E-01	1.20E+00	4.30E-05	-1.49E-01	-1.14E-05	4.83E-01	8.33E-05	2.19E-01	1.04E-05	8.31E-01	2.25E-05
139	371822	758189	Residential	1.18E+00	2.52E-03	1.43E+00	5.71E-01	4.53E-01	3.48E-04	4.50E+00	8.19E-02	1.05E+00	3.76E-05	-2.65E-01	-2.04E-05	4.34E-01	7.48E-05	1.60E-01	7.62E-06	-6.91E-01	-1.87E-05
140	371894	758160	Residential	8.19E-01	1.74E-03	1.51E+00	6.03E-01	-2.69E-01	-2.07E-04	3.80E+00	6.91E-02	1.09E+00	3.91E-05	-3.67E-01	-2.82E-05	4.59E-01	7.91E-05	1.40E-01	6.68E-06	-1.84E+00	-4.96E-05
141	371894	758081	Residential	6.03E-01	1.28E-03	1.60E+00	6.41E-01	-1.14E+00	-8.76E-04	3.40E+00	6.18E-02	1.14E+00	4.07E-05	-4.44E-01	-3.41E-05	4.89E-01	8.43E-05	1.16E-01	5.51E-06	-3.28E+00	-8.87E-05
142	371959	758074	Residential	9.20E-01	1.96E-03	1.71E+00	6.84E-01	-9.18E-01	-7.06E-04	4.21E+00	7.65E-02	1.22E+00	4.37E-05	-4.17E-01	-3.21E-05	5.20E-01	8.97E-05	1.35E-01	6.41E-06	-3.06E+00	-8.26E-05
155	372055	757363	Residential	1.14E+00	2.42E-03	1.71E+00	6.82E-01	-3.07E-01	-2.36E-04	4.89E+00	8.89E-02	1.24E+00	4.42E-05	-3.72E-01	-2.86E-05	5.19E-01	8.96E-05	1.58E-01	7.51E-06	-2.16E+00	-5.83E-05
297	370239	755427	Residential	5.31E+00	1.13E-02	3.52E+00	1.41E+00	2.93E+00	2.26E-03	1.61E+01	2.92E-01	2.62E+00	9.36E-05	-1.68E-01	-1.29E-05	1.05E+00	1.81E-04	4.65E-01	2.21E-05	1.50E+00	4.05E-05
298	370138	755427	Residential	6.31E+00	1.34E-02	3.92E+00	1.57E+00	4.45E+00	3.42E-03	1.88E+01	3.42E-01	2.95E+00	1.05E-04	-1.08E-01	-8.30E-06	1.17E+00	2.01E-04	5.64E-01	2.69E-05	3.57E+00	9.65E-05
299	370040	755427	Residential	1.70E-01	3.62E-04	7.83E-01	3.13E-01	-2.50E+00	-1.92E-03	1.19E+00	2.17E-02	5.06E-01	1.81E-05	-2.43E-01	-1.87E-05	2.41E-01	4.15E-05	-2.08E-02	-9.91E-07	-4.70E+00	-1.27E-04
300	369941	755426	Residential	1.66E+00	3.53E-03	1.52E+00	6.10E-01	-1.19E+00	-9.16E-04	5.41E+00	9.85E-02	1.07E+00	3.83E-05	-2.03E-01	-1.56E-05	4.60E-01	7.93E-05	1.04E-01	4.97E-06	-3.25E+00	-8.79E-05
301	369842	755426	Residential	2.35E+00	4.99E-03	1.91E+00	7.63E-01	-4.16E-01	-3.20E-04	7.44E+00	1.35E-01	1.37E+00	4.89E-05	-1.99E-01	-1.53E-05	5.73E-01	9.88E-05	1.73E-01	8.23E-06	-2.35E+00	-6.35E-05
304	369544	755434	Residential	2.59E-01	5.51E-04	9.13E-01	3.65E-01	-2.73E+00	-2.10E-03	1.55E+00	2.81E-02	5.94E-01	2.12E-05	-2.71E-01	-2.08E-05	2.80E-01	4.83E-05	-1.70E-02	-8.07E-07	-5.18E+00	-1.40E-04
305	369445	755434	Residential	2.14E+00	4.55E-03	1.88E+00	7.50E-01	-8.44E-01	-6.49E-04	6.92E+00	1.26E-01	1.34E+00	4.78E-05	-2.30E-01	-1.77E-05	5.65E-01	9.75E-05	1.53E-01	7.27E-06	-3.05E+00	-8.24E-05
306	369346	755434	Residential	3.21E+00	6.84E-03	2.45E+00	9.79E-01	-1.33E-01	-1.03E-04	9.99E+00	1.82E-01	1.77E+00	6.31E-05	-2.14E-01	-1.65E-05	7.35E-01	1.27E-04	2.37E-01	1.13E-05	-2.42E+00	-6.53E-05
310	368953	755441	Residential	2.16E+00	4.60E-03	2.03E+00	8.13E-01	-1.75E-01	-1.34E-04	7.26E+00	1.32E-01	1.47E+00	5.26E-05	-2.81E-01	-2.16E-05	6.14E-01	1.06E-04	1.95E-01	9.28E-06	-2.19E+00	-5.91E-05
311	368854	755441	Residential	2.00E+00	4.26E-03	1.85E+00	7.40E-01	-4.81E-01	-3.70E-04	6.67E+00	1.21E-01	1.33E+00	4.75E-05	-2.49E-01	-1.91E-05	5.59E-01	9.63E-05	1.65E-01	7.84E-06	-2.48E+00	-6.70E-05
312	368755	755441	Residential	2.12E+00	4.50E-03	1.82E+00	7.30E-01	-4.46E-01	-3.43E-04	6.88E+00	1.25E-01	1.31E+00	4.68E-05	-2.16E-01	-1.66E-05	5.49E-01	9.47E-05	1.63E-01	7.78E-06	-2.36E+00	-6.38E-05
313	368657	755441	Residential	2.60E+00	5.54E-03	2.06E+00	8.23E-01	9.54E-03	7.33E-06	8.26E+00	1.50E-01	1.49E+00	5.32E-05	-2.00E-01	-1.54E-05	6.18E-01	1.07E-04	2.05E-01	9.74E-06	-1.83E+00	-4.94E-05
314	368558	755440	Residential	3.11E+00	6.62E-03	2.31E+00	9.25E-01	2.11E-01	1.62E-04	9.68E+00	1.76E-01	1.68E+00	5.99E-05	-1.87E-01	-1.44E-05	6.93E-01	1.19E-04	2.38E-01	1.13E-05	-1.71E+00	-4.62E-05
315	368459	755440	Residential	3.46E+00	7.36E-03	2.50E+00	9.99E-01	1.03E+00	7.89E-04	1.07E+01	1.95E-01	1.83E+00	6.54E-05	-1.82E-01	-1.40E-05	7.48E-01	1.29E-04	2.88E-01	1.37E-05	-6.04E-01	-1.63E-05
316	368360	755440	Residential	3.98E+00	8.48E-03	2.76E+00	1.10E+00	1.43E+00	1.10E-03	1.22E+01	2.22E-01	2.03E+00	7.25E-05	-1.67E-01	-1.29E-05	8.24E-01	1.42E-04	3.30E-01	1.57E-05	-1.79E-01	-4.84E-06
317	368262	755439	Residential	4.07E+00	8.66E-03	2.80E+00	1.12E+00	1.48E+00	1.14E-03	1.25E+01	2.27E-01	2.06E+00	7.37E-05	-1.66E-01	-1.27E-05	8.37E-01	1.44E-04	3.36E-01	1.60E-05	-1.35E-01	-3.65E-06
318	368186	755427	Residential	3.87E+00	8.24E-03	2.70E+00	1.08E+00	1.37E+00	1.05E-03	1.20E+01	2.17E-01	1.99E+00	7.10E-05	-1.70E-01	-1.31E-05	8.08E-01	1.39E-04	3.22E-01	1.53E-05	-2.33E-01	-6.28E-06
319	368111	755414	Residential	3.67E+00	7.81E-03	2.59E+00	1.03E+00	1.27E+00	9.80E-04	1.14E+01	2.07E-01	1.90E+00	6.80E-05	-1.71E-01	-1.31E-05	7.74E-01	1.33E-04	3.07E-01	1.46E-05	-2.89E-01	-7.82E-06
46	367504	757948	School	3.50E+00	7.45E-03	2.40E+00	9.61E-01	2.06E+00	1.59E-03	1.07E+01	1.95E-01	1.79E+00	6.40E-05	-1.40E-01	-1.08E-05	7.19E-01	1.24E-04	3.20E-01	1.52E-05	1.08E+00	2.93E-05
47	367544	757873	School	3.31E+00	7.04E-03	2.33E+00	9.32E-01	1.62E+00	1.25E-03	1.02E+01	1.85E-01	1.73E+00	6.17E-05	-1.53E-01	-1.18E-05	6.98E-01	1.20E-04	2.95E-01	1.40E-05	4.33E-01	1.17E-05
48	367587	757909	School	3.62E+00	7.70E-03	2.49E+00	9.98E-01	2.09E+00	1.61E-03	1.11E+01	2.02E-01	1.86E+00	6.64E-05	-1.48E-01	-1.14E-05	7.46E-01	1.29E-04	3.30E-01	1.57E-05	1.05E+00	2.83E-05
49	367623	757866	School	3.48E+00	7.40E-03	2.45E+00	9.80E-01	1.81E+00	1.39E-03	1.07E+01	1.95E-01	1.82E+00	6.50E-05	-1.61E-01	-1.24E-05	7.34E-01	1.26E-04	3.14E-01	1.50E-05	6.34E-01	1.71E-05
50	367694	757866	School	3.71E+00	7.90E-03	2.60E+00	1.04E+00	2.07E+00	1.59E-03	1.14E+01	2.08E-01	1.93E+00	6.90E-05	-1.65E-01	-1.27E-05	7.77E-01	1.34E-04	3.39E-01	1.61E-05	9.16E-01	2.47E-05
51	367716	757927	School	4.13E+00	8.78E-03	2.84E+00	1.13E+00	2.00E+00	1.54E-03	1.26E+01	2.29E-01	2.10E+00	7.51E-05	-1.66E-01	-1.28E-05	8.48E-01	1.46E-04	3.60E-01	1.71E-05	6.00E-01	1.62E-05
52	367737	757988	School	4.26E+00	9.06E-03	2.90E+00	1.16E+00	1.56E+00	1.20E-03	1.29E+01	2.35E-01	2.14E+00	7.64E-05	-1.64E-01	-1.26E-05	8.68E-01	1.50E-04	3.49E-01	1.66E-05	-1.41E-01	-3.81E-06
53	367727	758067	School	3.81E+00	8.10E-03	2.63E+00	1.05E+00	1.01E+00	7.79E-04	1.15E+01	2.10E-01	1.93E+00	6.89E-05	-1.60E-01	-1.23E-05	7.88E-01	1.36E-04	3.01E-01	1.43E-05	-7.63E-01	-2.06E-05
54	367716	758146	School	3.34E+00	7.10E-03	2.34E+00	9.37E-01	1.07E+00	8.23E-04	1.02E+01	1.85E-01	1.72E+00	6.15E-05	-1.52E-01	-1.17E-05	7.02E-01	1.21E-04	2.74E-01	1.31E-05	-4.35E-01	-1.18E-05
56	367723	758254	School	2.96E+00	6.30E-03	2.20E+00	8.81E-01	1.28E+00	9.86E-04	9.24E+00	1.68E-01	1.63E+00	5.81E-05	-1.78E-01	-1.37E-05	6.60E-01	1.14E-04	2.69E-01	1.28E-05	1.62E-02	4.39E-07
57	367784	758221	School	3.06E+00	6.51E-03	2.28E+00	9.10E-01	1.27E+00	9.81E-04	9.55E+00	1.74E-01	1.68E+00	6.00E-05	-1.84E-01	-1.42E-05	6.83E-01	1.18E-04	2.76E-01	1.31E-05	-5.82E-02	-1.57E-06
58	367845	758189	School	3.20E+00	6.80E-03	2.37E+00	9.48E-01	1.24E+00	9.57E-04	9.96E+00	1.81E-01	1.75E+00	6.24E-05	-1.89E-01	-1.46E-05	7.10E-01	1.22E-04	2.84E-01	1.35E-05	-1.84E-01	-4.96E-06
106	370247	758254	School	5.52E-01	1.17E-03	9.42E-01	3.77E-01	-1.94E+00	-1.49E-03	2.34E+00	4.26E-02	6.34E-01	2.27E-05	-2.21E-01	-1.70E-05	2.87E-01	4.95E-05	1.71E-02	8.12E-07	-3.94E+00	-1.06E-04
107	370250	758189	School	4.25E-01	9.05E-04	9.06E-01	3.62E-01	-2.17E+00	-1.67E-03	2.02E+00	3.68E-02	6.03E-01	2.15E-05	-2.34E-01	-1.80E-05	2.77E-01	4.77E-05	4.38E-03	2.08E-07	-4.28E+00	-1.16E-04
108	370308	758196	School	4.78E-01	1.02E-03	9.02E-01	3.61E-01	-1.82E+00	-1.40E-03	2.16E+00	3.93E-02	6.09E-01	2.18E-05	-2.22E-01	-1.71E-05	2.75E-01	4.75E-05	1.78E-02	8.49E-07	-3.73E+00	-1.01E-04
109	370361	758236	School	4.08E-02	8.67E-05	6.77E-01	2.71E-01	-2.63E+00	-2.02E-03	8.55E-01	1.55E-02	4.27E-01	1.52E-05	-2.32E-01	-1.78E-05	2.10E-01	3.61E-05	-3.63E-02	-1.73E-06	-4.82E+00	-1.30E-04
110	370415	758275	School	-4.38E-01	-9.32E-04	5.00E-01	2.00E-01	-3.25E+00	-2.50E-03	-4.46E-01	-8.10E-03	2.83E-01	1.01E-05	-2.66E-01	-2.05E-05	1.58E-01	2.72E-05	-7.84E-02	-3.74E-06	-5.66E+00	-1.53E-04

Table 3-1B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 1, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde ($\mu g/m^3$)	acetaldehyde Acute Hazard	acrolein ($\mu g/m^3$)	acrolein Acute Hazard	benzene ($\mu g/m^3$)	benzene Acute Hazard	formaldehyde ($\mu g/m^3$)	formaldehyde Acute Hazard	methyl alcohol ($\mu g/m^3$)	methyl alcohol Acute Hazard	methyl ethyl ketone ($\mu g/m^3$)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) ($\mu g/m^3$)	phenol (carbolic acid) Acute Hazard	styrene ($\mu g/m^3$)	styrene Acute Hazard	toluene ($\mu g/m^3$)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
302	369741	755435	School	-1.68E-01	-3.58E-04	6.36E-01	2.54E-01	-3.49E+00	-2.69E-03	1.97E-01	3.58E-03	3.74E-01	1.34E-05	-2.60E-01	-2.00E-05	1.98E-01	3.42E-05	-7.46E-02	-3.55E-06	-6.15E+00	-1.66E-04
303	369643	755434	School	9.66E-01	2.05E-03	1.20E+00	4.82E-01	-4.91E-01	-3.78E-04	3.61E+00	6.56E-02	8.66E-01	3.09E-05	-2.31E-01	-1.77E-05	3.67E-01	6.34E-05	1.00E-01	4.76E-06	-2.01E+00	-5.43E-05

Note: Shaded cells indicate locations where concentrations were highest within each land use category.

Table 3-1B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 1, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m^3)	xylene, total Acute Hazard	arsenic (µg/m^3)	arsenic Acute Hazard	chlorine (µg/m^3)	chlorine Acute Hazard	copper (µg/m^3)	copper Acute Hazard	mercury (µg/m^3)	mercury Acute Hazard	nickel (µg/m^3)	nickel Acute Hazard	vanadium (µg/m^3)	vanadium Acute Hazard	sulfates (µg/m^3)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
117	370814	758243	Offsite Worker	-2.40E+00	-1.09E-04	-1.79E-03	-8.96E-03	-1.28E-01	-6.10E-04	-8.88E-03	-8.88E-05	-1.07E-02	-1.79E-02	-6.84E-03	-1.14E-03	-1.04E-02	-3.46E-04	-6.27E+00	-5.23E-02
118	370810	758153	Offsite Worker	-2.32E+00	-1.05E-04	-2.06E-03	-1.03E-02	-1.48E-01	-7.04E-04	-1.02E-02	-1.02E-04	-1.24E-02	-2.06E-02	-7.87E-03	-1.31E-03	-1.19E-02	-3.98E-04	-7.22E+00	-6.02E-02
119	370807	758063	Offsite Worker	-1.81E+00	-8.23E-05	-2.35E-03	-1.17E-02	-1.69E-01	-8.07E-04	-1.16E-02	-1.16E-04	-1.41E-02	-2.35E-02	-8.97E-03	-1.50E-03	-1.36E-02	-4.54E-04	-8.23E+00	-6.86E-02
120	370803	757974	Offsite Worker	-2.37E+00	-1.08E-04	-2.73E-03	-1.37E-02	-1.96E-01	-9.32E-04	-1.35E-02	-1.35E-04	-1.64E-02	-2.73E-02	-1.04E-02	-1.74E-03	-1.58E-02	-5.28E-04	-9.57E+00	-7.98E-02
121	370835	757927	Offsite Worker	-3.00E+00	-1.36E-04	-3.01E-03	-1.50E-02	-2.13E-01	-1.01E-03	-1.49E-02	-1.49E-04	-1.80E-02	-3.01E-02	-1.15E-02	-1.91E-03	-1.74E-02	-5.81E-04	-1.05E+01	-8.76E-02
122	370868	757880	Offsite Worker	-1.86E+00	-8.47E-05	-2.70E-03	-1.35E-02	-1.90E-01	-9.04E-04	-1.33E-02	-1.33E-04	-1.62E-02	-2.70E-02	-1.03E-02	-1.72E-03	-1.57E-02	-5.23E-04	-9.45E+00	-7.87E-02
123	370921	757884	Offsite Worker	-2.16E+00	-9.84E-05	-2.97E-03	-1.49E-02	-2.08E-01	-9.91E-04	-1.46E-02	-1.46E-04	-1.78E-02	-2.97E-02	-1.13E-02	-1.89E-03	-1.72E-02	-5.75E-04	-1.04E+01	-8.65E-02
124	370975	757887	Offsite Worker	-1.47E+00	-6.70E-05	-2.70E-03	-1.35E-02	-1.88E-01	-8.94E-04	-1.31E-02	-1.31E-04	-1.62E-02	-2.70E-02	-1.03E-02	-1.71E-03	-1.57E-02	-5.22E-04	-9.43E+00	-7.85E-02
125	370975	757794	Offsite Worker	1.38E-01	6.28E-06	-1.92E-03	-9.58E-03	-1.30E-01	-6.19E-04	-8.93E-03	-8.93E-05	-1.15E-02	-1.92E-02	-7.27E-03	-1.21E-03	-1.11E-02	-3.70E-04	-6.66E+00	-5.55E-02
126	371026	757794	Offsite Worker	-7.90E-01	-3.59E-05	-1.87E-03	-9.34E-03	-1.30E-01	-6.20E-04	-8.64E-03	-8.64E-05	-1.12E-02	-1.87E-02	-7.11E-03	-1.19E-03	-1.08E-02	-3.61E-04	-6.52E+00	-5.44E-02
127	371076	757877	Offsite Worker	-1.48E-01	-6.75E-06	-1.92E-03	-9.58E-03	-1.37E-01	-6.54E-04	-9.05E-03	-9.05E-05	-1.15E-02	-1.92E-02	-7.32E-03	-1.22E-03	-1.11E-02	-3.70E-04	-6.71E+00	-5.59E-02
128	371126	757959	Offsite Worker	3.28E-01	1.49E-05	-1.91E-03	-9.56E-03	-1.37E-01	-6.51E-04	-9.12E-03	-9.12E-05	-1.15E-02	-1.91E-02	-7.30E-03	-1.22E-03	-1.11E-02	-3.70E-04	-6.70E+00	-5.58E-02
129	371119	758031	Offsite Worker	-1.22E-01	-5.52E-06	-1.80E-03	-9.02E-03	-1.28E-01	-6.10E-04	-8.65E-03	-8.65E-05	-1.08E-02	-1.80E-02	-6.88E-03	-1.15E-03	-1.05E-02	-3.49E-04	-6.31E+00	-5.26E-02
143	371953	757977	Offsite Worker	-1.68E+00	-7.65E-05	-1.31E-03	-6.56E-03	-9.64E-02	-4.59E-04	-6.29E-03	-6.29E-05	-7.88E-03	-1.31E-02	-5.03E-03	-8.39E-04	-7.61E-03	-2.54E-04	-4.61E+00	-3.85E-02
144	371948	757880	Offsite Worker	-2.04E+00	-9.29E-05	-1.02E-03	-5.11E-03	-7.52E-02	-3.58E-04	-4.84E-03	-4.84E-05	-6.13E-03	-1.02E-02	-3.92E-03	-6.53E-04	-5.93E-03	-1.98E-04	-3.59E+00	-3.00E-02
145	371943	757783	Offsite Worker	-5.14E+00	-2.34E-04	-1.54E-03	-7.69E-03	-1.18E-01	-5.60E-04	-7.53E-03	-7.53E-05	-9.23E-03	-1.54E-02	-5.93E-03	-9.88E-04	-8.92E-03	-2.97E-04	-5.44E+00	-4.53E-02
146	372016	757794	Offsite Worker	-5.01E+00	-2.28E-04	-1.57E-03	-7.84E-03	-1.17E-01	-5.59E-04	-7.70E-03	-7.70E-05	-9.41E-03	-1.57E-02	-6.03E-03	-1.00E-03	-9.10E-03	-3.03E-04	-5.53E+00	-4.61E-02
147	372102	757791	Offsite Worker	-4.79E+00	-2.18E-04	-1.61E-03	-8.04E-03	-1.19E-01	-5.64E-04	-7.92E-03	-7.92E-05	-9.64E-03	-1.61E-02	-6.16E-03	-1.03E-03	-9.32E-03	-3.11E-04	-5.65E+00	-4.71E-02
148	372178	757760	Offsite Worker	-3.99E+00	-1.81E-04	-1.46E-03	-7.30E-03	-1.09E-01	-5.20E-04	-7.23E-03	-7.23E-05	-8.76E-03	-1.46E-02	-5.61E-03	-9.35E-04	-8.47E-03	-2.82E-04	-5.15E+00	-4.29E-02
149	372177	757670	Offsite Worker	-2.54E+00	-1.16E-04	-1.50E-03	-7.49E-03	-1.07E-01	-5.10E-04	-7.38E-03	-7.38E-05	-8.99E-03	-1.50E-02	-5.72E-03	-9.54E-04	-8.69E-03	-2.90E-04	-5.25E+00	-4.37E-02
150	372176	757579	Offsite Worker	-1.86E+00	-8.44E-05	-1.10E-03	-5.48E-03	-8.63E-02	-4.11E-04	-5.36E-03	-5.36E-05	-6.58E-03	-1.10E-02	-4.24E-03	-7.07E-04	-6.36E-03	-2.12E-04	-3.89E+00	-3.24E-02
151	372174	757489	Offsite Worker	-2.15E+00	-9.77E-05	-7.68E-04	-3.84E-03	-6.05E-02	-2.88E-04	-3.65E-03	-3.65E-05	-4.61E-03	-7.68E-03	-2.97E-03	-4.96E-04	-4.46E-03	-1.49E-04	-2.73E+00	-2.27E-02
152	372173	757398	Offsite Worker	-1.24E+00	-5.65E-05	-1.03E-03	-5.13E-03	-8.48E-02	-4.04E-04	-4.96E-03	-4.96E-05	-6.15E-03	-1.03E-02	-4.00E-03	-6.66E-04	-5.95E-03	-1.98E-04	-3.67E+00	-3.05E-02
153	372171	757308	Offsite Worker	3.98E-01	1.81E-05	-9.80E-04	-4.90E-03	-6.80E-02	-3.24E-04	-4.54E-03	-4.54E-05	-5.88E-03	-9.80E-03	-3.73E-03	-6.21E-04	-5.68E-03	-1.89E-04	-3.42E+00	-2.85E-02
154	372055	757309	Offsite Worker	-1.01E+00	-4.61E-05	-1.26E-03	-6.29E-03	-1.06E-01	-5.03E-04	-6.17E-03	-6.17E-05	-7.54E-03	-1.26E-02	-4.91E-03	-8.19E-04	-7.29E-03	-2.43E-04	-4.50E+00	-3.75E-02
156	372055	757416	Offsite Worker	-2.17E+00	-9.85E-05	-1.11E-03	-5.53E-03	-9.74E-02	-4.64E-04	-5.49E-03	-5.49E-05	-6.63E-03	-1.11E-02	-4.35E-03	-7.26E-04	-6.41E-03	-2.14E-04	-3.99E+00	-3.33E-02
157	371952	757442	Offsite Worker	-1.88E+00	-8.54E-05	-1.27E-03	-6.37E-03	-9.03E-02	-4.30E-04	-6.20E-03	-6.20E-05	-7.64E-03	-1.27E-02	-4.86E-03	-8.10E-04	-7.39E-03	-2.46E-04	-4.46E+00	-3.71E-02
158	371950	757345	Offsite Worker	-3.31E+00	-1.51E-04	-1.56E-03	-7.79E-03	-1.48E-01	-7.06E-04	-7.94E-03	-7.94E-05	-9.35E-03	-1.56E-02	-6.21E-03	-1.04E-03	-9.04E-03	-3.01E-04	-5.69E+00	-4.75E-02
159	371864	757344	Offsite Worker	-3.77E+00	-1.71E-04	-1.45E-03	-7.26E-03	-1.36E-01	-6.48E-04	-7.32E-03	-7.32E-05	-8.71E-03	-1.45E-02	-5.78E-03	-9.63E-04	-8.42E-03	-2.81E-04	-5.29E+00	-4.41E-02
160	371790	757347	Offsite Worker	-3.06E+00	-1.39E-04	-1.40E-03	-7.02E-03	-1.13E-01	-5.39E-04	-6.91E-03	-6.91E-05	-8.43E-03	-1.40E-02	-5.46E-03	-9.09E-04	-8.15E-03	-2.72E-04	-5.00E+00	-4.17E-02
161	371708	757356	Offsite Worker	-2.12E+00	-9.63E-05	-1.46E-03	-7.30E-03	-1.01E-01	-4.81E-04	-7.07E-03	-7.07E-05	-8.76E-03	-1.46E-02	-5.55E-03	-9.25E-04	-8.47E-03	-2.82E-04	-5.09E+00	-4.24E-02
162	371615	757356	Offsite Worker	-1.54E+00	-7.00E-05	-1.55E-03	-7.76E-03	-9.52E-02	-4.54E-04	-7.41E-03	-7.41E-05	-9.31E-03	-1.55E-02	-5.81E-03	-9.69E-04	-9.00E-03	-3.00E-04	-5.33E+00	-4.44E-02
163	371523	757356	Offsite Worker	-1.06E+00	-4.82E-05	-1.84E-03	-9.18E-03	-1.18E-01	-5.61E-04	-8.86E-03	-8.86E-05	-1.10E-02	-1.84E-02	-6.91E-03	-1.15E-03	-1.06E-02	-3.55E-04	-6.34E+00	-5.29E-02
164	371430	757356	Offsite Worker	-7.05E-01	-3.21E-05	-2.15E-03	-1.08E-02	-1.51E-01	-7.20E-04	-1.06E-02	-1.06E-04	-1.29E-02	-2.15E-02	-8.21E-03	-1.37E-03	-1.25E-02	-4.17E-04	-7.53E+00	-6.28E-02
165	371338	757356	Offsite Worker	-1.02E+00	-4.62E-05	-2.66E-03	-1.33E-02	-1.98E-01	-9.44E-04	-1.32E-02	-1.32E-04	-1.59E-02	-2.66E-02	-1.02E-02	-1.70E-03	-1.54E-02	-5.14E-04	-9.37E+00	-7.80E-02
166	371245	757356	Offsite Worker	-2.13E+00	-9.66E-05	-3.46E-03	-1.73E-02	-2.65E-01	-1.26E-03	-1.73E-02	-1.73E-04	-2.08E-02	-3.46E-02	-1.33E-02	-2.22E-03	-2.01E-02	-6.69E-04	-1.22E+01	-1.02E-01
167	371153	757356	Offsite Worker	-3.75E+00	-1.70E-04	-4.27E-03	-2.13E-02	-3.31E-01	-1.58E-03	-2.15E-02	-2.15E-04	-2.56E-02	-4.27E-02	-1.65E-02	-2.75E-03	-2.48E-02	-8.25E-04	-1.51E+01	-1.26E-01
168	371061	757356	Offsite Worker	-5.14E+00	-2.34E-04	-4.90E-03	-2.45E-02	-3.81E-01	-1.81E-03	-2.47E-02	-2.47E-04	-2.94E-02	-4.90E-02	-1.89E-02	-3.16E-03	-2.84E-02	-9.48E-04	-1.74E+01	-1.45E-01
169	371005	757357	Offsite Worker	-6.11E+00	-2.78E-04	-5.12E-03	-2.56E-02	-3.96E-01	-1.88E-03	-2.57E-02	-2.57E-04	-3.07E-02	-5.12E-02	-1.98E-02	-3.29E-03	-2.97E-02	-9.89E-04	-1.81E+01	-1.51E-01
170	370998	757293	Offsite Worker	-4.55E+00	-2.07E-04	-4.46E-03	-2.23E-02	-3.51E-01	-1.67E-03	-2.23E-02	-2.23E-04	-2.68E-02	-4.46E-02	-1.73E-02	-2.88E-03	-2.59E-02	-8.63E-04	-1.58E+01	-1.32E-01
171	370998	757194	Offsite Worker	7.34E-02	3.34E-06	-2.95E-03	-1.47E-02	-2.31E-01	-1.10E-03	-1.45E-02	-1.45E-04	-1.77E-02	-2.95E-02	-1.14E-02	-1.90E-03	-1.71E-02	-5.70E-04	-1.05E+01	-8.71E-02
172	370998	757096	Offsite Worker	-2.05E-01	-9.32E-06	-2.70E-03	-1.35E-02	-1.92E-01	-9.15E-04	-1.31E-02	-1.31E-04	-1.62E-02	-2.70E-02	-1.03E-02	-1.72E-03	-1.57E-02	-5.23E-04	-9.46E+00	-7.89E-02
173	370998	756998	Offsite Worker	-6.88E+00	-3.13E-04	-2.86E-03	-1.43E-02	-1.94E-01	-9.26E-04	-1.42E-02	-1.42E-04	-1.72E-02	-2.86E-02	-1.09E-02	-1.81E-03	-1.66E-02	-5.54E-04	-9.97E+00	-8.31E-02
174	371057	756997	Offsite Worker	-4.96E+00	-2.26E-04	-2.98E-03	-1.49E-02	-1.99E-01	-9.47E-04	-1.47E-02	-1.47E-04	-1.79E-02	-2.98E-02	-1.13E-02	-1.88E-03	-1.73E-02	-5.76E-04	-1.03E+01	-8.62E-02
175	371153	756997	Offsite Worker	-4.77E+00	-2.17E-04	-2.29E-03	-1.14E-02	-1.52E-01	-7.23E-04	-1.12E-02	-1.12E-04	-1.37E-02	-2.29E-02	-8.66E-03	-1.44E-03	-1.33E-02	-4.43E-04	-7.95E+00	-6.62E-02
176	371249	756997	Offsite Worker	-5.22E+00	-2.37E-04	-2.28E-03	-1.14E-02	-1.46E-01	-6.96E-04	-1.11E-02	-1.11E-04	-1.37E-02	-2.28E-02	-8.60E-03	-1.43E-03	-1.32E-02	-4.41E-04	-7.89E+00	-6.57E-02
177	371345	756997	Offsite Worker	-4.96E+00	-2.25E-04	-1.87E-03	-9.35E-03	-1.06E-01	-5.06E-04	-8.86E-03	-8.86E-05	-1.12E-02	-1.87E-02	-6.94E-03	-1.16E-03	-1.08E-02	-3.61E-04	-6.37E+00	-5.31E-02
178	371440	756997	Offsite Worker	-2.61E+00	-1.19E-04	-1.79E-03	-8.94E-03	-1.01E-01	-4.83E-04	-8.39E-03	-8.39E-05	-1.07E-02	-1.79E-02	-6.64E-03	-1.11E-03	-1.04E-02	-3.46E-04	-6.10E+00	-5.08E-02
179	371536	756997	Offsite Worker	-1.09E+00	-4.97E-05	-1.83E-03	-9.17E-03	-1.06E-01	-5.05E-04	-8.60E-03	-8.60E-05	-1.10E-02	-1.83E-02	-6.82E-03	-1.14E-03	-1.06E-02	-3.54E-04	-6.26E+00	-5.22E-02
180	371632	756997	Offsite Worker	3.15E-01	1.43E-05	-1.76E-03	-8.78E-03	-1.05E-01	-5.01E-04	-8.27E-03	-8.27E-05	-1.05E-02	-1.76E-02	-6.56E-03	-1.09E-03	-1.02E-02	-3.39E-04	-6.02E+00	-5.02E-02
181	371728	756997	Offsite Worker	9.23E-01	4.20E-05	-1.45E-03	-7.27E-03	-9.26E-02	-4.41E-04	-6.86E-03	-6.86E-05	-8.73E-03	-1.45E-02	-5.47E-03	-9.12E-04	-8.44E-03	-2.81E-04	-5.02E+00	-4.18E-02
182	371824	756997	Offsite Worker	3.09E-01	1.40E-05	-1.36E-03	-6.78E-03	-8.27E-02	-3.94E-04	-6.35E-03	-6.35E-05	-8.13E-03	-1.36E-02	-5.08E-03	-8.46E-04	-7.86E-03	-2.62E-04	-4.66E+00	-3.88E-02
183	371920	756997	Offsite Worker	7.97E-01	3.62E-05	-2.11E-04	-1.05E-03	9.79E-03	4.66E-05	-2.20E-04	-2.20E-06	-1.26E-03	-2.11E-03	-6.27E-04	-1.05E-04	-1.22E-03	-4.08E-05	-5.79E-01	-4.82E-03
184	372016	756997	Offsite Worker	1.83E+00	8.32E-05	3.62E-04	1.81E-03	4.81E-02	2.29E-04	2.73E-03	2.73E-05	2.17E-03	3.62E-03	1.54E-03	2.57E-04	2.10E-03	7.01E-05	1.41E+00	1.18E-02
185	372111	756997	Offsite Worker	4.97E+00	2.26E-04	8.08E-04	4.04E-03	6.76E-02	3.22E-04	4.95E-03	4.95E-05	4.85E-03	8.08E-03	3.15E-03	5.26E-04	4.68E-03	1.56E-04	2.89E+00	2.41E-02
186	372207	756997	Offsite Worker	1.87E+00	8.51E-05	2.23E-04	1.12E-03	2.07E-02	9.86E-05	1.76E-03	1.76E-05	1.34E-03	2.23E-03	8.87E-04	1.48E-04	1.30E-03	4.32E-05	8.13E-01	6.77E-03
187	372303	756997	Offsite Worker	3.19E+00	1.45E-04	4.35E-04	2.17E-03	4.23E-02	2.02E-04	2.98E-03	2.98E-05	2.61E-03	4.35E-03	1.74E-03	2.90E-04	2.52E-03	8.41E-05	1.60E+00	1.33E-02
188	372399	756997	Offsite Worker	5.06E+00	2.30E-04	8.83E-04	4.41E-03	7.58E-02	3.61E-04	5.35E-03	5.35E-05	5.30E-03	8.83E-03	3.46E-03	5.77E-04	5.12E-03	1.71E-04	3.17E+00	2.65E-02
189	372495	756997	Offsite Worker	1.04E+01	4.74E-04	2.19E-03	1.10E-02	1.73E-01	8.22E-04	1.23E-02	1.23E-04	1.32E-02	2.19E-02	8.49E-03	1.42E-03	1.27E-02	4.24E-04	7.79E+00	6.49E-02
190	372591	756997	Offsite Worker	1.09E+01	4.94E-04	2.32E-03	1.16E-02	1.84E-01	8.75E-04	1.29E-02	1.29E-04	1.39E-02	2.32E-02	9.00E-03	1.50E-03	1.35E-02	4.49E-04	8.25E+00	6.88E-02
191	372610	757063	Offsite Worker	1.00E+01	4.57E-04	2.28E-03	1.14E-02	1.78E-01	8.45E-04	1.26E-02	1.26E-04	1.37E-02	2.28E-02	8.80E-03	1.47E-03	1.32E-02	4.40E-04	8.07E+00	6.72E-02
192	372612	757132	Offsite Worker	3.90E+00	1.77E-04	7.32E-04	3.66E-03	6.69E-02	3.19E-04	4.44E-03	4.44E-05	4.39E-03	7.32E-03	2.90E-03	4.83E-04	4.24E-03	1.41E-04	2.66E+00	2.21E-02
193	372614	757201	Offsite Worker	-9.75E-01	-4.43E-05	-7.02E-04	-3.51E-03	-4.11E-02	-1.96E-04	-3.21E-03	-3.21E-05	-4.21E-03	-7.02E-03	-2.62E-03	-4.36E-04	-4.07E-03	-1.36E-04	-2.40E+00	-2.00E-02
194	372616	757270	Offsite Worker	4.92E-01	2.23E-05	-3.62E-04	-1.81E-03	-1.57E-02	-7.46E-05	-1.35E-03	-1.35E-05	-2.17E-03	-3.62E-03	-1.31E-03	-2.18E-04	-2.10E-03	-7.00E-05	-1.20E+00	-1.00E-02
195	372627	757351	Offsite Worker	1.33E+00	6.07E-05	-1.27E-04	-6.34E-04	-4.11E-03	-1.96E-05	-1.52E-04	-1.52E-06	-7.61E-04	-1.27E-03	-4.49E-04	-7.48E-05	-7.36E-04	-2.45E-05	-4.12E-01	-3.44E-03

Table 3-1B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 1, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m^3)	xylene, total Acute Hazard	arsenic (µg/m^3)	arsenic Acute Hazard	chlorine (µg/m^3)	chlorine Acute Hazard	copper (µg/m^3)	copper Acute Hazard	mercury (µg/m^3)	mercury Acute Hazard	nickel (µg/m^3)	nickel Acute Hazard	vanadium (µg/m^3)	vanadium Acute Hazard	sulfates (µg/m^3)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
196	372651	757422	Offsite Worker	1.30E+00	5.89E-05	-1.89E-04	-9.45E-04	-7.36E-03	-3.51E-05	-5.01E-04	-5.01E-06	-1.13E-03	-1.89E-03	-6.78E-04	-1.13E-04	-1.10E-03	-3.65E-05	-6.23E-01	-5.19E-03
197	372676	757494	Offsite Worker	1.16E+00	5.25E-05	-5.92E-04	-2.96E-03	-3.90E-02	-1.86E-04	-2.62E-03	-2.62E-05	-3.55E-03	-5.92E-03	-2.24E-03	-3.73E-04	-3.43E-03	-1.14E-04	-2.05E+00	-1.71E-02
198	372704	757569	Offsite Worker	2.20E-01	1.00E-05	-9.00E-04	-4.50E-03	-6.35E-02	-3.03E-04	-4.28E-03	-4.28E-05	-5.40E-03	-9.00E-03	-3.43E-03	-5.72E-04	-5.22E-03	-1.74E-04	-3.15E+00	-2.62E-02
199	372733	757645	Offsite Worker	-6.52E-01	-2.96E-05	-9.72E-04	-4.86E-03	-6.96E-02	-3.31E-04	-4.71E-03	-4.71E-05	-5.83E-03	-9.72E-03	-3.71E-03	-6.19E-04	-5.64E-03	-1.88E-04	-3.41E+00	-2.84E-02
200	372746	757702	Offsite Worker	-1.19E+00	-5.40E-05	-8.77E-04	-4.38E-03	-6.33E-02	-3.01E-04	-4.26E-03	-4.26E-05	-5.26E-03	-8.77E-03	-3.35E-03	-5.59E-04	-5.08E-03	-1.69E-04	-3.07E+00	-2.56E-02
201	372746	757768	Offsite Worker	-1.49E+00	-6.79E-05	-1.05E-03	-5.23E-03	-7.74E-02	-3.69E-04	-5.17E-03	-5.17E-05	-6.28E-03	-1.05E-02	-4.02E-03	-6.69E-04	-6.07E-03	-2.02E-04	-3.68E+00	-3.07E-02
202	372807	757781	Offsite Worker	-1.34E+00	-6.09E-05	-9.43E-04	-4.71E-03	-6.83E-02	-3.25E-04	-4.63E-03	-4.63E-05	-5.66E-03	-9.43E-03	-3.61E-03	-6.01E-04	-5.47E-03	-1.82E-04	-3.31E+00	-2.76E-02
203	372901	757782	Offsite Worker	-9.30E-01	-4.23E-05	-5.26E-04	-2.63E-03	-2.88E-02	-1.37E-04	-2.39E-03	-2.39E-05	-3.16E-03	-5.26E-03	-1.95E-03	-3.25E-04	-3.05E-03	-1.02E-04	-1.79E+00	-1.49E-02
204	372994	757783	Offsite Worker	-5.32E-01	-2.42E-05	-8.25E-04	-4.12E-03	-4.84E-02	-2.30E-04	-3.91E-03	-3.91E-05	-4.95E-03	-8.25E-03	-3.07E-03	-5.12E-04	-4.78E-03	-1.59E-04	-2.82E+00	-2.35E-02
205	373087	757783	Offsite Worker	-8.13E-02	-3.69E-06	-9.20E-04	-4.60E-03	-5.49E-02	-2.62E-04	-4.37E-03	-4.37E-05	-5.52E-03	-9.20E-03	-3.44E-03	-5.73E-04	-5.34E-03	-1.78E-04	-3.15E+00	-2.63E-02
206	373180	757784	Offsite Worker	1.72E-01	7.83E-06	-9.56E-04	-4.78E-03	-5.71E-02	-2.72E-04	-4.53E-03	-4.53E-05	-5.74E-03	-9.56E-03	-3.57E-03	-5.95E-04	-5.55E-03	-1.85E-04	-3.28E+00	-2.73E-02
207	373274	757785	Offsite Worker	2.63E-01	1.19E-05	-9.01E-04	-4.50E-03	-5.20E-02	-2.47E-04	-4.25E-03	-4.25E-05	-5.40E-03	-9.01E-03	-3.35E-03	-5.58E-04	-5.22E-03	-1.74E-04	-3.07E+00	-2.56E-02
208	373367	757786	Offsite Worker	3.45E-01	1.57E-05	-8.09E-04	-4.04E-03	-4.67E-02	-2.22E-04	-3.77E-03	-3.77E-05	-4.85E-03	-8.09E-03	-3.01E-03	-5.02E-04	-4.69E-03	-1.56E-04	-2.76E+00	-2.30E-02
209	373418	757742	Offsite Worker	1.77E+00	8.03E-05	-6.25E-05	-3.12E-04	6.35E-03	3.02E-05	1.51E-04	1.51E-06	-3.75E-04	-6.25E-04	-1.61E-04	-2.69E-05	-3.62E-04	-1.21E-05	-1.49E-01	-1.24E-03
210	373418	757653	Offsite Worker	2.41E+00	1.10E-04	1.62E-05	8.09E-05	1.73E-02	8.25E-05	6.42E-04	6.42E-06	9.70E-05	1.62E-04	1.77E-04	2.95E-05	9.38E-05	3.13E-06	1.61E-01	1.34E-03
211	373419	757564	Offsite Worker	5.90E-01	2.68E-05	-4.66E-04	-2.33E-03	-1.70E-02	-8.09E-05	-1.90E-03	-1.90E-05	-2.80E-03	-4.66E-03	-1.66E-03	-2.77E-04	-2.71E-03	-9.02E-05	-1.53E+00	-1.27E-02
212	373419	757475	Offsite Worker	-4.37E-01	-1.99E-05	-5.73E-04	-2.86E-03	-3.62E-02	-1.73E-04	-2.69E-03	-2.69E-05	-3.44E-03	-5.73E-03	-2.15E-03	-3.59E-04	-3.32E-03	-1.11E-04	-1.98E+00	-1.65E-02
213	373420	757386	Offsite Worker	-4.21E-01	-1.91E-05	-5.41E-04	-2.71E-03	-2.94E-02	-1.40E-04	-2.46E-03	-2.46E-05	-3.25E-03	-5.41E-03	-2.00E-03	-3.33E-04	-3.14E-03	-1.05E-04	-1.84E+00	-1.53E-02
214	373420	757297	Offsite Worker	-5.11E-01	-2.32E-05	-6.51E-04	-3.25E-03	-3.73E-02	-1.78E-04	-3.02E-03	-3.02E-05	-3.91E-03	-6.51E-03	-2.42E-03	-4.03E-04	-3.78E-03	-1.26E-04	-2.22E+00	-1.85E-02
215	373421	757207	Offsite Worker	-5.69E-01	-2.59E-05	-8.28E-04	-4.14E-03	-5.57E-02	-2.65E-04	-4.01E-03	-4.01E-05	-4.97E-03	-8.28E-03	-3.14E-03	-5.23E-04	-4.81E-03	-1.60E-04	-2.88E+00	-2.40E-02
216	373421	757118	Offsite Worker	-1.03E+00	-4.66E-05	-8.92E-04	-4.46E-03	-6.31E-02	-3.00E-04	-4.34E-03	-4.34E-05	-5.35E-03	-8.92E-03	-3.40E-03	-5.67E-04	-5.18E-03	-1.73E-04	-3.12E+00	-2.60E-02
217	373292	757117	Offsite Worker	-8.18E-01	-3.72E-05	-9.05E-04	-4.52E-03	-6.53E-02	-3.11E-04	-4.40E-03	-4.40E-05	-5.43E-03	-9.05E-03	-3.46E-03	-5.76E-04	-5.25E-03	-1.75E-04	-3.17E+00	-2.64E-02
218	373213	757118	Offsite Worker	-6.08E-01	-2.77E-05	-7.92E-04	-3.96E-03	-5.56E-02	-2.65E-04	-3.80E-03	-3.80E-05	-4.75E-03	-7.92E-03	-3.02E-03	-5.03E-04	-4.59E-03	-1.53E-04	-2.77E+00	-2.31E-02
219	373158	757066	Offsite Worker	-7.18E-01	-3.26E-05	-8.42E-04	-4.21E-03	-6.10E-02	-2.91E-04	-4.05E-03	-4.05E-05	-5.05E-03	-8.42E-03	-3.22E-03	-5.37E-04	-4.88E-03	-1.63E-04	-2.95E+00	-2.46E-02
220	373084	757026	Offsite Worker	-6.90E-01	-3.13E-05	-8.38E-04	-4.19E-03	-6.07E-02	-2.89E-04	-4.03E-03	-4.03E-05	-5.03E-03	-8.38E-03	-3.21E-03	-5.35E-04	-4.86E-03	-1.62E-04	-2.94E+00	-2.45E-02
221	373009	757011	Offsite Worker	-4.76E-01	-2.16E-05	-7.35E-04	-3.68E-03	-5.13E-02	-2.44E-04	-3.45E-03	-3.45E-05	-4.41E-03	-7.35E-03	-2.80E-03	-4.67E-04	-4.27E-03	-1.42E-04	-2.57E+00	-2.14E-02
222	372922	757009	Offsite Worker	-1.18E-01	-5.36E-06	-6.25E-04	-3.13E-03	-4.30E-02	-2.05E-04	-2.85E-03	-2.85E-05	-3.75E-03	-6.25E-03	-2.38E-03	-3.96E-04	-3.63E-03	-1.21E-04	-2.18E+00	-1.82E-02
223	372835	757007	Offsite Worker	-4.58E-01	-2.08E-05	-5.85E-04	-2.93E-03	-3.99E-02	-1.90E-04	-2.59E-03	-2.59E-05	-3.51E-03	-5.85E-03	-2.22E-03	-3.70E-04	-3.39E-03	-1.13E-04	-2.04E+00	-1.70E-02
224	372747	757006	Offsite Worker	7.94E-01	3.61E-05	-4.33E-04	-2.17E-03	-2.39E-02	-1.14E-04	-1.77E-03	-1.77E-05	-2.60E-03	-4.33E-03	-1.60E-03	-2.67E-04	-2.51E-03	-8.38E-05	-1.47E+00	-1.23E-02
225	372660	757004	Offsite Worker	6.01E+00	2.73E-04	1.05E-03	5.26E-03	9.48E-02	4.52E-04	6.24E-03	6.24E-05	6.32E-03	1.05E-02	4.16E-03	6.93E-04	6.11E-03	2.04E-04	3.81E+00	3.18E-02
226	372651	757063	Offsite Worker	9.97E+00	4.53E-04	2.25E-03	1.12E-02	1.76E-01	8.39E-04	1.25E-02	1.25E-04	1.35E-02	2.25E-02	8.70E-03	1.45E-03	1.30E-02	4.35E-04	7.98E+00	6.65E-02
227	372629	756931	Offsite Worker	2.52E+00	1.14E-04	-4.94E-05	-2.47E-04	8.18E-03	3.90E-05	3.13E-04	3.13E-06	-2.96E-04	-4.94E-04	-1.05E-04	-1.75E-05	-2.86E-04	-9.55E-06	-9.77E-02	-8.14E-04
228	372631	756857	Offsite Worker	2.50E+00	1.14E-04	1.65E-04	8.27E-04	1.92E-02	9.15E-05	1.39E-03	1.39E-05	9.92E-04	1.65E-03	6.85E-04	1.14E-04	9.59E-04	3.20E-05	6.27E-01	5.22E-03
229	372634	756783	Offsite Worker	1.80E+00	8.18E-05	-1.62E-04	-8.09E-04	-7.73E-03	-3.68E-05	-3.54E-04	-3.54E-06	-9.70E-04	-1.62E-03	-5.90E-04	-9.84E-05	-9.38E-04	-3.13E-05	-5.42E-01	-4.52E-03
230	372702	756778	Offsite Worker	1.34E+00	6.07E-05	-3.24E-04	-1.62E-03	-2.15E-02	-1.02E-04	-1.18E-03	-1.18E-05	-1.94E-03	-3.24E-03	-1.23E-03	-2.04E-04	-1.88E-03	-6.26E-05	-1.12E+00	-9.37E-03
231	372756	756775	Offsite Worker	1.17E+00	5.31E-05	-3.08E-04	-1.54E-03	-2.12E-02	-1.01E-04	-1.13E-03	-1.13E-05	-1.85E-03	-3.08E-03	-1.17E-03	-1.95E-04	-1.79E-03	-5.96E-05	-1.07E+00	-8.95E-03
232	372729	756712	Offsite Worker	2.26E+00	1.03E-04	-4.28E-05	-2.14E-04	4.54E-04	2.16E-06	3.96E-04	3.96E-06	-2.57E-04	-4.28E-04	-1.38E-04	-2.31E-05	-2.48E-04	-8.27E-06	-1.27E-01	-1.06E-03
233	372703	756650	Offsite Worker	1.65E+00	7.51E-05	-2.23E-04	-1.12E-03	-1.39E-02	-6.61E-05	-5.33E-04	-5.33E-06	-1.34E-03	-2.23E-03	-8.38E-04	-1.40E-04	-1.29E-03	-4.31E-05	-7.69E-01	-6.40E-03
234	372677	756588	Offsite Worker	2.23E+00	1.01E-04	-1.20E-04	-6.00E-04	-8.76E-03	-4.17E-05	3.04E-05	3.04E-07	-7.20E-04	-1.20E-03	-4.60E-04	-7.66E-05	-6.96E-04	-2.32E-05	-4.22E-01	-3.51E-03
235	372619	756588	Offsite Worker	1.87E+00	8.51E-05	1.84E-04	9.18E-04	1.53E-02	7.30E-05	1.66E-03	1.66E-05	1.10E-03	1.84E-03	7.17E-04	1.20E-04	1.07E-03	3.55E-05	6.57E-01	5.48E-03
236	372622	756509	Offsite Worker	5.60E-01	2.54E-05	-3.59E-04	-1.80E-03	-2.30E-02	-1.10E-04	-8.84E-04	-8.84E-06	-2.15E-03	-3.59E-03	-1.35E-03	-2.25E-04	-2.08E-03	-6.94E-05	-1.24E+00	-1.03E-02
237	372700	756511	Offsite Worker	5.81E-01	2.64E-05	-6.75E-04	-3.38E-03	-5.12E-02	-2.44E-04	-3.16E-03	-3.16E-05	-4.05E-03	-6.75E-03	-2.60E-03	-4.33E-04	-3.92E-03	-1.31E-04	-2.38E+00	-1.99E-02
238	372789	756510	Offsite Worker	2.10E-01	9.55E-06	-5.20E-04	-2.60E-03	-3.68E-02	-1.75E-04	-2.30E-03	-2.30E-05	-3.12E-03	-5.20E-03	-1.99E-03	-3.31E-04	-3.02E-03	-1.01E-04	-1.82E+00	-1.52E-02
239	372871	756509	Offsite Worker	-2.11E-01	-9.60E-06	-5.32E-04	-2.66E-03	-3.45E-02	-1.64E-04	-2.28E-03	-2.28E-05	-3.19E-03	-5.32E-03	-2.01E-03	-3.34E-04	-3.09E-03	-1.03E-04	-1.84E+00	-1.53E-02
240	372871	756437	Offsite Worker	-1.08E+00	-4.91E-05	-1.16E-03	-5.80E-03	-7.45E-02	-3.55E-04	-5.28E-03	-5.28E-05	-6.96E-03	-1.16E-02	-4.37E-03	-7.29E-04	-6.73E-03	-2.24E-04	-4.01E+00	-3.34E-02
241	372970	756437	Offsite Worker	-8.89E-01	-4.04E-05	-1.46E-03	-7.28E-03	-9.55E-02	-4.55E-04	-6.84E-03	-6.84E-05	-8.73E-03	-1.46E-02	-5.50E-03	-9.16E-04	-8.44E-03	-2.81E-04	-5.04E+00	-4.20E-02
242	373069	756437	Offsite Worker	-8.73E-01	-3.97E-05	-1.31E-03	-6.57E-03	-8.90E-02	-4.24E-04	-6.24E-03	-6.24E-05	-7.89E-03	-1.31E-02	-4.99E-03	-8.31E-04	-7.63E-03	-2.54E-04	-4.57E+00	-3.81E-02
243	373168	756437	Offsite Worker	-8.71E-01	-3.96E-05	-9.43E-04	-4.72E-03	-6.73E-02	-3.20E-04	-4.47E-03	-4.47E-05	-5.66E-03	-9.43E-03	-3.60E-03	-6.00E-04	-5.47E-03	-1.82E-04	-3.30E+00	-2.75E-02
244	373267	756437	Offsite Worker	-7.98E-01	-3.63E-05	-8.82E-04	-4.41E-03	-6.25E-02	-2.98E-04	-4.16E-03	-4.16E-05	-5.29E-03	-8.82E-03	-3.36E-03	-5.61E-04	-5.12E-03	-1.71E-04	-3.09E+00	-2.57E-02
245	373412	756437	Offsite Worker	-4.94E-01	-2.25E-05	-7.90E-04	-3.95E-03	-5.57E-02	-2.65E-04	-3.70E-03	-3.70E-05	-4.74E-03	-7.90E-03	-3.01E-03	-5.02E-04	-4.58E-03	-1.53E-04	-2.76E+00	-2.30E-02
246	373409	756339	Offsite Worker	-1.62E+00	-7.36E-05	-1.42E-03	-7.10E-03	-9.78E-02	-4.66E-04	-6.93E-03	-6.93E-05	-8.52E-03	-1.42E-02	-5.40E-03	-9.00E-04	-8.24E-03	-2.75E-04	-4.95E+00	-4.13E-02
247	373406	756240	Offsite Worker	-1.99E+00	-9.04E-05	-1.34E-03	-6.69E-03	-8.68E-02	-4.13E-04	-6.35E-03	-6.35E-05	-8.02E-03	-1.34E-02	-5.04E-03	-8.41E-04	-7.75E-03	-2.58E-04	-4.63E+00	-3.86E-02
248	373403	756142	Offsite Worker	-8.39E-01	-3.81E-05	-8.22E-04	-4.11E-03	-5.35E-02	-2.55E-04	-3.65E-03	-3.65E-05	-4.93E-03	-8.22E-03	-3.10E-03	-5.17E-04	-4.77E-03	-1.59E-04	-2.85E+00	-2.37E-02
249	373400	756042	Offsite Worker	-1.23E+00	-5.60E-05	-1.20E-03	-6.02E-03	-1.01E-01	-4.81E-04	-5.84E-03	-5.84E-05	-7.22E-03	-1.20E-02	-4.71E-03	-7.84E-04	-6.98E-03	-2.33E-04	-4.31E+00	-3.60E-02
250	373397	755944	Offsite Worker	-1.69E+00	-7.67E-05	-1.22E-03	-6.08E-03	-1.10E-01	-5.23E-04	-6.17E-03	-6.17E-05	-7.30E-03	-1.22E-02	-4.81E-03	-8.01E-04	-7.05E-03	-2.35E-04	-4.41E+00	-3.67E-02
251	373393	755846	Offsite Worker	-1.69E+00	-7.69E-05	-1.56E-03	-7.78E-03	-1.23E-01	-5.86E-04	-7.73E-03	-7.73E-05	-9.33E-03	-1.56E-02	-6.02E-03	-1.00E-03	-9.02E-03	-3.01E-04	-5.52E+00	-4.60E-02
252	373390	755747	Offsite Worker	-1.99E+00	-9.05E-05	-1.45E-03	-7.23E-03	-1.05E-01	-5.01E-04	-7.04E-03	-7.04E-05	-8.68E-03	-1.45E-02	-5.54E-03	-9.23E-04	-8.39E-03	-2.80E-04	-5.08E+00	-4.23E-02
253	373309	755744	Offsite Worker	-2.07E+00	-9.41E-05	-1.47E-03	-7.36E-03	-1.06E-01	-5.06E-04	-7.16E-03	-7.16E-05	-8.83E-03	-1.47E-02	-5.63E-03	-9.38E-04	-8.54E-03	-2.85E-04	-5.16E+00	-4.30E-02
254	373229	755743	Offsite Worker	-2.02E+00	-9.20E-05	-1.51E-03	-7.57E-03	-1.09E-01	-5.19E-04	-7.35E-03	-7.35E-05	-9.08E-03	-1.51E-02	-5.79E-03	-9.65E-04	-8.78E-03	-2.93E-04	-5.31E+00	-4.42E-02
255	373143	755741	Offsite Worker	-1.79E+00	-8.12E-05	-1.60E-03	-7.98E-03	-1.18E-01	-5.60E-04	-7.77E-03	-7.77E-05	-9.57E-03	-1.60E-02	-6.12E-03	-1.02E-03	-9.25E-03	-3.08E-04	-5.61E+00	-4.68E-02
256	373143	755823	Offsite Worker	-2.43E+00	-1.11E-04	-1.57E-03	-7.86E-03	-1.22E-01	-5.82E-04	-7.76E-03	-7.76E-05	-9.43E-03	-1.57E-02	-6.07E-03	-1.01E-03	-9.12E-03	-3.04E-04	-5.57E+00	-4.64E-02
257	373143	755906	Offsite Worker	-2.49E+00	-1.13E-04	-1.40E-03	-6.98E-03	-1.27E-01	-6.03E-04	-7.06E-03	-7.06E-05	-8.38E-03	-1.40E-02	-5.53E-03	-9.21E-04	-8.10E-03	-2.70E-04	-5.06E+00	-4.22E-02
258	373065	755906	Offsite Worker	-2.83E+00	-1.28E-04	-1.41E-03	-7.03E-03	-1.28E-01	-6.10E-04	-7.11E-03	-7.11E-05	-8.44E-03	-1.41E-02	-5.57E-03	-9.28E-04	-8.16E-03	-2.72E-04	-5.10E+00	-4.25E-02
259	373065	755827	Offsite Worker	-2.53E+00	-1.15E-04	-1.68E-03	-8.42E-03	-1.39E-01	-6.61E-04	-8.40E-03	-8.40E-05	-1.01E-02	-1.68E-02	-6.57E-03	-1.09E-03	-9.77E-03	-3.26E-04	-6.02E+00	-5.02E-02
260	373068	755733	Offsite Worker	-1.71E+00	-7.77E-05	-1.62E-03	-8.11E-03	-1.15E-01	-5.50E-04	-7.86E-03	-7.86E-05	-9.73E-03	-1.62E-02	-6.19E-03	-1.03E-03	-9.41E-03	-3.14E-04	-5.68E+00	-4.73E-02

Table 3-1B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 1, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m³)	xylene, total Acute Hazard	arsenic (µg/m³)	arsenic Acute Hazard	chlorine (µg/m³)	chlorine Acute Hazard	copper (µg/m³)	copper Acute Hazard	mercury (µg/m³)	mercury Acute Hazard	nickel (µg/m³)	nickel Acute Hazard	vanadium (µg/m³)	vanadium Acute Hazard	sulfates (µg/m³)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
261	373007	755733	Offsite Worker	-1.75E+00	-7.95E-05	-1.62E-03	-8.11E-03	-1.13E-01	-5.40E-04	-7.83E-03	-7.83E-05	-9.74E-03	-1.62E-02	-6.18E-03	-1.03E-03	-9.41E-03	-3.14E-04	-5.67E+00	-4.72E-02
262	372941	755733	Offsite Worker	-1.91E+00	-8.66E-05	-1.70E-03	-8.52E-03	-1.18E-01	-5.64E-04	-8.24E-03	-8.24E-05	-1.02E-02	-1.70E-02	-6.49E-03	-1.08E-03	-9.89E-03	-3.30E-04	-5.95E+00	-4.96E-02
263	372941	755636	Offsite Worker	-1.41E+00	-6.39E-05	-1.73E-03	-8.64E-03	-1.14E-01	-5.41E-04	-8.38E-03	-8.38E-05	-1.04E-02	-1.73E-02	-6.53E-03	-1.09E-03	-1.00E-02	-3.34E-04	-5.99E+00	-4.99E-02
264	372941	755539	Offsite Worker	-1.79E+00	-8.16E-05	-1.83E-03	-9.17E-03	-1.27E-01	-6.04E-04	-9.07E-03	-9.07E-05	-1.10E-02	-1.83E-02	-6.98E-03	-1.16E-03	-1.06E-02	-3.55E-04	-6.40E+00	-5.33E-02
265	372941	755442	Offsite Worker	-1.49E+00	-6.76E-05	-2.50E-03	-1.25E-02	-1.73E-01	-8.23E-04	-1.25E-02	-1.25E-04	-1.50E-02	-2.50E-02	-9.50E-03	-1.58E-03	-1.45E-02	-4.83E-04	-8.71E+00	-7.26E-02
266	372913	755342	Offsite Worker	-1.97E+00	-8.97E-05	-3.75E-03	-1.88E-02	-2.62E-01	-1.25E-03	-1.89E-02	-1.89E-04	-2.25E-02	-3.75E-02	-1.43E-02	-2.38E-03	-2.18E-02	-7.26E-04	-1.31E+01	-1.09E-01
267	372817	755346	Offsite Worker	-2.49E+00	-1.13E-04	-4.68E-03	-2.34E-02	-3.26E-01	-1.55E-03	-2.36E-02	-2.36E-04	-2.81E-02	-4.68E-02	-1.78E-02	-2.97E-03	-2.71E-02	-9.04E-04	-1.63E+01	-1.36E-01
268	372720	755349	Offsite Worker	-3.37E+00	-1.53E-04	-7.05E-03	-3.53E-02	-4.88E-01	-2.32E-03	-3.56E-02	-3.56E-04	-4.23E-02	-7.05E-02	-2.68E-02	-4.47E-03	-4.09E-02	-1.36E-03	-2.46E+01	-2.05E-01
269	372624	755352	Offsite Worker	-4.64E+00	-2.11E-04	-1.02E-02	-5.08E-02	-7.04E-01	-3.35E-03	-5.15E-02	-5.15E-04	-6.10E-02	-1.02E-01	-3.87E-02	-6.44E-03	-5.90E-02	-1.97E-03	-3.55E+01	-2.95E-01
270	372527	755349	Offsite Worker	-4.82E+00	-2.19E-04	-7.08E-03	-3.54E-02	-4.96E-01	-2.36E-03	-3.58E-02	-3.58E-04	-4.25E-02	-7.08E-02	-2.70E-02	-4.49E-03	-4.11E-02	-1.37E-03	-2.47E+01	-2.06E-01
271	372431	755353	Offsite Worker	-3.99E+00	-1.81E-04	-6.39E-03	-3.20E-02	-4.44E-01	-2.12E-03	-3.23E-02	-3.23E-04	-3.84E-02	-6.39E-02	-2.43E-02	-4.05E-03	-3.71E-02	-1.24E-03	-2.23E+01	-1.86E-01
272	372334	755356	Offsite Worker	-3.27E+00	-1.49E-04	-6.14E-03	-3.07E-02	-4.26E-01	-2.03E-03	-3.10E-02	-3.10E-04	-3.68E-02	-6.14E-02	-2.33E-02	-3.89E-03	-3.56E-02	-1.19E-03	-2.14E+01	-1.78E-01
273	372237	755359	Offsite Worker	-3.62E+00	-1.64E-04	-6.11E-03	-3.05E-02	-4.27E-01	-2.03E-03	-3.09E-02	-3.09E-04	-3.67E-02	-6.11E-02	-2.33E-02	-3.88E-03	-3.54E-02	-1.18E-03	-2.13E+01	-1.78E-01
274	372141	755362	Offsite Worker	-2.58E+00	-1.17E-04	-1.10E-02	-5.51E-02	-7.67E-01	-3.65E-03	-5.58E-02	-5.58E-04	-6.61E-02	-1.10E-01	-4.19E-02	-6.99E-03	-6.39E-02	-2.13E-03	-3.85E+01	-3.20E-01
275	372044	755366	Offsite Worker	-2.25E+00	-1.02E-04	-1.11E-02	-5.53E-02	-7.74E-01	-3.68E-03	-5.61E-02	-5.61E-04	-6.64E-02	-1.11E-01	-4.21E-02	-7.02E-03	-6.42E-02	-2.14E-03	-3.86E+01	-3.22E-01
276	371948	755369	Offsite Worker	-1.58E+00	-7.18E-05	-5.97E-03	-2.98E-02	-4.19E-01	-1.99E-03	-3.02E-02	-3.02E-04	-3.58E-02	-5.97E-02	-2.27E-02	-3.79E-03	-3.46E-02	-1.15E-03	-2.09E+01	-1.74E-01
277	371851	755372	Offsite Worker	-3.05E+00	-1.39E-04	-4.96E-03	-2.48E-02	-3.51E-01	-1.67E-03	-2.51E-02	-2.51E-04	-2.98E-02	-4.96E-02	-1.89E-02	-3.15E-03	-2.88E-02	-9.59E-04	-1.74E+01	-1.45E-01
278	371755	755375	Offsite Worker	-5.18E+00	-2.35E-04	-5.11E-03	-2.55E-02	-3.62E-01	-1.72E-03	-2.58E-02	-2.58E-04	-3.06E-02	-5.11E-02	-1.95E-02	-3.25E-03	-2.96E-02	-9.87E-04	-1.79E+01	-1.49E-01
279	371658	755378	Offsite Worker	-6.89E+00	-3.13E-04	-5.00E-03	-2.50E-02	-3.53E-01	-1.68E-03	-2.53E-02	-2.53E-04	-3.00E-02	-5.00E-02	-1.91E-02	-3.18E-03	-2.90E-02	-9.67E-04	-1.75E+01	-1.46E-01
280	371562	755382	Offsite Worker	-5.18E+00	-2.35E-04	-4.14E-03	-2.07E-02	-2.91E-01	-1.39E-03	-2.09E-02	-2.09E-04	-2.49E-02	-4.14E-02	-1.58E-02	-2.63E-03	-2.40E-02	-8.01E-04	-1.45E+01	-1.21E-01
281	371465	755385	Offsite Worker	-4.13E+00	-1.88E-04	-3.26E-03	-1.63E-02	-2.28E-01	-1.09E-03	-1.64E-02	-1.64E-04	-1.95E-02	-3.26E-02	-1.24E-02	-2.07E-03	-1.89E-02	-6.30E-04	-1.14E+01	-9.49E-02
282	371368	755388	Offsite Worker	-3.44E+00	-1.56E-04	-2.48E-03	-1.24E-02	-1.75E-01	-8.32E-04	-1.24E-02	-1.24E-04	-1.49E-02	-2.48E-02	-9.44E-03	-1.57E-03	-1.44E-02	-4.79E-04	-8.66E+00	-7.22E-02
283	371272	755391	Offsite Worker	3.00E-02	1.36E-06	-2.12E-03	-1.06E-02	-1.54E-01	-7.32E-04	-1.05E-02	-1.05E-04	-1.27E-02	-2.12E-02	-8.10E-03	-1.35E-03	-1.23E-02	-4.09E-04	-7.43E+00	-6.19E-02
284	371175	755395	Offsite Worker	6.16E-02	2.80E-06	-2.21E-03	-1.11E-02	-1.62E-01	-7.70E-04	-1.10E-02	-1.10E-04	-1.33E-02	-2.21E-02	-8.47E-03	-1.41E-03	-1.28E-02	-4.27E-04	-7.77E+00	-6.47E-02
285	371079	755398	Offsite Worker	-2.39E+00	-1.08E-04	-2.38E-03	-1.19E-02	-1.76E-01	-8.37E-04	-1.20E-02	-1.20E-04	-1.43E-02	-2.38E-02	-9.14E-03	-1.52E-03	-1.38E-02	-4.61E-04	-8.38E+00	-6.98E-02
286	371042	755478	Offsite Worker	-2.24E+00	-1.02E-04	-2.44E-03	-1.22E-02	-1.82E-01	-8.66E-04	-1.23E-02	-1.23E-04	-1.47E-02	-2.44E-02	-9.39E-03	-1.56E-03	-1.42E-02	-4.73E-04	-8.61E+00	-7.17E-02
287	371009	755538	Offsite Worker	-1.08E+00	-4.90E-05	-2.17E-03	-1.09E-02	-1.67E-01	-7.93E-04	-1.09E-02	-1.09E-04	-1.30E-02	-2.17E-02	-8.38E-03	-1.40E-03	-1.26E-02	-4.20E-04	-7.68E+00	-6.40E-02
288	370975	755597	Offsite Worker	-5.14E-01	-2.34E-05	-2.45E-03	-1.22E-02	-1.81E-01	-8.64E-04	-1.21E-02	-1.21E-04	-1.47E-02	-2.45E-02	-9.39E-03	-1.57E-03	-1.42E-02	-4.73E-04	-8.61E+00	-7.18E-02
289	370925	755597	Offsite Worker	-1.56E+00	-7.08E-05	-2.63E-03	-1.32E-02	-1.91E-01	-9.11E-04	-1.30E-02	-1.30E-04	-1.58E-02	-2.63E-02	-1.01E-02	-1.68E-03	-1.53E-02	-5.09E-04	-9.24E+00	-7.70E-02
290	370860	755547	Offsite Worker	-4.65E+00	-2.11E-04	-3.08E-03	-1.54E-02	-2.24E-01	-1.07E-03	-1.53E-02	-1.53E-04	-1.85E-02	-3.08E-02	-1.18E-02	-1.96E-03	-1.78E-02	-5.95E-04	-1.08E+01	-9.00E-02
291	370796	755497	Offsite Worker	-3.94E+00	-1.79E-04	-3.95E-03	-1.98E-02	-2.76E-01	-1.32E-03	-1.97E-02	-1.97E-04	-2.37E-02	-3.95E-02	-1.51E-02	-2.51E-03	-2.29E-02	-7.64E-04	-1.38E+01	-1.15E-01
292	370733	755428	Offsite Worker	-1.60E+00	-7.28E-05	-3.41E-03	-1.70E-02	-2.40E-01	-1.14E-03	-1.69E-02	-1.69E-04	-2.04E-02	-3.41E-02	-1.30E-02	-2.16E-03	-1.98E-02	-6.59E-04	-1.19E+01	-9.92E-02
293	370634	755428	Offsite Worker	-4.96E+00	-2.25E-04	-4.33E-03	-2.17E-02	-3.04E-01	-1.45E-03	-2.16E-02	-2.16E-04	-2.60E-02	-4.33E-02	-1.65E-02	-2.75E-03	-2.51E-02	-8.37E-04	-1.51E+01	-1.26E-01
294	370536	755428	Offsite Worker	2.77E-01	1.26E-05	-5.45E-03	-2.73E-02	-3.74E-01	-1.78E-03	-2.70E-02	-2.70E-04	-3.27E-02	-5.45E-02	-2.07E-02	-3.45E-03	-3.16E-02	-1.05E-03	-1.90E+01	-1.58E-01
295	370437	755428	Offsite Worker	-3.88E+00	-1.77E-04	-6.10E-03	-3.05E-02	-4.26E-01	-2.03E-03	-3.05E-02	-3.05E-04	-3.66E-02	-6.10E-02	-2.32E-02	-3.87E-03	-3.54E-02	-1.18E-03	-2.13E+01	-1.77E-01
296	370338	755427	Offsite Worker	-3.52E+00	-1.60E-04	-5.33E-03	-2.67E-02	-3.72E-01	-1.77E-03	-2.64E-02	-2.64E-04	-3.20E-02	-5.33E-02	-2.03E-02	-3.38E-03	-3.09E-02	-1.03E-03	-1.86E+01	-1.55E-01
307	369249	755442	Offsite Worker	-8.14E-01	-3.70E-05	-2.11E-03	-1.05E-02	-1.45E-01	-6.92E-04	-1.04E-02	-1.04E-04	-1.26E-02	-2.11E-02	-8.01E-03	-1.33E-03	-1.22E-02	-4.07E-04	-7.35E+00	-6.12E-02
308	369151	755442	Offsite Worker	-5.70E-01	-2.59E-05	-1.85E-03	-9.26E-03	-1.24E-01	-5.92E-04	-9.04E-03	-9.04E-05	-1.11E-02	-1.85E-02	-7.01E-03	-1.17E-03	-1.07E-02	-3.58E-04	-6.43E+00	-5.36E-02
309	369052	755442	Offsite Worker	-1.26E+00	-5.73E-05	-1.55E-03	-7.75E-03	-9.77E-02	-4.65E-04	-7.46E-03	-7.46E-05	-9.30E-03	-1.55E-02	-5.83E-03	-9.71E-04	-8.99E-03	-3.00E-04	-5.35E+00	-4.46E-02
320	368035	755402	Offsite Worker	-2.93E-01	-1.33E-05	-1.57E-03	-7.84E-03	-1.12E-01	-5.35E-04	-7.77E-03	-7.77E-05	-9.40E-03	-1.57E-02	-5.99E-03	-9.98E-04	-9.09E-03	-3.03E-04	-5.49E+00	-4.58E-02
321	367960	755389	Offsite Worker	-2.62E-01	-1.19E-05	-1.59E-03	-7.93E-03	-1.15E-01	-5.46E-04	-7.89E-03	-7.89E-05	-9.52E-03	-1.59E-02	-6.07E-03	-1.01E-03	-9.20E-03	-3.07E-04	-5.57E+00	-4.64E-02
322	367863	755390	Offsite Worker	-7.07E-02	-3.21E-06	-1.51E-03	-7.56E-03	-1.13E-01	-5.37E-04	-7.55E-03	-7.55E-05	-9.07E-03	-1.51E-02	-5.81E-03	-9.68E-04	-8.77E-03	-2.92E-04	-5.33E+00	-4.44E-02
323	367766	755392	Offsite Worker	2.12E-01	9.63E-06	-1.31E-03	-6.53E-03	-9.85E-02	-4.69E-04	-6.53E-03	-6.53E-05	-7.84E-03	-1.31E-02	-5.03E-03	-8.38E-04	-7.58E-03	-2.53E-04	-4.61E+00	-3.84E-02
324	367669	755393	Offsite Worker	-3.99E-01	-1.81E-05	-1.05E-03	-5.24E-03	-8.03E-02	-3.82E-04	-5.22E-03	-5.22E-05	-6.29E-03	-1.05E-02	-4.04E-03	-6.74E-04	-6.08E-03	-2.03E-04	-3.71E+00	-3.09E-02
325	367572	755394	Offsite Worker	-1.03E+00	-4.68E-05	-9.49E-04	-4.75E-03	-7.26E-02	-3.46E-04	-4.72E-03	-4.72E-05	-5.70E-03	-9.49E-03	-3.66E-03	-6.10E-04	-5.51E-03	-1.84E-04	-3.36E+00	-2.80E-02
326	367475	755395	Offsite Worker	-1.48E+00	-6.72E-05	-1.07E-03	-5.37E-03	-8.00E-02	-3.81E-04	-5.37E-03	-5.37E-05	-6.44E-03	-1.07E-02	-4.13E-03	-6.88E-04	-6.23E-03	-2.08E-04	-3.78E+00	-3.15E-02
327	370400	756850	On-Site Occupational	-9.81E+00	-4.46E-04	-3.72E-03	-1.86E-02	-2.33E-01	-1.11E-03	-1.81E-02	-1.81E-04	-2.23E-02	-3.72E-02	-1.40E-02	-2.33E-03	-2.16E-02	-7.20E-04	-1.28E+01	-1.07E-01
1	367379	755396	Recreational	-1.57E+00	-7.11E-05	-1.06E-03	-5.31E-03	-7.95E-02	-3.78E-04	-5.31E-03	-5.31E-05	-6.37E-03	-1.06E-02	-4.08E-03	-6.80E-04	-6.16E-03	-2.05E-04	-3.74E+00	-3.12E-02
2	367340	755485	Recreational	-9.39E-01	-4.27E-05	-8.77E-04	-4.38E-03	-6.66E-02	-3.17E-04	-4.35E-03	-4.35E-05	-5.26E-03	-8.77E-03	-3.38E-03	-5.63E-04	-5.08E-03	-1.69E-04	-3.10E+00	-2.58E-02
3	367301	755573	Recreational	-1.76E+00	-8.02E-05	-9.25E-04	-4.63E-03	-7.07E-02	-3.37E-04	-4.59E-03	-4.59E-05	-5.55E-03	-9.25E-03	-3.57E-03	-5.94E-04	-5.37E-03	-1.79E-04	-3.27E+00	-2.73E-02
4	367263	755661	Recreational	-2.09E+00	-9.51E-05	-1.13E-03	-5.67E-03	-8.54E-02	-4.06E-04	-5.63E-03	-5.63E-05	-6.80E-03	-1.13E-02	-4.36E-03	-7.27E-04	-6.58E-03	-2.19E-04	-4.00E+00	-3.33E-02
5	367224	755749	Recreational	-1.32E+00	-5.98E-05	-1.00E-03	-5.02E-03	-7.20E-02	-3.43E-04	-4.91E-03	-4.91E-05	-6.02E-03	-1.00E-02	-3.83E-03	-6.39E-04	-5.82E-03	-1.94E-04	-3.52E+00	-2.93E-02
6	367186	755838	Recreational	6.75E-02	3.07E-06	-7.10E-04	-3.55E-03	-4.97E-02	-2.37E-04	-3.32E-03	-3.32E-05	-4.26E-03	-7.10E-03	-2.70E-03	-4.51E-04	-4.12E-03	-1.37E-04	-2.48E+00	-2.07E-02
7	367147	755926	Recreational	5.40E-01	2.45E-05	-4.21E-04	-2.10E-03	-2.63E-02	-1.25E-04	-1.78E-03	-1.78E-05	-2.53E-03	-4.21E-03	-1.58E-03	-2.63E-04	-2.44E-03	-8.14E-05	-1.45E+00	-1.21E-02
8	367109	756014	Recreational	3.67E-01	1.67E-05	-6.90E-04	-3.45E-03	-4.70E-02	-2.24E-04	-3.17E-03	-3.17E-05	-4.14E-03	-6.90E-03	-2.62E-03	-4.36E-04	-4.00E-03	-1.33E-04	-2.40E+00	-2.00E-02
9	367070	756103	Recreational	1.22E+00	5.56E-05	-9.74E-04	-4.87E-03	-6.60E-02	-3.14E-04	-4.60E-03	-4.60E-05	-5.85E-03	-9.74E-03	-3.69E-03	-6.16E-04	-5.65E-03	-1.88E-04	-3.39E+00	-2.82E-02
10	367032	756191	Recreational	1.69E+00	7.70E-05	-7.65E-04	-3.83E-03	-4.74E-02	-2.26E-04	-3.47E-03	-3.47E-05	-4.59E-03	-7.65E-03	-2.87E-03	-4.78E-04	-4.44E-03	-1.48E-04	-2.63E+00	-2.19E-02
11	366993	756279	Recreational	1.45E+00	6.59E-05	-1.00E-03	-5.00E-03	-6.54E-02	-3.11E-04	-4.70E-03	-4.70E-05	-6.00E-03	-1.00E-02	-3.78E-03	-6.29E-04	-5.80E-03	-1.93E-04	-3.46E+00	-2.89E-02
12	366954	756367	Recreational	1.22E+00	5.54E-05	-1.04E-03	-5.20E-03	-6.94E-02	-3.30E-04	-4.94E-03	-4.94E-05	-6.24E-03	-1.04E-02	-3.94E-03	-6.56E-04	-6.04E-03	-2.01E-04	-3.61E+00	-3.01E-02
13	366916	756456	Recreational	9.83E-01	4.47E-05	-8.93E-04	-4.46E-03	-5.97E-02	-2.84E-04	-4.24E-03	-4.24E-05	-5.36E-03	-8.93E-03	-3.38E-03	-5.63E-04	-5.18E-03	-1.73E-04	-3.10E+00	-2.58E-02
14	366877	756544	Recreational	-8.02E-02	-3.65E-06	-7.73E-04	-3.86E-03	-5.16E-02	-2.45E-04	-3.67E-03	-3.67E-05	-4.64E-03	-7.73E-03	-2.92E-03	-4.87E-04	-4.48E-03	-1.49E-04	-2.68E+00	-2.24E-02
15	366839	756632	Recreational	-7.88E-01	-3.58E-05	-9.60E-04	-4.80E-03	-6.73E-02	-3.21E-04	-4.68E-03	-4.68E-05	-5.76E-03	-9.60E-03	-3.66E-03	-6.09E-04	-5.57E-03	-1.86E-04	-3.35E+00	-2.79E-02
16	366800	756720	Recreational	-7.35E-01	-3.34E-05	-8.08E-04	-4.04E-03	-5.50E-02	-2.62E-04	-3.88E-03	-3.88E-05	-4.85E-03	-8.08E-03	-3.07E-03	-5.11E-04	-4.69E-03	-1.56E-04	-2.81E+00	-2.34E-02
17	366762	756809	Recreational	1.40E-02	6.34E-07	-5.77E-04	-2.89E-03	-3.78E-02	-1.80E-04	-2.68E-03	-2.68E-05	-3.46E-03	-5.77E-03	-2.18E-03	-3.63E-04	-3.35E-03	-1.12E-04	-2.00E+00	-1.67E-02
18	366723	756897	Recreational	5.11E-01	2.32E-05	-6.82E-04	-3.41E-03	-4.35E-02	-2.07E-04	-3.17E-03	-3.17E-05	-4.09E-03	-6.82E-03	-2.57E-03	-4.28E-04	-3.96E-03	-1.32E-04	-2.36E+00	-1.96E-02

Table 3-1B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 1, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m^3)	xylene, total Acute Hazard	arsenic (µg/m^3)	arsenic Acute Hazard	chlorine (µg/m^3)	chlorine Acute Hazard	copper (µg/m^3)	copper Acute Hazard	mercury (µg/m^3)	mercury Acute Hazard	nickel (µg/m^3)	nickel Acute Hazard	vanadium (µg/m^3)	vanadium Acute Hazard	sulfates (µg/m^3)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
19	366685	756985	Recreational	-2.19E-02	-9.94E-07	-7.22E-04	-3.61E-03	-4.65E-02	-2.22E-04	-3.39E-03	-3.39E-05	-4.33E-03	-7.22E-03	-2.72E-03	-4.53E-04	-4.19E-03	-1.40E-04	-2.50E+00	-2.08E-02
20	366646	757074	Recreational	-6.45E-01	-2.93E-05	-7.83E-04	-3.92E-03	-5.36E-02	-2.55E-04	-3.75E-03	-3.75E-05	-4.70E-03	-7.83E-03	-2.97E-03	-4.96E-04	-4.54E-03	-1.51E-04	-2.73E+00	-2.27E-02
21	366607	757162	Recreational	-8.06E-01	-3.66E-05	-7.90E-04	-3.95E-03	-5.73E-02	-2.73E-04	-3.83E-03	-3.83E-05	-4.74E-03	-7.90E-03	-3.02E-03	-5.04E-04	-4.58E-03	-1.53E-04	-2.77E+00	-2.31E-02
22	366569	757250	Recreational	-9.50E-01	-4.32E-05	-9.23E-04	-4.62E-03	-6.30E-02	-3.00E-04	-4.49E-03	-4.49E-05	-5.54E-03	-9.23E-03	-3.50E-03	-5.84E-04	-5.35E-03	-1.78E-04	-3.21E+00	-2.68E-02
23	366530	757338	Recreational	-1.14E+00	-5.17E-05	-8.91E-04	-4.46E-03	-6.26E-02	-2.98E-04	-4.36E-03	-4.36E-05	-5.35E-03	-8.91E-03	-3.40E-03	-5.66E-04	-5.17E-03	-1.72E-04	-3.12E+00	-2.60E-02
24	366492	757427	Recreational	-8.01E-01	-3.64E-05	-7.64E-04	-3.82E-03	-5.26E-02	-2.51E-04	-3.70E-03	-3.70E-05	-4.59E-03	-7.64E-03	-2.90E-03	-4.84E-04	-4.43E-03	-1.48E-04	-2.66E+00	-2.22E-02
25	366453	757515	Recreational	-4.38E-01	-1.99E-05	-7.61E-04	-3.80E-03	-5.33E-02	-2.54E-04	-3.69E-03	-3.69E-05	-4.57E-03	-7.61E-03	-2.90E-03	-4.83E-04	-4.41E-03	-1.47E-04	-2.66E+00	-2.22E-02
26	366415	757603	Recreational	-3.56E-01	-1.62E-05	-7.86E-04	-3.93E-03	-5.59E-02	-2.66E-04	-3.81E-03	-3.81E-05	-4.71E-03	-7.86E-03	-3.00E-03	-5.00E-04	-4.56E-03	-1.52E-04	-2.75E+00	-2.29E-02
27	366376	757692	Recreational	-3.42E-01	-1.55E-05	-7.85E-04	-3.93E-03	-5.63E-02	-2.68E-04	-3.80E-03	-3.80E-05	-4.71E-03	-7.85E-03	-3.00E-03	-5.00E-04	-4.55E-03	-1.52E-04	-2.75E+00	-2.29E-02
84	369336	758100	Recreational	6.40E-01	2.91E-05	-1.56E-03	-7.80E-03	-1.06E-01	-5.04E-04	-7.42E-03	-7.42E-05	-9.35E-03	-1.56E-02	-5.91E-03	-9.86E-04	-9.04E-03	-3.01E-04	-5.43E+00	-4.52E-02
85	369269	758170	Recreational	1.22E+00	5.53E-05	-1.56E-03	-7.81E-03	-1.04E-01	-4.94E-04	-7.41E-03	-7.41E-05	-9.37E-03	-1.56E-02	-5.91E-03	-9.85E-04	-9.06E-03	-3.02E-04	-5.42E+00	-4.52E-02
86	369202	758239	Recreational	1.09E+00	4.97E-05	-1.62E-03	-8.12E-03	-1.09E-01	-5.18E-04	-7.80E-03	-7.80E-05	-9.75E-03	-1.62E-02	-6.15E-03	-1.03E-03	-9.42E-03	-3.14E-04	-5.64E+00	-4.70E-02
87	369264	758285	Recreational	9.73E-01	4.42E-05	-1.13E-03	-5.67E-03	-7.59E-02	-3.62E-04	-5.30E-03	-5.30E-05	-6.80E-03	-1.13E-02	-4.29E-03	-7.15E-04	-6.57E-03	-2.19E-04	-3.94E+00	-3.28E-02
88	369326	758330	Recreational	5.12E-01	2.33E-05	-1.49E-03	-7.46E-03	-1.03E-01	-4.90E-04	-7.23E-03	-7.23E-05	-8.95E-03	-1.49E-02	-5.67E-03	-9.45E-04	-8.65E-03	-2.88E-04	-5.20E+00	-4.33E-02
89	369389	758376	Recreational	3.12E-04	1.42E-08	-1.44E-03	-7.20E-03	-1.00E-01	-4.77E-04	-7.02E-03	-7.02E-05	-8.64E-03	-1.44E-02	-5.48E-03	-9.14E-04	-8.36E-03	-2.79E-04	-5.03E+00	-4.19E-02
90	369389	758462	Recreational	-2.09E-01	-9.49E-06	-1.29E-03	-6.45E-03	-9.02E-02	-4.30E-04	-6.27E-03	-6.27E-05	-7.74E-03	-1.29E-02	-4.91E-03	-8.19E-04	-7.48E-03	-2.49E-04	-4.51E+00	-3.76E-02
91	369389	758548	Recreational	-3.96E-01	-1.80E-05	-1.30E-03	-6.49E-03	-9.02E-02	-4.29E-04	-6.30E-03	-6.30E-05	-7.78E-03	-1.30E-02	-4.94E-03	-8.23E-04	-7.52E-03	-2.51E-04	-4.53E+00	-3.77E-02
28	366338	757780	Residential	-1.36E-01	-6.16E-06	-6.98E-04	-3.49E-03	-4.94E-02	-2.35E-04	-3.34E-03	-3.34E-05	-4.19E-03	-6.98E-03	-2.66E-03	-4.44E-04	-4.05E-03	-1.35E-04	-2.44E+00	-2.04E-02
29	366402	757746	Residential	-1.81E-01	-8.21E-06	-7.28E-04	-3.64E-03	-5.15E-02	-2.45E-04	-3.49E-03	-3.49E-05	-4.37E-03	-7.28E-03	-2.78E-03	-4.63E-04	-4.22E-03	-1.41E-04	-2.55E+00	-2.12E-02
30	366467	757713	Residential	-2.23E-01	-1.02E-05	-7.70E-04	-3.85E-03	-5.48E-02	-2.61E-04	-3.71E-03	-3.71E-05	-4.62E-03	-7.70E-03	-2.94E-03	-4.90E-04	-4.47E-03	-1.49E-04	-2.70E+00	-2.25E-02
31	366531	757679	Residential	-2.73E-01	-1.24E-05	-8.08E-04	-4.04E-03	-5.78E-02	-2.75E-04	-3.90E-03	-3.90E-05	-4.85E-03	-8.08E-03	-3.09E-03	-5.14E-04	-4.69E-03	-1.56E-04	-2.83E+00	-2.36E-02
32	366567	757773	Residential	4.90E-02	2.23E-06	-7.48E-04	-3.74E-03	-5.32E-02	-2.53E-04	-3.59E-03	-3.59E-05	-4.49E-03	-7.48E-03	-2.85E-03	-4.76E-04	-4.34E-03	-1.45E-04	-2.62E+00	-2.18E-02
33	366625	757758	Residential	5.53E-02	2.51E-06	-7.62E-04	-3.81E-03	-5.40E-02	-2.57E-04	-3.65E-03	-3.65E-05	-4.57E-03	-7.62E-03	-2.91E-03	-4.84E-04	-4.42E-03	-1.47E-04	-2.67E+00	-2.22E-02
34	366682	757744	Residential	6.13E-02	2.79E-06	-7.75E-04	-3.88E-03	-5.49E-02	-2.61E-04	-3.72E-03	-3.72E-05	-4.65E-03	-7.75E-03	-2.96E-03	-4.93E-04	-4.50E-03	-1.50E-04	-2.71E+00	-2.26E-02
35	366768	757788	Residential	-1.82E-01	-8.26E-06	-8.25E-04	-4.13E-03	-5.97E-02	-2.84E-04	-3.99E-03	-3.99E-05	-4.95E-03	-8.25E-03	-3.16E-03	-5.26E-04	-4.79E-03	-1.60E-04	-2.90E+00	-2.41E-02
36	366854	757833	Residential	-7.43E-01	-3.38E-05	-9.58E-04	-4.79E-03	-6.90E-02	-3.29E-04	-4.67E-03	-4.67E-05	-5.75E-03	-9.58E-03	-3.66E-03	-6.11E-04	-5.56E-03	-1.85E-04	-3.36E+00	-2.80E-02
37	366941	757877	Residential	-9.26E-01	-4.21E-05	-1.04E-03	-5.21E-03	-7.56E-02	-3.60E-04	-5.11E-03	-5.11E-05	-6.26E-03	-1.04E-02	-3.99E-03	-6.65E-04	-6.05E-03	-2.02E-04	-3.66E+00	-3.05E-02
38	367027	757922	Residential	-6.99E-01	-3.18E-05	-1.06E-03	-5.30E-03	-7.80E-02	-3.72E-04	-5.20E-03	-5.20E-05	-6.36E-03	-1.06E-02	-4.06E-03	-6.77E-04	-6.15E-03	-2.05E-04	-3.73E+00	-3.11E-02
39	367113	757966	Residential	9.45E-02	4.29E-06	-1.15E-03	-5.76E-03	-8.32E-02	-3.96E-04	-5.63E-03	-5.63E-05	-6.91E-03	-1.15E-02	-4.40E-03	-7.34E-04	-6.68E-03	-2.23E-04	-4.04E+00	-3.37E-02
40	367192	757916	Residential	-1.00E-01	-4.55E-06	-1.19E-03	-5.94E-03	-8.61E-02	-4.10E-04	-5.81E-03	-5.81E-05	-7.13E-03	-1.19E-02	-4.55E-03	-7.58E-04	-6.89E-03	-2.30E-04	-4.17E+00	-3.48E-02
41	367264	757916	Residential	6.24E-02	2.84E-06	-1.23E-03	-6.13E-03	-8.82E-02	-4.20E-04	-5.98E-03	-5.98E-05	-7.36E-03	-1.23E-02	-4.69E-03	-7.81E-04	-7.12E-03	-2.37E-04	-4.30E+00	-3.58E-02
42	367335	757916	Residential	2.49E-01	1.13E-05	-1.23E-03	-6.17E-03	-8.86E-02	-4.22E-04	-5.99E-03	-5.99E-05	-7.40E-03	-1.23E-02	-4.71E-03	-7.85E-04	-7.15E-03	-2.38E-04	-4.32E+00	-3.60E-02
43	367343	757966	Residential	7.60E-01	3.46E-05	-1.07E-03	-5.33E-03	-7.75E-02	-3.69E-04	-5.12E-03	-5.12E-05	-6.39E-03	-1.07E-02	-4.08E-03	-6.80E-04	-6.18E-03	-2.06E-04	-3.74E+00	-3.12E-02
44	367404	757995	Residential	9.56E-01	4.35E-05	-9.96E-04	-4.98E-03	-7.12E-02	-3.39E-04	-4.72E-03	-4.72E-05	-5.98E-03	-9.96E-03	-3.80E-03	-6.34E-04	-5.78E-03	-1.93E-04	-3.49E+00	-2.91E-02
45	367465	758024	Residential	6.96E-01	3.16E-05	-1.07E-03	-5.34E-03	-7.65E-02	-3.64E-04	-5.07E-03	-5.07E-05	-6.41E-03	-1.07E-02	-4.08E-03	-6.80E-04	-6.19E-03	-2.06E-04	-3.74E+00	-3.12E-02
55	367673	758189	Residential	-3.70E-01	-1.68E-05	-1.14E-03	-5.72E-03	-8.06E-02	-3.84E-04	-5.53E-03	-5.53E-05	-6.87E-03	-1.14E-02	-4.36E-03	-7.27E-04	-6.64E-03	-2.21E-04	-4.00E+00	-3.33E-02
59	367816	758096	Residential	-2.86E-01	-1.30E-05	-1.22E-03	-6.09E-03	-8.60E-02	-4.10E-04	-5.88E-03	-5.88E-05	-7.31E-03	-1.22E-02	-4.64E-03	-7.74E-04	-7.06E-03	-2.35E-04	-4.26E+00	-3.55E-02
60	367898	758066	Residential	-1.65E-01	-7.49E-06	-1.22E-03	-6.09E-03	-8.78E-02	-4.18E-04	-5.89E-03	-5.89E-05	-7.31E-03	-1.22E-02	-4.66E-03	-7.77E-04	-7.07E-03	-2.36E-04	-4.27E+00	-3.56E-02
61	367980	758035	Residential	-1.08E-01	-4.93E-06	-1.23E-03	-6.13E-03	-9.01E-02	-4.29E-04	-5.94E-03	-5.94E-05	-7.36E-03	-1.23E-02	-4.70E-03	-7.84E-04	-7.11E-03	-2.37E-04	-4.31E+00	-3.59E-02
62	368062	758005	Residential	-1.39E-01	-6.30E-06	-1.31E-03	-6.57E-03	-9.66E-02	-4.60E-04	-6.37E-03	-6.37E-05	-7.89E-03	-1.31E-02	-5.04E-03	-8.40E-04	-7.62E-03	-2.54E-04	-4.62E+00	-3.85E-02
63	368144	757975	Residential	-4.32E-01	-1.96E-05	-1.36E-03	-6.82E-03	-1.00E-01	-4.78E-04	-6.60E-03	-6.60E-05	-8.18E-03	-1.36E-02	-5.23E-03	-8.72E-04	-7.91E-03	-2.64E-04	-4.80E+00	-4.00E-02
64	368226	757945	Residential	-7.41E-01	-3.37E-05	-1.39E-03	-6.93E-03	-1.03E-01	-4.91E-04	-6.69E-03	-6.69E-05	-8.31E-03	-1.39E-02	-5.32E-03	-8.87E-04	-8.03E-03	-2.68E-04	-4.88E+00	-4.07E-02
65	368301	757943	Residential	-4.89E-01	-2.22E-05	-1.22E-03	-6.10E-03	-9.31E-02	-4.43E-04	-5.86E-03	-5.86E-05	-7.31E-03	-1.22E-02	-4.70E-03	-7.83E-04	-7.07E-03	-2.36E-04	-4.31E+00	-3.59E-02
66	368376	757941	Residential	3.58E-02	1.63E-06	-1.11E-03	-5.53E-03	-8.55E-02	-4.07E-04	-5.27E-03	-5.27E-05	-6.64E-03	-1.11E-02	-4.27E-03	-7.12E-04	-6.42E-03	-2.14E-04	-3.92E+00	-3.26E-02
67	368452	757940	Residential	7.88E-01	3.58E-05	-9.95E-04	-4.98E-03	-7.69E-02	-3.66E-04	-4.70E-03	-4.70E-05	-5.97E-03	-9.95E-03	-3.84E-03	-6.40E-04	-5.77E-03	-1.92E-04	-3.52E+00	-2.94E-02
68	368527	757938	Residential	1.64E-01	7.45E-06	-1.05E-03	-5.26E-03	-7.95E-02	-3.78E-04	-4.97E-03	-4.97E-05	-6.31E-03	-1.05E-02	-4.05E-03	-6.74E-04	-6.10E-03	-2.03E-04	-3.71E+00	-3.09E-02
69	368563	757880	Residential	5.68E-01	2.58E-05	-1.00E-03	-5.00E-03	-7.58E-02	-3.61E-04	-4.67E-03	-4.67E-05	-6.01E-03	-1.00E-02	-3.85E-03	-6.42E-04	-5.81E-03	-1.94E-04	-3.53E+00	-2.94E-02
70	368636	757926	Residential	-5.15E-01	-2.34E-05	-1.62E-03	-8.10E-03	-1.16E-01	-5.51E-04	-7.82E-03	-7.82E-05	-9.72E-03	-1.62E-02	-6.18E-03	-1.03E-03	-9.39E-03	-3.13E-04	-5.67E+00	-4.73E-02
71	368709	757971	Residential	-4.81E+00	-2.18E-04	-3.58E-03	-1.79E-02	-2.55E-01	-1.22E-03	-1.79E-02	-1.79E-04	-2.15E-02	-3.58E-02	-1.37E-02	-2.28E-03	-2.08E-02	-6.93E-04	-1.25E+01	-1.05E-01
72	368782	758017	Residential	-5.27E+00	-2.39E-04	-3.88E-03	-1.94E-02	-2.71E-01	-1.29E-03	-1.93E-02	-1.93E-04	-2.33E-02	-3.88E-02	-1.48E-02	-2.46E-03	-2.25E-02	-7.50E-04	-1.36E+01	-1.13E-01
73	368855	758062	Residential	-2.26E+00	-1.03E-04	-2.10E-03	-1.05E-02	-1.42E-01	-6.77E-04	-1.02E-02	-1.02E-04	-1.26E-02	-2.10E-02	-7.97E-03	-1.33E-03	-1.22E-02	-4.07E-04	-7.31E+00	-6.09E-02
74	368928	758108	Residential	-1.24E+00	-5.65E-05	-1.35E-03	-6.77E-03	-9.66E-02	-4.60E-04	-6.61E-03	-6.61E-05	-8.13E-03	-1.35E-02	-5.17E-03	-8.62E-04	-7.86E-03	-2.62E-04	-4.74E+00	-3.95E-02
75	369001	758153	Residential	-3.53E-01	-1.61E-05	-1.53E-03	-7.65E-03	-1.10E-01	-5.22E-04	-7.56E-03	-7.56E-05	-9.18E-03	-1.53E-02	-5.84E-03	-9.74E-04	-8.87E-03	-2.96E-04	-5.36E+00	-4.47E-02
76	369058	758074	Residential	-5.40E-01	-2.45E-05	-1.69E-03	-8.45E-03	-1.22E-01	-5.81E-04	-8.39E-03	-8.39E-05	-1.01E-02	-1.69E-02	-6.46E-03	-1.08E-03	-9.80E-03	-3.27E-04	-5.93E+00	-4.94E-02
77	369102	758103	Residential	-1.54E+00	-7.00E-05	-1.76E-03	-8.81E-03	-1.23E-01	-5.84E-04	-8.68E-03	-8.68E-05	-1.06E-02	-1.76E-02	-6.70E-03	-1.12E-03	-1.02E-02	-3.41E-04	-6.15E+00	-5.13E-02
78	369145	758132	Residential	-1.20E+00	-5.46E-05	-2.08E-03	-1.04E-02	-1.42E-01	-6.78E-04	-1.02E-02	-1.02E-04	-1.25E-02	-2.08E-02	-7.91E-03	-1.32E-03	-1.21E-02	-4.03E-04	-7.25E+00	-6.04E-02
79	369200	758065	Residential	-4.12E-01	-1.87E-05	-2.15E-03	-1.07E-02	-1.45E-01	-6.91E-04	-1.05E-02	-1.05E-04	-1.29E-02	-2.15E-02	-8.15E-03	-1.36E-03	-1.25E-02	-4.16E-04	-7.47E+00	-6.23E-02
80	369255	757998	Residential	5.23E-01	2.38E-05	-2.23E-03	-1.11E-02	-1.51E-01	-7.21E-04	-1.08E-02	-1.08E-04	-1.34E-02	-2.23E-02	-8.45E-03	-1.41E-03	-1.29E-02	-4.30E-04	-7.75E+00	-6.46E-02
81	369310	757931	Residential	2.77E-01	1.26E-05	-2.40E-03	-1.20E-02	-1.64E-01	-7.81E-04	-1.16E-02	-1.16E-04	-1.44E-02	-2.40E-02	-9.12E-03	-1.52E-03	-1.39E-02	-4.64E-04	-8.37E+00	-6.97E-02
82	369356	757981	Residential	5.37E-01	2.44E-05	-2.08E-03	-1.04E-02	-1.40E-01	-6.68E-04	-1.00E-02	-1.00E-04	-1.25E-02	-2.08E-02	-7.89E-03	-1.31E-03	-1.21E-02	-4.02E-04	-7.24E+00	-6.03E-02
83	369403	758031	Residential	1.06E+00	4.82E-05	-2.10E-03	-1.05E-02	-1.45E-01	-6.88E-04	-1.02E-02	-1.02E-04	-1.26E-02	-2.10E-02	-7.96E-03	-1.33E-03	-1.22E-02	-4.05E-04	-7.31E+00	-6.09E-02
92	369389	758634	Residential	-7.43E-01	-3.38E-05	-1.47E-03	-7.33E-03	-1.02E-01	-4.85E-04	-7.17E-03	-7.17E-05	-8.79E-03	-1.47E-02	-5.58E-03	-9.30E-04	-8.50E-03	-2.83E-04	-5.12E+00	-4.26E-02
93	369469	758630	Residential	-2.69E+00	-1.22E-04	-3.14E-03	-1.57E-02	-2.20E-01	-1.05E-03	-1.57E-02	-1.57E-04	-1.89E-02	-3.14E-02	-1.20E-02	-1.99E-03	-1.82E-02	-6.07E-04	-1.10E+01	-9.15E-02
94	369549	758625	Residential	-3.72E+00	-1.69E-04	-3.56E-03	-1.78E-02	-2.48E-01	-1.18E-03	-1.79E-02	-1.79E-04	-2.13E-02	-3.56E-02	-1.35E-02	-2.26E-03	-2.06E-02	-6.87E-04	-1.24E+01	-1.03E-01
95	369630	758621	Residential	-3.23E+00	-1.47E-04	-2.30E-03	-1.15E-02	-1.60E-01	-7.60E-04	-1.15E-02	-1.15E-04	-1.38E-02	-2.30E-02	-8.74E-03	-1.46E-03	-1.33E-02	-4.44E-04	-8.02E+00	-6.68E-02

Table 3-1B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 1, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m^3)	xylene, total Acute Hazard	arsenic (µg/m^3)	arsenic Acute Hazard	chlorine (µg/m^3)	chlorine Acute Hazard	copper (µg/m^3)	copper Acute Hazard	mercury (µg/m^3)	mercury Acute Hazard	nickel (µg/m^3)	nickel Acute Hazard	vanadium (µg/m^3)	vanadium Acute Hazard	sulfates (µg/m^3)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
96	369710	758617	Residential	-1.37E+00	-6.22E-05	-1.84E-03	-9.22E-03	-1.30E-01	-6.20E-04	-9.22E-03	-9.22E-05	-1.11E-02	-1.84E-02	-7.03E-03	-1.17E-03	-1.07E-02	-3.57E-04	-6.45E+00	-5.38E-02
97	369791	758613	Residential	-6.06E-01	-2.75E-05	-2.40E-03	-1.20E-02	-1.69E-01	-8.07E-04	-1.21E-02	-1.21E-04	-1.44E-02	-2.40E-02	-9.16E-03	-1.53E-03	-1.39E-02	-4.65E-04	-8.40E+00	-7.00E-02
98	369791	758514	Residential	-4.91E-01	-2.23E-05	-2.31E-03	-1.16E-02	-1.63E-01	-7.75E-04	-1.16E-02	-1.16E-04	-1.39E-02	-2.31E-02	-8.82E-03	-1.47E-03	-1.34E-02	-4.48E-04	-8.09E+00	-6.74E-02
99	369791	758416	Residential	-2.84E-01	-1.29E-05	-2.18E-03	-1.09E-02	-1.54E-01	-7.32E-04	-1.10E-02	-1.10E-04	-1.31E-02	-2.18E-02	-8.31E-03	-1.38E-03	-1.26E-02	-4.21E-04	-7.62E+00	-6.35E-02
100	369791	758318	Residential	-5.75E-01	-2.61E-05	-2.14E-03	-1.07E-02	-1.51E-01	-7.17E-04	-1.08E-02	-1.08E-04	-1.28E-02	-2.14E-02	-8.16E-03	-1.36E-03	-1.24E-02	-4.14E-04	-7.49E+00	-6.24E-02
101	369881	758318	Residential	-1.50E+00	-6.81E-05	-2.79E-03	-1.39E-02	-1.96E-01	-9.33E-04	-1.41E-02	-1.41E-04	-1.67E-02	-2.79E-02	-1.06E-02	-1.77E-03	-1.62E-02	-5.39E-04	-9.75E+00	-8.12E-02
102	369972	758318	Residential	-2.39E+00	-1.08E-04	-2.80E-03	-1.40E-02	-1.99E-01	-9.47E-04	-1.42E-02	-1.42E-04	-1.68E-02	-2.80E-02	-1.07E-02	-1.78E-03	-1.63E-02	-5.42E-04	-9.81E+00	-8.18E-02
103	370062	758318	Residential	-2.90E+00	-1.32E-04	-2.05E-03	-1.03E-02	-1.48E-01	-7.06E-04	-1.04E-02	-1.04E-04	-1.23E-02	-2.05E-02	-7.85E-03	-1.31E-03	-1.19E-02	-3.97E-04	-7.20E+00	-6.00E-02
104	370153	758318	Residential	-3.23E+00	-1.47E-04	-1.93E-03	-9.67E-03	-1.38E-01	-6.57E-04	-9.73E-03	-9.73E-05	-1.16E-02	-1.93E-02	-7.39E-03	-1.23E-03	-1.12E-02	-3.74E-04	-6.77E+00	-5.65E-02
105	370243	758318	Residential	-3.56E+00	-1.62E-04	-2.55E-03	-1.27E-02	-1.78E-01	-8.46E-04	-1.28E-02	-1.28E-04	-1.53E-02	-2.55E-02	-9.70E-03	-1.62E-03	-1.48E-02	-4.93E-04	-8.90E+00	-7.41E-02
111	370408	758347	Residential	-4.84E+00	-2.20E-04	-3.77E-03	-1.88E-02	-2.66E-01	-1.27E-03	-1.91E-02	-1.91E-04	-2.26E-02	-3.77E-02	-1.44E-02	-2.39E-03	-2.18E-02	-7.28E-04	-1.32E+01	-1.10E-01
112	370490	758344	Residential	-4.82E+00	-2.19E-04	-3.25E-03	-1.63E-02	-2.32E-01	-1.11E-03	-1.65E-02	-1.65E-04	-1.95E-02	-3.25E-02	-1.24E-02	-2.07E-03	-1.89E-02	-6.29E-04	-1.14E+01	-9.49E-02
113	370572	758341	Residential	-5.60E+00	-2.54E-04	-2.90E-03	-1.45E-02	-2.02E-01	-9.64E-04	-1.46E-02	-1.46E-04	-1.74E-02	-2.90E-02	-1.10E-02	-1.84E-03	-1.68E-02	-5.61E-04	-1.01E+01	-8.44E-02
114	370654	758338	Residential	-5.66E+00	-2.57E-04	-2.91E-03	-1.45E-02	-2.07E-01	-9.86E-04	-1.46E-02	-1.46E-04	-1.74E-02	-2.91E-02	-1.11E-02	-1.85E-03	-1.69E-02	-5.62E-04	-1.02E+01	-8.48E-02
115	370735	758335	Residential	-4.18E+00	-1.90E-04	-2.43E-03	-1.21E-02	-1.75E-01	-8.32E-04	-1.22E-02	-1.22E-04	-1.46E-02	-2.43E-02	-9.28E-03	-1.55E-03	-1.41E-02	-4.69E-04	-8.51E+00	-7.09E-02
116	370817	758333	Residential	-2.54E+00	-1.16E-04	-1.62E-03	-8.11E-03	-1.14E-01	-5.44E-04	-8.03E-03	-8.03E-05	-9.74E-03	-1.62E-02	-6.19E-03	-1.03E-03	-9.41E-03	-3.14E-04	-5.67E+00	-4.73E-02
130	371183	758027	Residential	1.10E-02	4.99E-07	-1.85E-03	-9.27E-03	-1.29E-01	-6.13E-04	-8.87E-03	-8.87E-05	-1.11E-02	-1.85E-02	-7.06E-03	-1.18E-03	-1.08E-02	-3.59E-04	-6.47E+00	-5.39E-02
131	371248	758024	Residential	-4.73E-01	-2.15E-05	-1.82E-03	-9.11E-03	-1.28E-01	-6.09E-04	-8.72E-03	-8.72E-05	-1.09E-02	-1.82E-02	-6.94E-03	-1.16E-03	-1.06E-02	-3.52E-04	-6.37E+00	-5.31E-02
132	371326	758075	Residential	-4.24E-01	-1.93E-05	-1.79E-03	-8.96E-03	-1.20E-01	-5.72E-04	-8.57E-03	-8.57E-05	-1.07E-02	-1.79E-02	-6.78E-03	-1.13E-03	-1.04E-02	-3.46E-04	-6.22E+00	-5.19E-02
133	371404	758127	Residential	-6.14E-02	-2.79E-06	-1.59E-03	-7.97E-03	-1.06E-01	-5.07E-04	-7.64E-03	-7.64E-05	-9.57E-03	-1.59E-02	-6.04E-03	-1.01E-03	-9.25E-03	-3.08E-04	-5.54E+00	-4.61E-02
134	371481	758178	Residential	2.61E-02	1.19E-06	-1.43E-03	-7.13E-03	-9.51E-02	-4.53E-04	-6.83E-03	-6.83E-05	-8.55E-03	-1.43E-02	-5.39E-03	-8.99E-04	-8.27E-03	-2.76E-04	-4.95E+00	-4.12E-02
135	371559	758230	Residential	1.39E-01	6.31E-06	-1.37E-03	-6.85E-03	-8.66E-02	-4.12E-04	-6.55E-03	-6.55E-05	-8.22E-03	-1.37E-02	-5.15E-03	-8.59E-04	-7.95E-03	-2.65E-04	-4.73E+00	-3.94E-02
136	371637	758281	Residential	2.58E-01	1.17E-05	-1.33E-03	-6.66E-03	-7.77E-02	-3.70E-04	-6.34E-03	-6.34E-05	-8.00E-03	-1.33E-02	-4.97E-03	-8.28E-04	-7.73E-03	-2.58E-04	-4.56E+00	-3.80E-02
137	371715	758333	Residential	3.86E-01	1.75E-05	-1.25E-03	-6.23E-03	-7.35E-02	-3.50E-04	-5.92E-03	-5.92E-05	-7.47E-03	-1.25E-02	-4.64E-03	-7.74E-04	-7.22E-03	-2.41E-04	-4.26E+00	-3.55E-02
138	371769	758261	Residential	8.60E-01	3.91E-05	-1.20E-03	-6.02E-03	-7.39E-02	-3.52E-04	-5.75E-03	-5.75E-05	-7.22E-03	-1.20E-02	-4.51E-03	-7.51E-04	-6.98E-03	-2.33E-04	-4.14E+00	-3.45E-02
139	371822	758189	Residential	-5.13E-01	-2.33E-05	-9.26E-04	-4.63E-03	-6.61E-02	-3.15E-04	-4.42E-03	-4.42E-05	-5.56E-03	-9.26E-03	-3.54E-03	-5.90E-04	-5.37E-03	-1.79E-04	-3.24E+00	-2.70E-02
140	371894	758160	Residential	-1.56E+00	-7.09E-05	-1.11E-03	-5.53E-03	-9.74E-02	-4.64E-04	-5.49E-03	-5.49E-05	-6.64E-03	-1.11E-02	-4.36E-03	-7.26E-04	-6.42E-03	-2.14E-04	-3.99E+00	-3.33E-02
141	371894	758081	Residential	-2.89E+00	-1.31E-04	-1.24E-03	-6.21E-03	-1.13E-01	-5.37E-04	-6.17E-03	-6.17E-05	-7.45E-03	-1.24E-02	-4.92E-03	-8.19E-04	-7.20E-03	-2.40E-04	-4.51E+00	-3.75E-02
142	371959	758074	Residential	-2.69E+00	-1.22E-04	-1.35E-03	-6.75E-03	-1.04E-01	-4.95E-04	-6.56E-03	-6.56E-05	-8.10E-03	-1.35E-02	-5.21E-03	-8.68E-04	-7.83E-03	-2.61E-04	-4.78E+00	-3.98E-02
155	372055	757363	Residential	-1.84E+00	-8.37E-05	-1.19E-03	-5.97E-03	-1.11E-01	-5.27E-04	-5.97E-03	-5.97E-05	-7.16E-03	-1.19E-02	-4.74E-03	-7.90E-04	-6.92E-03	-2.31E-04	-4.34E+00	-3.62E-02
297	370239	755427	Residential	1.37E+00	6.21E-05	-3.31E-03	-1.66E-02	-2.30E-01	-1.10E-03	-1.60E-02	-1.60E-04	-1.99E-02	-3.31E-02	-1.26E-02	-2.10E-03	-1.92E-02	-6.41E-04	-1.16E+01	-9.64E-02
298	370138	755427	Residential	3.26E+00	1.48E-04	-3.27E-03	-1.64E-02	-2.22E-01	-1.06E-03	-1.56E-02	-1.56E-04	-1.96E-02	-3.27E-02	-1.24E-02	-2.07E-03	-1.90E-02	-6.33E-04	-1.14E+01	-9.49E-02
299	370040	755427	Residential	-4.32E+00	-1.96E-04	-2.79E-03	-1.40E-02	-1.92E-01	-9.14E-04	-1.34E-02	-1.34E-04	-1.67E-02	-2.79E-02	-1.06E-02	-1.77E-03	-1.62E-02	-5.40E-04	-9.73E+00	-8.11E-02
300	369941	755426	Residential	-3.02E+00	-1.37E-04	-3.47E-03	-1.74E-02	-2.41E-01	-1.15E-03	-1.72E-02	-1.72E-04	-2.08E-02	-3.47E-02	-1.32E-02	-2.20E-03	-2.01E-02	-6.72E-04	-1.21E+01	-1.01E-01
301	369842	755426	Residential	-2.19E+00	-9.95E-05	-2.59E-03	-1.30E-02	-1.84E-01	-8.74E-04	-1.27E-02	-1.27E-04	-1.56E-02	-2.59E-02	-9.89E-03	-1.65E-03	-1.50E-02	-5.01E-04	-9.07E+00	-7.56E-02
304	369544	755434	Residential	-4.76E+00	-2.16E-04	-3.24E-03	-1.62E-02	-2.32E-01	-1.11E-03	-1.62E-02	-1.62E-04	-1.94E-02	-3.24E-02	-1.24E-02	-2.06E-03	-1.88E-02	-6.26E-04	-1.13E+01	-9.45E-02
305	369445	755434	Residential	-2.81E+00	-1.28E-04	-2.89E-03	-1.45E-02	-2.05E-01	-9.76E-04	-1.45E-02	-1.45E-04	-1.73E-02	-2.89E-02	-1.10E-02	-1.84E-03	-1.68E-02	-5.59E-04	-1.01E+01	-8.43E-02
306	369346	755434	Residential	-2.25E+00	-1.02E-04	-3.40E-03	-1.70E-02	-2.37E-01	-1.13E-03	-1.70E-02	-1.70E-04	-2.04E-02	-3.40E-02	-1.30E-02	-2.16E-03	-1.97E-02	-6.58E-04	-1.19E+01	-9.90E-02
310	368953	755441	Residential	-1.96E+00	-8.89E-05	-1.63E-03	-8.13E-03	-1.12E-01	-5.34E-04	-7.98E-03	-7.98E-05	-9.75E-03	-1.63E-02	-6.18E-03	-1.03E-03	-9.43E-03	-3.14E-04	-5.67E+00	-4.72E-02
311	368854	755441	Residential	-2.25E+00	-1.02E-04	-2.23E-03	-1.11E-02	-1.56E-01	-7.44E-04	-1.11E-02	-1.11E-04	-1.34E-02	-2.23E-02	-8.48E-03	-1.41E-03	-1.29E-02	-4.30E-04	-7.78E+00	-6.48E-02
312	368755	755441	Residential	-2.17E+00	-9.87E-05	-2.04E-03	-1.02E-02	-1.44E-01	-6.84E-04	-1.00E-02	-1.00E-04	-1.22E-02	-2.04E-02	-7.77E-03	-1.30E-03	-1.18E-02	-3.94E-04	-7.13E+00	-5.94E-02
313	368657	755441	Residential	-1.69E+00	-7.70E-05	-1.76E-03	-8.82E-03	-1.25E-01	-5.93E-04	-8.69E-03	-8.69E-05	-1.06E-02	-1.76E-02	-6.72E-03	-1.12E-03	-1.02E-02	-3.41E-04	-6.17E+00	-5.14E-02
314	368558	755440	Residential	-1.61E+00	-7.32E-05	-1.46E-03	-7.31E-03	-1.04E-01	-4.93E-04	-7.14E-03	-7.14E-05	-8.77E-03	-1.46E-02	-5.58E-03	-9.30E-04	-8.48E-03	-2.83E-04	-5.12E+00	-4.26E-02
315	368459	755440	Residential	-5.70E-01	-2.59E-05	-1.14E-03	-5.69E-03	-8.05E-02	-3.83E-04	-5.47E-03	-5.47E-05	-6.83E-03	-1.14E-02	-4.34E-03	-7.23E-04	-6.60E-03	-2.20E-04	-3.98E+00	-3.32E-02
316	368360	755440	Residential	-1.92E-01	-8.71E-06	-8.11E-04	-4.06E-03	-5.59E-02	-2.66E-04	-3.79E-03	-3.79E-05	-4.87E-03	-8.11E-03	-3.08E-03	-5.14E-04	-4.71E-03	-1.57E-04	-2.83E+00	-2.36E-02
317	368262	755439	Residential	-1.56E-01	-7.07E-06	-1.18E-03	-5.91E-03	-8.38E-02	-3.99E-04	-5.72E-03	-5.72E-05	-7.09E-03	-1.18E-02	-4.51E-03	-7.51E-04	-6.85E-03	-2.28E-04	-4.13E+00	-3.44E-02
318	368186	755427	Residential	-2.39E-01	-1.08E-05	-1.36E-03	-6.79E-03	-9.70E-02	-4.62E-04	-6.65E-03	-6.65E-05	-8.15E-03	-1.36E-02	-5.19E-03	-8.65E-04	-7.88E-03	-2.63E-04	-4.76E+00	-3.96E-02
319	368111	755414	Residential	-2.83E-01	-1.29E-05	-1.48E-03	-7.41E-03	-1.06E-01	-5.05E-04	-7.31E-03	-7.31E-05	-8.89E-03	-1.48E-02	-5.66E-03	-9.43E-04	-8.60E-03	-2.87E-04	-5.19E+00	-4.33E-02
46	367504	757948	School	1.02E+00	4.62E-05	-1.03E-03	-5.13E-03	-7.35E-02	-3.50E-04	-4.86E-03	-4.86E-05	-6.16E-03	-1.03E-02	-3.92E-03	-6.53E-04	-5.95E-03	-1.98E-04	-3.60E+00	-3.00E-02
47	367544	757873	School	4.17E-01	1.90E-05	-1.18E-03	-5.92E-03	-8.72E-02	-4.15E-04	-5.71E-03	-5.71E-05	-7.11E-03	-1.18E-02	-4.54E-03	-7.57E-04	-6.87E-03	-2.29E-04	-4.17E+00	-3.47E-02
48	367587	757909	School	9.81E-01	4.46E-05	-1.10E-03	-5.49E-03	-7.94E-02	-3.78E-04	-5.22E-03	-5.22E-05	-6.59E-03	-1.10E-02	-4.20E-03	-7.00E-04	-6.37E-03	-2.12E-04	-3.85E+00	-3.21E-02
49	367623	757866	School	6.05E-01	2.75E-05	-1.17E-03	-5.87E-03	-8.63E-02	-4.11E-04	-5.63E-03	-5.63E-05	-7.05E-03	-1.17E-02	-4.50E-03	-7.50E-04	-6.81E-03	-2.27E-04	-4.13E+00	-3.44E-02
50	367694	757866	School	8.67E-01	3.94E-05	-1.17E-03	-5.86E-03	-8.53E-02	-4.06E-04	-5.58E-03	-5.58E-05	-7.03E-03	-1.17E-02	-4.49E-03	-7.48E-04	-6.80E-03	-2.27E-04	-4.12E+00	-3.43E-02
51	367716	757927	School	5.55E-01	2.52E-05	-1.19E-03	-5.95E-03	-8.55E-02	-4.07E-04	-5.65E-03	-5.65E-05	-7.15E-03	-1.19E-02	-4.55E-03	-7.58E-04	-6.91E-03	-2.30E-04	-4.17E+00	-3.48E-02
52	367737	757988	School	-1.53E-01	-6.97E-06	-1.21E-03	-6.03E-03	-8.42E-02	-4.01E-04	-5.73E-03	-5.73E-05	-7.23E-03	-1.21E-02	-4.59E-03	-7.65E-04	-6.99E-03	-2.33E-04	-4.21E+00	-3.51E-02
53	367727	758067	School	-7.34E-01	-3.34E-05	-1.18E-03	-5.88E-03	-8.14E-02	-3.88E-04	-5.61E-03	-5.61E-05	-7.05E-03	-1.18E-02	-4.47E-03	-7.45E-04	-6.82E-03	-2.27E-04	-4.10E+00	-3.42E-02
54	367716	758146	School	-4.09E-01	-1.86E-05	-1.19E-03	-5.97E-03	-8.31E-02	-3.96E-04	-5.76E-03	-5.76E-05	-7.16E-03	-1.19E-02	-4.54E-03	-7.57E-04	-6.93E-03	-2.31E-04	-4.17E+00	-3.47E-02
56	367723	758254	School	4.31E-02	1.96E-06	-9.47E-04	-4.73E-03	-6.98E-02	-3.32E-04	-4.56E-03	-4.56E-05	-5.68E-03	-9.47E-03	-3.63E-03	-6.05E-04	-5.49E-03	-1.83E-04	-3.33E+00	-2.78E-02
57	367784	758221	School	-2.80E-02	-1.27E-06	-9.86E-04	-4.93E-03	-7.21E-02	-3.43E-04	-4.74E-03	-4.74E-05	-5.91E-03	-9.86E-03	-3.78E-03	-6.29E-04	-5.72E-03	-1.91E-04	-3.46E+00	-2.89E-02
58	367845	758189	School	-1.50E-01	-6.80E-06	-1.02E-03	-5.12E-03	-7.46E-02	-3.55E-04	-4.91E-03	-4.91E-05	-6.14E-03	-1.02E-02	-3.92E-03	-6.53E-04	-5.94E-03	-1.98E-04	-3.59E+00	-3.00E-02
106	370247	758254	School	-3.62E+00	-1.65E-04	-2.83E-03	-1.42E-02	-1.99E-01	-9.46E-04	-1.43E-02	-1.43E-04	-1.70E-02	-2.83E-02	-1.08E-02	-1.80E-03	-1.64E-02	-5.48E-04	-9.90E+00	-8.25E-02
107	370250	758189	School	-3.93E+00	-1.79E-04	-3.17E-03	-1.59E-02	-2.24E-01	-1.06E-03	-1.60E-02	-1.60E-04	-1.90E-02	-3.17E-02	-1.21E-02	-2.02E-03	-1.84E-02	-6.14E-04	-1.11E+01	-9.25E-02
108	370308	758196	School	-3.42E+00	-1.55E-04	-3.96E-03	-1.98E-02	-2.79E-01	-1.33E-03	-2.00E-02	-2.00E-04	-2.38E-02	-3.96E-02	-1.51E-02	-2.52E-03	-2.30E-02	-7.66E-04	-1.39E+01	-1.15E-01
109	370361	758236	School	-4.43E+00	-2.01E-04	-4.16E-03	-2.08E-02	-2.93E-01	-1.40E-03	-2.10E-02	-2.10E-04	-2.50E-02	-4.16E-02	-1.59E-02	-2.65E-03	-2.42E-02	-8.05E-04	-1.46E+01	-1.21E-01
110	370415	758275	School	-5.19E+00	-2.36E-04	-3.81E-03	-1.91E-02	-2.69E-01	-1.28E-03	-1.93E-02	-1.93E-04	-2.29E-02	-3.81E-02	-1.45E-02	-2.42E-03	-2.21E-02	-7.37E-04	-1.33E+01	-1.11E-01

Table 3-1B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 1, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total ($\mu g/m^3$)	xylene, total Acute Hazard	arsenic ($\mu g/m^3$)	arsenic Acute Hazard	chlorine ($\mu g/m^3$)	chlorine Acute Hazard	copper ($\mu g/m^3$)	copper Acute Hazard	mercury ($\mu g/m^3$)	mercury Acute Hazard	nickel ($\mu g/m^3$)	nickel Acute Hazard	vanadium ($\mu g/m^3$)	vanadium Acute Hazard	sulfates ($\mu g/m^3$)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
302	369741	755435	School	-5.67E+00	-2.58E-04	-1.34E-03	-6.71E-03	-9.59E-02	-4.57E-04	-6.43E-03	-6.43E-05	-8.06E-03	-1.34E-02	-5.13E-03	-8.55E-04	-7.79E-03	-2.60E-04	-4.70E+00	-3.92E-02
303	369643	755434	School	-1.76E+00	-8.02E-05	-1.39E-03	-6.97E-03	-1.02E-01	-4.83E-04	-6.81E-03	-6.81E-05	-8.36E-03	-1.39E-02	-5.33E-03	-8.89E-04	-8.08E-03	-2.69E-04	-4.89E+00	-4.08E-02

Note: Shaded cells indicate locations where concentrations were highest within each land use category.

Table 3-2A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite and Offsite Receptors - Alternative 2, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Location	acetaldehyde (µg/m³)	acrolein (µg/m³)	benzene (µg/m³)	formaldehyde (µg/m³)	methyl alcohol (µg/m³)	methyl ethyl ketone (µg/m³)	phenol (carbolic acid) (µg/m³)	styrene (µg/m³)	toluene (µg/m³)	xylene, total (µg/m³)	arsenic (µg/m³)	chlorine (µg/m³)	copper (µg/m³)	mercury (µg/m³)	nickel (µg/m³)	vanadium (µg/m³)	sulfates (µg/m³)
Commercial - Onsite																	
Maximum Onsite Concentration-->	-1.05E-01	2.86E+00	-5.94E+00	3.23E+00	1.94E+00	-1.03E+00	8.83E-01	5.24E-02	-1.22E+01	-1.09E+01	-3.80E-03	-2.44E-01	-1.88E-02	-2.28E-02	-1.43E-02	-2.21E-02	-1.31E+01
Commercial - Offsite																	
Maximum Offsite Concentration-->	6.46E+00	4.28E+00	1.15E+01	2.07E+01	3.20E+00	-3.99E-02	1.29E+00	8.32E-01	1.44E+01	1.36E+01	3.16E-03	2.51E-01	1.73E-02	1.89E-02	1.22E-02	1.83E-02	1.12E+01
Average Offsite Concentration-->	2.34E+00	2.00E+00	2.16E-01	7.74E+00	1.45E+00	-2.32E-01	6.02E-01	2.06E-01	-1.55E+00	-1.37E+00	-1.59E-03	-1.12E-01	-7.74E-03	-9.55E-03	-6.07E-03	-9.23E-03	-5.57E+00
Minimum Offsite Concentration-->	-6.51E-01	8.39E-01	-3.81E+00	1.14E+00	6.21E-01	-6.83E-01	2.55E-01	-1.17E-03	-9.11E+00	-7.95E+00	-1.08E-02	-7.50E-01	-5.46E-02	-6.46E-02	-4.10E-02	-6.25E-02	-3.76E+01
Recreational																	
Maximum Offsite Concentration-->	4.43E+00	2.95E+00	1.38E+00	1.33E+01	2.16E+00	-9.51E-02	8.82E-01	3.38E-01	2.17E-01	2.36E-01	-3.86E-04	-2.55E-02	-1.73E-03	-2.32E-03	-1.46E-03	-2.24E-03	-1.34E+00
Average Offsite Concentration-->	2.84E+00	2.03E+00	7.71E-01	8.77E+00	1.49E+00	-1.42E-01	6.07E-01	2.31E-01	-6.22E-01	-5.79E-01	-7.06E-04	-4.71E-02	-3.29E-03	-4.23E-03	-2.67E-03	-4.09E-03	-2.45E+00
Minimum Offsite Concentration-->	9.58E-02	4.87E-01	-8.40E-01	8.10E-01	3.45E-01	-1.97E-01	1.51E-01	2.88E-02	-2.65E+00	-2.46E+00	-1.39E-03	-9.09E-02	-6.66E-03	-8.34E-03	-5.25E-03	-8.07E-03	-4.82E+00
Residential																	
Maximum Offsite Concentration-->	7.63E+00	4.99E+00	2.79E+00	2.27E+01	3.64E+00	-1.11E-01	1.49E+00	5.58E-01	1.27E+00	1.16E+00	-2.71E-04	-1.17E-02	-7.60E-04	-1.62E-03	-9.79E-04	-1.57E-03	-8.99E-01
Average Offsite Concentration-->	3.30E+00	2.45E+00	4.21E-01	1.02E+01	1.78E+00	-1.98E-01	7.34E-01	2.59E-01	-1.53E+00	-1.43E+00	-1.47E-03	-1.03E-01	-7.13E-03	-8.79E-03	-5.58E-03	-8.50E-03	-5.12E+00
Minimum Offsite Concentration-->	-1.06E+00	-6.00E-02	-3.16E+00	-2.45E+00	-8.35E-02	-4.50E-01	-1.02E-02	-9.98E-02	-6.27E+00	-5.87E+00	-4.45E-03	-3.10E-01	-2.20E-02	-2.67E-02	-1.69E-02	-2.58E-02	-1.55E+01
School																	
Maximum Offsite Concentration-->	8.83E+00	5.55E+00	3.27E+00	2.61E+01	4.08E+00	-1.50E-01	1.65E+00	6.78E-01	4.20E-01	1.97E-01	-4.23E-04	-2.87E-02	-1.60E-03	-2.54E-03	-1.60E-03	-2.45E-03	-1.47E+00
Average Offsite Concentration-->	4.66E+00	3.22E+00	8.28E-01	1.41E+01	2.35E+00	-1.94E-01	9.63E-01	3.52E-01	-1.51E+00	-1.47E+00	-1.64E-03	-1.19E-01	-8.05E-03	-9.85E-03	-6.28E-03	-9.52E-03	-5.76E+00
Minimum Offsite Concentration-->	2.49E-01	9.00E-01	-3.16E+00	1.43E+00	5.73E-01	-2.69E-01	2.77E-01	-3.54E-02	-5.85E+00	-5.39E+00	-3.84E-03	-2.71E-01	-1.94E-02	-2.31E-02	-1.47E-02	-2.23E-02	-1.34E+01
CalEPA Acute REL	470	2.5	1300	55	28000	13000	5800	21000	37000	22000	0.2	210	100	0.6	6	30	120
Commercial - Onsite																	
Onsite Maximum Acute Hazard-->	-2.23E-04	1.14E+00	-4.57E-03	5.87E-02	6.94E-05	-7.95E-05	1.52E-04	2.50E-06	-3.29E-04	-4.97E-04	-1.90E-02	-1.16E-03	-1.88E-04	-3.80E-02	-2.39E-03	-7.35E-04	-1.10E-01
Commercial - Offsite																	
Offsite Maximum Acute Hazard-->	1.37E-02	1.71E+00	8.86E-03	3.77E-01	1.14E-04	-3.07E-06	2.22E-04	3.96E-05	3.89E-04	6.18E-04	1.58E-02	1.19E-03	1.73E-04	3.16E-02	2.04E-03	6.10E-04	9.35E-02
Offsite Average Acute Hazard-->	4.97E-03	7.98E-01	1.66E-04	1.41E-01	5.19E-05	-1.78E-05	1.04E-04	9.82E-06	-4.18E-05	-6.24E-05	-7.96E-03	-5.35E-04	-7.74E-05	-1.59E-02	-1.01E-03	-3.08E-04	-4.64E-02
Offsite Minimum Acute Hazard-->	-1.39E-03	3.35E-01	-2.93E-03	2.07E-02	2.22E-05	-5.25E-05	4.39E-05	-5.56E-08	-2.46E-04	-3.61E-04	-5.38E-02	-3.57E-03	-5.46E-04	-1.08E-01	-6.83E-03	-2.08E-03	-3.13E-01
Recreational																	
Offsite Maximum Acute Hazard-->	9.42E-03	1.18E+00	1.06E-03	2.41E-01	7.72E-05	-7.31E-06	1.52E-04	1.61E-05	5.86E-06	1.07E-05	-1.93E-03	-1.21E-04	-1.73E-05	-3.86E-03	-2.43E-04	-7.47E-05	-1.12E-02
Offsite Average Acute Hazard-->	6.04E-03	8.10E-01	5.93E-04	1.59E-01	5.30E-05	-1.09E-05	1.05E-04	1.10E-05	-1.68E-05	-2.63E-05	-3.53E-03	-2.24E-04	-3.29E-05	-7.06E-03	-4.45E-04	-1.36E-04	-2.04E-02
Offsite Minimum Acute Hazard-->	2.04E-04	1.95E-01	-6.46E-04	1.47E-02	1.23E-05	-1.52E-05	2.60E-05	1.37E-06	-7.16E-05	-1.12E-04	-6.95E-03	-4.33E-04	-6.66E-05	-1.39E-02	-8.75E-04	-2.69E-04	-4.01E-02
Residential																	
Offsite Maximum Acute Hazard-->	1.62E-02	2.00E+00	2.15E-03	4.13E-01	1.30E-04	-8.50E-06	2.57E-04	2.66E-05	3.42E-05	5.26E-05	-1.35E-03	-5.59E-05	-7.60E-06	-2.71E-03	-1.63E-04	-5.23E-05	-7.49E-03
Offsite Average Acute Hazard-->	7.01E-03	9.79E-01	3.24E-04	1.85E-01	6.36E-05	-1.52E-05	1.27E-04	1.23E-05	-4.12E-05	-6.48E-05	-7.33E-03	-4.89E-04	-7.13E-05	-1.47E-02	-9.31E-04	-2.83E-04	-4.27E-02
Offsite Minimum Acute Hazard-->	-2.26E-03	-2.40E-02	-2.43E-03	-4.46E-02	-2.98E-06	-3.46E-05	-1.77E-06	-4.75E-06	-1.69E-04	-2.67E-04	-2.22E-02	-1.48E-03	-2.20E-04	-4.45E-02	-2.82E-03	-8.59E-04	-1.29E-01
School																	
Offsite Maximum Acute Hazard-->	1.88E-02	2.22E+00	2.51E-03	4.74E-01	1.46E-04	-1.15E-05	2.85E-04	3.23E-05	1.14E-05	8.96E-06	-2.11E-03	-1.37E-04	-1.60E-05	-4.23E-03	-2.67E-04	-8.17E-05	-1.23E-02
Offsite Average Acute Hazard-->	9.92E-03	1.29E+00	6.37E-04	2.56E-01	8.38E-05	-1.49E-05	1.66E-04	1.68E-05	-4.07E-05	-6.66E-05	-8.21E-03	-5.67E-04	-8.05E-05	-1.64E-02	-1.05E-03	-3.17E-04	-4.80E-02
Offsite Minimum Acute Hazard-->	5.30E-04	3.60E-01	-2.43E-03	2.59E-02	2.05E-05	-2.07E-05	4.77E-05	-1.69E-06	-1.58E-04	-2.45E-04	-1.92E-02	-1.29E-03	-1.94E-04	-3.84E-02	-2.44E-03	-7.43E-04	-1.12E-01

Table 3-2A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite and Offsite Receptors - Alternative 2, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
117	370814	758243	Offsite Worker	1.64E+00	1.66E+00	-1.40E+00	5.51E+00	1.17E+00	-2.57E-01	5.03E-01	1.10E-01	-3.73E+00	-3.44E+00	-1.51E-03	-1.10E-01	-7.50E-03	-9.06E-03	-5.78E-03	-8.75E-03	-5.30E+00
118	370810	758153	Offsite Worker	2.32E+00	2.08E+00	-1.14E+00	7.53E+00	1.48E+00	-2.65E-01	6.27E-01	1.61E-01	-3.67E+00	-3.40E+00	-1.81E-03	-1.32E-01	-9.07E-03	-1.09E-02	-6.94E-03	-1.05E-02	-6.37E+00
119	370807	758063	Offsite Worker	3.01E+00	2.50E+00	-8.26E-01	9.55E+00	1.79E+00	-2.74E-01	7.51E-01	2.15E-01	-3.52E+00	-3.27E+00	-2.16E-03	-1.58E-01	-1.08E-02	-1.30E-02	-8.28E-03	-1.25E-02	-7.59E+00
120	370803	757974	Offsite Worker	3.23E+00	2.70E+00	-1.36E+00	1.02E+01	1.92E+00	-3.02E-01	8.12E-01	2.15E-01	-4.51E+00	-4.22E+00	-2.14E-03	-1.52E-01	-1.05E-02	-1.28E-02	-8.17E-03	-1.24E-02	-7.49E+00
121	370835	757927	Offsite Worker	4.32E+00	3.19E+00	-1.38E+00	1.32E+01	2.27E+00	-2.53E-01	9.56E-01	2.62E-01	-4.93E+00	-4.68E+00	-1.96E-03	-1.36E-01	-9.46E-03	-1.18E-02	-7.47E-03	-1.14E-02	-6.85E+00
122	370868	757880	Offsite Worker	4.39E+00	3.26E+00	-4.78E-01	1.35E+01	2.34E+00	-2.62E-01	9.75E-01	3.04E-01	-3.57E+00	-3.39E+00	-1.35E-03	-9.08E-02	-6.27E-03	-8.10E-03	-5.11E-03	-7.83E-03	-4.69E+00
123	370921	757884	Offsite Worker	4.52E+00	3.31E+00	-8.29E-01	1.38E+01	2.37E+00	-2.56E-01	9.93E-01	2.95E-01	-4.22E+00	-3.99E+00	-1.76E-03	-1.21E-01	-8.35E-03	-1.06E-02	-6.69E-03	-1.02E-02	-6.14E+00
124	370975	757887	Offsite Worker	4.66E+00	3.44E+00	-5.38E-01	1.43E+01	2.47E+00	-2.72E-01	1.03E+00	3.20E-01	-3.84E+00	-3.64E+00	-1.77E-03	-1.22E-01	-8.39E-03	-1.06E-02	-6.74E-03	-1.03E-02	-6.18E+00
125	370975	757794	Offsite Worker	5.23E+00	3.86E+00	5.89E-01	1.61E+01	2.81E+00	-3.06E-01	1.16E+00	4.07E-01	-2.46E+00	-2.32E+00	-1.50E-03	-1.02E-01	-6.84E-03	-8.97E-03	-5.67E-03	-8.67E-03	-5.20E+00
126	371026	757794	Offsite Worker	5.56E+00	4.09E+00	4.14E-01	1.71E+01	2.97E+00	-3.19E-01	1.22E+00	4.22E-01	-2.93E+00	-2.77E+00	-1.34E-03	-8.75E-02	-5.95E-03	-8.05E-03	-5.06E-03	-7.78E-03	-4.65E+00
127	371076	757877	Offsite Worker	4.84E+00	3.56E+00	5.41E-01	1.49E+01	2.59E+00	-2.79E-01	1.07E+00	3.75E-01	-2.29E+00	-2.16E+00	-1.24E-03	-8.45E-02	-5.60E-03	-7.43E-03	-4.70E-03	-7.18E-03	-4.31E+00
128	371126	757959	Offsite Worker	4.57E+00	3.31E+00	7.47E-01	1.40E+01	2.41E+00	-2.44E-01	9.92E-01	3.58E-01	-1.76E+00	-1.66E+00	-1.16E-03	-8.14E-02	-5.30E-03	-6.98E-03	-4.43E-03	-6.75E-03	-4.07E+00
129	371119	758031	Offsite Worker	4.15E+00	3.11E+00	3.19E-01	1.28E+01	2.26E+00	-2.60E-01	9.33E-01	3.21E-01	-2.24E+00	-2.11E+00	-1.01E-03	-7.48E-02	-4.62E-03	-6.07E-03	-3.88E-03	-5.86E-03	-3.56E+00
143	371953	757977	Offsite Worker	1.08E+00	1.79E+00	-6.38E-01	4.63E+00	1.29E+00	-4.13E-01	5.44E-01	1.53E-01	-2.70E+00	-2.35E+00	-8.16E-04	-6.15E-02	-3.76E-03	-4.90E-03	-3.14E-03	-4.73E-03	-2.88E+00
144	371948	757880	Offsite Worker	1.54E+00	1.81E+00	-1.00E+00	5.57E+00	1.29E+00	-3.29E-01	5.50E-01	1.41E-01	-3.26E+00	-2.95E+00	-5.96E-04	-4.56E-02	-2.64E-03	-3.58E-03	-2.30E-03	-3.46E-03	-2.11E+00
145	371943	757783	Offsite Worker	5.67E-01	1.61E+00	-3.25E+00	3.09E+00	1.09E+00	-4.55E-01	4.92E-01	3.32E-02	-6.57E+00	-6.01E+00	-1.43E-03	-1.20E-01	-7.08E-03	-8.59E-03	-5.59E-03	-8.30E-03	-5.13E+00
146	372016	757794	Offsite Worker	7.14E-01	1.53E+00	-3.09E+00	3.28E+00	1.03E+00	-3.96E-01	4.66E-01	3.08E-02	-6.25E+00	-5.74E+00	-1.53E-03	-1.24E-01	-7.62E-03	-9.20E-03	-5.96E-03	-8.90E-03	-5.47E+00
147	372102	757791	Offsite Worker	7.52E-01	1.42E+00	-2.79E+00	3.23E+00	9.59E-01	-3.49E-01	4.32E-01	3.10E-02	-5.72E+00	-5.25E+00	-1.59E-03	-1.25E-01	-7.91E-03	-9.52E-03	-6.14E-03	-9.21E-03	-5.63E+00
148	372178	757760	Offsite Worker	6.82E-01	1.35E+00	-1.83E+00	3.10E+00	9.40E-01	-3.41E-01	4.14E-01	6.26E-02	-4.20E+00	-3.79E+00	-1.19E-03	-9.51E-02	-5.91E-03	-7.17E-03	-4.63E-03	-6.93E-03	-4.25E+00
149	372177	757670	Offsite Worker	1.13E+00	1.49E+00	-2.85E-01	4.38E+00	1.08E+00	-2.96E-01	4.53E-01	1.37E-01	-1.92E+00	-1.66E+00	-1.22E-03	-9.40E-02	-6.05E-03	-7.34E-03	-4.72E-03	-7.09E-03	-4.33E+00
150	372176	757579	Offsite Worker	5.51E-01	1.33E+00	-2.27E-01	3.00E+00	9.71E-01	-3.59E-01	4.09E-01	1.24E-01	-1.74E+00	-1.43E+00	-7.90E-04	-7.03E-02	-3.86E-03	-4.74E-03	-3.12E-03	-4.58E-03	-2.86E+00
151	372174	757489	Offsite Worker	2.08E-01	1.26E+00	-9.21E-01	2.16E+00	9.00E-01	-4.02E-01	3.87E-01	8.93E-02	-2.75E+00	-2.36E+00	-4.46E-04	-4.44E-02	-2.05E-03	-2.67E-03	-1.79E-03	-2.58E-03	-1.64E+00
152	372173	757398	Offsite Worker	4.78E-01	1.25E+00	-7.86E-01	2.75E+00	8.94E-01	-3.44E-01	3.83E-01	9.32E-02	-2.54E+00	-2.19E+00	-6.07E-04	-5.94E-02	-2.87E-03	-3.64E-03	-2.43E-03	-3.52E-03	-2.23E+00
153	372171	757308	Offsite Worker	1.63E+00	1.55E+00	1.26E+00	5.81E+00	1.16E+00	-2.18E-01	4.70E-01	2.03E-01	3.95E-01	5.04E-01	-4.30E-04	-3.21E-02	-1.78E-03	-2.58E-03	-1.65E-03	-2.50E-03	-1.52E+00
154	372055	757309	Offsite Worker	1.12E+00	1.55E+00	-3.09E-01	4.65E+00	1.12E+00	-3.20E-01	4.73E-01	1.42E-01	-2.07E+00	-1.77E+00	-5.72E-04	-4.40E-02	-2.51E-03	-3.43E-03	-2.21E-03	-3.32E-03	-2.02E+00
156	372055	757416	Offsite Worker	1.22E-01	1.41E+00	-1.52E+00	2.20E+00	9.95E-01	-4.73E-01	4.34E-01	8.12E-02	-3.81E+00	-3.33E+00	-6.66E-04	-5.35E-02	-3.08E-03	-4.00E-03	-2.59E-03	-3.86E-03	-2.37E+00
157	371952	757442	Offsite Worker	8.65E-01	1.69E+00	-3.12E-01	4.23E+00	1.23E+00	-4.23E-01	5.18E-01	1.57E-01	-2.19E+00	-1.83E+00	-3.88E-04	-1.96E-02	-1.51E-03	-2.33E-03	-1.42E-03	-2.25E-03	-1.31E+00
158	371950	757345	Offsite Worker	3.24E-01	1.77E+00	-1.19E-01	3.49E+00	1.30E+00	-5.59E-01	5.43E-01	1.73E-01	-1.97E+00	-1.53E+00	4.10E-05	-2.30E-02	5.22E-04	2.46E-04	-2.85E-05	2.38E-04	-2.30E-02
159	371864	757344	Offsite Worker	-6.51E-01	1.56E+00	-1.32E+00	1.14E+00	1.12E+00	-6.83E-01	4.85E-01	1.06E-01	-3.66E+00	-3.06E+00	-4.83E-04	-6.20E-02	-2.21E-03	-2.90E-03	-2.04E-03	-2.80E-03	-1.87E+00
160	371790	757347	Offsite Worker	2.89E-01	1.90E+00	-8.81E-01	3.56E+00	1.37E+00	-6.11E-01	5.82E-01	1.56E-01	-3.25E+00	-2.74E+00	-1.06E-03	-9.28E-02	-5.17E-03	-6.33E-03	-4.15E-03	-6.12E-03	-3.81E+00
161	371708	757356	Offsite Worker	1.55E+00	2.16E+00	-1.95E-01	6.52E+00	1.57E+00	-4.50E-01	6.57E-01	2.08E-01	-2.39E+00	-2.04E+00	-1.05E-03	-7.02E-02	-4.93E-03	-6.27E-03	-3.96E-03	-6.07E-03	-3.63E+00
162	371615	757356	Offsite Worker	2.26E+00	2.30E+00	2.43E-01	8.20E+00	1.68E+00	-3.57E-01	6.97E-01	2.38E-01	-1.84E+00	-1.57E+00	-1.11E-03	-6.18E-02	-5.16E-03	-6.69E-03	-4.13E-03	-6.47E-03	-3.79E+00
163	371523	757356	Offsite Worker	2.62E+00	2.45E+00	5.99E-01	9.18E+00	1.80E+00	-3.37E-01	7.42E-01	2.67E-01	-1.42E+00	-1.19E+00	-1.38E-03	-8.17E-02	-6.51E-03	-8.29E-03	-5.15E-03	-8.01E-03	-4.73E+00
164	371430	757356	Offsite Worker	3.29E+00	2.79E+00	1.06E+00	1.11E+01	2.06E+00	-3.21E-01	8.42E-01	3.19E-01	-9.66E-01	-7.94E-01	-1.67E-03	-1.12E-01	-8.06E-03	-1.00E-02	-6.33E-03	-9.70E-03	-5.81E+00
165	371338	757356	Offsite Worker	3.45E+00	2.99E+00	9.51E-01	1.16E+01	2.20E+00	-3.58E-01	9.02E-01	3.35E-01	-1.31E+00	-1.11E+00	-2.19E-03	-1.63E-01	-1.08E-02	-1.31E-02	-8.40E-03	-1.27E-02	-7.70E+00
166	371245	757356	Offsite Worker	3.42E+00	3.21E+00	4.71E-02	1.16E+01	2.33E+00	-4.42E-01	9.68E-01	3.21E-01	-2.88E+00	-2.57E+00	-3.14E-03	-2.46E-01	-1.57E-02	-1.88E-02	-1.22E-02	-1.82E-02	-1.11E+01
167	371153	757356	Offsite Worker	3.38E+00	3.33E+00	-1.17E+00	1.15E+01	2.39E+00	-4.93E-01	1.01E+00	2.85E-01	-4.88E+00	-4.44E+00	-3.93E-03	-3.08E-01	-1.98E-02	-2.36E-02	-1.52E-02	-2.28E-02	-1.39E+01
168	371061	757356	Offsite Worker	3.01E+00	3.26E+00	-2.12E+00	1.06E+01	2.31E+00	-5.44E-01	9.87E-01	2.41E-01	-6.33E+00	-5.78E+00	-4.49E-03	-3.48E-01	-2.26E-02	-2.70E-02	-1.74E-02	-2.61E-02	-1.59E+01
169	371005	757357	Offsite Worker	2.52E+00	3.11E+00	-3.03E+00	9.24E+00	2.18E+00	-5.89E-01	9.42E-01	1.90E-01	-7.59E+00	-6.95E+00	-4.77E-03	-3.68E-01	-2.39E-02	-2.86E-02	-1.84E-02	-2.77E-02	-1.69E+01
170	370998	757293	Offsite Worker	3.25E+00	3.77E+00	-7.18E-01	1.19E+01	2.73E+00	-6.74E-01	1.14E+00	3.47E-01	-4.66E+00	-4.11E+00	-4.14E-03	-3.32E-01	-2.07E-02	-2.48E-02	-1.61E-02	-2.40E-02	-1.47E+01
171	370998	757194	Offsite Worker	5.14E+00	4.28E+00	3.51E+00	1.73E+01	3.20E+00	-4.71E-01	1.29E+00	5.63E-01	1.50E+00	1.59E+00	-1.37E-03	-1.05E-01	-6.32E-03	-8.21E-03	-5.27E-03	-7.94E-03	-4.84E+00
172	370998	757096	Offsite Worker	1.55E+00	2.66E+00	2.64E-01	7.51E+00	1.96E+00	-6.28E-01	8.15E-01	2.76E-01	-2.33E+00	-1.82E+00	-2.49E-03	-1.85E-01	-1.23E-02	-1.50E-02	-9.57E-03	-1.45E-02	-8.78E+00
173	370998	756998	Offsite Worker	7.24E-01	1.99E+00	-3.81E+00	4.60E+00	1.37E+00	-5.60E-01	6.31E-01	4.04E-02	-9.11E+00	-7.95E+00	-1.23E-03	-7.40E-02	-5.84E-03	-7.40E-03	-4.61E-03	-7.15E-03	-4.23E+00
174	371057	756997	Offsite Worker	1.06E+00	1.97E+00	-2.35E+00	5.53E+00	1.39E+00	-4.86E-01	6.17E-01	9.92E-02	-6.37E+00	-5.53E+00	-1.76E-03	-1.08E-01	-8.47E-03	-1.05E-02	-6.58E-03	-1.02E-02	-6.04E+00
175	371153	756997	Offsite Worker	6.20E-02	1.61E+00	-3.00E+00	2.97E+00	1.11E+00	-5.58E-01	5.06E-01	3.93E-02	-6.87E+00	-6.01E+00	-1.51E-03	-9.98E-02	-7.27E-03	-9.06E-03	-5.71E-03	-8.76E-03	-5.24E+00
176	371249	756997	Offsite Worker	3.52E-02	1.52E+00	-3.26E+00	2.75E+00	1.04E+00	-5.34E-01	4.82E-01	2.00E-02	-7.28E+00	-6.38E+00	-1.69E-03	-1.11E-01	-8.22E-03	-1.01E-02	-6.38E-03	-9.79E-03	-5.85E+00
177	371345	756997	Offsite Worker	8.80E-02	1.42E+00	-3.50E+00	2.64E+00	9.64E-01	-4.87E-01	4.53E-01	-1.17E-03	-7.72E+00	-6.78E+00	-1.27E-03	-7.70E-02	-6.11E-03	-7.64E-03	-4.76E-03	-7.38E-03	-4.37E+00
178	371440	756997	Offsite Worker	8.63E-01	1.67E+00	-2.01E+00	4.86E+00	1.17E+00	-4.18E-01	5.17E-01	8.51E-02	-5.13E+00	-4.53E+00	-1.76E-03	-1.17E-01	-8.63E-03	-1.06E-02	-6.67E-03	-1.02E-02	-6.12E+00
179	371536	756997	Offsite Worker	1.47E+00	1.83E+00	-7.15E-01	6.49E+00	1.32E+00	-3.51E-01	5.61E-01	1.53E-01	-3.12E+00	-2.70E+00	-1.86E-03	-1.25E-01	-9.11E-03	-1.12E-02	-7.06E-03	-1.08E-02	-6.47E+00
180	371632	756997	Offsite Worker	2.02E+00	1.95E+00	7.10E-01	7.94E+00	1.44E+00	-2.79E-01	5.92E-01	2.20E-01	-9.32E-01	-6.95E-01	-1.60E-03	-1.08E-01	-7.76E-03	-9.57E-03	-6.05E-03	-9.26E-03	-5.55E+00
181	371728	756997	Offsite Worker	2.58E+00	2.09E+00	1.71E+00	9.39E+00	1.57E+00	-2.17E-01	6.32E-01	2.74E-01	5.73E-01	6.69E-01	-8.80E-04	-4.60E-02	-3.96E-03	-5.28E-03	-3.24E-03	-5.11E-03	-2.97E+00
182	371824	756997	Offsite Worker	2.62E+00	2.05E+00	1.78E+00	9.41E+00	1.54E+00	-1.96E-01	6.20E-01	2.73E-01	7.44E-01	8.11E-01	-9.50E-04	-5.48E-02	-4.41E-03	-5.70E-03	-3.53E-03	-5.51E-03	-3.24E+00
183	371920	756997	Offsite Worker	2.12E+00	1.77E+00	2.05E+00	8.03E+00	1.34E+00	-1.96E-01	5.36E-01	2.56E-01	1.39E+00	1.44E+00	-9.44E-05	9.08E-03	9.10E-05	-5.66E-04	-2.47E-04	-5.47E-04	-2.29E-01
184	372016	756997	Offsite Worker	6.46E+00	3.82E+00	1.15E+01	2.07E+01	3.07E+00	-3.99E-02	1.14E+00	8.32E-01	1.44E+01	1.36E+01	3.16E-03	2.51E-01	1.73E-02	1.89E-02	1.22E-02	1.83E-02	1.12E+01
185	372111	756997	Offsite Worker	4.30E+00	2.76E+00	7.21E+00	1.44E+01	2.19E+00	-1.01E-01	8.27E-01	5.57E-01	8.60E+00	8.18E+00	2.03E-03	1.58E-01	1.12E-02	1.22E-02	7.85E-03	1.18E-02	7.20E+00
186	372207	756997	Offsite Worker	3.24E+00	2.23E+00	4.52E+00	1.12E+01	1.74E+00	-1.31E-01	6.71E-01	3.99E-01	4.87E+00	4.68E+00	1.02E-03	8.25E-02	5.88E-03	6.13E-03	3.97E-03	5.92E-03	3.64E+00

Table 3-2A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite and Offsite Receptors - Alternative 2, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
187	372303	756997	Offsite Worker	1.85E+00	1.55E+00	3.33E+00	7.31E+00	1.22E+00	-1.70E-01	4.69E-01	2.84E-01	3.55E+00	3.50E+00	1.20E-03	9.13E-02	6.81E-03	7.19E-03	4.62E-03	6.95E-03	4.24E+00
188	372399	756997	Offsite Worker	3.38E+00	2.30E+00	2.33E+00	1.14E+01	1.73E+00	-1.27E-01	6.89E-01	3.19E-01	1.48E+00	1.43E+00	-1.08E-04	2.28E-03	-4.79E-05	-6.51E-04	-3.43E-04	-6.29E-04	-3.15E-01
189	372495	756997	Offsite Worker	1.80E+00	1.51E+00	4.14E-01	6.83E+00	1.11E+00	-1.70E-01	4.58E-01	1.66E-01	-8.69E-01	-7.29E-01	-3.69E-04	-1.90E-02	-1.48E-03	-2.21E-03	-1.36E-03	-2.14E-03	-1.25E+00
190	372591	756997	Offsite Worker	2.01E+00	1.57E+00	9.14E-01	7.31E+00	1.16E+00	-1.48E-01	4.74E-01	1.91E-01	-1.26E-01	-4.30E-02	-8.50E-05	5.68E-03	2.62E-05	-5.10E-04	-2.40E-04	-4.93E-04	-2.22E-01
191	372610	757063	Offsite Worker	1.84E+00	1.47E+00	7.27E-01	6.30E+00	1.09E+00	-1.48E-01	4.45E-01	1.74E-01	-3.34E-01	-2.37E-01	-1.54E-04	-1.56E-03	-4.02E-04	-9.27E-04	-5.22E-04	-8.96E-04	-4.80E-01
192	372612	757132	Offsite Worker	2.04E+00	1.53E+00	1.01E+00	6.82E+00	1.14E+00	-1.29E-01	4.63E-01	1.91E-01	7.79E-02	1.32E-01	-3.05E-04	-1.53E-02	-1.27E-03	-1.83E-03	-1.12E-03	-1.77E-03	-1.03E+00
193	372614	757201	Offsite Worker	1.85E+00	1.42E+00	9.98E-01	6.53E+00	1.06E+00	-1.29E-01	4.30E-01	1.80E-01	1.70E-01	2.21E-01	-5.30E-04	-3.53E-02	-2.50E-03	-3.18E-03	-2.01E-03	-3.07E-03	-1.84E+00
194	372616	757270	Offsite Worker	1.65E+00	1.32E+00	1.12E+00	5.66E+00	9.85E-01	-1.31E-01	3.97E-01	1.74E-01	4.53E-01	4.95E-01	-6.09E-04	-3.94E-02	-2.86E-03	-3.65E-03	-2.29E-03	-3.53E-03	-2.11E+00
195	372627	757351	Offsite Worker	1.60E+00	1.32E+00	1.02E+00	5.44E+00	9.82E-01	-1.41E-01	3.97E-01	1.70E-01	3.12E-01	3.61E-01	-6.10E-04	-4.11E-02	-2.84E-03	-3.66E-03	-2.31E-03	-3.54E-03	-2.12E+00
196	372651	757422	Offsite Worker	1.40E+00	1.22E+00	7.14E-01	4.82E+00	9.03E-01	-1.45E-01	3.68E-01	1.49E-01	-9.22E-02	-8.18E-03	-6.61E-04	-4.32E-02	-3.12E-03	-3.97E-03	-2.50E-03	-3.83E-03	-2.29E+00
197	372676	757494	Offsite Worker	1.38E+00	1.25E+00	4.46E-01	4.77E+00	9.22E-01	-1.63E-01	3.79E-01	1.42E-01	-5.40E-01	-4.26E-01	-9.79E-04	-6.97E-02	-4.80E-03	-5.88E-03	-3.74E-03	-5.68E-03	-3.43E+00
198	372704	757569	Offsite Worker	1.54E+00	1.34E+00	-3.57E-02	5.15E+00	9.74E-01	-1.63E-01	4.06E-01	1.31E-01	-1.36E+00	-1.21E+00	-1.14E-03	-8.29E-02	-5.64E-03	-6.82E-03	-4.35E-03	-6.59E-03	-3.99E+00
199	372733	757645	Offsite Worker	1.33E+00	1.35E+00	-5.36E-01	4.68E+00	9.69E-01	-2.08E-01	4.10E-01	1.13E-01	-2.13E+00	-1.92E+00	-1.07E-03	-8.17E-02	-5.35E-03	-6.41E-03	-4.12E-03	-6.19E-03	-3.78E+00
200	372746	757702	Offsite Worker	1.19E+00	1.33E+00	-7.62E-01	4.30E+00	9.49E-01	-2.30E-01	4.04E-01	1.02E-01	-2.46E+00	-2.22E+00	-8.73E-04	-6.97E-02	-4.38E-03	-5.24E-03	-3.39E-03	-5.06E-03	-3.11E+00
201	372746	757768	Offsite Worker	9.72E-01	1.24E+00	-6.81E-01	3.68E+00	8.82E-01	-2.40E-01	3.76E-01	9.59E-02	-2.27E+00	-2.03E+00	-8.28E-04	-6.38E-02	-4.09E-03	-4.97E-03	-3.19E-03	-4.80E-03	-2.93E+00
202	372807	757781	Offsite Worker	1.03E+00	1.23E+00	-6.44E-01	3.81E+00	8.81E-01	-2.28E-01	3.74E-01	9.71E-02	-2.20E+00	-1.97E+00	-7.81E-04	-5.81E-02	-3.84E-03	-4.68E-03	-3.00E-03	-4.53E-03	-2.75E+00
203	372901	757782	Offsite Worker	1.19E+00	1.24E+00	-5.70E-01	4.31E+00	8.86E-01	-1.97E-01	3.76E-01	1.01E-01	-2.08E+00	-1.88E+00	-7.13E-04	-4.70E-02	-3.47E-03	-4.28E-03	-2.69E-03	-4.13E-03	-2.47E+00
204	372994	757783	Offsite Worker	1.32E+00	1.23E+00	-3.91E-01	4.60E+00	8.85E-01	-1.69E-01	3.73E-01	1.07E-01	-1.79E+00	-1.62E+00	-8.85E-04	-5.77E-02	-4.34E-03	-5.31E-03	-3.34E-03	-5.13E-03	-3.06E+00
205	373087	757783	Offsite Worker	1.42E+00	1.23E+00	-1.26E-01	4.85E+00	8.89E-01	-1.47E-01	3.71E-01	1.17E-01	-1.38E+00	-1.24E+00	-1.03E-03	-6.70E-02	-5.04E-03	-6.16E-03	-3.88E-03	-5.96E-03	-3.56E+00
206	373180	757784	Offsite Worker	1.47E+00	1.20E+00	1.44E-01	4.93E+00	8.72E-01	-1.25E-01	3.61E-01	1.24E-01	-9.36E-01	-8.31E-01	-1.07E-03	-6.86E-02	-5.21E-03	-6.39E-03	-4.02E-03	-6.18E-03	-3.68E+00
207	373274	757785	Offsite Worker	1.34E+00	1.07E+00	3.10E-01	4.48E+00	7.85E-01	-1.07E-01	3.24E-01	1.18E-01	-5.85E-01	-4.97E-01	-9.89E-04	-6.17E-02	-4.82E-03	-5.93E-03	-3.71E-03	-5.74E-03	-3.41E+00
208	373367	757786	Offsite Worker	1.08E+00	9.31E-01	3.16E-01	3.74E+00	6.86E-01	-1.10E-01	2.82E-01	1.04E-01	-4.53E-01	-3.63E-01	-8.82E-04	-5.78E-02	-4.31E-03	-5.29E-03	-3.33E-03	-5.11E-03	-3.06E+00
209	373418	757742	Offsite Worker	9.44E-01	8.39E-01	3.80E-01	3.28E+00	6.21E-01	-1.06E-01	2.55E-01	9.77E-02	-2.84E-01	-1.97E-01	-7.14E-04	-4.97E-02	-3.51E-03	-4.28E-03	-2.72E-03	-4.14E-03	-2.49E+00
210	373418	757653	Offsite Worker	1.20E+00	9.24E-01	6.80E-01	3.98E+00	6.89E-01	-8.32E-02	2.79E-01	1.18E-01	1.41E-01	1.79E-01	-6.86E-04	-4.29E-02	-3.31E-03	-4.12E-03	-2.58E-03	-3.98E-03	-2.36E+00
211	373419	757564	Offsite Worker	1.36E+00	9.90E-01	9.09E-01	4.42E+00	7.42E-01	-7.48E-02	2.98E-01	1.34E-01	4.53E-01	4.63E-01	-6.17E-04	-3.87E-02	-2.95E-03	-3.70E-03	-2.32E-03	-3.58E-03	-2.13E+00
212	373419	757475	Offsite Worker	1.61E+00	1.12E+00	8.29E-01	5.09E+00	8.33E-01	-7.04E-02	3.37E-01	1.43E-01	2.07E-01	2.23E-01	-4.75E-04	-2.94E-02	-2.24E-03	-2.85E-03	-1.78E-03	-2.76E-03	-1.63E+00
213	373420	757386	Offsite Worker	1.87E+00	1.25E+00	1.13E+00	5.83E+00	9.34E-01	-6.30E-02	3.75E-01	1.68E-01	5.70E-01	5.55E-01	-3.15E-04	-1.53E-02	-1.38E-03	-1.89E-03	-1.15E-03	-1.83E-03	-1.06E+00
214	373420	757297	Offsite Worker	1.88E+00	1.26E+00	7.95E-01	5.81E+00	9.35E-01	-6.53E-02	3.79E-01	1.56E-01	2.89E-02	4.51E-02	-3.55E-04	-1.50E-02	-1.54E-03	-2.13E-03	-1.28E-03	-2.06E-03	-1.18E+00
215	373421	757207	Offsite Worker	1.89E+00	1.28E+00	3.88E-01	5.77E+00	9.33E-01	-6.80E-02	3.83E-01	1.41E-01	-5.97E-01	-5.55E-01	-4.51E-04	-1.78E-02	-1.94E-03	-2.70E-03	-1.62E-03	-2.61E-03	-1.49E+00
216	373421	757118	Offsite Worker	1.69E+00	1.27E+00	1.01E-02	5.22E+00	9.21E-01	-1.08E-01	3.83E-01	1.26E-01	-1.22E+00	-1.11E+00	-4.74E-04	-2.56E-02	-2.10E-03	-2.84E-03	-1.75E-03	-2.75E-03	-1.61E+00
217	373292	757117	Offsite Worker	1.98E+00	1.42E+00	3.13E-01	6.17E+00	1.03E+00	-9.95E-02	4.26E-01	1.52E-01	-8.59E-01	-7.85E-01	-4.35E-04	-2.12E-02	-1.86E-03	-2.61E-03	-1.59E-03	-2.52E-03	-1.46E+00
218	373213	757118	Offsite Worker	2.05E+00	1.45E+00	5.54E-01	6.50E+00	1.06E+00	-9.61E-02	4.35E-01	1.65E-01	-5.11E-01	-4.57E-01	-3.71E-04	-1.70E-02	-1.54E-03	-2.23E-03	-1.35E-03	-2.15E-03	-1.24E+00
219	373158	757066	Offsite Worker	2.22E+00	1.58E+00	6.03E-01	6.93E+00	1.16E+00	-1.09E-01	4.74E-01	1.80E-01	-5.49E-01	-4.91E-01	-3.50E-04	-1.67E-02	-1.42E-03	-2.10E-03	-1.28E-03	-2.03E-03	-1.17E+00
220	373084	757026	Offsite Worker	2.29E+00	1.65E+00	6.61E-01	7.19E+00	1.21E+00	-1.18E-01	4.95E-01	1.89E-01	-5.24E-01	-4.63E-01	-3.38E-04	-1.62E-02	-1.35E-03	-2.03E-03	-1.24E-03	-1.96E-03	-1.13E+00
221	373009	757011	Offsite Worker	2.44E+00	1.73E+00	9.90E-01	7.63E+00	1.28E+00	-1.16E-01	5.19E-01	2.10E-01	-8.46E-02	-4.98E-02	-2.95E-04	-1.40E-02	-1.12E-03	-1.77E-03	-1.08E-03	-1.71E-03	-9.88E-01
222	372922	757009	Offsite Worker	2.53E+00	1.75E+00	1.19E+00	7.88E+00	1.30E+00	-1.08E-01	5.26E-01	2.20E-01	2.06E-01	2.21E-01	-2.60E-04	-1.31E-02	-9.36E-04	-1.56E-03	-9.56E-04	-1.51E-03	-8.77E-01
223	372835	757007	Offsite Worker	2.40E+00	1.73E+00	7.87E-01	7.57E+00	1.27E+00	-1.23E-01	5.19E-01	2.01E-01	-4.10E-01	-3.51E-01	-4.26E-04	-3.02E-02	-1.82E-03	-2.56E-03	-1.63E-03	-2.47E-03	-1.49E+00
224	372747	757006	Offsite Worker	1.45E+00	1.25E+00	6.07E-01	4.99E+00	9.27E-01	-1.49E-01	3.79E-01	1.47E-01	-3.38E-01	-2.26E-01	-4.32E-04	-3.02E-02	-1.92E-03	-2.59E-03	-1.64E-03	-2.50E-03	-1.51E+00
225	372660	757004	Offsite Worker	1.47E+00	1.28E+00	7.62E-01	5.36E+00	9.53E-01	-1.55E-01	3.88E-01	1.56E-01	-1.33E-01	-2.54E-02	-1.65E-04	-5.60E-03	-4.92E-04	-9.88E-04	-5.85E-04	-9.55E-04	-5.37E-01
226	372651	757063	Offsite Worker	1.78E+00	1.43E+00	6.62E-01	6.15E+00	1.06E+00	-1.46E-01	4.33E-01	1.68E-01	-3.97E-01	-2.96E-01	-1.23E-04	3.05E-04	-2.55E-04	-7.38E-04	-4.05E-04	-7.13E-04	-3.72E-01
227	372629	756931	Offsite Worker	2.28E+00	1.66E+00	1.74E+00	7.29E+00	1.25E+00	-1.24E-01	4.99E-01	2.32E-01	1.08E+00	1.09E+00	1.69E-05	7.23E-03	4.73E-04	1.01E-04	1.07E-04	9.78E-05	9.78E-02
228	372631	756857	Offsite Worker	3.81E+00	2.42E+00	3.55E+00	1.16E+01	1.84E+00	-8.20E-02	7.23E-01	3.79E-01	3.29E+00	3.11E+00	6.40E-04	5.51E-02	3.84E-03	3.84E-03	2.51E-03	3.71E-03	2.30E+00
229	372634	756783	Offsite Worker	3.13E+00	2.08E+00	3.06E+00	9.62E+00	1.59E+00	-1.01E-01	6.24E-01	3.26E-01	2.79E+00	2.68E+00	8.49E-04	6.58E-02	4.93E-03	5.10E-03	3.28E-03	4.93E-03	3.01E+00
230	372702	756778	Offsite Worker	2.63E+00	1.85E+00	1.95E+00	8.16E+00	1.39E+00	-1.21E-01	5.57E-01	2.60E-01	1.24E+00	1.23E+00	2.89E-04	2.28E-02	1.99E-03	1.74E-03	1.12E-03	1.68E-03	1.03E+00
231	372756	756775	Offsite Worker	2.43E+00	1.72E+00	1.35E+00	7.49E+00	1.28E+00	-1.16E-01	5.18E-01	2.23E-01	4.24E-01	4.51E-01	1.17E-04	1.02E-02	1.03E-03	7.02E-04	4.60E-04	6.78E-04	4.22E-01
232	372729	756712	Offsite Worker	3.02E+00	2.08E+00	2.23E+00	9.28E+00	1.57E+00	-1.25E-01	6.26E-01	2.94E-01	1.47E+00	1.44E+00	-1.39E-04	-5.24E-03	-2.58E-04	-8.34E-04	-4.98E-04	-8.07E-04	-4.57E-01
233	372703	756650	Offsite Worker	3.13E+00	2.17E+00	2.04E+00	9.60E+00	1.63E+00	-1.33E-01	6.52E-01	2.95E-01	1.13E+00	1.11E+00	-1.85E-05	2.21E-03	3.92E-04	-1.11E-04	-4.53E-05	-1.07E-04	-4.20E-02
234	372677	756588	Offsite Worker	3.74E+00	2.53E+00	1.82E+00	1.13E+01	1.88E+00	-1.37E-01	7.59E-01	3.22E-01	4.98E-01	4.82E-01	-2.26E-04	-1.43E-02	-7.27E-04	-1.35E-03	-8.49E-04	-1.31E-03	-7.79E-01
235	372619	756588	Offsite Worker	3.37E+00	2.34E+00	1.85E+00	1.03E+01	1.74E+00	-1.44E-01	7.03E-01	3.04E-01	6.61E-01	6.67E-01	-1.25E-04	-7.42E-03	-1.72E-04	-7.51E-04	-4.67E-04	-7.26E-04	-4.28E-01
236	372622	756509	Offsite Worker	4.14E+00	2.92E+00	1.63E+00	1.26E+01	2.15E+00	-1.93E-01	8.76E-01	3.53E-01	-1.47E-01	-1.07E-01	-2.74E-04	-1.96E-02	-9.10E-04	-1.64E-03	-1.05E-03	-1.59E-03	-9.59E-01
237	372700	756511	Offsite Worker	2.60E+00	2.01E+00	8.93E-01	8.17E+00	1.49E+00	-1.85E-01	6.08E-01	2.34E-01	-5.61E-01	-4.50E-01	-2.26E-04	-1.61E-02	-7.00E-04	-1.36E-03	-8.63E-04	-1.31E-03	-7.92E-01
238	372789	756510	Offsite Worker	1.44E+00	1.32E+00	2.94E-01	4.76E+00	9.70E-01	-1.76E-01	4.01E-01	1.42E-01	-9.15E-01	-7.51E-01	-2.82E-04	-1.99E-02	-9.91E-04	-1.69E-03	-1.07E-03	-1.63E-03	-9.86E-01
239	372871	756509	Offsite Worker	1.40E+00	1.27E+00	2.08E-01	4.62E+00	9.33E-01	-1.67E-01	3.87E-01	1.34E-01	-9.95E-01	-8.36E-01	-4.80E-04	-3.29E-02	-2.03E-03	-2.88E-03	-1.82E-03	-2.78E-03	-1.67E+00
240	372871	756437	Offsite Worker	2.08E+00	1.65E+00	4.18E-01	6.54E+00	1.21E+00	-1.61E-01	4.97E-01	1.79E-01	-9.44E-01	-8.23E-01	-1.03E-03	-6.83E-02	-4.61E-03	-6.18E-03	-3.90E-03	-5.98E-03	-3.57E+00
241	372970	756437	Offsite Worker	2.00E+00	1.55E+00	5.18E-01	6.25E+00	1.14E+00	-1.44E-01	4.69E-01	1.74E-01	-7.04E-01	-6.02E-01	-1.28E-03	-8.46E-02	-5.89E-03	-7.67E-03	-4.84E-03	-7.42E-03	-4.44E+00
242	373069	756437	Offsite Worker	2.03E+00	1.53E+00	5.21E-01	6.28E+00	1.12E+00	-1.30E-01	4.60E-01	1.71E-01	-6.65E-01	-5.76E-01	-1.09E-03	-7.32E-02	-5.00E-03	-6.52E-03	-4.12E-03	-6.30E-03	-3.78E+00

Table 3-2A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite and Offsite Receptors - Alternative 2, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
243	373168	756437	Offsite Worker	2.04E+00	1.51E+00	5.25E-01	6.27E+00	1.11E+00	-1.22E-01	4.55E-01	1.70E-01	-6.28E-01	-5.50E-01	-7.10E-04	-5.09E-02	-3.21E-03	-4.26E-03	-2.71E-03	-4.12E-03	-2.49E+00
244	373267	756437	Offsite Worker	1.99E+00	1.46E+00	5.75E-01	6.12E+00	1.08E+00	-1.15E-01	4.41E-01	1.67E-01	-5.01E-01	-4.35E-01	-7.41E-04	-5.26E-02	-3.38E-03	-4.44E-03	-2.83E-03	-4.30E-03	-2.59E+00
245	373412	756437	Offsite Worker	2.05E+00	1.47E+00	7.11E-01	6.28E+00	1.08E+00	-1.04E-01	4.42E-01	1.73E-01	-2.81E-01	-2.37E-01	-7.99E-04	-5.58E-02	-3.70E-03	-4.79E-03	-3.04E-03	-4.63E-03	-2.79E+00
246	373409	756339	Offsite Worker	3.02E+00	2.13E+00	1.09E+00	9.19E+00	1.57E+00	-1.39E-01	6.38E-01	2.53E-01	-2.65E-01	-2.26E-01	-1.10E-03	-7.39E-02	-5.15E-03	-6.60E-03	-4.16E-03	-6.38E-03	-3.82E+00
247	373406	756240	Offsite Worker	3.19E+00	2.24E+00	1.19E+00	9.71E+00	1.66E+00	-1.48E-01	6.73E-01	2.69E-01	-1.82E-01	-1.58E-01	-1.09E-03	-6.78E-02	-4.99E-03	-6.54E-03	-4.09E-03	-6.32E-03	-3.75E+00
248	373403	756142	Offsite Worker	4.43E+00	2.96E+00	1.63E+00	1.33E+01	2.18E+00	-1.48E-01	8.84E-01	3.57E-01	-7.81E-02	-1.09E-01	-6.49E-04	-4.55E-02	-2.90E-03	-3.89E-03	-2.47E-03	-3.76E-03	-2.27E+00
249	373400	756042	Offsite Worker	4.65E+00	3.46E+00	1.81E+00	1.44E+01	2.55E+00	-2.80E-01	1.03E+00	4.15E-01	-1.80E-01	-1.61E-01	-9.27E-04	-8.22E-02	-4.41E-03	-5.56E-03	-3.65E-03	-5.37E-03	-3.35E+00
250	373397	755944	Offsite Worker	3.93E+00	3.00E+00	1.75E+00	1.23E+01	2.22E+00	-2.64E-01	8.99E-01	3.67E-01	8.32E-02	1.11E-01	-9.86E-04	-8.44E-02	-4.73E-03	-5.92E-03	-3.87E-03	-5.72E-03	-3.54E+00
251	373393	755846	Offsite Worker	3.27E+00	2.56E+00	1.42E+00	1.03E+01	1.89E+00	-2.42E-01	7.67E-01	3.10E-01	-6.05E-02	-1.43E-02	-1.41E-03	-1.09E-01	-6.88E-03	-8.46E-03	-5.45E-03	-8.18E-03	-4.99E+00
252	373390	755747	Offsite Worker	2.76E+00	2.18E+00	5.61E-01	8.70E+00	1.59E+00	-2.11E-01	6.54E-01	2.39E-01	-1.04E+00	-9.56E-01	-1.23E-03	-9.11E-02	-5.95E-03	-7.36E-03	-4.71E-03	-7.11E-03	-4.32E+00
253	373309	755744	Offsite Worker	2.71E+00	2.17E+00	3.51E-01	8.57E+00	1.58E+00	-2.16E-01	6.50E-01	2.29E-01	-1.35E+00	-1.25E+00	-1.30E-03	-9.58E-02	-6.32E-03	-7.80E-03	-4.99E-03	-7.54E-03	-4.57E+00
254	373229	755743	Offsite Worker	2.68E+00	2.17E+00	1.60E-01	8.48E+00	1.57E+00	-2.23E-01	6.50E-01	2.22E-01	-1.64E+00	-1.52E+00	-1.44E-03	-1.07E-01	-7.03E-03	-8.63E-03	-5.52E-03	-8.34E-03	-5.07E+00
255	373143	755741	Offsite Worker	2.60E+00	2.17E+00	-5.97E-02	8.29E+00	1.57E+00	-2.39E-01	6.50E-01	2.13E-01	-1.98E+00	-1.84E+00	-1.61E-03	-1.22E-01	-7.90E-03	-9.64E-03	-6.19E-03	-9.32E-03	-5.67E+00
256	373143	755823	Offsite Worker	3.00E+00	2.49E+00	5.85E-01	9.62E+00	1.82E+00	-2.72E-01	7.47E-01	2.71E-01	-1.25E+00	-1.14E+00	-1.63E-03	-1.23E-01	-7.99E-03	-9.77E-03	-6.27E-03	-9.45E-03	-5.75E+00
257	373143	755906	Offsite Worker	3.14E+00	2.78E+00	1.10E+00	1.04E+01	2.04E+00	-3.45E-01	8.35E-01	3.20E-01	-7.21E-01	-5.98E-01	-1.38E-03	-1.17E-01	-6.80E-03	-8.28E-03	-5.40E-03	-8.00E-03	-4.95E+00
258	373065	755906	Offsite Worker	3.10E+00	2.80E+00	8.75E-01	1.03E+01	2.05E+00	-3.61E-01	8.41E-01	3.13E-01	-1.08E+00	-9.36E-01	-1.46E-03	-1.24E-01	-7.21E-03	-8.73E-03	-5.70E-03	-8.44E-03	-5.23E+00
259	373065	755827	Offsite Worker	2.77E+00	2.53E+00	1.81E-01	9.17E+00	1.84E+00	-3.34E-01	7.61E-01	2.60E-01	-1.91E+00	-1.73E+00	-1.87E-03	-1.49E-01	-9.25E-03	-1.12E-02	-7.24E-03	-1.08E-02	-6.64E+00
260	373068	755733	Offsite Worker	2.58E+00	2.09E+00	-1.29E-01	8.14E+00	1.51E+00	-2.16E-01	6.27E-01	2.02E-01	-2.03E+00	-1.89E+00	-1.67E-03	-1.22E-01	-8.20E-03	-1.00E-02	-6.41E-03	-9.71E-03	-5.88E+00
261	373007	755733	Offsite Worker	2.47E+00	2.02E+00	-2.80E-01	7.79E+00	1.45E+00	-2.13E-01	6.06E-01	1.89E-01	-2.21E+00	-2.06E+00	-1.72E-03	-1.23E-01	-8.39E-03	-1.03E-02	-6.56E-03	-9.96E-03	-6.02E+00
262	372941	755733	Offsite Worker	2.41E+00	1.96E+00	-5.30E-01	7.56E+00	1.40E+00	-2.04E-01	5.88E-01	1.73E-01	-2.56E+00	-2.39E+00	-1.80E-03	-1.26E-01	-8.79E-03	-1.08E-02	-6.86E-03	-1.05E-02	-6.29E+00
263	372941	755636	Offsite Worker	1.87E+00	1.49E+00	-3.47E-01	5.81E+00	1.07E+00	-1.47E-01	4.47E-01	1.33E-01	-1.93E+00	-1.78E+00	-1.74E-03	-1.19E-01	-8.53E-03	-1.04E-02	-6.61E-03	-1.01E-02	-6.06E+00
264	372941	755539	Offsite Worker	1.98E+00	1.52E+00	-4.14E-01	6.09E+00	1.09E+00	-1.38E-01	4.58E-01	1.35E-01	-2.04E+00	-1.91E+00	-1.80E-03	-1.28E-01	-8.95E-03	-1.08E-02	-6.87E-03	-1.04E-02	-6.30E+00
265	372941	755442	Offsite Worker	1.91E+00	1.51E+00	-2.25E-01	5.93E+00	1.09E+00	-1.48E-01	4.54E-01	1.41E-01	-1.73E+00	-1.61E+00	-2.44E-03	-1.70E-01	-1.22E-02	-1.46E-02	-9.28E-03	-1.41E-02	-8.51E+00
266	372913	755342	Offsite Worker	2.67E+00	1.92E+00	-9.95E-02	8.09E+00	1.38E+00	-1.37E-01	5.75E-01	1.86E-01	-1.85E+00	-1.75E+00	-3.77E-03	-2.62E-01	-1.90E-02	-2.26E-02	-1.43E-02	-2.19E-02	-1.32E+01
267	372817	755346	Offsite Worker	2.62E+00	1.90E+00	-2.83E-01	7.94E+00	1.37E+00	-1.42E-01	5.70E-01	1.77E-01	-2.14E+00	-2.02E+00	-4.70E-03	-3.27E-01	-2.37E-02	-2.82E-02	-1.79E-02	-2.73E-02	-1.64E+01
268	372720	755349	Offsite Worker	2.86E+00	2.03E+00	-7.99E-01	8.55E+00	1.44E+00	-1.37E-01	6.06E-01	1.69E-01	-3.02E+00	-2.88E+00	-7.14E-03	-4.94E-01	-3.61E-02	-4.28E-02	-2.71E-02	-4.14E-02	-2.49E+01
269	372624	755352	Offsite Worker	2.97E+00	2.06E+00	-9.62E-01	8.81E+00	1.46E+00	-1.29E-01	6.17E-01	1.66E-01	-3.28E+00	-3.14E+00	-9.89E-03	-6.85E-01	-5.00E-02	-5.94E-02	-3.76E-02	-5.74E-02	-3.45E+01
270	372527	755349	Offsite Worker	2.94E+00	2.04E+00	-8.61E-01	8.73E+00	1.44E+00	-1.24E-01	6.09E-01	1.68E-01	-3.10E+00	-2.97E+00	-5.02E-03	-3.48E-01	-2.49E-02	-3.01E-02	-1.91E-02	-2.91E-02	-1.75E+01
271	372431	755353	Offsite Worker	3.30E+00	2.23E+00	-1.08E+00	9.69E+00	1.57E+00	-1.19E-01	6.65E-01	1.78E-01	-3.59E+00	-3.45E+00	-4.45E-03	-3.06E-01	-2.21E-02	-2.67E-02	-1.69E-02	-2.58E-02	-1.55E+01
272	372334	755356	Offsite Worker	3.94E+00	2.57E+00	1.15E-01	1.16E+01	1.86E+00	-1.12E-01	7.68E-01	2.59E-01	-2.03E+00	-1.99E+00	-5.37E-03	-3.73E-01	-2.70E-02	-3.22E-02	-2.04E-02	-3.12E-02	-1.87E+01
273	372237	755359	Offsite Worker	3.54E+00	2.33E+00	-1.15E+00	1.03E+01	1.65E+00	-1.07E-01	6.95E-01	1.85E-01	-3.76E+00	-3.63E+00	-6.14E-03	-4.28E-01	-3.11E-02	-3.68E-02	-2.34E-02	-3.56E-02	-2.14E+01
274	372141	755362	Offsite Worker	3.26E+00	2.16E+00	-1.14E-02	9.65E+00	1.56E+00	-1.05E-01	6.45E-01	2.14E-01	-1.84E+00	-1.81E+00	-1.08E-02	-7.50E-01	-5.46E-02	-6.46E-02	-4.10E-02	-6.25E-02	-3.76E+01
275	372044	755366	Offsite Worker	3.90E+00	2.51E+00	3.24E-01	1.15E+01	1.82E+00	-9.82E-02	7.49E-01	2.62E-01	-1.61E+00	-1.61E+00	-1.06E-02	-7.37E-01	-5.36E-02	-6.35E-02	-4.03E-02	-6.14E-02	-3.69E+01
276	371948	755369	Offsite Worker	3.61E+00	2.40E+00	9.44E-01	1.08E+01	1.75E+00	-1.15E-01	7.15E-01	2.74E-01	-6.17E-01	-6.27E-01	-5.73E-03	-4.01E-01	-2.89E-02	-3.44E-02	-2.18E-02	-3.32E-02	-2.00E+01
277	371851	755372	Offsite Worker	2.27E+00	1.84E+00	-3.45E-01	7.12E+00	1.33E+00	-1.93E-01	5.55E-01	1.69E-01	-2.25E+00	-2.07E+00	-4.68E-03	-3.29E-01	-2.36E-02	-2.81E-02	-1.78E-02	-2.71E-02	-1.64E+01
278	371755	755375	Offsite Worker	1.55E+00	1.61E+00	-2.25E+00	5.14E+00	1.11E+00	-2.55E-01	4.86E-01	7.08E-02	-4.99E+00	-4.64E+00	-4.86E-03	-3.39E-01	-2.45E-02	-2.91E-02	-1.85E-02	-2.82E-02	-1.70E+01
279	371658	755378	Offsite Worker	1.07E+00	1.40E+00	-3.36E+00	3.75E+00	9.25E-01	-2.78E-01	4.24E-01	6.22E-03	-6.54E+00	-6.08E+00	-4.73E-03	-3.32E-01	-2.39E-02	-2.84E-02	-1.80E-02	-2.74E-02	-1.65E+01
280	371562	755382	Offsite Worker	1.21E+00	1.45E+00	-2.26E+00	4.22E+00	9.97E-01	-2.70E-01	4.41E-01	5.51E-02	-4.91E+00	-4.54E+00	-3.83E-03	-2.71E-01	-1.93E-02	-2.30E-02	-1.46E-02	-2.22E-02	-1.34E+01
281	371465	755385	Offsite Worker	2.60E+00	2.12E+00	-1.27E+00	8.10E+00	1.50E+00	-2.24E-01	6.39E-01	1.60E-01	-3.92E+00	-3.65E+00	-2.89E-03	-2.06E-01	-1.45E-02	-1.73E-02	-1.10E-02	-1.67E-02	-1.01E+01
282	371368	755388	Offsite Worker	3.83E+00	2.69E+00	-3.93E-01	1.15E+01	1.93E+00	-1.73E-01	8.04E-01	2.50E-01	-3.00E+00	-2.85E+00	-1.97E-03	-1.44E-01	-9.86E-03	-1.18E-02	-7.55E-03	-1.14E-02	-6.93E+00
283	371272	755391	Offsite Worker	3.62E+00	2.59E+00	1.33E-01	1.10E+01	1.87E+00	-1.82E-01	7.75E-01	2.62E-01	-2.07E+00	-1.97E+00	-1.79E-03	-1.33E-01	-8.85E-03	-1.07E-02	-6.88E-03	-1.04E-02	-6.31E+00
284	371175	755395	Offsite Worker	2.65E+00	2.13E+00	-6.10E-01	8.30E+00	1.52E+00	-2.15E-01	6.39E-01	1.87E-01	-2.83E+00	-2.65E+00	-2.24E-03	-1.71E-01	-1.13E-02	-1.34E-02	-8.64E-03	-1.30E-02	-7.92E+00
285	371079	755398	Offsite Worker	1.83E+00	1.59E+00	2.84E-01	5.97E+00	1.16E+00	-1.93E-01	4.80E-01	1.70E-01	-1.01E+00	-8.96E-01	-1.77E-03	-1.27E-01	-8.68E-03	-1.06E-02	-6.78E-03	-1.03E-02	-6.22E+00
286	371042	755478	Offsite Worker	1.74E+00	1.55E+00	1.85E-01	5.73E+00	1.13E+00	-1.96E-01	4.68E-01	1.62E-01	-1.14E+00	-1.01E+00	-1.48E-03	-1.11E-01	-7.14E-03	-8.86E-03	-5.68E-03	-8.57E-03	-5.21E+00
287	371009	755538	Offsite Worker	3.20E+00	2.35E+00	9.98E-01	9.90E+00	1.72E+00	-1.81E-01	7.03E-01	2.72E-01	-5.18E-01	-4.81E-01	-1.49E-03	-1.17E-01	-7.25E-03	-8.95E-03	-5.78E-03	-8.66E-03	-5.30E+00
288	370975	755597	Offsite Worker	1.83E+00	1.54E+00	1.91E+00	6.05E+00	1.17E+00	-1.72E-01	4.63E-01	2.28E-01	1.52E+00	1.51E+00	-1.79E-03	-1.34E-01	-8.65E-03	-1.07E-02	-6.88E-03	-1.04E-02	-6.31E+00
289	370925	755597	Offsite Worker	1.43E+00	1.35E+00	1.26E+00	4.93E+00	1.01E+00	-1.86E-01	4.07E-01	1.84E-01	6.74E-01	7.27E-01	-1.93E-03	-1.41E-01	-9.28E-03	-1.16E-02	-7.40E-03	-1.12E-02	-6.79E+00
290	370860	755547	Offsite Worker	3.76E-01	9.88E-01	-1.81E+00	1.95E+00	6.74E-01	-2.73E-01	3.02E-01	2.74E-02	-3.77E+00	-3.43E+00	-1.71E-03	-1.26E-01	-8.04E-03	-1.03E-02	-6.55E-03	-9.92E-03	-6.01E+00
291	370796	755497	Offsite Worker	3.46E+00	2.50E+00	1.53E+00	1.07E+01	1.85E+00	-1.85E-01	7.50E-01	3.09E-01	1.63E-01	1.66E-01	-2.95E-03	-2.01E-01	-1.43E-02	-1.77E-02	-1.12E-02	-1.71E-02	-1.03E+01
292	370733	755428	Offsite Worker	1.57E+00	1.58E+00	-6.85E-01	5.30E+00	1.13E+00	-2.40E-01	4.77E-01	1.29E-01	-2.55E+00	-2.32E+00	-3.01E-03	-2.11E-01	-1.48E-02	-1.80E-02	-1.15E-02	-1.74E-02	-1.05E+01
293	370634	755428	Offsite Worker	2.33E+00	2.04E+00	5.20E-01	7.62E+00	1.49E+00	-2.49E-01	6.14E-01	2.23E-01	-1.07E+00	-9.27E-01	-3.61E-03	-2.53E-01	-1.77E-02	-2.17E-02	-1.38E-02	-2.10E-02	-1.26E+01
294	370536	755428	Offsite Worker	4.08E+00	2.88E+00	4.69E-01	1.24E+01	2.10E+00	-1.93E-01	8.63E-01	3.04E-01	-1.78E+00	-1.71E+00	-5.84E-03	-4.05E-01	-2.91E-02	-3.50E-02	-2.22E-02	-3.39E-02	-2.04E+01
295	370437	755428	Offsite Worker	4.38E+00	3.09E+00	-5.88E-01	1.32E+01	2.22E+00	-2.06E-01	9.25E-01	2.83E-01	-3.57E+00	-3.42E+00	-6.03E-03	-4.19E-01	-3.01E-02	-3.62E-02	-2.29E-02	-3.49E-02	-2.10E+01
296	370338	755427	Offsite Worker	5.52E+00	3.82E+00	-1.57E+00	1.64E+01	2.71E+00	-2.32E-01	1.14E+00	3.17E-01	-5.64E+00	-5.44E+00	-5.66E-03	-3.95E-01	-2.82E-02	-3.39E-02	-2.15E-02	-3.28E-02	-1.98E+01
307	369249	755442	Offsite Worker	3.02E+00	2.37E+00	1.02E+00	9.58E+00	1.75E+00	-2.27E-01	7.13E-01	2.76E-01	-5.46E-01	-4.68E-01	-1.54E-03	-1.13E-01	-7.60E-03	-9.23E-03	-5.90E-03	-8.92E-03	-5.41E+00
308	369151	755442	Offsite Worker	2.89E+00	2.39E+00	5.84E-01	9.28E+00	1.75E+00	-2.59E-01	7.19E-01	2.60E-01	-1.27E+00	-1.13E+00	-1.39E-03	-1.02E-01	-6.85E-03	-8.35E-03	-5.33E-03	-8.07E-03	-4.89E+00

Table 3-2A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite and Offsite Receptors - Alternative 2, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
309	369052	755442	Offsite Worker	2.78E+00	2.35E+00	1.40E-01	8.94E+00	1.71E+00	-2.70E-01	7.08E-01	2.39E-01	-1.95E+00	-1.76E+00	-9.15E-04	-6.03E-02	-4.26E-03	-5.49E-03	-3.46E-03	-5.31E-03	-3.17E+00
320	368035	755402	Offsite Worker	2.26E+00	1.76E+00	3.15E-01	7.13E+00	1.28E+00	-1.64E-01	5.29E-01	1.87E-01	-1.11E+00	-1.02E+00	-1.62E-03	-1.15E-01	-8.01E-03	-9.70E-03	-6.18E-03	-9.38E-03	-5.67E+00
321	367960	755389	Offsite Worker	2.18E+00	1.72E+00	2.44E-01	6.90E+00	1.25E+00	-1.65E-01	5.16E-01	1.80E-01	-1.19E+00	-1.09E+00	-1.61E-03	-1.16E-01	-8.01E-03	-9.68E-03	-6.17E-03	-9.35E-03	-5.66E+00
322	367863	755390	Offsite Worker	2.16E+00	1.75E+00	4.05E-01	6.93E+00	1.28E+00	-1.81E-01	5.26E-01	1.89E-01	-9.80E-01	-8.73E-01	-1.50E-03	-1.12E-01	-7.48E-03	-9.00E-03	-5.76E-03	-8.70E-03	-5.28E+00
323	367766	755392	Offsite Worker	2.14E+00	1.73E+00	7.69E-01	6.92E+00	1.27E+00	-1.77E-01	5.20E-01	2.02E-01	-4.07E-01	-3.27E-01	-1.24E-03	-9.30E-02	-6.17E-03	-7.45E-03	-4.77E-03	-7.20E-03	-4.38E+00
324	367669	755393	Offsite Worker	1.96E+00	1.67E+00	4.21E-01	6.42E+00	1.22E+00	-1.93E-01	5.03E-01	1.82E-01	-9.06E-01	-7.86E-01	-9.23E-04	-6.97E-02	-4.55E-03	-5.54E-03	-3.55E-03	-5.35E-03	-3.26E+00
325	367572	755394	Offsite Worker	1.78E+00	1.57E+00	9.25E-02	5.90E+00	1.14E+00	-1.93E-01	4.73E-01	1.59E-01	-1.33E+00	-1.18E+00	-7.44E-04	-5.65E-02	-3.65E-03	-4.47E-03	-2.87E-03	-4.32E-03	-2.63E+00
326	367475	755395	Offsite Worker	1.61E+00	1.43E+00	-1.39E-01	5.34E+00	1.03E+00	-1.79E-01	4.31E-01	1.36E-01	-1.56E+00	-1.41E+00	-7.71E-04	-5.63E-02	-3.79E-03	-4.62E-03	-2.95E-03	-4.47E-03	-2.71E+00
327	370400	756850	On-Site Occupational	-1.05E-01	2.86E+00	-5.94E+00	3.23E+00	1.94E+00	-1.03E+00	8.83E-01	5.24E-02	-1.22E+01	-1.09E+01	-3.80E-03	-2.44E-01	-1.88E-02	-2.28E-02	-1.43E-02	-2.21E-02	-1.31E+01
1	367379	755396	Recreational	1.43E+00	1.35E+00	-2.39E-01	4.88E+00	9.78E-01	-1.89E-01	4.10E-01	1.25E-01	-1.66E+00	-1.49E+00	-7.01E-04	-5.12E-02	-3.43E-03	-4.21E-03	-2.69E-03	-4.07E-03	-2.46E+00
2	367340	755485	Recreational	1.16E+00	1.23E+00	-1.56E-01	4.19E+00	8.88E-01	-1.97E-01	3.71E-01	1.15E-01	-1.43E+00	-1.26E+00	-5.40E-04	-3.97E-02	-2.61E-03	-3.24E-03	-2.07E-03	-3.13E-03	-1.90E+00
3	367301	755573	Recreational	1.59E+00	1.39E+00	-4.21E-01	5.30E+00	9.94E-01	-1.68E-01	4.18E-01	1.21E-01	-1.95E+00	-1.78E+00	-6.07E-04	-4.51E-02	-2.90E-03	-3.64E-03	-2.33E-03	-3.52E-03	-2.14E+00
4	367263	755661	Recreational	1.72E+00	1.46E+00	-8.40E-01	5.67E+00	1.03E+00	-1.66E-01	4.39E-01	1.11E-01	-2.65E+00	-2.46E+00	-7.75E-04	-5.86E-02	-3.73E-03	-4.65E-03	-2.98E-03	-4.49E-03	-2.74E+00
5	367224	755749	Recreational	1.75E+00	1.52E+00	-4.24E-01	5.90E+00	1.09E+00	-1.82E-01	4.58E-01	1.34E-01	-2.08E+00	-1.91E+00	-6.60E-04	-4.89E-02	-3.13E-03	-3.96E-03	-2.53E-03	-3.83E-03	-2.32E+00
6	367186	755838	Recreational	2.17E+00	1.71E+00	4.77E-01	7.14E+00	1.26E+00	-1.67E-01	5.16E-01	1.89E-01	-8.55E-01	-7.57E-01	-6.55E-04	-4.92E-02	-3.14E-03	-3.93E-03	-2.52E-03	-3.80E-03	-2.31E+00
7	367147	755926	Recreational	2.39E+00	1.78E+00	1.18E+00	7.78E+00	1.32E+00	-1.45E-01	5.35E-01	2.23E-01	2.17E-01	2.36E-01	-5.18E-04	-3.15E-02	-2.34E-03	-3.11E-03	-1.94E-03	-3.01E-03	-1.78E+00
8	367109	756014	Recreational	2.26E+00	1.73E+00	7.58E-01	7.37E+00	1.27E+00	-1.54E-01	5.19E-01	2.01E-01	-3.91E-01	-3.36E-01	-7.91E-04	-5.30E-02	-3.75E-03	-4.75E-03	-3.00E-03	-4.59E-03	-2.75E+00
9	367070	756103	Recreational	2.78E+00	1.97E+00	7.19E-01	8.74E+00	1.44E+00	-1.32E-01	5.89E-01	2.23E-01	-6.35E-01	-6.00E-01	-9.63E-04	-6.58E-02	-4.62E-03	-5.78E-03	-3.65E-03	-5.58E-03	-3.35E+00
10	367032	756191	Recreational	3.07E+00	2.15E+00	1.38E+00	9.60E+00	1.59E+00	-1.39E-01	6.45E-01	2.68E-01	2.10E-01	2.08E-01	-6.92E-04	-4.50E-02	-3.21E-03	-4.15E-03	-2.61E-03	-4.01E-03	-2.39E+00
11	366993	756279	Recreational	3.28E+00	2.30E+00	1.38E+00	1.02E+01	1.70E+00	-1.51E-01	6.91E-01	2.82E-01	4.92E-02	6.07E-02	-9.91E-04	-6.39E-02	-4.69E-03	-5.95E-03	-3.74E-03	-5.75E-03	-3.43E+00
12	366954	756367	Recreational	3.47E+00	2.40E+00	1.28E+00	1.07E+01	1.77E+00	-1.46E-01	7.20E-01	2.88E-01	-1.85E-01	-1.71E-01	-9.26E-04	-6.03E-02	-4.37E-03	-5.56E-03	-3.50E-03	-5.37E-03	-3.21E+00
13	366916	756456	Recreational	3.38E+00	2.32E+00	1.19E+00	1.03E+01	1.71E+00	-1.36E-01	6.95E-01	2.77E-01	-2.45E-01	-2.34E-01	-6.51E-04	-4.12E-02	-3.00E-03	-3.90E-03	-2.45E-03	-3.77E-03	-2.25E+00
14	366877	756544	Recreational	3.55E+00	2.42E+00	1.07E+00	1.08E+01	1.78E+00	-1.36E-01	7.24E-01	2.82E-01	-4.94E-01	-4.78E-01	-5.45E-04	-3.55E-02	-2.51E-03	-3.27E-03	-2.06E-03	-3.16E-03	-1.89E+00
15	366839	756632	Recreational	3.31E+00	2.29E+00	6.81E-01	1.01E+01	1.67E+00	-1.37E-01	6.84E-01	2.53E-01	-9.73E-01	-9.33E-01	-6.64E-04	-4.43E-02	-3.11E-03	-3.98E-03	-2.51E-03	-3.85E-03	-2.31E+00
16	366800	756720	Recreational	2.80E+00	2.00E+00	7.32E-01	8.61E+00	1.46E+00	-1.39E-01	5.99E-01	2.26E-01	-6.92E-01	-6.35E-01	-5.08E-04	-3.40E-02	-2.34E-03	-3.05E-03	-1.92E-03	-2.95E-03	-1.76E+00
17	366762	756809	Recreational	2.57E+00	1.82E+00	9.55E-01	7.92E+00	1.35E+00	-1.24E-01	5.48E-01	2.18E-01	-2.07E-01	-1.71E-01	-3.86E-04	-2.56E-02	-1.75E-03	-2.32E-03	-1.46E-03	-2.24E-03	-1.34E+00
18	366723	756897	Recreational	2.76E+00	1.96E+00	1.04E+00	8.50E+00	1.44E+00	-1.33E-01	5.87E-01	2.35E-01	-1.45E-01	-1.26E-01	-5.50E-04	-3.47E-02	-2.53E-03	-3.30E-03	-2.07E-03	-3.19E-03	-1.90E+00
19	366685	756985	Recreational	3.31E+00	2.29E+00	1.23E+00	1.01E+01	1.69E+00	-1.39E-01	6.86E-01	2.75E-01	-1.56E-01	-1.46E-01	-6.26E-04	-4.02E-02	-2.90E-03	-3.75E-03	-2.36E-03	-3.63E-03	-2.16E+00
20	366646	757074	Recreational	3.94E+00	2.66E+00	1.37E+00	1.19E+01	1.96E+00	-1.41E-01	7.96E-01	3.17E-01	-2.56E-01	-2.56E-01	-6.22E-04	-4.04E-02	-2.84E-03	-3.73E-03	-2.35E-03	-3.61E-03	-2.15E+00
21	366607	757162	Recreational	3.97E+00	2.64E+00	1.24E+00	1.19E+01	1.94E+00	-1.29E-01	7.88E-01	3.10E-01	-4.01E-01	-4.10E-01	-5.84E-04	-3.99E-02	-2.64E-03	-3.51E-03	-2.22E-03	-3.39E-03	-2.04E+00
22	366569	757250	Recreational	3.83E+00	2.46E+00	1.26E+00	1.14E+01	1.81E+00	-9.51E-02	7.35E-01	2.94E-01	-1.87E-01	-2.31E-01	-6.26E-04	-4.05E-02	-2.85E-03	-3.76E-03	-2.36E-03	-3.63E-03	-2.17E+00
23	366530	757338	Recreational	3.67E+00	2.40E+00	1.19E+00	1.10E+01	1.76E+00	-1.02E-01	7.16E-01	2.84E-01	-2.49E-01	-2.79E-01	-5.51E-04	-3.64E-02	-2.48E-03	-3.31E-03	-2.08E-03	-3.20E-03	-1.91E+00
24	366492	757427	Recreational	3.69E+00	2.41E+00	1.29E+00	1.10E+01	1.78E+00	-1.06E-01	7.21E-01	2.90E-01	-1.19E-01	-1.51E-01	-4.64E-04	-2.96E-02	-2.05E-03	-2.79E-03	-1.75E-03	-2.69E-03	-1.60E+00
25	366453	757515	Recreational	3.79E+00	2.47E+00	1.35E+00	1.13E+01	1.82E+00	-1.05E-01	7.38E-01	2.98E-01	-6.47E-02	-1.05E-01	-3.99E-04	-2.55E-02	-1.73E-03	-2.39E-03	-1.50E-03	-2.31E-03	-1.38E+00
26	366415	757603	Recreational	3.86E+00	2.51E+00	1.36E+00	1.15E+01	1.85E+00	-1.07E-01	7.50E-01	3.02E-01	-8.79E-02	-1.29E-01	-4.05E-04	-2.77E-02	-1.77E-03	-2.43E-03	-1.54E-03	-2.35E-03	-1.41E+00
27	366376	757692	Recreational	3.82E+00	2.51E+00	1.25E+00	1.14E+01	1.85E+00	-1.14E-01	7.50E-01	2.98E-01	-2.51E-01	-2.81E-01	-4.74E-04	-3.28E-02	-2.13E-03	-2.85E-03	-1.80E-03	-2.75E-03	-1.65E+00
84	369336	758100	Recreational	3.63E+00	2.51E+00	1.05E+00	1.10E+01	1.84E+00	-1.51E-01	7.50E-01	2.90E-01	-5.60E-01	-5.50E-01	-8.40E-04	-5.21E-02	-3.72E-03	-5.04E-03	-3.15E-03	-4.87E-03	-2.89E+00
85	369269	758170	Recreational	4.43E+00	2.95E+00	1.15E+00	1.33E+01	2.16E+00	-1.47E-01	8.82E-01	3.38E-01	-7.62E-01	-7.77E-01	-1.08E-03	-6.71E-02	-4.97E-03	-6.47E-03	-4.05E-03	-6.25E-03	-3.71E+00
86	369202	758239	Recreational	4.17E+00	2.84E+00	7.63E-01	1.25E+01	2.07E+00	-1.61E-01	8.50E-01	3.12E-01	-1.28E+00	-1.25E+00	-1.39E-03	-9.09E-02	-6.66E-03	-8.34E-03	-5.25E-03	-8.07E-03	-4.82E+00
87	369264	758285	Recreational	3.76E+00	2.57E+00	1.05E+00	1.14E+01	1.88E+00	-1.46E-01	7.68E-01	2.96E-01	-5.90E-01	-5.92E-01	-6.32E-04	-3.81E-02	-2.76E-03	-3.79E-03	-2.36E-03	-3.67E-03	-2.17E+00
88	369326	758330	Recreational	2.60E+00	1.86E+00	1.18E+00	8.03E+00	1.38E+00	-1.30E-01	5.57E-01	2.31E-01	1.97E-01	1.90E-01	-8.50E-04	-5.45E-02	-3.92E-03	-5.10E-03	-3.20E-03	-4.93E-03	-2.94E+00
89	369389	758376	Recreational	8.34E-01	8.72E-01	1.74E-01	2.93E+00	6.40E-01	-1.39E-01	2.64E-01	9.35E-02	-5.80E-01	-4.78E-01	-1.02E-03	-6.86E-02	-4.89E-03	-6.14E-03	-3.88E-03	-5.94E-03	-3.56E+00
90	369389	758462	Recreational	4.22E-01	6.55E-01	-1.99E-01	1.75E+00	4.74E-01	-1.46E-01	2.00E-01	5.72E-02	-9.90E-01	-8.47E-01	-9.74E-04	-6.65E-02	-4.67E-03	-5.84E-03	-3.70E-03	-5.65E-03	-3.39E+00
91	369389	758548	Recreational	9.58E-02	4.87E-01	-4.97E-01	8.10E-01	3.45E-01	-1.53E-01	1.51E-01	2.88E-02	-1.32E+00	-1.15E+00	-1.04E-03	-7.15E-02	-5.02E-03	-6.24E-03	-3.95E-03	-6.03E-03	-3.62E+00
28	366338	757780	Residential	3.69E+00	2.43E+00	1.37E+00	1.10E+01	1.79E+00	-1.11E-01	7.26E-01	2.95E-01	-8.98E-03	-4.21E-02	-4.66E-04	-3.26E-02	-2.11E-03	-2.80E-03	-1.77E-03	-2.70E-03	-1.63E+00
29	366402	757746	Residential	3.77E+00	2.48E+00	1.37E+00	1.13E+01	1.83E+00	-1.14E-01	7.41E-01	2.99E-01	-5.61E-02	-8.82E-02	-4.67E-04	-3.23E-02	-2.10E-03	-2.80E-03	-1.78E-03	-2.71E-03	-1.63E+00
30	366467	757713	Residential	3.84E+00	2.53E+00	1.35E+00	1.15E+01	1.86E+00	-1.17E-01	7.57E-01	3.04E-01	-1.19E-01	-1.50E-01	-4.83E-04	-3.34E-02	-2.16E-03	-2.90E-03	-1.84E-03	-2.80E-03	-1.68E+00
31	366531	757679	Residential	3.97E+00	2.61E+00	1.38E+00	1.19E+01	1.92E+00	-1.20E-01	7.81E-01	3.13E-01	-1.50E-01	-1.84E-01	-4.94E-04	-3.41E-02	-2.21E-03	-2.96E-03	-1.88E-03	-2.87E-03	-1.72E+00
32	366567	757773	Residential	4.08E+00	2.67E+00	1.64E+00	1.22E+01	1.97E+00	-1.17E-01	7.97E-01	3.29E-01	1.94E-01	1.44E-01	-5.40E-04	-3.89E-02	-2.49E-03	-3.24E-03	-2.06E-03	-3.13E-03	-1.89E+00
33	366625	757758	Residential	4.19E+00	2.74E+00	1.69E+00	1.25E+01	2.02E+00	-1.19E-01	8.18E-01	3.38E-01	2.22E-01	1.68E-01	-5.44E-04	-3.90E-02	-2.50E-03	-3.26E-03	-2.08E-03	-3.15E-03	-1.91E+00
34	366682	757744	Residential	4.30E+00	2.81E+00	1.75E+00	1.28E+01	2.07E+00	-1.22E-01	8.39E-01	3.47E-01	2.52E-01	1.94E-01	-5.49E-04	-3.93E-02	-2.51E-03	-3.29E-03	-2.10E-03	-3.18E-03	-1.92E+00
35	366768	757788	Residential	4.54E+00	2.99E+00	1.62E+00	1.36E+01	2.20E+00	-1.39E-01	8.94E-01	3.60E-01	-9.61E-02	-1.42E-01	-6.39E-04	-4.74E-02	-3.01E-03	-3.84E-03	-2.45E-03	-3.71E-03	-2.25E+00
36	366854	757833	Residential	4.93E+00	3.23E+00	1.78E+00	1.47E+01	2.38E+00	-1.43E-01	9.64E-01	3.90E-01	-4.55E-02	-1.02E-01	-7.28E-04	-5.29E-02	-3.44E-03	-4.37E-03	-2.79E-03	-4.22E-03	-2.55E+00
37	366941	757877	Residential	5.01E+00	3.26E+00	1.87E+00	1.49E+01	2.40E+00	-1.38E-01	9.73E-01	3.96E-01	6.22E-02	-3.33E-03	-7.85E-04	-5.78E-02	-3.76E-03	-4.71E-03	-3.01E-03	-4.56E-03	-2.76E+00
38	367027	757922	Residential	4.78E+00	3.11E+00	1.82E+00	1.42E+01	2.29E+00	-1.32E-01	9.29E-01	3.80E-01	1.15E-01	5.06E-02	-8.04E-04	-6.11E-02	-3.87E-03	-4.82E-03	-3.10E-03	-4.66E-03	-2.84E+00
39	367113	757966	Residential	4.34E+00	2.83E+00	1.62E+00	1.29E+01	2.09E+00	-1.23E-01	8.46E-01	3.45E-01	5.45E-02	-7.48E-04	-9.70E-04	-7.19E-02	-4.71E-03	-5.82E-03	-3.72E-03	-5.63E-03	-3.42E+00

Table 3-2A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite and Offsite Receptors - Alternative 2, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
40	367192	757916	Residential	4.75E+00	3.09E+00	1.78E+00	1.42E+01	2.28E+00	-1.30E-01	9.23E-01	3.76E-01	7.77E-02	1.45E-02	-9.87E-04	-7.30E-02	-4.78E-03	-5.92E-03	-3.79E-03	-5.72E-03	-3.47E+00
41	367264	757916	Residential	4.71E+00	3.07E+00	1.64E+00	1.40E+01	2.26E+00	-1.30E-01	9.16E-01	3.68E-01	-1.17E-01	-1.73E-01	-1.05E-03	-7.80E-02	-5.10E-03	-6.32E-03	-4.04E-03	-6.11E-03	-3.71E+00
42	367335	757916	Residential	4.69E+00	3.08E+00	1.41E+00	1.40E+01	2.26E+00	-1.37E-01	9.19E-01	3.60E-01	-4.70E-01	-5.08E-01	-1.10E-03	-8.19E-02	-5.29E-03	-6.58E-03	-4.21E-03	-6.36E-03	-3.86E+00
43	367343	757966	Residential	5.43E+00	3.51E+00	1.64E+00	1.61E+01	2.58E+00	-1.41E-01	1.05E+00	4.13E-01	-4.46E-01	-5.19E-01	-1.01E-03	-7.81E-02	-4.85E-03	-6.07E-03	-3.91E-03	-5.87E-03	-3.58E+00
44	367404	757995	Residential	6.70E+00	4.25E+00	2.27E+00	1.98E+01	3.12E+00	-1.46E-01	1.27E+00	5.11E-01	-6.36E-02	-2.00E-01	-1.04E-03	-8.02E-02	-4.95E-03	-6.24E-03	-4.01E-03	-6.03E-03	-3.68E+00
45	367465	758024	Residential	7.14E+00	4.54E+00	2.53E+00	2.11E+01	3.34E+00	-1.57E-01	1.35E+00	5.50E-01	8.30E-02	-6.38E-02	-1.18E-03	-9.15E-02	-5.69E-03	-7.10E-03	-4.57E-03	-6.86E-03	-4.19E+00
55	367673	758189	Residential	4.69E+00	3.15E+00	1.48E+00	1.41E+01	2.31E+00	-1.63E-01	9.40E-01	3.70E-01	-4.38E-01	-4.60E-01	-1.09E-03	-8.01E-02	-5.24E-03	-6.53E-03	-4.18E-03	-6.32E-03	-3.83E+00
59	367816	758096	Residential	4.64E+00	3.14E+00	1.49E+00	1.40E+01	2.31E+00	-1.70E-01	9.39E-01	3.70E-01	-4.35E-01	-4.46E-01	-1.19E-03	-8.77E-02	-5.75E-03	-7.13E-03	-4.56E-03	-6.89E-03	-4.18E+00
60	367898	758066	Residential	4.28E+00	2.97E+00	1.38E+00	1.30E+01	2.18E+00	-1.83E-01	8.89E-01	3.49E-01	-4.75E-01	-4.64E-01	-1.20E-03	-8.91E-02	-5.84E-03	-7.22E-03	-4.62E-03	-6.98E-03	-4.24E+00
61	367980	758035	Residential	4.29E+00	3.01E+00	1.43E+00	1.31E+01	2.21E+00	-1.93E-01	9.00E-01	3.54E-01	-4.39E-01	-4.25E-01	-1.22E-03	-9.07E-02	-5.96E-03	-7.33E-03	-4.69E-03	-7.09E-03	-4.30E+00
62	368062	758005	Residential	4.30E+00	3.04E+00	1.44E+00	1.31E+01	2.24E+00	-2.04E-01	9.10E-01	3.58E-01	-4.47E-01	-4.27E-01	-1.32E-03	-9.64E-02	-6.45E-03	-7.92E-03	-5.05E-03	-7.65E-03	-4.64E+00
63	368144	757975	Residential	4.23E+00	3.03E+00	1.31E+00	1.30E+01	2.22E+00	-2.13E-01	9.07E-01	3.52E-01	-6.38E-01	-6.03E-01	-1.38E-03	-1.00E-01	-6.78E-03	-8.30E-03	-5.29E-03	-8.02E-03	-4.85E+00
64	368226	757945	Residential	4.01E+00	2.94E+00	1.13E+00	1.24E+01	2.15E+00	-2.25E-01	8.79E-01	3.36E-01	-8.45E-01	-7.86E-01	-1.41E-03	-1.01E-01	-6.90E-03	-8.44E-03	-5.38E-03	-8.16E-03	-4.93E+00
65	368301	757943	Residential	3.68E+00	2.79E+00	1.07E+00	1.15E+01	2.05E+00	-2.41E-01	8.37E-01	3.19E-01	-8.36E-01	-7.54E-01	-1.18E-03	-8.61E-02	-5.79E-03	-7.09E-03	-4.52E-03	-6.85E-03	-4.15E+00
66	368376	757941	Residential	3.42E+00	2.67E+00	1.21E+00	1.08E+01	1.96E+00	-2.51E-01	8.01E-01	3.12E-01	-5.38E-01	-4.52E-01	-1.03E-03	-7.77E-02	-5.09E-03	-6.17E-03	-3.96E-03	-5.97E-03	-3.63E+00
67	368452	757940	Residential	3.54E+00	2.67E+00	1.58E+00	1.11E+01	1.97E+00	-2.26E-01	8.01E-01	3.27E-01	4.24E-02	8.33E-02	-9.20E-04	-7.38E-02	-4.62E-03	-5.52E-03	-3.57E-03	-5.34E-03	-3.28E+00
68	368527	757938	Residential	3.20E+00	2.52E+00	1.24E+00	1.02E+01	1.86E+00	-2.40E-01	7.56E-01	2.98E-01	-3.71E-01	-2.86E-01	-9.57E-04	-7.80E-02	-4.85E-03	-5.74E-03	-3.72E-03	-5.55E-03	-3.41E+00
69	368563	757880	Residential	3.48E+00	2.69E+00	1.48E+00	1.10E+01	1.99E+00	-2.44E-01	8.07E-01	3.25E-01	-1.34E-01	-6.95E-02	-9.34E-04	-7.64E-02	-4.72E-03	-5.60E-03	-3.64E-03	-5.42E-03	-3.33E+00
70	368636	757926	Residential	3.29E+00	2.60E+00	5.40E-01	1.04E+01	1.89E+00	-2.50E-01	7.80E-01	2.79E-01	-1.52E+00	-1.38E+00	-1.27E-03	-8.81E-02	-6.23E-03	-7.63E-03	-4.84E-03	-7.38E-03	-4.44E+00
71	368709	757971	Residential	1.29E+00	1.47E+00	-2.66E+00	4.40E+00	1.00E+00	-2.61E-01	4.47E-01	4.13E-02	-5.55E+00	-5.15E+00	-2.84E-03	-1.97E-01	-1.41E-02	-1.70E-02	-1.08E-02	-1.65E-02	-9.91E+00
72	368782	758017	Residential	2.12E+00	1.94E+00	-2.90E+00	6.72E+00	1.33E+00	-2.56E-01	5.84E-01	7.78E-02	-6.27E+00	-5.87E+00	-2.83E-03	-1.95E-01	-1.40E-02	-1.70E-02	-1.08E-02	-1.64E-02	-9.88E+00
73	368855	758062	Residential	4.29E+00	3.11E+00	2.77E-01	1.31E+01	2.25E+00	-2.29E-01	9.30E-01	3.19E-01	-2.27E+00	-2.16E+00	-1.42E-03	-9.45E-02	-6.79E-03	-8.51E-03	-5.37E-03	-8.23E-03	-4.93E+00
74	368928	758108	Residential	5.74E+00	3.83E+00	1.67E+00	1.72E+01	2.81E+00	-1.90E-01	1.14E+00	4.45E-01	-6.81E-01	-7.24E-01	-1.11E-03	-8.02E-02	-5.35E-03	-6.65E-03	-4.24E-03	-6.43E-03	-3.89E+00
75	369001	758153	Residential	5.59E+00	3.66E+00	2.79E+00	1.68E+01	2.72E+00	-1.61E-01	1.09E+00	4.73E-01	1.19E+00	1.06E+00	-3.87E-04	-2.43E-02	-1.46E-03	-2.32E-03	-1.45E-03	-2.24E-03	-1.33E+00
76	369058	758074	Residential	5.66E+00	3.74E+00	2.70E+00	1.70E+01	2.77E+00	-1.75E-01	1.12E+00	4.77E-01	9.66E-01	8.47E-01	-3.05E-04	-1.83E-02	-1.01E-03	-1.83E-03	-1.14E-03	-1.77E-03	-1.05E+00
77	369102	758103	Residential	5.45E+00	3.65E+00	1.59E+00	1.64E+01	2.68E+00	-1.87E-01	1.09E+00	4.25E-01	-6.68E-01	-7.01E-01	-2.71E-04	-1.17E-02	-7.60E-04	-1.62E-03	-9.79E-04	-1.57E-03	-8.99E-01
78	369145	758132	Residential	5.02E+00	3.40E+00	8.00E-01	1.51E+01	2.47E+00	-1.86E-01	1.02E+00	3.68E-01	-1.69E+00	-1.66E+00	-1.00E-03	-6.49E-02	-4.56E-03	-6.00E-03	-3.77E-03	-5.80E-03	-3.46E+00
79	369200	758065	Residential	4.50E+00	3.14E+00	6.05E-01	1.36E+01	2.28E+00	-1.99E-01	9.39E-01	3.35E-01	-1.79E+00	-1.73E+00	-1.35E-03	-8.94E-02	-6.40E-03	-8.13E-03	-5.12E-03	-7.86E-03	-4.70E+00
80	369255	757998	Residential	4.41E+00	3.13E+00	5.69E-01	1.34E+01	2.28E+00	-2.15E-01	9.38E-01	3.33E-01	-1.86E+00	-1.77E+00	-1.77E-03	-1.19E-01	-8.57E-03	-1.06E-02	-6.72E-03	-1.03E-02	-6.16E+00
81	369310	757931	Residential	4.70E+00	3.29E+00	4.36E-01	1.42E+01	2.38E+00	-2.09E-01	9.83E-01	3.43E-01	-2.17E+00	-2.09E+00	-1.88E-03	-1.24E-01	-9.00E-03	-1.13E-02	-7.11E-03	-1.09E-02	-6.52E+00
82	369356	757981	Residential	4.27E+00	2.86E+00	9.56E-01	1.28E+01	2.09E+00	-1.48E-01	8.56E-01	3.21E-01	-9.94E-01	-9.90E-01	-1.30E-03	-8.21E-02	-5.99E-03	-7.81E-03	-4.89E-03	-7.55E-03	-4.49E+00
83	369403	758031	Residential	2.23E+00	1.67E+00	1.33E+00	7.04E+00	1.25E+00	-1.40E-01	5.03E-01	2.19E-01	5.40E-01	5.47E-01	-1.23E-03	-8.02E-02	-5.75E-03	-7.38E-03	-4.64E-03	-7.13E-03	-4.26E+00
92	369389	758634	Residential	-4.11E-03	4.31E-01	-7.07E-01	5.03E-01	2.99E-01	-1.53E-01	1.34E-01	1.49E-02	-1.60E+00	-1.41E+00	-1.22E-03	-8.38E-02	-5.95E-03	-7.34E-03	-4.65E-03	-7.10E-03	-4.26E+00
93	369469	758630	Residential	-1.06E+00	-6.00E-02	-1.86E+00	-2.45E+00	-8.35E-02	-1.93E-01	-1.02E-02	-7.92E-02	-3.02E+00	-2.69E+00	-3.09E-03	-2.16E-01	-1.55E-02	-1.86E-02	-1.18E-02	-1.79E-02	-1.08E+01
94	369549	758625	Residential	-4.44E-01	2.92E-01	-2.27E+00	-7.58E-01	1.58E-01	-1.94E-01	9.40E-02	-6.04E-02	-3.93E+00	-3.58E+00	-3.54E-03	-2.48E-01	-1.78E-02	-2.12E-02	-1.35E-02	-2.05E-02	-1.24E+01
95	369630	758621	Residential	6.89E-01	9.16E-01	-1.36E+00	2.52E+00	6.31E-01	-1.85E-01	2.79E-01	3.71E-02	-3.03E+00	-2.78E+00	-2.10E-03	-1.47E-01	-1.05E-02	-1.26E-02	-8.00E-03	-1.22E-02	-7.34E+00
96	369710	758617	Residential	1.49E+00	1.28E+00	-1.50E-01	4.79E+00	9.25E-01	-1.52E-01	3.86E-01	1.21E-01	-1.43E+00	-1.30E+00	-1.63E-03	-1.17E-01	-8.07E-03	-9.76E-03	-6.22E-03	-9.44E-03	-5.70E+00
97	369791	758613	Residential	1.61E+00	1.28E+00	1.26E-01	5.09E+00	9.31E-01	-1.27E-01	3.85E-01	1.32E-01	-9.59E-01	-8.81E-01	-2.22E-03	-1.59E-01	-1.11E-02	-1.33E-02	-8.49E-03	-1.29E-02	-7.78E+00
98	369791	758514	Residential	1.64E+00	1.30E+00	2.50E-01	5.18E+00	9.48E-01	-1.28E-01	3.91E-01	1.39E-01	-8.08E-01	-7.29E-01	-2.08E-03	-1.49E-01	-1.04E-02	-1.25E-02	-7.94E-03	-1.20E-02	-7.28E+00
99	369791	758416	Residential	1.68E+00	1.32E+00	4.34E-01	5.32E+00	9.71E-01	-1.27E-01	3.98E-01	1.48E-01	-5.51E-01	-4.83E-01	-1.87E-03	-1.35E-01	-9.35E-03	-1.12E-02	-7.16E-03	-1.09E-02	-6.57E+00
100	369791	758318	Residential	1.97E+00	1.47E+00	3.40E-01	6.10E+00	1.07E+00	-1.20E-01	4.40E-01	1.59E-01	-7.94E-01	-7.34E-01	-1.79E-03	-1.29E-01	-8.93E-03	-1.07E-02	-6.83E-03	-1.04E-02	-6.27E+00
101	369881	758318	Residential	3.96E-01	6.81E-01	-6.29E-01	1.69E+00	4.82E-01	-1.61E-01	2.09E-01	4.27E-02	-1.70E+00	-1.51E+00	-2.34E-03	-1.67E-01	-1.17E-02	-1.40E-02	-8.93E-03	-1.36E-02	-8.19E+00
102	369972	758318	Residential	3.34E-01	7.46E-01	-1.31E+00	1.58E+00	5.11E-01	-1.96E-01	2.29E-01	2.25E-02	-2.81E+00	-2.55E+00	-2.25E-03	-1.61E-01	-1.12E-02	-1.35E-02	-8.59E-03	-1.30E-02	-7.88E+00
103	370062	758318	Residential	9.33E-01	1.12E+00	-1.70E+00	3.30E+00	7.71E-01	-2.09E-01	3.41E-01	4.48E-02	-3.69E+00	-3.41E+00	-1.31E-03	-9.44E-02	-6.40E-03	-7.84E-03	-5.00E-03	-7.58E-03	-4.58E+00
104	370153	758318	Residential	9.71E-01	1.14E+00	-1.40E+00	3.42E+00	7.91E-01	-2.06E-01	3.46E-01	5.79E-02	-3.27E+00	-3.00E+00	-1.22E-03	-8.60E-02	-5.94E-03	-7.32E-03	-4.65E-03	-7.08E-03	-4.27E+00
105	370243	758318	Residential	1.38E+00	1.40E+00	-1.44E+00	4.61E+00	9.74E-01	-2.15E-01	4.22E-01	8.21E-02	-3.51E+00	-3.25E+00	-2.46E-03	-1.74E-01	-1.24E-02	-1.47E-02	-9.38E-03	-1.43E-02	-8.60E+00
111	370408	758347	Residential	5.36E-01	1.02E+00	-2.83E+00	2.21E+00	6.68E-01	-2.53E-01	3.12E-01	-1.03E-02	-5.41E+00	-5.00E+00	-3.38E-03	-2.39E-01	-1.70E-02	-2.03E-02	-1.29E-02	-1.96E-02	-1.18E+01
112	370490	758344	Residential	-7.96E-01	3.55E-01	-2.92E+00	-1.45E+00	1.90E-01	-2.87E-01	1.16E-01	-7.98E-02	-5.07E+00	-4.60E+00	-2.94E-03	-2.09E-01	-1.49E-02	-1.77E-02	-1.12E-02	-1.71E-02	-1.03E+01
113	370572	758341	Residential	-1.06E+00	2.48E-01	-3.16E+00	-2.18E+00	1.07E-01	-3.04E-01	8.47E-02	-9.98E-02	-5.36E+00	-4.85E+00	-2.78E-03	-1.94E-01	-1.40E-02	-1.67E-02	-1.06E-02	-1.61E-02	-9.72E+00
114	370654	758338	Residential	-4.10E-01	7.36E-01	-3.16E+00	-1.60E-01	4.60E-01	-3.44E-01	2.31E-01	-5.11E-02	-5.75E+00	-5.23E+00	-2.88E-03	-2.10E-01	-1.46E-02	-1.73E-02	-1.10E-02	-1.67E-02	-1.01E+01
115	370735	758335	Residential	1.56E-01	8.98E-01	-2.61E+00	1.28E+00	5.89E-01	-2.86E-01	2.77E-01	-1.37E-02	-5.03E+00	-4.59E+00	-2.31E-03	-1.70E-01	-1.16E-02	-1.38E-02	-8.85E-03	-1.34E-02	-8.11E+00
116	370817	758333	Residential	9.60E-01	1.24E+00	-1.63E+00	3.51E+00	8.60E-01	-2.45E-01	3.78E-01	5.92E-02	-3.74E+00	-3.42E+00	-1.38E-03	-9.86E-02	-6.83E-03	-8.27E-03	-5.26E-03	-7.99E-03	-4.83E+00
130	371183	758027	Residential	4.22E+00	3.07E+00	4.73E-01	1.29E+01	2.23E+00	-2.30E-01	9.20E-01	3.23E-01	-1.99E+00	-1.88E+00	-1.05E-03	-6.92E-02	-4.72E-03	-6.27E-03	-3.95E-03	-6.07E-03	-3.63E+00
131	371248	758024	Residential	4.35E+00	3.17E+00	1.68E-01	1.33E+01	2.30E+00	-2.41E-01	9.50E-01	3.21E-01	-2.51E+00	-2.38E+00	-1.07E-03	-6.88E-02	-4.79E-03	-6.42E-03	-4.03E-03	-6.20E-03	-3.70E+00
132	371326	758075	Residential	4.54E+00	3.22E+00	1.80E-01	1.38E+01	2.33E+00	-2.19E-01	9.65E-01	3.27E-01	-2.53E+00	-2.42E+00	-1.08E-03	-6.30E-02	-4.79E-03	-6.45E-03	-4.01E-03	-6.24E-03	-3.68E+00
133	371404	758127	Residential	4.39E+00	3.09E+00	4.74E-01	1.33E+01	2.25E+00	-2.05E-01	9.26E-01	3.25E-01	-2.00E+00	-1.91E+00	-9.00E-04	-5.09E-02	-3.93E-03	-5.40E-03	-3.34E-03	-5.22E-03	-3.07E+00

Table 3-2A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite and Offsite Receptors - Alternative 2, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
134	371481	758178	Residential	4.41E+00	3.09E+00	6.24E-01	1.33E+01	2.25E+00	-1.98E-01	9.24E-01	3.30E-01	-1.77E+00	-1.69E+00	-7.51E-04	-4.14E-02	-3.21E-03	-4.51E-03	-2.78E-03	-4.36E-03	-2.55E+00
135	371559	758230	Residential	4.43E+00	3.08E+00	7.80E-01	1.34E+01	2.24E+00	-1.91E-01	9.22E-01	3.35E-01	-1.53E+00	-1.46E+00	-7.11E-04	-3.33E-02	-2.98E-03	-4.26E-03	-2.59E-03	-4.12E-03	-2.38E+00
136	371637	758281	Residential	4.40E+00	3.01E+00	1.01E+00	1.33E+01	2.20E+00	-1.72E-01	9.00E-01	3.37E-01	-1.12E+00	-1.08E+00	-6.83E-04	-2.41E-02	-2.81E-03	-4.10E-03	-2.43E-03	-3.96E-03	-2.23E+00
137	371715	758333	Residential	4.32E+00	2.94E+00	1.24E+00	1.30E+01	2.15E+00	-1.63E-01	8.79E-01	3.39E-01	-7.03E-01	-6.80E-01	-6.02E-04	-2.00E-02	-2.41E-03	-3.61E-03	-2.13E-03	-3.49E-03	-1.96E+00
138	371769	758261	Residential	4.90E+00	3.18E+00	2.63E+00	1.47E+01	2.37E+00	-1.32E-01	9.51E-01	4.19E-01	1.27E+00	1.16E+00	-5.42E-04	-1.53E-02	-2.09E-03	-3.25E-03	-1.90E-03	-3.14E-03	-1.75E+00
139	371822	758189	Residential	3.44E+00	2.61E+00	1.81E+00	1.08E+01	1.94E+00	-2.26E-01	7.83E-01	3.31E-01	4.70E-01	4.90E-01	-4.27E-04	-1.24E-02	-1.61E-03	-2.56E-03	-1.50E-03	-2.48E-03	-1.38E+00
140	371894	758160	Residential	1.94E+00	2.12E+00	2.22E-01	6.93E+00	1.55E+00	-3.58E-01	6.41E-01	2.21E-01	-1.57E+00	-1.35E+00	-7.85E-04	-5.70E-02	-3.66E-03	-4.71E-03	-3.01E-03	-4.55E-03	-2.76E+00
141	371894	758081	Residential	1.04E+00	1.87E+00	-1.21E+00	4.59E+00	1.33E+00	-4.50E-01	5.68E-01	1.39E-01	-3.61E+00	-3.22E+00	-8.24E-04	-6.84E-02	-3.89E-03	-4.94E-03	-3.21E-03	-4.78E-03	-2.95E+00
142	371959	758074	Residential	9.06E-01	1.75E+00	-1.29E+00	4.14E+00	1.24E+00	-4.34E-01	5.32E-01	1.24E-01	-3.66E+00	-3.26E+00	-8.61E-04	-6.42E-02	-4.03E-03	-5.17E-03	-3.31E-03	-5.00E-03	-3.03E+00
155	372055	757363	Residential	5.65E-01	1.49E+00	-1.17E+00	3.30E+00	1.06E+00	-4.12E-01	4.57E-01	1.03E-01	-3.34E+00	-2.92E+00	-6.42E-04	-5.89E-02	-2.99E-03	-3.85E-03	-2.54E-03	-3.72E-03	-2.33E+00
297	370239	755427	Residential	4.26E+00	3.09E+00	-1.29E+00	1.29E+01	2.20E+00	-2.32E-01	9.26E-01	2.56E-01	-4.67E+00	-4.45E+00	-4.44E-03	-3.10E-01	-2.20E-02	-2.66E-02	-1.69E-02	-2.57E-02	-1.55E+01
298	370138	755427	Residential	3.36E+00	2.42E+00	-7.04E-01	1.02E+01	1.73E+00	-1.76E-01	7.24E-01	2.12E-01	-3.17E+00	-3.03E+00	-4.45E-03	-3.05E-01	-2.19E-02	-2.67E-02	-1.69E-02	-2.58E-02	-1.55E+01
299	370040	755427	Residential	3.16E+00	2.45E+00	-9.61E-01	9.76E+00	1.74E+00	-2.24E-01	7.33E-01	2.05E-01	-3.64E+00	-3.43E+00	-2.73E-03	-1.88E-01	-1.32E-02	-1.64E-02	-1.04E-02	-1.58E-02	-9.52E+00
300	369941	755426	Residential	3.83E+00	2.70E+00	1.24E+00	1.17E+01	1.99E+00	-1.78E-01	8.09E-01	3.17E-01	-4.41E-01	-4.27E-01	-2.46E-03	-1.65E-01	-1.19E-02	-1.47E-02	-9.31E-03	-1.43E-02	-8.54E+00
301	369842	755426	Residential	3.42E+00	2.51E+00	-2.64E-02	1.05E+01	1.82E+00	-1.95E-01	7.53E-01	2.48E-01	-2.23E+00	-2.12E+00	-1.86E-03	-1.31E-01	-8.93E-03	-1.12E-02	-7.09E-03	-1.08E-02	-6.50E+00
304	369544	755434	Residential	4.25E+00	3.12E+00	-6.79E-01	1.30E+01	2.23E+00	-2.41E-01	9.33E-01	2.82E-01	-3.75E+00	-3.57E+00	-2.91E-03	-2.09E-01	-1.45E-02	-1.74E-02	-1.11E-02	-1.69E-02	-1.02E+01
305	369445	755434	Residential	7.63E+00	4.99E+00	1.63E+00	2.27E+01	3.64E+00	-2.17E-01	1.49E+00	5.58E-01	-1.72E+00	-1.76E+00	-2.42E-03	-1.77E-01	-1.20E-02	-1.45E-02	-9.25E-03	-1.40E-02	-8.49E+00
306	369346	755434	Residential	4.80E+00	3.42E+00	-3.14E-02	1.46E+01	2.47E+00	-2.38E-01	1.02E+00	3.38E-01	-3.05E+00	-2.90E+00	-2.81E-03	-2.04E-01	-1.40E-02	-1.68E-02	-1.07E-02	-1.63E-02	-9.85E+00
310	368953	755441	Residential	2.86E+00	2.43E+00	2.19E-01	9.22E+00	1.76E+00	-2.78E-01	7.30E-01	2.49E-01	-1.90E+00	-1.70E+00	-1.08E-03	-7.15E-02	-5.10E-03	-6.49E-03	-4.09E-03	-6.27E-03	-3.75E+00
311	368854	755441	Residential	3.01E+00	2.44E+00	-5.14E-01	9.49E+00	1.75E+00	-2.51E-01	7.32E-01	2.21E-01	-2.99E+00	-2.78E+00	-2.03E-03	-1.44E-01	-1.01E-02	-1.22E-02	-7.75E-03	-1.18E-02	-7.11E+00
312	368755	755441	Residential	3.01E+00	2.32E+00	3.20E-01	9.42E+00	1.69E+00	-2.09E-01	6.96E-01	2.42E-01	-1.57E+00	-1.46E+00	-2.20E-03	-1.57E-01	-1.09E-02	-1.32E-02	-8.40E-03	-1.28E-02	-7.70E+00
313	368657	755441	Residential	3.65E+00	2.61E+00	1.05E+00	1.12E+01	1.91E+00	-1.81E-01	7.81E-01	3.00E-01	-6.56E-01	-6.25E-01	-1.68E-03	-1.16E-01	-8.22E-03	-1.01E-02	-6.39E-03	-9.74E-03	-5.86E+00
314	368558	755440	Residential	3.85E+00	2.67E+00	1.18E+00	1.17E+01	1.96E+00	-1.64E-01	7.99E-01	3.11E-01	-5.07E-01	-5.00E-01	-1.32E-03	-9.51E-02	-6.42E-03	-7.89E-03	-5.03E-03	-7.63E-03	-4.62E+00
315	368459	755440	Residential	3.75E+00	2.60E+00	1.55E+00	1.15E+01	1.92E+00	-1.59E-01	7.78E-01	3.19E-01	1.23E-01	1.01E-01	-9.87E-04	-7.17E-02	-4.72E-03	-5.92E-03	-3.78E-03	-5.72E-03	-3.46E+00
316	368360	755440	Residential	3.42E+00	2.39E+00	1.50E+00	1.05E+01	1.77E+00	-1.51E-01	7.15E-01	2.96E-01	2.22E-01	2.05E-01	-7.43E-04	-5.31E-02	-3.47E-03	-4.46E-03	-2.84E-03	-4.31E-03	-2.60E+00
317	368262	755439	Residential	2.97E+00	2.14E+00	1.13E+00	9.18E+00	1.58E+00	-1.55E-01	6.41E-01	2.57E-01	-1.38E-01	-1.21E-01	-1.25E-03	-9.05E-02	-6.13E-03	-7.52E-03	-4.79E-03	-7.27E-03	-4.40E+00
318	368186	755427	Residential	2.67E+00	1.99E+00	7.96E-01	8.35E+00	1.46E+00	-1.62E-01	5.97E-01	2.29E-01	-5.44E-01	-4.94E-01	-1.45E-03	-1.03E-01	-7.13E-03	-8.71E-03	-5.54E-03	-8.42E-03	-5.08E+00
319	368111	755414	Residential	2.47E+00	1.88E+00	5.12E-01	7.75E+00	1.37E+00	-1.65E-01	5.65E-01	2.07E-01	-8.97E-01	-8.21E-01	-1.56E-03	-1.11E-01	-7.70E-03	-9.36E-03	-5.96E-03	-9.05E-03	-5.46E+00
46	367504	757948	School	7.49E+00	4.72E+00	2.65E+00	2.21E+01	3.47E+00	-1.50E-01	1.40E+00	5.72E-01	1.53E-01	-2.13E-02	-1.07E-03	-8.28E-02	-5.10E-03	-6.42E-03	-4.13E-03	-6.21E-03	-3.79E+00
47	367544	757873	School	7.07E+00	4.51E+00	2.17E+00	2.09E+01	3.31E+00	-1.61E-01	1.34E+00	5.32E-01	-4.43E-01	-5.61E-01	-1.14E-03	-8.85E-02	-5.45E-03	-6.81E-03	-4.39E-03	-6.59E-03	-4.03E+00
48	367587	757909	School	8.12E+00	5.10E+00	2.94E+00	2.40E+01	3.75E+00	-1.56E-01	1.52E+00	6.21E-01	2.87E-01	8.68E-02	-1.14E-03	-8.84E-02	-5.44E-03	-6.83E-03	-4.40E-03	-6.60E-03	-4.03E+00
49	367623	757866	School	8.18E+00	5.16E+00	2.71E+00	2.41E+01	3.79E+00	-1.67E-01	1.54E+00	6.18E-01	-1.32E-01	-3.05E-01	-1.17E-03	-9.16E-02	-5.61E-03	-7.02E-03	-4.53E-03	-6.79E-03	-4.15E+00
50	367694	757866	School	8.83E+00	5.55E+00	3.27E+00	2.61E+01	4.08E+00	-1.70E-01	1.65E+00	6.78E-01	4.20E-01	1.97E-01	-1.21E-03	-9.46E-02	-5.81E-03	-7.29E-03	-4.69E-03	-7.04E-03	-4.30E+00
51	367716	757927	School	8.36E+00	5.29E+00	3.07E+00	2.47E+01	3.89E+00	-1.74E-01	1.57E+00	6.45E-01	2.96E-01	1.05E-01	-1.30E-03	-1.00E-01	-6.22E-03	-7.78E-03	-5.01E-03	-7.53E-03	-4.59E+00
52	367737	757988	School	7.31E+00	4.67E+00	2.47E+00	2.17E+01	3.44E+00	-1.71E-01	1.39E+00	5.60E-01	-1.58E-01	-2.83E-01	-1.31E-03	-9.78E-02	-6.27E-03	-7.86E-03	-5.04E-03	-7.60E-03	-4.62E+00
53	367727	758067	School	6.04E+00	3.93E+00	1.84E+00	1.80E+01	2.88E+00	-1.65E-01	1.17E+00	4.62E-01	-5.20E-01	-5.84E-01	-1.18E-03	-8.78E-02	-5.66E-03	-7.09E-03	-4.54E-03	-6.85E-03	-4.16E+00
54	367716	758146	School	4.88E+00	3.25E+00	1.53E+00	1.46E+01	2.39E+00	-1.60E-01	9.71E-01	3.82E-01	-4.58E-01	-4.85E-01	-1.15E-03	-8.42E-02	-5.52E-03	-6.87E-03	-4.39E-03	-6.64E-03	-4.03E+00
56	367723	758254	School	3.98E+00	2.81E+00	1.49E+00	1.22E+01	2.07E+00	-1.86E-01	8.40E-01	3.37E-01	-1.56E-01	-1.56E-01	-9.77E-04	-6.95E-02	-4.69E-03	-5.86E-03	-3.73E-03	-5.67E-03	-3.42E+00
57	367784	758221	School	4.12E+00	2.90E+00	1.53E+00	1.26E+01	2.13E+00	-1.89E-01	8.66E-01	3.48E-01	-1.56E-01	-1.59E-01	-1.03E-03	-7.26E-02	-4.95E-03	-6.17E-03	-3.92E-03	-5.96E-03	-3.60E+00
58	367845	758189	School	4.25E+00	2.98E+00	1.55E+00	1.30E+01	2.19E+00	-1.91E-01	8.91E-01	3.56E-01	-2.05E-01	-2.10E-01	-1.07E-03	-7.54E-02	-5.18E-03	-6.44E-03	-4.09E-03	-6.23E-03	-3.75E+00
106	370247	758254	School	1.57E+00	1.52E+00	-1.69E+00	5.15E+00	1.06E+00	-2.21E-01	4.59E-01	8.45E-02	-4.01E+00	-3.73E+00	-2.57E-03	-1.81E-01	-1.29E-02	-1.54E-02	-9.78E-03	-1.49E-02	-8.97E+00
107	370250	758189	School	1.44E+00	1.50E+00	-2.17E+00	4.82E+00	1.03E+00	-2.39E-01	4.53E-01	6.36E-02	-4.74E+00	-4.41E+00	-2.74E-03	-1.92E-01	-1.37E-02	-1.64E-02	-1.04E-02	-1.59E-02	-9.56E+00
108	370308	758196	School	1.26E+00	1.37E+00	-1.83E+00	4.30E+00	9.48E-01	-2.31E-01	4.15E-01	6.44E-02	-4.11E+00	-3.81E+00	-3.63E-03	-2.56E-01	-1.83E-02	-2.18E-02	-1.38E-02	-2.11E-02	-1.27E+01
109	370361	758236	School	5.37E-01	9.88E-01	-2.42E+00	2.22E+00	6.56E-01	-2.41E-01	3.02E-01	2.43E-03	-4.76E+00	-4.39E+00	-3.84E-03	-2.71E-01	-1.94E-02	-2.31E-02	-1.47E-02	-2.23E-02	-1.34E+01
110	370415	758275	School	2.49E-01	9.00E-01	-3.16E+00	1.43E+00	5.73E-01	-2.69E-01	2.77E-01	-3.54E-02	-5.85E+00	-5.39E+00	-3.49E-03	-2.46E-01	-1.76E-02	-2.09E-02	-1.33E-02	-2.02E-02	-1.22E+01
302	369741	755435	School	1.85E+00	1.71E+00	-1.13E+00	6.03E+00	1.21E+00	-2.30E-01	5.16E-01	1.25E-01	-3.35E+00	-3.09E+00	-4.23E-04	-2.87E-02	-1.60E-03	-2.54E-03	-1.60E-03	-2.45E-03	-1.47E+00
303	369643	755434	School	3.03E+00	2.35E+00	9.22E-01	9.54E+00	1.73E+00	-2.17E-01	7.07E-01	2.69E-01	-7.43E-01	-6.41E-01	-7.72E-04	-5.60E-02	-3.54E-03	-4.63E-03	-2.95E-03	-4.48E-03	-2.71E+00

Note: Shaded cells indicate locations where concentrations were highest within each land use category.

Table 3-2B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study - - Alternative 2, Horizon Year 2025
for Onsite and Offsite Receptors
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acetaldehyde Acute Hazard	acrolein (µg/m^3)	acrolein Acute Hazard	benzene (µg/m^3)	benzene Acute Hazard	formaldehyde (µg/m^3)	formaldehyde Acute Hazard	methyl alcohol (µg/m^3)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m^3)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m^3)	phenol (carbolic acid) Acute Hazard	styrene (µg/m^3)	styrene Acute Hazard	toluene (µg/m^3)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
117	370814	758243	Offsite Worker	1.64E+00	3.48E-03	1.66E+00	6.66E-01	-1.40E+00	-1.08E-03	5.51E+00	1.00E-01	1.17E+00	4.18E-05	-2.57E-01	-1.98E-05	5.03E-01	8.67E-05	1.10E-01	5.23E-06	-3.73E+00	-1.01E-04
118	370810	758153	Offsite Worker	2.32E+00	4.94E-03	2.08E+00	8.32E-01	-1.14E+00	-8.81E-04	7.53E+00	1.37E-01	1.48E+00	5.28E-05	-2.65E-01	-2.04E-05	6.27E-01	1.08E-04	1.61E-01	7.69E-06	-3.67E+00	-9.92E-05
119	370807	758063	Offsite Worker	3.01E+00	6.40E-03	2.50E+00	9.99E-01	-8.26E-01	-6.36E-04	9.55E+00	1.74E-01	1.79E+00	6.38E-05	-2.74E-01	-2.11E-05	7.51E-01	1.29E-04	2.15E-01	1.03E-05	-3.52E+00	-9.50E-05
120	370803	757974	Offsite Worker	3.23E+00	6.86E-03	2.70E+00	1.08E+00	-1.36E+00	-1.05E-03	1.02E+01	1.86E-01	1.92E+00	6.85E-05	-3.02E-01	-2.32E-05	8.12E-01	1.40E-04	2.15E-01	1.02E-05	-4.51E+00	-1.22E-04
121	370835	757927	Offsite Worker	4.32E+00	9.20E-03	3.19E+00	1.28E+00	-1.38E+00	-1.06E-03	1.32E+01	2.39E-01	2.27E+00	8.10E-05	-2.53E-01	-1.95E-05	9.56E-01	1.65E-04	2.62E-01	1.25E-05	-4.93E+00	-1.33E-04
122	370868	757880	Offsite Worker	4.39E+00	9.34E-03	3.26E+00	1.30E+00	-4.78E-01	-3.68E-04	1.35E+01	2.45E-01	2.34E+00	8.35E-05	-2.62E-01	-2.02E-05	9.75E-01	1.68E-04	3.04E-01	1.45E-05	-3.57E+00	-9.65E-05
123	370921	757884	Offsite Worker	4.52E+00	9.62E-03	3.31E+00	1.32E+00	-8.29E-01	-6.38E-04	1.38E+01	2.50E-01	2.37E+00	8.47E-05	-2.56E-01	-1.97E-05	9.93E-01	1.71E-04	2.95E-01	1.41E-05	-4.22E+00	-1.14E-04
124	370975	757887	Offsite Worker	4.66E+00	9.90E-03	3.44E+00	1.37E+00	-5.38E-01	-4.14E-04	1.43E+01	2.59E-01	2.47E+00	8.81E-05	-2.72E-01	-2.09E-05	1.03E+00	1.77E-04	3.20E-01	1.52E-05	-3.84E+00	-1.04E-04
125	370975	757794	Offsite Worker	5.23E+00	1.11E-02	3.86E+00	1.55E+00	5.89E-01	4.53E-04	1.61E+01	2.94E-01	2.81E+00	1.00E-04	-3.06E-01	-2.36E-05	1.16E+00	1.99E-04	4.07E-01	1.94E-05	-2.46E+00	-6.64E-05
126	371026	757794	Offsite Worker	5.56E+00	1.18E-02	4.09E+00	1.64E+00	4.14E-01	3.18E-04	1.71E+01	3.11E-01	2.97E+00	1.06E-04	-3.19E-01	-2.46E-05	1.22E+00	2.11E-04	4.22E-01	2.01E-05	-2.93E+00	-7.92E-05
127	371076	757877	Offsite Worker	4.84E+00	1.03E-02	3.56E+00	1.43E+00	5.41E-01	4.16E-04	1.49E+01	2.71E-01	2.59E+00	9.25E-05	-2.79E-01	-2.15E-05	1.07E+00	1.84E-04	3.75E-01	1.78E-05	-2.29E+00	-6.20E-05
128	371126	757959	Offsite Worker	4.57E+00	9.73E-03	3.31E+00	1.32E+00	7.47E-01	5.74E-04	1.40E+01	2.55E-01	2.41E+00	8.62E-05	-2.44E-01	-1.88E-05	9.92E-01	1.71E-04	3.58E-01	1.70E-05	-1.76E+00	-4.76E-05
129	371119	758031	Offsite Worker	4.15E+00	8.82E-03	3.11E+00	1.25E+00	3.19E-01	2.45E-04	1.28E+01	2.34E-01	2.26E+00	8.07E-05	-2.60E-01	-2.00E-05	9.33E-01	1.61E-04	3.21E-01	1.53E-05	-2.24E+00	-6.06E-05
143	371953	757977	Offsite Worker	1.08E+00	2.30E-03	1.79E+00	7.16E-01	-6.38E-01	-4.91E-04	4.63E+00	8.41E-02	1.29E+00	4.60E-05	-4.13E-01	-3.18E-05	5.44E-01	9.38E-05	1.53E-01	7.31E-06	-2.70E+00	-7.29E-05
144	371948	757880	Offsite Worker	1.54E+00	3.28E-03	1.81E+00	7.26E-01	-1.00E+00	-7.71E-04	5.57E+00	1.01E-01	1.29E+00	4.62E-05	-3.29E-01	-2.53E-05	5.50E-01	9.48E-05	1.41E-01	6.71E-06	-3.26E+00	-8.82E-05
145	371943	757783	Offsite Worker	5.67E-01	1.21E-03	1.61E+00	6.45E-01	-3.25E+00	-2.50E-03	3.09E+00	5.61E-02	1.09E+00	3.89E-05	-4.55E-01	-3.50E-05	4.92E-01	8.49E-05	3.32E-02	1.58E-06	-6.57E+00	-1.78E-04
146	372016	757794	Offsite Worker	7.14E-01	1.52E-03	1.53E+00	6.11E-01	-3.09E+00	-2.37E-03	3.28E+00	5.97E-02	1.03E+00	3.69E-05	-3.96E-01	-3.05E-05	4.66E-01	8.04E-05	3.08E-02	1.47E-06	-6.25E+00	-1.69E-04
147	372102	757791	Offsite Worker	7.52E-01	1.60E-03	1.42E+00	5.67E-01	-2.79E+00	-2.15E-03	3.23E+00	5.88E-02	9.59E-01	3.42E-05	-3.49E-01	-2.69E-05	4.32E-01	7.46E-05	3.10E-02	1.48E-06	-5.72E+00	-1.55E-04
148	372178	757760	Offsite Worker	6.82E-01	1.45E-03	1.35E+00	5.42E-01	-1.83E+00	-1.41E-03	3.10E+00	5.64E-02	9.40E-01	3.36E-05	-3.41E-01	-2.62E-05	4.14E-01	7.14E-05	6.26E-02	2.98E-06	-4.20E+00	-1.13E-04
149	372177	757670	Offsite Worker	1.13E+00	2.41E-03	1.49E+00	5.95E-01	-2.85E-01	-2.20E-04	4.38E+00	7.97E-02	1.08E+00	3.85E-05	-2.96E-01	-2.28E-05	4.53E-01	7.80E-05	1.37E-01	6.50E-06	-1.92E+00	-5.20E-05
150	372176	757579	Offsite Worker	5.51E-01	1.17E-03	1.33E+00	5.33E-01	-2.27E-01	-1.75E-04	3.00E+00	5.46E-02	9.71E-01	3.47E-05	-3.59E-01	-2.76E-05	4.09E-01	7.05E-05	1.24E-01	5.90E-06	-1.74E+00	-4.71E-05
151	372174	757489	Offsite Worker	2.08E-01	4.44E-04	1.26E+00	5.03E-01	-9.21E-01	-7.09E-04	2.16E+00	3.93E-02	9.00E-01	3.21E-05	-4.02E-01	-3.09E-05	3.87E-01	6.68E-05	8.93E-02	4.25E-06	-2.75E+00	-7.44E-05
152	372173	757398	Offsite Worker	4.78E-01	1.02E-03	1.25E+00	4.99E-01	-7.86E-01	-6.05E-04	2.75E+00	5.01E-02	8.94E-01	3.19E-05	-3.44E-01	-2.65E-05	3.83E-01	6.61E-05	9.32E-02	4.44E-06	-2.54E+00	-6.86E-05
153	372171	757308	Offsite Worker	1.63E+00	3.47E-03	1.55E+00	6.21E-01	1.26E+00	9.66E-04	5.81E+00	1.06E-01	1.16E+00	4.16E-05	-2.18E-01	-1.67E-05	4.70E-01	8.11E-05	2.03E-01	9.68E-06	3.95E-01	1.07E-05
154	372055	757309	Offsite Worker	1.12E+00	2.39E-03	1.55E+00	6.20E-01	-3.09E-01	-2.38E-04	4.65E+00	8.46E-02	1.12E+00	4.01E-05	-3.20E-01	-2.46E-05	4.73E-01	8.15E-05	1.42E-01	6.74E-06	-2.07E+00	-5.60E-05
156	372055	757416	Offsite Worker	1.22E-01	2.60E-04	1.41E+00	5.64E-01	-1.52E+00	-1.17E-03	2.20E+00	4.01E-02	9.95E-01	3.55E-05	-4.73E-01	-3.64E-05	4.34E-01	7.48E-05	8.12E-02	3.87E-06	-3.81E+00	-1.03E-04
157	371952	757442	Offsite Worker	8.65E-01	1.84E-03	1.69E+00	6.78E-01	-3.12E-01	-2.40E-04	4.23E+00	7.70E-02	1.23E+00	4.40E-05	-4.23E-01	-3.26E-05	5.18E-01	8.93E-05	1.57E-01	7.46E-06	-2.19E+00	-5.92E-05
158	371950	757345	Offsite Worker	3.24E-01	6.88E-04	1.77E+00	7.08E-01	-1.19E-01	-9.12E-05	3.49E+00	6.34E-02	1.30E+00	4.63E-05	-5.59E-01	-4.30E-05	5.43E-01	9.37E-05	1.73E-01	8.22E-06	-1.97E+00	-5.31E-05
159	371864	757344	Offsite Worker	-6.51E-01	-1.39E-03	1.56E+00	6.25E-01	-1.32E+00	-1.01E-03	1.14E+00	2.07E-02	1.12E+00	4.00E-05	-6.83E-01	-5.25E-05	4.85E-01	8.36E-05	1.06E-01	5.04E-06	-3.66E+00	-9.90E-05
160	371790	757347	Offsite Worker	2.89E-01	6.15E-04	1.90E+00	7.59E-01	-8.81E-01	-6.78E-04	3.56E+00	6.47E-02	1.37E+00	4.89E-05	-6.11E-01	-4.70E-05	5.82E-01	1.00E-04	1.56E-01	7.41E-06	-3.25E+00	-8.79E-05
161	371708	757356	Offsite Worker	1.55E+00	3.30E-03	2.16E+00	8.64E-01	-1.95E-01	-1.50E-04	6.52E+00	1.18E-01	1.57E+00	5.61E-05	-4.50E-01	-3.46E-05	6.57E-01	1.13E-04	2.08E-01	9.89E-06	-2.39E+00	-6.47E-05
162	371615	757356	Offsite Worker	2.26E+00	4.80E-03	2.30E+00	9.21E-01	2.43E-01	1.87E-04	8.20E+00	1.49E-01	1.68E+00	6.01E-05	-3.57E-01	-2.74E-05	6.97E-01	1.20E-04	2.38E-01	1.13E-05	-1.84E+00	-4.97E-05
163	371523	757356	Offsite Worker	2.62E+00	5.57E-03	2.45E+00	9.82E-01	5.99E-01	4.60E-04	9.18E+00	1.67E-01	1.80E+00	6.43E-05	-3.37E-01	-2.60E-05	7.42E-01	1.28E-04	2.67E-01	1.27E-05	-1.42E+00	-3.83E-05
164	371430	757356	Offsite Worker	3.29E+00	7.00E-03	2.79E+00	1.12E+00	1.06E+00	8.14E-04	1.11E+01	2.01E-01	2.06E+00	7.34E-05	-3.21E-01	-2.47E-05	8.42E-01	1.45E-04	3.19E-01	1.52E-05	-9.66E-01	-2.61E-05
165	371338	757356	Offsite Worker	3.45E+00	7.35E-03	2.99E+00	1.20E+00	9.51E-01	7.32E-04	1.16E+01	2.11E-01	2.20E+00	7.85E-05	-3.58E-01	-2.76E-05	9.02E-01	1.56E-04	3.35E-01	1.59E-05	-1.31E+00	-3.55E-05
166	371245	757356	Offsite Worker	3.42E+00	7.27E-03	3.21E+00	1.28E+00	4.71E-02	3.62E-05	1.16E+01	2.12E-01	2.33E+00	8.32E-05	-4.42E-01	-3.40E-05	9.68E-01	1.67E-04	3.21E-01	1.53E-05	-2.88E+00	-7.79E-05
167	371153	757356	Offsite Worker	3.38E+00	7.19E-03	3.33E+00	1.33E+00	-1.17E+00	-8.99E-04	1.15E+01	2.10E-01	2.39E+00	8.52E-05	-4.93E-01	-3.79E-05	1.01E+00	1.73E-04	2.85E-01	1.36E-05	-4.88E+00	-1.32E-04
168	371061	757356	Offsite Worker	3.01E+00	6.41E-03	3.26E+00	1.31E+00	-2.12E+00	-1.63E-03	1.06E+01	1.92E-01	2.31E+00	8.26E-05	-5.44E-01	-4.18E-05	9.87E-01	1.70E-04	2.41E-01	1.15E-05	-6.33E+00	-1.71E-04
169	371005	757357	Offsite Worker	2.52E+00	5.35E-03	3.11E+00	1.24E+00	-3.03E+00	-2.33E-03	9.24E+00	1.68E-01	2.18E+00	7.78E-05	-5.89E-01	-4.53E-05	9.42E-01	1.62E-04	1.90E-01	9.05E-06	-7.59E+00	-2.05E-04
170	370998	757293	Offsite Worker	3.25E+00	6.92E-03	3.77E+00	1.51E+00	-7.18E-01	-5.52E-04	1.19E+01	2.17E-01	2.73E+00	9.73E-05	-6.74E-01	-5.19E-05	1.14E+00	1.97E-04	3.47E-01	1.65E-05	-4.66E+00	-1.26E-04
171	370998	757194	Offsite Worker	5.14E+00	1.09E-02	4.28E+00	1.71E+00	3.51E+00	2.70E-03	1.73E+01	3.14E-01	3.20E+00	1.14E-04	-4.71E-01	-3.62E-05	1.29E+00	2.22E-04	5.63E-01	2.68E-05	1.50E+00	4.06E-05
172	370998	757096	Offsite Worker	1.55E+00	3.30E-03	2.66E+00	1.07E+00	2.64E-01	2.03E-04	7.51E+00	1.37E-01	1.96E+00	6.99E-05	-6.28E-01	-4.83E-05	8.15E-01	1.40E-04	2.76E-01	1.31E-05	-2.33E+00	-6.29E-05
173	370998	756998	Offsite Worker	7.24E-01	1.54E-03	1.99E+00	7.94E-01	-3.81E+00	-2.93E-03	4.60E+00	8.36E-02	1.37E+00	4.91E-05	-5.60E-01	-4.31E-05	6.31E-01	1.09E-04	4.04E-02	1.93E-06	-9.11E+00	-2.46E-04
174	371057	756997	Offsite Worker	1.06E+00	2.25E-03	1.97E+00	7.89E-01	-2.35E+00	-1.81E-03	5.53E+00	1.01E-01	1.39E+00	4.97E-05	-4.86E-01	-3.74E-05	6.17E-01	1.06E-04	9.92E-02	4.73E-06	-6.37E+00	-1.72E-04
175	371153	756997	Offsite Worker	6.20E-02	1.32E-04	1.61E+00	6.43E-01	-3.00E+00	-2.31E-03	2.97E+00	5.40E-02	1.11E+00	3.97E-05	-5.58E-01	-4.29E-05	5.06E-01	8.73E-05	3.93E-02	1.87E-06	-6.87E+00	-1.86E-04
176	371249	756997	Offsite Worker	3.52E-02	7.50E-05	1.52E+00	6.09E-01	-3.26E+00	-2.51E-03	2.75E+00	4.99E-02	1.04E+00	3.73E-05	-5.34E-01	-4.11E-05	4.82E-01	8.31E-05	2.00E-02	9.55E-07	-7.28E+00	-1.97E-04
177	371345	756997	Offsite Worker	8.80E-02	1.87E-04	1.42E+00	5.67E-01	-3.50E+00	-2.69E-03	2.64E+00	4.80E-02	9.64E-01	3.44E-05	-4.87E-01	-3.75E-05	4.53E-01	7.81E-05	-1.17E-03	-5.56E-08	-7.72E+00	-2.09E-04
178	371440	756997	Offsite Worker	8.63E-01	1.84E-03	1.67E+00	6.69E-01	-2.01E+00	-1.55E-03	4.86E+00	8.84E-02	1.17E+00	4.19E-05	-4.18E-01	-3.21E-05	5.17E-01	8.92E-05	8.51E-02	4.05E-06	-5.13E+00	-1.39E-04
179	371536	756997	Offsite Worker	1.47E+00	3.13E-03	1.83E+00	7.33E-01	-7.15E-01	-5.50E-04	6.49E+00	1.18E-01	1.32E+00	4.71E-05	-3.51E-01	-2.70E-05	5.61E-01	9.67E-05	1.53E-01	7.27E-06	-3.12E+00	-8.43E-05
180	371632	756997	Offsite Worker	2.02E+00	4.30E-03	1.95E+00	7.78E-01	7.10E-01	5.46E-04	7.94E+00	1.44E-01	1.44E+00	5.13E-05	-2.79E-01	-2.14E-05	5.92E-01	1.02E-04	2.20E-01	1.05E-05	-9.32E-01	-2.52E-05
181	371728	756997	Offsite Worker	2.58E+00	5.49E-03	2.09E+00	8.37E-01	1.71E+00	1.32E-03	9.39E+00	1.71E-01	1.57E+00	5.59E-05	-2.17E-01	-1.67E-05	6.32E-01	1.09E-04	2.74E-01	1.31E-05	5.73E-01	1.55E-05
182	371824	756997	Offsite Worker	2.62E+00	5.57E-03	2.05E+00	8.21E-01	1.78E+00	1.37E-03	9.41E+00	1.71E-01	1.54E+00	5.50E-05	-1.96E-01	-1.51E-05	6.20E-01	1.07E-04	2.73E-01	1.30E-05	7.44E-01	2.01E-05
183	371920	756997	Offsite Worker	2.12E+00	4.51E-03	1.77E+00	7.08E-01	2.05E+00	1.58E-03	8.03E+00	1.46E-01	1.34E+00	4.80E-05	-1.96E-01	-1.51E-05	5.36E-01	9.24E-05	2.56E-01	1.22E-05	1.39E+00	3.75E-05
184	372016	756997	Offsite Worker	6.46E+00	1.37E-02	3.82E+00	1.53E+00	1.15E+01	8.86E-03	2.07E+01	3.77E-01	3.07E+00	1.10E-04	-3.99E-02	-3.07E-06	1.14E+00	1.97E-04	8.32E-01	3.96E-05	1.44E+01	3.89E-04
185	372111	756997	Offsite Worker	4.30E+00	9.16E-03	2.76E+00	1.10E+00	7.21E+00	5.55E-03	1.44E+01	2.62E-01	2.19E+00	7.83E-05	-1.01E-01	-7.81E-06	8.27E-01	1.43E-04	5.57E-01	2.65E-05	8.60E+00	2.32E-04
186	372207	756997	Offsite Worker	3.24E+00	6.90E-03	2.23E+00	8.92E-01	4.52E+00	3.48E-03	1.12E+01	2.04E-01	1.74E+00	6.21E-05	-1.31E-01	-1.00E-05	6.71E-01	1.16E-04	3.99E-01	1.90E-05	4.87E+00	1.32E-04
187	372303	756997	Offsite Worker	1.85E+00	3.95E-03	1.55E+00	6.18E-01	3.33E+00	2.56E-03	7.31E+00	1.33E-01	1.22E+00	4.35E-05	-1.70E-01	-1.31E-05	4.69E-01	8.09E-05	2.84E-01	1.35E-05	3.55E+00	9.59E-05
188	372399	756997	Offsite Worker	3.38E+00	7.20E-03	2.30E+00	9.19E-01	2.33E+00	1.79E-03	1.14E+01	2.07E-01	1.73E+00	6.16E-05	-1.27E-01	-9.75E-06	6.89E-01	1.19E-04	3.19E-01	1.52E-05	1.48E+00	4.01E-05
189	372495	756997	Offsite Worker	1.80E+00	3.84E-03	1.51E+00	6.05E-01	4.14E-01	3.19E-04	6.83E+00	1.24E-01	1.11E+00	3.97E-05	-1.70E-01	-1.31E-05	4.58E-01	7.90E-05	1.66E-01	7.90E-06	-8.69E-01	-2.35E-05
190	372591	756997	Offsite Worker	2.01E+00	4.28E-03	1.57E+00	6.28E-01	9.14E-01	7.03E-04	7.31E+00	1.33E-01	1.16E+00	4.16E-05	-1.48E-01	-1.14E-05	4.74E-01	8.17E-05	1.91E-01	9.10E-06	-1.26E-01	-3.39E-06
191	372610	757063	Offsite Worker	1.84E+00	3.92E-03	1.47E+00	5.89E-01	7.27E-01	5.59E-04	6.30E+00	1.15E-01	1.09E+00	3.89E-05	-1.48E-01	-1.14E-05	4.45E-01	7.68E-05	1.74E-01	8.29E-06	-3.34E-01	-9.04E-06
192	372612	757132	Offsite Worker	2.04E+00	4.34E-03	1.53E+00	6.14E-01	1.01E+00	7.75E-04	6.82E+00	1.24E-01	1.14E+00	4.07E-05	-1.29E-01	-9.95E-06	4.63E-01	7.97E-05	1.91E-01	9.11E-06	7.79E-02	2.10E-06
193	372614	757201	Offsite Worker	1.85E+00	3.94E-03	1.42E+00	5.70E-01	9.98E-01	7.68E-04	6.53E+00	1.19E-01	1.06E+00	3.79E-05	-1.29E-01	-9.89E-06	4.30E-01	7.41E-05	1.80E-01	8.58E-06	1.70E-01	4.59E-06
194	372616	757270	Offsite Worker	1.65E+00	3.51E-03	1.32E+00	5.26E-01	1.12E+00	8.59E-04	5.66E+00	1.03E-01	9.85E-01	3.52E-05	-1.31E-01	-1.01E-05	3.97E-01	6.85E-05	1.74E-01	8.29E-06	4.53E-01	1.22E-05
195	372627	757351	Offsite Worker	1.60E+00	3.40E-03	1.32E+00	5.26E-01	1.02E+00	7.81E-04	5.44E+00	9.89E-02	9.82E-01	3.51E-05	-1.41E-01	-1.08E-05	3.97E-01	6.84E-05	1.70E-01	8.11E-06	3.12E-01	8.42E-06

Table 3-2B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study - - Alternative 2, Horizon Year 2025
for Onsite and Offsite Receptors
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acetaldehyde Acute Hazard	acrolein (µg/m^3)	acrolein Acute Hazard	benzene (µg/m^3)	benzene Acute Hazard	formaldehyde (µg/m^3)	formaldehyde Acute Hazard	methyl alcohol (µg/m^3)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m^3)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m^3)	phenol (carbolic acid) Acute Hazard	styrene (µg/m^3)	styrene Acute Hazard	toluene (µg/m^3)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
196	372651	757422	Offsite Worker	1.40E+00	2.99E-03	1.22E+00	4.86E-01	7.14E-01	5.50E-04	4.82E+00	8.77E-02	9.03E-01	3.23E-05	-1.45E-01	-1.12E-05	3.68E-01	6.34E-05	1.49E-01	7.07E-06	-9.22E-02	-2.49E-06
197	372676	757494	Offsite Worker	1.38E+00	2.94E-03	1.25E+00	5.01E-01	4.46E-01	3.43E-04	4.77E+00	8.67E-02	9.22E-01	3.29E-05	-1.63E-01	-1.25E-05	3.79E-01	6.53E-05	1.42E-01	6.74E-06	-5.40E-01	-1.46E-05
198	372704	757569	Offsite Worker	1.54E+00	3.28E-03	1.34E+00	5.37E-01	-3.57E-02	-2.75E-05	5.15E+00	9.37E-02	9.74E-01	3.48E-05	-1.63E-01	-1.25E-05	4.06E-01	7.00E-05	1.31E-01	6.26E-06	-1.36E+00	-3.67E-05
199	372733	757645	Offsite Worker	1.33E+00	2.84E-03	1.35E+00	5.41E-01	-5.36E-01	-4.12E-04	4.68E+00	8.50E-02	9.69E-01	3.46E-05	-2.08E-01	-1.60E-05	4.10E-01	7.06E-05	1.13E-01	5.39E-06	-2.13E+00	-5.74E-05
200	372746	757702	Offsite Worker	1.19E+00	2.53E-03	1.33E+00	5.33E-01	-7.62E-01	-5.86E-04	4.30E+00	7.83E-02	9.49E-01	3.39E-05	-2.30E-01	-1.77E-05	4.04E-01	6.96E-05	1.02E-01	4.87E-06	-2.46E+00	-6.65E-05
201	372746	757768	Offsite Worker	9.72E-01	2.07E-03	1.24E+00	4.94E-01	-6.81E-01	-5.24E-04	3.68E+00	6.69E-02	8.82E-01	3.15E-05	-2.40E-01	-1.85E-05	3.76E-01	6.48E-05	9.59E-02	4.57E-06	-2.27E+00	-6.13E-05
202	372807	757781	Offsite Worker	1.03E+00	2.18E-03	1.23E+00	4.93E-01	-6.44E-01	-4.95E-04	3.81E+00	6.93E-02	8.81E-01	3.14E-05	-2.28E-01	-1.75E-05	3.74E-01	6.45E-05	9.71E-02	4.62E-06	-2.20E+00	-5.95E-05
203	372901	757782	Offsite Worker	1.19E+00	2.54E-03	1.24E+00	4.96E-01	-5.70E-01	-4.39E-04	4.31E+00	7.83E-02	8.86E-01	3.17E-05	-1.97E-01	-1.51E-05	3.76E-01	6.48E-05	1.01E-01	4.79E-06	-2.08E+00	-5.63E-05
204	372994	757783	Offsite Worker	1.32E+00	2.80E-03	1.23E+00	4.93E-01	-3.91E-01	-3.01E-04	4.60E+00	8.36E-02	8.85E-01	3.16E-05	-1.69E-01	-1.30E-05	3.73E-01	6.43E-05	1.07E-01	5.09E-06	-1.79E+00	-4.84E-05
205	373087	757783	Offsite Worker	1.42E+00	3.03E-03	1.23E+00	4.92E-01	-1.26E-01	-9.70E-05	4.85E+00	8.81E-02	8.89E-01	3.18E-05	-1.47E-01	-1.13E-05	3.71E-01	6.41E-05	1.17E-01	5.56E-06	-1.38E+00	-3.72E-05
206	373180	757784	Offsite Worker	1.47E+00	3.14E-03	1.20E+00	4.78E-01	1.44E-01	1.11E-04	4.93E+00	8.96E-02	8.72E-01	3.11E-05	-1.25E-01	-9.58E-06	3.61E-01	6.23E-05	1.24E-01	5.90E-06	-9.36E-01	-2.53E-05
207	373274	757785	Offsite Worker	1.34E+00	2.85E-03	1.07E+00	4.28E-01	3.10E-01	2.38E-04	4.48E+00	8.15E-02	7.85E-01	2.81E-05	-1.07E-01	-8.25E-06	3.24E-01	5.58E-05	1.18E-01	5.61E-06	-5.85E-01	-1.58E-05
208	373367	757786	Offsite Worker	1.08E+00	2.30E-03	9.31E-01	3.73E-01	3.16E-01	2.43E-04	3.74E+00	6.80E-02	6.86E-01	2.45E-05	-1.10E-01	-8.48E-06	2.82E-01	4.87E-05	1.04E-01	4.97E-06	-4.53E-01	-1.22E-05
209	373418	757742	Offsite Worker	9.44E-01	2.01E-03	8.39E-01	3.35E-01	3.80E-01	2.92E-04	3.28E+00	5.97E-02	6.21E-01	2.22E-05	-1.06E-01	-8.12E-06	2.55E-01	4.39E-05	9.77E-02	4.65E-06	-2.84E-01	-7.67E-06
210	373418	757653	Offsite Worker	1.20E+00	2.56E-03	9.24E-01	3.70E-01	6.80E-01	5.23E-04	3.98E+00	7.23E-02	6.89E-01	2.46E-05	-8.32E-02	-6.40E-06	2.79E-01	4.81E-05	1.18E-01	5.62E-06	1.41E-01	3.81E-06
211	373419	757564	Offsite Worker	1.36E+00	2.89E-03	9.90E-01	3.96E-01	9.09E-01	6.99E-04	4.42E+00	8.03E-02	7.42E-01	2.65E-05	-7.48E-02	-5.75E-06	2.98E-01	5.14E-05	1.34E-01	6.36E-06	4.53E-01	1.23E-05
212	373419	757475	Offsite Worker	1.61E+00	3.42E-03	1.12E+00	4.48E-01	8.29E-01	6.37E-04	5.09E+00	9.25E-02	8.33E-01	2.98E-05	-7.04E-02	-5.41E-06	3.37E-01	5.81E-05	1.43E-01	6.82E-06	2.07E-01	5.58E-06
213	373420	757386	Offsite Worker	1.87E+00	3.98E-03	1.25E+00	5.00E-01	1.13E+00	8.67E-04	5.83E+00	1.06E-01	9.34E-01	3.34E-05	-6.30E-02	-4.85E-06	3.75E-01	6.47E-05	1.68E-01	7.99E-06	5.70E-01	1.54E-05
214	373420	757297	Offsite Worker	1.88E+00	4.00E-03	1.26E+00	5.05E-01	7.95E-01	6.11E-04	5.81E+00	1.06E-01	9.35E-01	3.34E-05	-6.53E-02	-5.03E-06	3.79E-01	6.54E-05	1.56E-01	7.42E-06	2.89E-02	7.82E-07
215	373421	757207	Offsite Worker	1.89E+00	4.02E-03	1.28E+00	5.10E-01	3.88E-01	2.99E-04	5.77E+00	1.05E-01	9.33E-01	3.33E-05	-6.80E-02	-5.23E-06	3.83E-01	6.60E-05	1.41E-01	6.72E-06	-5.97E-01	-1.61E-05
216	373421	757118	Offsite Worker	1.69E+00	3.59E-03	1.27E+00	5.08E-01	1.01E-02	7.76E-06	5.22E+00	9.48E-02	9.21E-01	3.29E-05	-1.08E-01	-8.32E-06	3.83E-01	6.61E-05	1.26E-01	5.99E-06	-1.22E+00	-3.29E-05
217	373292	757117	Offsite Worker	1.98E+00	4.22E-03	1.42E+00	5.67E-01	3.13E-01	2.40E-04	6.17E+00	1.12E-01	1.03E+00	3.69E-05	-9.95E-02	-7.65E-06	4.26E-01	7.34E-05	1.52E-01	7.24E-06	-8.59E-01	-2.32E-05
218	373213	757118	Offsite Worker	2.05E+00	4.37E-03	1.45E+00	5.79E-01	5.54E-01	4.26E-04	6.50E+00	1.18E-01	1.06E+00	3.80E-05	-9.61E-02	-7.39E-06	4.35E-01	7.50E-05	1.65E-01	7.85E-06	-5.11E-01	-1.38E-05
219	373158	757066	Offsite Worker	2.22E+00	4.72E-03	1.58E+00	6.31E-01	6.03E-01	4.64E-04	6.93E+00	1.26E-01	1.16E+00	4.14E-05	-1.09E-01	-8.36E-06	4.74E-01	8.17E-05	1.80E-01	8.55E-06	-5.49E-01	-1.48E-05
220	373084	757026	Offsite Worker	2.29E+00	4.88E-03	1.65E+00	6.59E-01	6.61E-01	5.08E-04	7.19E+00	1.31E-01	1.21E+00	4.32E-05	-1.18E-01	-9.08E-06	4.95E-01	8.53E-05	1.89E-01	8.99E-06	-5.24E-01	-1.42E-05
221	373009	757011	Offsite Worker	2.44E+00	5.20E-03	1.73E+00	6.91E-01	9.90E-01	7.61E-04	7.63E+00	1.39E-01	1.28E+00	4.56E-05	-1.16E-01	-8.93E-06	5.19E-01	8.95E-05	2.10E-01	9.99E-06	-8.46E-02	-2.29E-06
222	372922	757009	Offsite Worker	2.53E+00	5.38E-03	1.75E+00	7.01E-01	1.19E+00	9.17E-04	7.88E+00	1.43E-01	1.30E+00	4.64E-05	-1.08E-01	-8.29E-06	5.26E-01	9.08E-05	2.20E-01	1.05E-05	2.06E-01	5.58E-06
223	372835	757007	Offsite Worker	2.40E+00	5.12E-03	1.73E+00	6.90E-01	7.87E-01	6.06E-04	7.57E+00	1.38E-01	1.27E+00	4.54E-05	-1.23E-01	-9.46E-06	5.19E-01	8.94E-05	2.01E-01	9.59E-06	-4.10E-01	-1.11E-05
224	372747	757006	Offsite Worker	1.45E+00	3.08E-03	1.25E+00	5.01E-01	6.07E-01	4.67E-04	4.99E+00	9.07E-02	9.27E-01	3.31E-05	-1.49E-01	-1.15E-05	3.79E-01	6.54E-05	1.47E-01	7.02E-06	-3.38E-01	-9.15E-06
225	372660	757004	Offsite Worker	1.47E+00	3.13E-03	1.28E+00	5.12E-01	7.62E-01	5.86E-04	5.36E+00	9.75E-02	9.53E-01	3.40E-05	-1.55E-01	-1.19E-05	3.88E-01	6.70E-05	1.56E-01	7.45E-06	-1.33E-01	-3.60E-06
226	372651	757063	Offsite Worker	1.78E+00	3.79E-03	1.43E+00	5.73E-01	6.62E-01	5.09E-04	6.15E+00	1.12E-01	1.06E+00	3.78E-05	-1.46E-01	-1.12E-05	4.33E-01	7.46E-05	1.68E-01	7.98E-06	-3.97E-01	-1.07E-05
227	372629	756931	Offsite Worker	2.28E+00	4.84E-03	1.66E+00	6.63E-01	1.74E+00	1.34E-03	7.29E+00	1.32E-01	1.25E+00	4.46E-05	-1.24E-01	-9.58E-06	4.99E-01	8.61E-05	2.32E-01	1.11E-05	1.08E+00	2.92E-05
228	372631	756857	Offsite Worker	3.81E+00	8.11E-03	2.42E+00	9.67E-01	3.55E+00	2.73E-03	1.16E+01	2.10E-01	1.84E+00	6.58E-05	-8.20E-02	-6.31E-06	7.23E-01	1.25E-04	3.79E-01	1.80E-05	3.29E+00	8.90E-05
229	372634	756783	Offsite Worker	3.13E+00	6.66E-03	2.08E+00	8.32E-01	3.06E+00	2.36E-03	9.62E+00	1.75E-01	1.59E+00	5.67E-05	-1.01E-01	-7.75E-06	6.24E-01	1.08E-04	3.26E-01	1.55E-05	2.79E+00	7.55E-05
230	372702	756778	Offsite Worker	2.63E+00	5.60E-03	1.85E+00	7.41E-01	1.95E+00	1.50E-03	8.16E+00	1.48E-01	1.39E+00	4.98E-05	-1.21E-01	-9.33E-06	5.57E-01	9.61E-05	2.60E-01	1.24E-05	1.24E+00	3.36E-05
231	372756	756775	Offsite Worker	2.43E+00	5.17E-03	1.72E+00	6.88E-01	1.35E+00	1.03E-03	7.49E+00	1.36E-01	1.28E+00	4.58E-05	-1.16E-01	-8.94E-06	5.18E-01	8.92E-05	2.23E-01	1.06E-05	4.24E-01	1.15E-05
232	372729	756712	Offsite Worker	3.02E+00	6.43E-03	2.08E+00	8.34E-01	2.23E+00	1.72E-03	9.28E+00	1.69E-01	1.57E+00	5.61E-05	-1.25E-01	-9.59E-06	6.26E-01	1.08E-04	2.94E-01	1.40E-05	1.47E+00	3.98E-05
233	372703	756650	Offsite Worker	3.13E+00	6.66E-03	2.17E+00	8.68E-01	2.04E+00	1.57E-03	9.60E+00	1.74E-01	1.63E+00	5.81E-05	-1.33E-01	-1.02E-05	6.52E-01	1.12E-04	2.95E-01	1.40E-05	1.13E+00	3.05E-05
234	372677	756588	Offsite Worker	3.74E+00	7.96E-03	2.53E+00	1.01E+00	1.82E+00	1.40E-03	1.13E+01	2.06E-01	1.88E+00	6.71E-05	-1.37E-01	-1.06E-05	7.59E-01	1.31E-04	3.22E-01	1.53E-05	4.98E-01	1.35E-05
235	372619	756588	Offsite Worker	3.37E+00	7.18E-03	2.34E+00	9.37E-01	1.85E+00	1.42E-03	1.03E+01	1.87E-01	1.74E+00	6.23E-05	-1.44E-01	-1.11E-05	7.03E-01	1.21E-04	3.04E-01	1.45E-05	6.61E-01	1.79E-05
236	372622	756509	Offsite Worker	4.14E+00	8.81E-03	2.92E+00	1.17E+00	1.63E+00	1.26E-03	1.26E+01	2.30E-01	2.15E+00	7.70E-05	-1.93E-01	-1.49E-05	8.76E-01	1.51E-04	3.53E-01	1.68E-05	-1.47E-01	-3.98E-06
237	372700	756511	Offsite Worker	2.60E+00	5.54E-03	2.01E+00	8.06E-01	8.93E-01	6.87E-04	8.17E+00	1.49E-01	1.49E+00	5.30E-05	-1.85E-01	-1.42E-05	6.08E-01	1.05E-04	2.34E-01	1.12E-05	-5.61E-01	-1.52E-05
238	372789	756510	Offsite Worker	1.44E+00	3.06E-03	1.32E+00	5.29E-01	2.94E-01	2.27E-04	4.76E+00	8.65E-02	9.70E-01	3.46E-05	-1.76E-01	-1.36E-05	4.01E-01	6.92E-05	1.42E-01	6.76E-06	-9.15E-01	-2.47E-05
239	372871	756509	Offsite Worker	1.40E+00	2.99E-03	1.27E+00	5.10E-01	2.08E-01	1.60E-04	4.62E+00	8.39E-02	9.33E-01	3.33E-05	-1.67E-01	-1.28E-05	3.87E-01	6.67E-05	1.34E-01	6.38E-06	-9.95E-01	-2.69E-05
240	372871	756437	Offsite Worker	2.08E+00	4.43E-03	1.65E+00	6.59E-01	4.18E-01	3.21E-04	6.54E+00	1.19E-01	1.21E+00	4.31E-05	-1.61E-01	-1.24E-05	4.97E-01	8.57E-05	1.79E-01	8.54E-06	-9.44E-01	-2.55E-05
241	372970	756437	Offsite Worker	2.00E+00	4.25E-03	1.55E+00	6.21E-01	5.18E-01	3.98E-04	6.25E+00	1.14E-01	1.14E+00	4.07E-05	-1.44E-01	-1.11E-05	4.69E-01	8.08E-05	1.74E-01	8.28E-06	-7.04E-01	-1.90E-05
242	373069	756437	Offsite Worker	2.03E+00	4.31E-03	1.53E+00	6.11E-01	5.21E-01	4.01E-04	6.28E+00	1.14E-01	1.12E+00	4.01E-05	-1.30E-01	-9.98E-06	4.60E-01	7.94E-05	1.71E-01	8.16E-06	-6.65E-01	-1.80E-05
243	373168	756437	Offsite Worker	2.04E+00	4.33E-03	1.51E+00	6.04E-01	5.25E-01	4.04E-04	6.27E+00	1.14E-01	1.11E+00	3.96E-05	-1.22E-01	-9.37E-06	4.55E-01	7.84E-05	1.70E-01	8.09E-06	-6.28E-01	-1.70E-05
244	373267	756437	Offsite Worker	1.99E+00	4.24E-03	1.46E+00	5.86E-01	5.75E-01	4.42E-04	6.12E+00	1.11E-01	1.08E+00	3.84E-05	-1.15E-01	-8.82E-06	4.41E-01	7.60E-05	1.67E-01	7.97E-06	-5.01E-01	-1.35E-05
245	373412	756437	Offsite Worker	2.05E+00	4.37E-03	1.47E+00	5.88E-01	7.11E-01	5.47E-04	6.28E+00	1.14E-01	1.08E+00	3.87E-05	-1.04E-01	-7.99E-06	4.42E-01	7.62E-05	1.73E-01	8.25E-06	-2.81E-01	-7.60E-06
246	373409	756339	Offsite Worker	3.02E+00	6.43E-03	2.13E+00	8.50E-01	1.09E+00	8.42E-04	9.19E+00	1.67E-01	1.57E+00	5.60E-05	-1.39E-01	-1.07E-05	6.38E-01	1.10E-04	2.53E-01	1.21E-05	-2.65E-01	-7.16E-06
247	373406	756240	Offsite Worker	3.19E+00	6.78E-03	2.24E+00	8.98E-01	1.19E+00	9.18E-04	9.71E+00	1.77E-01	1.66E+00	5.91E-05	-1.48E-01	-1.14E-05	6.73E-01	1.16E-04	2.69E-01	1.28E-05	-1.82E-01	-4.91E-06
248	373403	756142	Offsite Worker	4.43E+00	9.43E-03	2.96E+00	1.18E+00	1.63E+00	1.25E-03	1.33E+01	2.42E-01	2.18E+00	7.78E-05	-1.48E-01	-1.14E-05	8.84E-01	1.52E-04	3.57E-01	1.70E-05	-7.81E-02	-2.11E-06
249	373400	756042	Offsite Worker	4.65E+00	9.88E-03	3.46E+00	1.38E+00	1.81E+00	1.40E-03	1.44E+01	2.63E-01	2.55E+00	9.10E-05	-2.80E-01	-2.16E-05	1.03E+00	1.78E-04	4.15E-01	1.98E-05	-1.80E-01	-4.86E-06
250	373397	755944	Offsite Worker	3.93E+00	8.36E-03	3.00E+00	1.20E+00	1.75E+00	1.34E-03	1.23E+01	2.24E-01	2.22E+00	7.92E-05	-2.64E-01	-2.03E-05	8.99E-01	1.55E-04	3.67E-01	1.75E-05	8.32E-02	2.25E-06
251	373393	755846	Offsite Worker	3.27E+00	6.95E-03	2.56E+00	1.02E+00	1.42E+00	1.09E-03	1.03E+01	1.88E-01	1.89E+00	6.75E-05	-2.42E-01	-1.86E-05	7.67E-01	1.32E-04	3.10E-01	1.48E-05	-6.05E-02	-1.63E-06
252	373390	755747	Offsite Worker	2.76E+00	5.87E-03	2.18E+00	8.72E-01	5.61E-01	4.32E-04	8.70E+00	1.58E-01	1.59E+00	5.68E-05	-2.11E-01	-1.62E-05	6.54E-01	1.13E-04	2.39E-01	1.14E-05	-1.04E+00	-2.81E-05
253	373309	755744	Offsite Worker	2.71E+00	5.77E-03	2.17E+00	8.66E-01	3.51E-01	2.70E-04	8.57E+00	1.56E-01	1.58E+00	5.63E-05	-2.16E-01	-1.66E-05	6.50E-01	1.12E-04	2.29E-01	1.09E-05	-1.35E+00	-3.64E-05
254	373229	755743	Offsite Worker	2.68E+00	5.70E-03	2.17E+00	8.67E-01	1.60E-01	1.23E-04	8.48E+00	1.54E-01	1.57E+00	5.62E-05	-2.23E-01	-1.72E-05	6.50E-01	1.12E-04	2.22E-01	1.06E-05	-1.64E+00	-4.44E-05
255	373143	755741	Offsite Worker	2.60E+00	5.53E-03	2.17E+00	8.67E-01	-5.97E-02	-4.59E-05	8.29E+00	1.51E-01	1.57E+00	5.59E-05	-2.39E-01	-1.84E-05	6.50E-01	1.12E-04	2.13E-01	1.01E-05	-1.98E+00	-5.35E-05
256	373143	755823	Offsite Worker	3.00E+00	6.38E-03	2.49E+00	9.95E-01	5.85E-01	4.50E-04	9.62E+00	1.75E-01	1.82E+00	6.49E-05	-2.72E-01	-2.09E-05	7.47E-01	1.29E-04	2.71E-01	1.29E-05	-1.25E+00	-3.39E-05
257	373143	755906	Offsite Worker	3.14E+00	6.69E-03	2.78E+00	1.11E+00	1.10E+00	8.49E-04	1.04E+01	1.89E-01	2.04E+00	7.30E-05	-3.45E-01	-2.65E-05	8.35E-01	1.44E-04	3.20E-01	1.53E-05	-7.21E-01	-1.95E-05
258	373065	755906	Offsite Worker	3.10E+00	6.59E-03	2.80E+00	1.12E+00	8.75E-01	6.73E-04	1.03E+01	1.87E-01	2.05E+00	7.33E-05	-3.61E-01	-2.78E-05	8.41E-01	1.45E-04	3.13E-01	1.49E-05	-1.08E+00	-2.92E-05
259	373065	755827	Offsite Worker	2.77E+00	5.88E-03	2.53E+00	1.01E+00	1.81E-01	1.39E-04	9.17E+00	1.67E-01	1.84E+00	6.57E-05	-3.34E-01	-2.57E-05	7.61E-01	1.31E-04	2.60E-01	1.24E-05	-1.91E+00	-5.16E-05
260	373068	755733	Offsite Worker	2.58E+00	5.49E-03	2.09E+00	8.35E-01	-1.29E-01	-9.89E-05	8.14E+00	1.48E-01	1.51E+00	5.38E-05	-2.16E-01	-1.66E-05	6.27E-01	1.08E-04	2.02E-01	9.64E-06	-2.03E+00	-5.49E-05

Table 3-2B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study - - Alternative 2, Horizon Year 2025
for Onsite and Offsite Receptors
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acetaldehyde Acute Hazard	acrolein (µg/m^3)	acrolein Acute Hazard	benzene (µg/m^3)	benzene Acute Hazard	formaldehyde (µg/m^3)	formaldehyde Acute Hazard	methyl alcohol (µg/m^3)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m^3)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m^3)	phenol (carbolic acid) Acute Hazard	styrene (µg/m^3)	styrene Acute Hazard	toluene (µg/m^3)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
261	373007	755733	Offsite Worker	2.47E+00	5.25E-03	2.02E+00	8.07E-01	-2.80E-01	-2.15E-04	7.79E+00	1.42E-01	1.45E+00	5.19E-05	-2.13E-01	-1.64E-05	6.06E-01	1.04E-04	1.89E-01	9.02E-06	-2.21E+00	-5.98E-05
262	372941	755733	Offsite Worker	2.41E+00	5.13E-03	1.96E+00	7.83E-01	-5.30E-01	-4.08E-04	7.56E+00	1.38E-01	1.40E+00	5.01E-05	-2.04E-01	-1.57E-05	5.88E-01	1.01E-04	1.73E-01	8.26E-06	-2.56E+00	-6.91E-05
263	372941	755636	Offsite Worker	1.87E+00	3.98E-03	1.49E+00	5.94E-01	-3.47E-01	-2.67E-04	5.81E+00	1.06E-01	1.07E+00	3.81E-05	-1.47E-01	-1.13E-05	4.47E-01	7.72E-05	1.33E-01	6.35E-06	-1.93E+00	-5.22E-05
264	372941	755539	Offsite Worker	1.98E+00	4.22E-03	1.52E+00	6.10E-01	-4.14E-01	-3.19E-04	6.09E+00	1.11E-01	1.09E+00	3.90E-05	-1.38E-01	-1.06E-05	4.58E-01	7.90E-05	1.35E-01	6.41E-06	-2.04E+00	-5.52E-05
265	372941	755442	Offsite Worker	1.91E+00	4.06E-03	1.51E+00	6.04E-01	-2.25E-01	-1.73E-04	5.93E+00	1.08E-01	1.09E+00	3.88E-05	-1.48E-01	-1.14E-05	4.54E-01	7.83E-05	1.41E-01	6.70E-06	-1.73E+00	-4.69E-05
266	372913	755342	Offsite Worker	2.67E+00	5.69E-03	1.92E+00	7.68E-01	-9.95E-02	-7.66E-05	8.09E+00	1.47E-01	1.38E+00	4.94E-05	-1.37E-01	-1.06E-05	5.75E-01	9.91E-05	1.86E-01	8.87E-06	-1.85E+00	-4.99E-05
267	372817	755346	Offsite Worker	2.62E+00	5.58E-03	1.90E+00	7.61E-01	-2.83E-01	-2.18E-04	7.94E+00	1.44E-01	1.37E+00	4.88E-05	-1.42E-01	-1.09E-05	5.70E-01	9.83E-05	1.77E-01	8.44E-06	-2.14E+00	-5.77E-05
268	372720	755349	Offsite Worker	2.86E+00	6.09E-03	2.03E+00	8.10E-01	-7.99E-01	-6.14E-04	8.55E+00	1.55E-01	1.44E+00	5.15E-05	-1.37E-01	-1.05E-05	6.06E-01	1.05E-04	1.69E-01	8.05E-06	-3.02E+00	-8.17E-05
269	372624	755352	Offsite Worker	2.97E+00	6.31E-03	2.06E+00	8.26E-01	-9.62E-01	-7.40E-04	8.81E+00	1.60E-01	1.46E+00	5.22E-05	-1.29E-01	-9.94E-06	6.17E-01	1.06E-04	1.66E-01	7.92E-06	-3.28E+00	-8.86E-05
270	372527	755349	Offsite Worker	2.94E+00	6.26E-03	2.04E+00	8.14E-01	-8.61E-01	-6.62E-04	8.73E+00	1.59E-01	1.44E+00	5.16E-05	-1.24E-01	-9.53E-06	6.09E-01	1.05E-04	1.68E-01	7.98E-06	-3.10E+00	-8.39E-05
271	372431	755353	Offsite Worker	3.30E+00	7.01E-03	2.23E+00	8.90E-01	-1.08E+00	-8.28E-04	9.69E+00	1.76E-01	1.57E+00	5.62E-05	-1.19E-01	-9.18E-06	6.65E-01	1.15E-04	1.78E-01	8.47E-06	-3.59E+00	-9.69E-05
272	372334	755356	Offsite Worker	3.94E+00	8.39E-03	2.57E+00	1.03E+00	1.15E-01	8.84E-05	1.16E+01	2.11E-01	1.86E+00	6.64E-05	-1.12E-01	-8.59E-06	7.68E-01	1.32E-04	2.59E-01	1.24E-05	-2.03E+00	-5.48E-05
273	372237	755359	Offsite Worker	3.54E+00	7.53E-03	2.33E+00	9.32E-01	-1.15E+00	-8.82E-04	1.03E+01	1.88E-01	1.65E+00	5.88E-05	-1.07E-01	-8.22E-06	6.95E-01	1.20E-04	1.85E-01	8.83E-06	-3.76E+00	-1.02E-04
274	372141	755362	Offsite Worker	3.26E+00	6.93E-03	2.16E+00	8.65E-01	-1.14E-02	-8.79E-06	9.65E+00	1.76E-01	1.56E+00	5.57E-05	-1.05E-01	-8.09E-06	6.45E-01	1.11E-04	2.14E-01	1.02E-05	-1.84E+00	-4.98E-05
275	372044	755366	Offsite Worker	3.90E+00	8.30E-03	2.51E+00	1.00E+00	3.24E-01	2.49E-04	1.15E+01	2.09E-01	1.82E+00	6.50E-05	-9.82E-02	-7.55E-06	7.49E-01	1.29E-04	2.62E-01	1.25E-05	-1.61E+00	-4.36E-05
276	371948	755369	Offsite Worker	3.61E+00	7.69E-03	2.40E+00	9.58E-01	9.44E-01	7.26E-04	1.08E+01	1.96E-01	1.75E+00	6.26E-05	-1.15E-01	-8.81E-06	7.15E-01	1.23E-04	2.74E-01	1.31E-05	-6.17E-01	-1.67E-05
277	371851	755372	Offsite Worker	2.27E+00	4.82E-03	1.84E+00	7.37E-01	-3.45E-01	-2.66E-04	7.12E+00	1.29E-01	1.33E+00	4.74E-05	-1.93E-01	-1.48E-05	5.55E-01	9.57E-05	1.69E-01	8.04E-06	-2.25E+00	-6.08E-05
278	371755	755375	Offsite Worker	1.55E+00	3.30E-03	1.61E+00	6.44E-01	-2.25E+00	-1.73E-03	5.14E+00	9.34E-02	1.11E+00	3.95E-05	-2.55E-01	-1.96E-05	4.86E-01	8.38E-05	7.08E-02	3.37E-06	-4.99E+00	-1.35E-04
279	371658	755378	Offsite Worker	1.07E+00	2.28E-03	1.40E+00	5.59E-01	-3.36E+00	-2.59E-03	3.75E+00	6.83E-02	9.25E-01	3.30E-05	-2.78E-01	-2.14E-05	4.24E-01	7.31E-05	6.22E-03	2.96E-07	-6.54E+00	-1.77E-04
280	371562	755382	Offsite Worker	1.21E+00	2.58E-03	1.45E+00	5.82E-01	-2.26E+00	-1.74E-03	4.22E+00	7.68E-02	9.97E-01	3.56E-05	-2.70E-01	-2.07E-05	4.41E-01	7.61E-05	5.51E-02	2.62E-06	-4.91E+00	-1.33E-04
281	371465	755385	Offsite Worker	2.60E+00	5.54E-03	2.12E+00	8.50E-01	-1.27E+00	-9.74E-04	8.10E+00	1.47E-01	1.50E+00	5.37E-05	-2.24E-01	-1.73E-05	6.39E-01	1.10E-04	1.60E-01	7.64E-06	-3.92E+00	-1.06E-04
282	371368	755388	Offsite Worker	3.83E+00	8.15E-03	2.69E+00	1.07E+00	-3.93E-01	-3.02E-04	1.15E+01	2.09E-01	1.93E+00	6.89E-05	-1.73E-01	-1.33E-05	8.04E-01	1.39E-04	2.50E-01	1.19E-05	-3.00E+00	-8.11E-05
283	371272	755391	Offsite Worker	3.62E+00	7.70E-03	2.59E+00	1.04E+00	1.33E-01	1.02E-04	1.10E+01	2.00E-01	1.87E+00	6.69E-05	-1.82E-01	-1.40E-05	7.75E-01	1.34E-04	2.62E-01	1.25E-05	-2.07E+00	-5.58E-05
284	371175	755395	Offsite Worker	2.65E+00	5.65E-03	2.13E+00	8.51E-01	-6.10E-01	-4.70E-04	8.30E+00	1.51E-01	1.52E+00	5.44E-05	-2.15E-01	-1.65E-05	6.39E-01	1.10E-04	1.87E-01	8.91E-06	-2.83E+00	-7.64E-05
285	371079	755398	Offsite Worker	1.83E+00	3.89E-03	1.59E+00	6.38E-01	2.84E-01	2.18E-04	5.97E+00	1.09E-01	1.16E+00	4.16E-05	-1.93E-01	-1.49E-05	4.80E-01	8.28E-05	1.70E-01	8.08E-06	-1.01E+00	-2.73E-05
286	371042	755478	Offsite Worker	1.74E+00	3.70E-03	1.55E+00	6.22E-01	1.85E-01	1.43E-04	5.73E+00	1.04E-01	1.13E+00	4.04E-05	-1.96E-01	-1.51E-05	4.68E-01	8.07E-05	1.62E-01	7.70E-06	-1.14E+00	-3.08E-05
287	371009	755538	Offsite Worker	3.20E+00	6.81E-03	2.35E+00	9.39E-01	9.98E-01	7.68E-04	9.90E+00	1.80E-01	1.72E+00	6.15E-05	-1.81E-01	-1.39E-05	7.03E-01	1.21E-04	2.72E-01	1.30E-05	-5.18E-01	-1.40E-05
288	370975	755597	Offsite Worker	1.83E+00	3.89E-03	1.54E+00	6.14E-01	1.91E+00	1.47E-03	6.05E+00	1.10E-01	1.17E+00	4.17E-05	-1.72E-01	-1.33E-05	4.63E-01	7.99E-05	2.28E-01	1.08E-05	1.52E+00	4.10E-05
289	370925	755597	Offsite Worker	1.43E+00	3.05E-03	1.35E+00	5.39E-01	1.26E+00	9.67E-04	4.93E+00	8.96E-02	1.01E+00	3.62E-05	-1.86E-01	-1.43E-05	4.07E-01	7.02E-05	1.84E-01	8.74E-06	6.74E-01	1.82E-05
290	370860	755547	Offsite Worker	3.76E-01	8.00E-04	9.88E-01	3.95E-01	-1.81E+00	-1.39E-03	1.95E+00	3.54E-02	6.74E-01	2.41E-05	-2.73E-01	-2.10E-05	3.02E-01	5.21E-05	2.74E-02	1.31E-06	-3.77E+00	-1.02E-04
291	370796	755497	Offsite Worker	3.46E+00	7.36E-03	2.50E+00	1.00E+00	1.53E+00	1.18E-03	1.07E+01	1.94E-01	1.85E+00	6.61E-05	-1.85E-01	-1.42E-05	7.50E-01	1.29E-04	3.09E-01	1.47E-05	1.63E-01	4.41E-06
292	370733	755428	Offsite Worker	1.57E+00	3.33E-03	1.58E+00	6.30E-01	-6.85E-01	-5.27E-04	5.30E+00	9.64E-02	1.13E+00	4.02E-05	-2.40E-01	-1.84E-05	4.77E-01	8.22E-05	1.29E-01	6.16E-06	-2.55E+00	-6.90E-05
293	370634	755428	Offsite Worker	2.33E+00	4.95E-03	2.04E+00	8.15E-01	5.20E-01	4.00E-04	7.62E+00	1.39E-01	1.49E+00	5.33E-05	-2.49E-01	-1.91E-05	6.14E-01	1.06E-04	2.23E-01	1.06E-05	-1.07E+00	-2.89E-05
294	370536	755428	Offsite Worker	4.08E+00	8.69E-03	2.88E+00	1.15E+00	4.69E-01	3.61E-04	1.24E+01	2.25E-01	2.10E+00	7.48E-05	-1.93E-01	-1.48E-05	8.63E-01	1.49E-04	3.04E-01	1.45E-05	-1.78E+00	-4.82E-05
295	370437	755428	Offsite Worker	4.38E+00	9.32E-03	3.09E+00	1.24E+00	-5.88E-01	-4.52E-04	1.32E+01	2.40E-01	2.22E+00	7.91E-05	-2.06E-01	-1.59E-05	9.25E-01	1.59E-04	2.83E-01	1.35E-05	-3.57E+00	-9.64E-05
296	370338	755427	Offsite Worker	5.52E+00	1.17E-02	3.82E+00	1.53E+00	-1.57E+00	-1.20E-03	1.64E+01	2.99E-01	2.71E+00	9.68E-05	-2.32E-01	-1.79E-05	1.14E+00	1.96E-04	3.17E-01	1.51E-05	-5.64E+00	-1.52E-04
307	369249	755442	Offsite Worker	3.02E+00	6.43E-03	2.37E+00	9.49E-01	1.02E+00	7.85E-04	9.58E+00	1.74E-01	1.75E+00	6.23E-05	-2.27E-01	-1.74E-05	7.13E-01	1.23E-04	2.76E-01	1.31E-05	-5.46E-01	-1.48E-05
308	369151	755442	Offsite Worker	2.89E+00	6.15E-03	2.39E+00	9.56E-01	5.84E-01	4.49E-04	9.28E+00	1.69E-01	1.75E+00	6.24E-05	-2.59E-01	-2.00E-05	7.19E-01	1.24E-04	2.60E-01	1.24E-05	-1.27E+00	-3.44E-05
309	369052	755442	Offsite Worker	2.78E+00	5.90E-03	2.35E+00	9.41E-01	1.40E-01	1.08E-04	8.94E+00	1.63E-01	1.71E+00	6.10E-05	-2.70E-01	-2.07E-05	7.08E-01	1.22E-04	2.39E-01	1.14E-05	-1.95E+00	-5.26E-05
320	368035	755402	Offsite Worker	2.26E+00	4.81E-03	1.76E+00	7.04E-01	3.15E-01	2.42E-04	7.13E+00	1.30E-01	1.28E+00	4.58E-05	-1.64E-01	-1.26E-05	5.29E-01	9.12E-05	1.87E-01	8.90E-06	-1.11E+00	-3.00E-05
321	367960	755389	Offsite Worker	2.18E+00	4.64E-03	1.72E+00	6.86E-01	2.44E-01	1.88E-04	6.90E+00	1.25E-01	1.25E+00	4.46E-05	-1.65E-01	-1.27E-05	5.16E-01	8.90E-05	1.80E-01	8.56E-06	-1.19E+00	-3.23E-05
322	367863	755390	Offsite Worker	2.16E+00	4.59E-03	1.75E+00	6.99E-01	4.05E-01	3.12E-04	6.93E+00	1.26E-01	1.28E+00	4.56E-05	-1.81E-01	-1.39E-05	5.26E-01	9.07E-05	1.89E-01	9.02E-06	-9.80E-01	-2.65E-05
323	367766	755392	Offsite Worker	2.14E+00	4.56E-03	1.73E+00	6.92E-01	7.69E-01	5.91E-04	6.92E+00	1.26E-01	1.27E+00	4.55E-05	-1.77E-01	-1.36E-05	5.20E-01	8.97E-05	2.02E-01	9.61E-06	-4.07E-01	-1.10E-05
324	367669	755393	Offsite Worker	1.96E+00	4.17E-03	1.67E+00	6.67E-01	4.21E-01	3.24E-04	6.42E+00	1.17E-01	1.22E+00	4.36E-05	-1.93E-01	-1.48E-05	5.03E-01	8.66E-05	1.82E-01	8.66E-06	-9.06E-01	-2.45E-05
325	367572	755394	Offsite Worker	1.78E+00	3.79E-03	1.57E+00	6.27E-01	9.25E-02	7.11E-05	5.90E+00	1.07E-01	1.14E+00	4.07E-05	-1.93E-01	-1.49E-05	4.73E-01	8.15E-05	1.59E-01	7.58E-06	-1.33E+00	-3.59E-05
326	367475	755395	Offsite Worker	1.61E+00	3.42E-03	1.43E+00	5.72E-01	-1.39E-01	-1.07E-04	5.34E+00	9.72E-02	1.03E+00	3.69E-05	-1.79E-01	-1.38E-05	4.31E-01	7.43E-05	1.36E-01	6.49E-06	-1.56E+00	-4.21E-05
327	370400	756850	On-Site Occupational	-1.05E-01	-2.23E-04	2.86E+00	1.14E+00	-5.94E+00	-4.57E-03	3.23E+00	5.87E-02	1.94E+00	6.94E-05	-1.03E+00	-7.95E-05	8.83E-01	1.52E-04	5.24E-02	2.50E-06	-1.22E+01	-3.29E-04
1	367379	755396	Recreational	1.43E+00	3.05E-03	1.35E+00	5.42E-01	-2.39E-01	-1.84E-04	4.88E+00	8.87E-02	9.78E-01	3.49E-05	-1.89E-01	-1.45E-05	4.10E-01	7.06E-05	1.25E-01	5.95E-06	-1.66E+00	-4.48E-05
2	367340	755485	Recreational	1.16E+00	2.48E-03	1.23E+00	4.90E-01	-1.56E-01	-1.20E-04	4.19E+00	7.62E-02	8.88E-01	3.17E-05	-1.97E-01	-1.52E-05	3.71E-01	6.40E-05	1.15E-01	5.50E-06	-1.43E+00	-3.87E-05
3	367301	755573	Recreational	1.59E+00	3.38E-03	1.39E+00	5.54E-01	-4.21E-01	-3.24E-04	5.30E+00	9.63E-02	9.94E-01	3.55E-05	-1.68E-01	-1.29E-05	4.18E-01	7.20E-05	1.21E-01	5.75E-06	-1.95E+00	-5.26E-05
4	367263	755661	Recreational	1.72E+00	3.67E-03	1.46E+00	5.83E-01	-8.40E-01	-6.46E-04	5.67E+00	1.03E-01	1.03E+00	3.69E-05	-1.66E-01	-1.28E-05	4.39E-01	7.57E-05	1.11E-01	5.30E-06	-2.65E+00	-7.16E-05
5	367224	755749	Recreational	1.75E+00	3.73E-03	1.52E+00	6.08E-01	-4.24E-01	-3.26E-04	5.90E+00	1.07E-01	1.09E+00	3.89E-05	-1.82E-01	-1.40E-05	4.58E-01	7.90E-05	1.34E-01	6.37E-06	-2.08E+00	-5.62E-05
6	367186	755838	Recreational	2.17E+00	4.62E-03	1.71E+00	6.86E-01	4.77E-01	3.67E-04	7.14E+00	1.30E-01	1.26E+00	4.48E-05	-1.67E-01	-1.28E-05	5.16E-01	8.90E-05	1.89E-01	8.98E-06	-8.55E-01	-2.31E-05
7	367147	755926	Recreational	2.39E+00	5.09E-03	1.78E+00	7.13E-01	1.18E+00	9.09E-04	7.78E+00	1.41E-01	1.32E+00	4.72E-05	-1.45E-01	-1.12E-05	5.35E-01	9.23E-05	2.23E-01	1.06E-05	2.17E-01	5.86E-06
8	367109	756014	Recreational	2.26E+00	4.80E-03	1.73E+00	6.92E-01	7.58E-01	5.83E-04	7.37E+00	1.34E-01	1.27E+00	4.54E-05	-1.54E-01	-1.18E-05	5.19E-01	8.95E-05	2.01E-01	9.59E-06	-3.91E-01	-1.06E-05
9	367070	756103	Recreational	2.78E+00	5.92E-03	1.97E+00	7.87E-01	7.19E-01	5.53E-04	8.74E+00	1.59E-01	1.44E+00	5.15E-05	-1.32E-01	-1.01E-05	5.89E-01	1.02E-04	2.23E-01	1.06E-05	-6.35E-01	-1.72E-05
10	367032	756191	Recreational	3.07E+00	6.53E-03	2.15E+00	8.61E-01	1.38E+00	1.06E-03	9.60E+00	1.74E-01	1.59E+00	5.69E-05	-1.39E-01	-1.07E-05	6.45E-01	1.11E-04	2.68E-01	1.28E-05	2.10E-01	5.66E-06
11	366993	756279	Recreational	3.28E+00	6.97E-03	2.30E+00	9.22E-01	1.38E+00	1.06E-03	1.02E+01	1.85E-01	1.70E+00	6.08E-05	-1.51E-01	-1.16E-05	6.91E-01	1.19E-04	2.82E-01	1.34E-05	4.92E-02	1.33E-06
12	366954	756367	Recreational	3.47E+00	7.39E-03	2.40E+00	9.62E-01	1.28E+00	9.82E-04	1.07E+01	1.94E-01	1.77E+00	6.33E-05	-1.46E-01	-1.13E-05	7.20E-01	1.24E-04	2.88E-01	1.37E-05	-1.85E-01	-4.99E-06
13	366916	756456	Recreational	3.38E+00	7.19E-03	2.32E+00	9.29E-01	1.19E+00	9.12E-04	1.03E+01	1.88E-01	1.71E+00	6.11E-05	-1.36E-01	-1.05E-05	6.95E-01	1.20E-04	2.77E-01	1.32E-05	-2.45E-01	-6.61E-06
14	366877	756544	Recreational	3.55E+00	7.56E-03	2.42E+00	9.68E-01	1.07E+00	8.27E-04	1.08E+01	1.96E-01	1.78E+00	6.35E-05	-1.36E-01	-1.04E-05	7.24E-01	1.25E-04	2.82E-01	1.34E-05	-4.94E-01	-1.34E-05
15	366839	756632	Recreational	3.31E+00	7.05E-03	2.29E+00	9.15E-01	6.81E-01	5.24E-04	1.01E+01	1.83E-01	1.67E+00	5.96E-05	-1.37E-01	-1.06E-05	6.84E-01	1.18E-04	2.53E-01	1.21E-05	-9.73E-01	-2.63E-05
16	366800	756720	Recreational	2.80E+00	5.95E-03	2.00E+00	7.99E-01	7.32E-01	5.63E-04	8.61E+00	1.56E-01	1.46E+00	5.23E-05	-1.39E-01	-1.07E-05	5.99E-01	1.03E-04	2.26E-01	1.08E-05	-6.92E-01	-1.87E-05
17	366762	756809	Recreational	2.57E+00	5.47E-03	1.82E+00	7.29E-01	9.55E-01	7.35E-04	7.92E+00	1.44E-01	1.35E+00	4.80E-05	-1.24E-01	-9.51E-06	5.48E-01	9.44E-05	2.18E-01	1.04E-05	-2.07E-01	-5.59E-06
18	366723	756897	Recreational	2.76E+00	5.87E-03	1.96E+00	7.84E-01	1.04E+00	8.03E-04	8.50E+00	1.55E-01	1.44E+00	5.16E-05	-1.33E-01	-1.03E-05	5.87E-01	1.01E-04	2.35E-01	1.12E-05	-1.45E-01	-3.93E-06

Table 3-2B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study - - Alternative 2, Horizon Year 2025
for Onsite and Offsite Receptors
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acetaldehyde Acute Hazard	acrolein (µg/m^3)	acrolein Acute Hazard	benzene (µg/m^3)	benzene Acute Hazard	formaldehyde (µg/m^3)	formaldehyde Acute Hazard	methyl alcohol (µg/m^3)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m^3)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m^3)	phenol (carbolic acid) Acute Hazard	styrene (µg/m^3)	styrene Acute Hazard	toluene (µg/m^3)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
19	366685	756985	Recreational	3.31E+00	7.04E-03	2.29E+00	9.16E-01	1.23E+00	9.43E-04	1.01E+01	1.83E-01	1.69E+00	6.03E-05	-1.39E-01	-1.07E-05	6.86E-01	1.18E-04	2.75E-01	1.31E-05	-1.56E-01	-4.23E-06
20	366646	757074	Recreational	3.94E+00	8.39E-03	2.66E+00	1.06E+00	1.37E+00	1.05E-03	1.19E+01	2.16E-01	1.96E+00	6.99E-05	-1.41E-01	-1.09E-05	7.96E-01	1.37E-04	3.17E-01	1.51E-05	-2.56E-01	-6.92E-06
21	366607	757162	Recreational	3.97E+00	8.44E-03	2.64E+00	1.05E+00	1.24E+00	9.57E-04	1.19E+01	2.16E-01	1.94E+00	6.92E-05	-1.29E-01	-9.89E-06	7.88E-01	1.36E-04	3.10E-01	1.48E-05	-4.01E-01	-1.08E-05
22	366569	757250	Recreational	3.83E+00	8.15E-03	2.46E+00	9.85E-01	1.26E+00	9.69E-04	1.14E+01	2.07E-01	1.81E+00	6.47E-05	-9.51E-02	-7.31E-06	7.35E-01	1.27E-04	2.94E-01	1.40E-05	-1.87E-01	-5.05E-06
23	366530	757338	Recreational	3.67E+00	7.82E-03	2.40E+00	9.58E-01	1.19E+00	9.15E-04	1.10E+01	1.99E-01	1.76E+00	6.29E-05	-1.02E-01	-7.88E-06	7.16E-01	1.23E-04	2.84E-01	1.35E-05	-2.49E-01	-6.73E-06
24	366492	757427	Recreational	3.69E+00	7.85E-03	2.41E+00	9.66E-01	1.29E+00	9.93E-04	1.10E+01	2.00E-01	1.78E+00	6.35E-05	-1.06E-01	-8.13E-06	7.21E-01	1.24E-04	2.90E-01	1.38E-05	-1.19E-01	-3.22E-06
25	366453	757515	Recreational	3.79E+00	8.06E-03	2.47E+00	9.88E-01	1.35E+00	1.04E-03	1.13E+01	2.05E-01	1.82E+00	6.49E-05	-1.05E-01	-8.10E-06	7.38E-01	1.27E-04	2.98E-01	1.42E-05	-6.47E-02	-1.75E-06
26	366415	757603	Recreational	3.86E+00	8.21E-03	2.51E+00	1.00E+00	1.36E+00	1.04E-03	1.15E+01	2.09E-01	1.85E+00	6.60E-05	-1.07E-01	-8.20E-06	7.50E-01	1.29E-04	3.02E-01	1.44E-05	-8.79E-02	-2.38E-06
27	366376	757692	Recreational	3.82E+00	8.12E-03	2.51E+00	1.00E+00	1.25E+00	9.61E-04	1.14E+01	2.07E-01	1.85E+00	6.59E-05	-1.14E-01	-8.75E-06	7.50E-01	1.29E-04	2.98E-01	1.42E-05	-2.51E-01	-6.78E-06
84	369336	758100	Recreational	3.63E+00	7.73E-03	2.51E+00	1.00E+00	1.05E+00	8.10E-04	1.10E+01	2.00E-01	1.84E+00	6.57E-05	-1.51E-01	-1.16E-05	7.50E-01	1.29E-04	2.90E-01	1.38E-05	-5.60E-01	-1.51E-05
85	369269	758170	Recreational	4.43E+00	9.42E-03	2.95E+00	1.18E+00	1.15E+00	8.84E-04	1.33E+01	2.41E-01	2.16E+00	7.72E-05	-1.47E-01	-1.13E-05	8.82E-01	1.52E-04	3.38E-01	1.61E-05	-7.62E-01	-2.06E-05
86	369202	758239	Recreational	4.17E+00	8.86E-03	2.84E+00	1.14E+00	7.63E-01	5.87E-04	1.25E+01	2.28E-01	2.07E+00	7.40E-05	-1.61E-01	-1.24E-05	8.50E-01	1.47E-04	3.12E-01	1.49E-05	-1.28E+00	-3.47E-05
87	369264	758285	Recreational	3.76E+00	8.00E-03	2.57E+00	1.03E+00	1.05E+00	8.10E-04	1.14E+01	2.07E-01	1.88E+00	6.73E-05	-1.46E-01	-1.13E-05	7.68E-01	1.32E-04	2.96E-01	1.41E-05	-5.90E-01	-1.59E-05
88	369326	758330	Recreational	2.60E+00	5.54E-03	1.86E+00	7.44E-01	1.18E+00	9.11E-04	8.03E+00	1.46E-01	1.38E+00	4.92E-05	-1.30E-01	-1.00E-05	5.57E-01	9.61E-05	2.31E-01	1.10E-05	1.97E-01	5.32E-06
89	369389	758376	Recreational	8.34E-01	1.77E-03	8.72E-01	3.49E-01	1.74E-01	1.34E-04	2.93E+00	5.33E-02	6.40E-01	2.28E-05	-1.39E-01	-1.07E-05	2.64E-01	4.56E-05	9.35E-02	4.45E-06	-5.80E-01	-1.57E-05
90	369389	758462	Recreational	4.22E-01	8.97E-04	6.55E-01	2.62E-01	-1.99E-01	-1.53E-04	1.75E+00	3.17E-02	4.74E-01	1.69E-05	-1.46E-01	-1.13E-05	2.00E-01	3.45E-05	5.72E-02	2.73E-06	-9.90E-01	-2.68E-05
91	369389	758548	Recreational	9.58E-02	2.04E-04	4.87E-01	1.95E-01	-4.97E-01	-3.83E-04	8.10E-01	1.47E-02	3.45E-01	1.23E-05	-1.53E-01	-1.18E-05	1.51E-01	2.60E-05	2.88E-02	1.37E-06	-1.32E+00	-3.58E-05
28	366338	757780	Residential	3.69E+00	7.86E-03	2.43E+00	9.72E-01	1.37E+00	1.06E-03	1.10E+01	2.01E-01	1.79E+00	6.40E-05	-1.11E-01	-8.50E-06	7.26E-01	1.25E-04	2.95E-01	1.40E-05	-8.98E-03	-2.43E-07
29	366402	757746	Residential	3.77E+00	8.01E-03	2.48E+00	9.92E-01	1.37E+00	1.05E-03	1.13E+01	2.05E-01	1.83E+00	6.52E-05	-1.14E-01	-8.75E-06	7.41E-01	1.28E-04	2.99E-01	1.43E-05	-5.61E-02	-1.51E-06
30	366467	757713	Residential	3.84E+00	8.17E-03	2.53E+00	1.01E+00	1.35E+00	1.04E-03	1.15E+01	2.09E-01	1.86E+00	6.66E-05	-1.17E-01	-9.03E-06	7.57E-01	1.30E-04	3.04E-01	1.45E-05	-1.19E-01	-3.23E-06
31	366531	757679	Residential	3.97E+00	8.44E-03	2.61E+00	1.04E+00	1.38E+00	1.06E-03	1.19E+01	2.16E-01	1.92E+00	6.87E-05	-1.20E-01	-9.23E-06	7.81E-01	1.35E-04	3.13E-01	1.49E-05	-1.50E-01	-4.07E-06
32	366567	757773	Residential	4.08E+00	8.67E-03	2.67E+00	1.07E+00	1.64E+00	1.26E-03	1.22E+01	2.21E-01	1.97E+00	7.04E-05	-1.17E-01	-9.03E-06	7.97E-01	1.37E-04	3.29E-01	1.57E-05	1.94E-01	5.25E-06
33	366625	757758	Residential	4.19E+00	8.91E-03	2.74E+00	1.09E+00	1.69E+00	1.30E-03	1.25E+01	2.27E-01	2.02E+00	7.22E-05	-1.19E-01	-9.19E-06	8.18E-01	1.41E-04	3.38E-01	1.61E-05	2.22E-01	6.00E-06
34	366682	757744	Residential	4.30E+00	9.15E-03	2.81E+00	1.12E+00	1.75E+00	1.35E-03	1.28E+01	2.34E-01	2.07E+00	7.41E-05	-1.22E-01	-9.35E-06	8.39E-01	1.45E-04	3.47E-01	1.65E-05	2.52E-01	6.80E-06
35	366768	757788	Residential	4.54E+00	9.65E-03	2.99E+00	1.20E+00	1.62E+00	1.24E-03	1.36E+01	2.47E-01	2.20E+00	7.87E-05	-1.39E-01	-1.07E-05	8.94E-01	1.54E-04	3.60E-01	1.71E-05	-9.61E-02	-2.60E-06
36	366854	757833	Residential	4.93E+00	1.05E-02	3.23E+00	1.29E+00	1.78E+00	1.37E-03	1.47E+01	2.67E-01	2.38E+00	8.49E-05	-1.43E-01	-1.10E-05	9.64E-01	1.66E-04	3.90E-01	1.86E-05	-4.55E-02	-1.23E-06
37	366941	757877	Residential	5.01E+00	1.07E-02	3.26E+00	1.30E+00	1.87E+00	1.44E-03	1.49E+01	2.71E-01	2.40E+00	8.58E-05	-1.38E-01	-1.06E-05	9.73E-01	1.68E-04	3.96E-01	1.89E-05	6.22E-02	1.68E-06
38	367027	757922	Residential	4.78E+00	1.02E-02	3.11E+00	1.24E+00	1.82E+00	1.40E-03	1.42E+01	2.59E-01	2.29E+00	8.19E-05	-1.32E-01	-1.01E-05	9.29E-01	1.60E-04	3.80E-01	1.81E-05	1.15E-01	3.11E-06
39	367113	757966	Residential	4.34E+00	9.23E-03	2.83E+00	1.13E+00	1.62E+00	1.25E-03	1.29E+01	2.35E-01	2.09E+00	7.46E-05	-1.23E-01	-9.43E-06	8.46E-01	1.46E-04	3.45E-01	1.64E-05	5.45E-02	1.47E-06
40	367192	757916	Residential	4.75E+00	1.01E-02	3.09E+00	1.24E+00	1.78E+00	1.37E-03	1.42E+01	2.58E-01	2.28E+00	8.14E-05	-1.30E-01	-9.98E-06	9.23E-01	1.59E-04	3.76E-01	1.79E-05	7.77E-02	2.10E-06
41	367264	757916	Residential	4.71E+00	1.00E-02	3.07E+00	1.23E+00	1.64E+00	1.26E-03	1.40E+01	2.55E-01	2.26E+00	8.06E-05	-1.30E-01	-9.97E-06	9.16E-01	1.58E-04	3.68E-01	1.75E-05	-1.17E-01	-3.16E-06
42	367335	757916	Residential	4.69E+00	9.98E-03	3.08E+00	1.23E+00	1.41E+00	1.09E-03	1.40E+01	2.54E-01	2.26E+00	8.06E-05	-1.37E-01	-1.06E-05	9.19E-01	1.58E-04	3.60E-01	1.72E-05	-4.70E-01	-1.27E-05
43	367343	757966	Residential	5.43E+00	1.16E-02	3.51E+00	1.41E+00	1.64E+00	1.26E-03	1.61E+01	2.93E-01	2.58E+00	9.20E-05	-1.41E-01	-1.08E-05	1.05E+00	1.81E-04	4.13E-01	1.97E-05	-4.46E-01	-1.21E-05
44	367404	757995	Residential	6.70E+00	1.42E-02	4.25E+00	1.70E+00	2.27E+00	1.75E-03	1.98E+01	3.60E-01	3.12E+00	1.12E-04	-1.46E-01	-1.12E-05	1.27E+00	2.18E-04	5.11E-01	2.43E-05	-6.36E-02	-1.72E-06
45	367465	758024	Residential	7.14E+00	1.52E-02	4.54E+00	1.82E+00	2.53E+00	1.95E-03	2.11E+01	3.84E-01	3.34E+00	1.19E-04	-1.57E-01	-1.21E-05	1.35E+00	2.33E-04	5.50E-01	2.62E-05	8.30E-02	2.24E-06
55	367673	758189	Residential	4.69E+00	9.97E-03	3.15E+00	1.26E+00	1.48E+00	1.14E-03	1.41E+01	2.56E-01	2.31E+00	8.25E-05	-1.63E-01	-1.25E-05	9.40E-01	1.62E-04	3.70E-01	1.76E-05	-4.38E-01	-1.18E-05
59	367816	758096	Residential	4.64E+00	9.87E-03	3.14E+00	1.26E+00	1.49E+00	1.15E-03	1.40E+01	2.54E-01	2.31E+00	8.24E-05	-1.70E-01	-1.31E-05	9.39E-01	1.62E-04	3.70E-01	1.76E-05	-4.35E-01	-1.18E-05
60	367898	758066	Residential	4.28E+00	9.11E-03	2.97E+00	1.19E+00	1.38E+00	1.06E-03	1.30E+01	2.36E-01	2.18E+00	7.80E-05	-1.83E-01	-1.41E-05	8.89E-01	1.53E-04	3.49E-01	1.66E-05	-4.75E-01	-1.28E-05
61	367980	758035	Residential	4.29E+00	9.13E-03	3.01E+00	1.20E+00	1.43E+00	1.10E-03	1.31E+01	2.38E-01	2.21E+00	7.90E-05	-1.93E-01	-1.49E-05	9.00E-01	1.55E-04	3.54E-01	1.69E-05	-4.39E-01	-1.19E-05
62	368062	758005	Residential	4.30E+00	9.15E-03	3.04E+00	1.22E+00	1.44E+00	1.11E-03	1.31E+01	2.39E-01	2.24E+00	7.99E-05	-2.04E-01	-1.57E-05	9.10E-01	1.57E-04	3.58E-01	1.71E-05	-4.47E-01	-1.21E-05
63	368144	757975	Residential	4.23E+00	9.00E-03	3.03E+00	1.21E+00	1.31E+00	1.01E-03	1.30E+01	2.36E-01	2.22E+00	7.94E-05	-2.13E-01	-1.64E-05	9.07E-01	1.56E-04	3.52E-01	1.68E-05	-6.38E-01	-1.72E-05
64	368226	757945	Residential	4.01E+00	8.53E-03	2.94E+00	1.17E+00	1.13E+00	8.69E-04	1.24E+01	2.25E-01	2.15E+00	7.69E-05	-2.25E-01	-1.73E-05	8.79E-01	1.52E-04	3.36E-01	1.60E-05	-8.45E-01	-2.28E-05
65	368301	757943	Residential	3.68E+00	7.83E-03	2.79E+00	1.12E+00	1.07E+00	8.22E-04	1.15E+01	2.09E-01	2.05E+00	7.32E-05	-2.41E-01	-1.85E-05	8.37E-01	1.44E-04	3.19E-01	1.52E-05	-8.36E-01	-2.26E-05
66	368376	757941	Residential	3.42E+00	7.27E-03	2.67E+00	1.07E+00	1.21E+00	9.28E-04	1.08E+01	1.96E-01	1.96E+00	7.01E-05	-2.51E-01	-1.93E-05	8.01E-01	1.38E-04	3.12E-01	1.49E-05	-5.38E-01	-1.46E-05
67	368452	757940	Residential	3.54E+00	7.53E-03	2.67E+00	1.07E+00	1.58E+00	1.21E-03	1.11E+01	2.02E-01	1.97E+00	7.05E-05	-2.26E-01	-1.74E-05	8.01E-01	1.38E-04	3.27E-01	1.56E-05	4.24E-02	1.14E-06
68	368527	757938	Residential	3.20E+00	6.81E-03	2.52E+00	1.01E+00	1.24E+00	9.54E-04	1.02E+01	1.85E-01	1.86E+00	6.63E-05	-2.40E-01	-1.85E-05	7.56E-01	1.30E-04	2.98E-01	1.42E-05	-3.71E-01	-1.00E-05
69	368563	757880	Residential	3.48E+00	7.41E-03	2.69E+00	1.07E+00	1.48E+00	1.14E-03	1.10E+01	2.00E-01	1.99E+00	7.09E-05	-2.44E-01	-1.87E-05	8.07E-01	1.39E-04	3.25E-01	1.55E-05	-1.34E-01	-3.62E-06
70	368636	757926	Residential	3.29E+00	7.01E-03	2.60E+00	1.04E+00	5.40E-01	4.15E-04	1.04E+01	1.89E-01	1.89E+00	6.76E-05	-2.50E-01	-1.93E-05	7.80E-01	1.34E-04	2.79E-01	1.33E-05	-1.52E+00	-4.11E-05
71	368709	757971	Residential	1.29E+00	2.75E-03	1.47E+00	5.90E-01	-2.66E+00	-2.05E-03	4.40E+00	8.00E-02	1.00E+00	3.57E-05	-2.61E-01	-2.01E-05	4.47E-01	7.71E-05	4.13E-02	1.97E-06	-5.55E+00	-1.50E-04
72	368782	758017	Residential	2.12E+00	4.52E-03	1.94E+00	7.75E-01	-2.90E+00	-2.23E-03	6.72E+00	1.22E-01	1.33E+00	4.73E-05	-2.56E-01	-1.97E-05	5.84E-01	1.01E-04	7.78E-02	3.70E-06	-6.27E+00	-1.69E-04
73	368855	758062	Residential	4.29E+00	9.13E-03	3.11E+00	1.24E+00	2.77E-01	2.13E-04	1.31E+01	2.38E-01	2.25E+00	8.04E-05	-2.29E-01	-1.76E-05	9.30E-01	1.60E-04	3.19E-01	1.52E-05	-2.27E+00	-6.14E-05
74	368928	758108	Residential	5.74E+00	1.22E-02	3.83E+00	1.53E+00	1.67E+00	1.28E-03	1.72E+01	3.13E-01	2.81E+00	1.00E-04	-1.90E-01	-1.46E-05	1.14E+00	1.97E-04	4.45E-01	2.12E-05	-6.81E-01	-1.84E-05
75	369001	758153	Residential	5.59E+00	1.19E-02	3.66E+00	1.46E+00	2.79E+00	2.15E-03	1.68E+01	3.05E-01	2.72E+00	9.70E-05	-1.61E-01	-1.24E-05	1.09E+00	1.88E-04	4.73E-01	2.25E-05	1.19E+00	3.22E-05
76	369058	758074	Residential	5.66E+00	1.20E-02	3.74E+00	1.50E+00	2.70E+00	2.07E-03	1.70E+01	3.10E-01	2.77E+00	9.90E-05	-1.75E-01	-1.35E-05	1.12E+00	1.92E-04	4.77E-01	2.27E-05	9.66E-01	2.61E-05
77	369102	758103	Residential	5.45E+00	1.16E-02	3.65E+00	1.46E+00	1.59E+00	1.22E-03	1.64E+01	2.98E-01	2.68E+00	9.57E-05	-1.87E-01	-1.44E-05	1.09E+00	1.88E-04	4.25E-01	2.02E-05	-6.68E-01	-1.81E-05
78	369145	758132	Residential	5.02E+00	1.07E-02	3.40E+00	1.36E+00	8.00E-01	6.15E-04	1.51E+01	2.74E-01	2.47E+00	8.84E-05	-1.86E-01	-1.43E-05	1.02E+00	1.75E-04	3.68E-01	1.75E-05	-1.69E+00	-4.56E-05
79	369200	758065	Residential	4.50E+00	9.57E-03	3.14E+00	1.26E+00	6.05E-01	4.65E-04	1.36E+01	2.48E-01	2.28E+00	8.16E-05	-1.99E-01	-1.53E-05	9.39E-01	1.62E-04	3.35E-01	1.60E-05	-1.79E+00	-4.84E-05
80	369255	757998	Residential	4.41E+00	9.38E-03	3.13E+00	1.25E+00	5.69E-01	4.38E-04	1.34E+01	2.44E-01	2.28E+00	8.14E-05	-2.15E-01	-1.65E-05	9.38E-01	1.62E-04	3.33E-01	1.59E-05	-1.86E+00	-5.02E-05
81	369310	757931	Residential	4.70E+00	1.00E-02	3.29E+00	1.31E+00	4.36E-01	3.35E-04	1.42E+01	2.59E-01	2.38E+00	8.51E-05	-2.09E-01	-1.61E-05	9.83E-01	1.69E-04	3.43E-01	1.63E-05	-2.17E+00	-5.87E-05
82	369356	757981	Residential	4.27E+00	9.08E-03	2.86E+00	1.15E+00	9.56E-01	7.35E-04	1.28E+01	2.33E-01	2.09E+00	7.47E-05	-1.48E-01	-1.14E-05	8.56E-01	1.48E-04	3.21E-01	1.53E-05	-9.94E-01	-2.69E-05
83	369403	758031	Residential	2.23E+00	4.75E-03	1.67E+00	6.70E-01	1.33E+00	1.03E-03	7.04E+00	1.28E-01	1.25E+00	4.46E-05	-1.40E-01	-1.07E-05	5.03E-01	8.67E-05	2.19E-01	1.04E-05	5.40E-01	1.46E-05
92	369389	758634	Residential	-4.11E-03	-8.75E-06	4.31E-01	1.72E-01	-7.07E-01	-5.44E-04	5.03E-01	9.15E-03	2.99E-01	1.07E-05	-1.53E-01	-1.18E-05	1.34E-01	2.31E-05	1.49E-02	7.10E-07	-1.60E+00	-4.33E-05
93	369469	758630	Residential	-1.06E+00	-2.25E-03	-6.00E-02	-2.40E-02	-1.86E+00	-1.43E-03	-2.45E+00	-4.46E-02	-8.35E-02	-2.98E-06	-1.93E-01	-1.49E-05	-1.02E-02	-1.77E-06	-7.92E-02	-3.77E-06	-3.02E+00	-8.16E-05
94	369549	758625	Residential	-4.44E-01	-9.45E-04	2.92E-01	1.17E-01	-2.27E+00	-1.74E-03	-7.58E-01	-1.38E-02	1.58E-01	5.63E-06	-1.94E-01	-1.49E-05	9.40E-02	1.62E-05	-6.04E-02	-2.88E-06	-3.93E+00	-1.06E-04
95	369630	758621	Residential	6.89E-01	1.47E-03	9.16E-01	3.66E-01	-1.36E+00	-1.05E-03	2.52E+00	4.58E-02	6.31E-01	2.25E-05	-1.85E-01	-1.42E-05	2.79E-01	4.81E-05	3.71E-02	1.77E-06	-3.03E+00	-8.20E-05

Table 3-2B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study - - Alternative 2, Horizon Year 2025
for Onsite and Offsite Receptors
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acetaldehyde Acute Hazard	acrolein (µg/m^3)	acrolein Acute Hazard	benzene (µg/m^3)	benzene Acute Hazard	formaldehyde (µg/m^3)	formaldehyde Acute Hazard	methyl alcohol (µg/m^3)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m^3)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m^3)	phenol (carbolic acid) Acute Hazard	styrene (µg/m^3)	styrene Acute Hazard	toluene (µg/m^3)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
96	369710	758617	Residential	1.49E+00	3.16E-03	1.28E+00	5.13E-01	-1.50E-01	-1.15E-04	4.79E+00	8.71E-02	9.25E-01	3.30E-05	-1.52E-01	-1.17E-05	3.86E-01	6.66E-05	1.21E-01	5.77E-06	-1.43E+00	-3.87E-05
97	369791	758613	Residential	1.61E+00	3.43E-03	1.28E+00	5.13E-01	1.26E-01	9.71E-05	5.09E+00	9.25E-02	9.31E-01	3.33E-05	-1.27E-01	-9.74E-06	3.85E-01	6.64E-05	1.32E-01	6.29E-06	-9.59E-01	-2.59E-05
98	369791	758514	Residential	1.64E+00	3.49E-03	1.30E+00	5.20E-01	2.50E-01	1.92E-04	5.18E+00	9.41E-02	9.48E-01	3.39E-05	-1.28E-01	-9.82E-06	3.91E-01	6.74E-05	1.39E-01	6.60E-06	-8.08E-01	-2.18E-05
99	369791	758416	Residential	1.68E+00	3.58E-03	1.32E+00	5.29E-01	4.34E-01	3.34E-04	5.32E+00	9.68E-02	9.71E-01	3.47E-05	-1.27E-01	-9.74E-06	3.98E-01	6.86E-05	1.48E-01	7.06E-06	-5.51E-01	-1.49E-05
100	369791	758318	Residential	1.97E+00	4.18E-03	1.47E+00	5.86E-01	3.40E-01	2.62E-04	6.10E+00	1.11E-01	1.07E+00	3.82E-05	-1.20E-01	-9.22E-06	4.40E-01	7.58E-05	1.59E-01	7.56E-06	-7.94E-01	-2.15E-05
101	369881	758318	Residential	3.96E-01	8.43E-04	6.81E-01	2.73E-01	-6.29E-01	-4.84E-04	1.69E+00	3.07E-02	4.82E-01	1.72E-05	-1.61E-01	-1.24E-05	2.09E-01	3.60E-05	4.27E-02	2.03E-06	-1.70E+00	-4.61E-05
102	369972	758318	Residential	3.34E-01	7.11E-04	7.46E-01	2.98E-01	-1.31E+00	-1.01E-03	1.58E+00	2.88E-02	5.11E-01	1.82E-05	-1.96E-01	-1.51E-05	2.29E-01	3.94E-05	2.25E-02	1.07E-06	-2.81E+00	-7.59E-05
103	370062	758318	Residential	9.33E-01	1.99E-03	1.12E+00	4.49E-01	-1.70E+00	-1.30E-03	3.30E+00	6.00E-02	7.71E-01	2.75E-05	-2.09E-01	-1.60E-05	3.41E-01	5.87E-05	4.48E-02	2.13E-06	-3.69E+00	-9.98E-05
104	370153	758318	Residential	9.71E-01	2.07E-03	1.14E+00	4.56E-01	-1.40E+00	-1.08E-03	3.42E+00	6.22E-02	7.91E-01	2.83E-05	-2.06E-01	-1.59E-05	3.46E-01	5.96E-05	5.79E-02	2.76E-06	-3.27E+00	-8.83E-05
105	370243	758318	Residential	1.38E+00	2.93E-03	1.40E+00	5.59E-01	-1.44E+00	-1.10E-03	4.61E+00	8.39E-02	9.74E-01	3.48E-05	-2.15E-01	-1.65E-05	4.22E-01	7.27E-05	8.21E-02	3.91E-06	-3.51E+00	-9.49E-05
111	370408	758347	Residential	5.36E-01	1.14E-03	1.02E+00	4.08E-01	-2.83E+00	-2.18E-03	2.21E+00	4.02E-02	6.68E-01	2.38E-05	-2.53E-01	-1.94E-05	3.12E-01	5.37E-05	-1.03E-02	-4.91E-07	-5.41E+00	-1.46E-04
112	370490	758344	Residential	-7.96E-01	-1.69E-03	3.55E-01	1.42E-01	-2.92E+00	-2.25E-03	-1.45E+00	-2.65E-02	1.90E-01	6.79E-06	-2.87E-01	-2.21E-05	1.16E-01	2.00E-05	-7.98E-02	-3.80E-06	-5.07E+00	-1.37E-04
113	370572	758341	Residential	-1.06E+00	-2.26E-03	2.48E-01	9.92E-02	-3.16E+00	-2.43E-03	-2.18E+00	-3.95E-02	1.07E-01	3.83E-06	-3.04E-01	-2.34E-05	8.47E-02	1.46E-05	-9.98E-02	-4.75E-06	-5.36E+00	-1.45E-04
114	370654	758338	Residential	-4.10E-01	-8.72E-04	7.36E-01	2.94E-01	-3.16E+00	-2.43E-03	-1.60E-01	-2.91E-03	4.60E-01	1.64E-05	-3.44E-01	-2.64E-05	2.31E-01	3.97E-05	-5.11E-02	-2.43E-06	-5.75E+00	-1.55E-04
115	370735	758335	Residential	1.56E-01	3.32E-04	8.98E-01	3.59E-01	-2.61E+00	-2.01E-03	1.28E+00	2.32E-02	5.89E-01	2.10E-05	-2.86E-01	-2.20E-05	2.77E-01	4.78E-05	-1.37E-02	-6.55E-07	-5.03E+00	-1.36E-04
116	370817	758333	Residential	9.60E-01	2.04E-03	1.24E+00	4.97E-01	-1.63E+00	-1.25E-03	3.51E+00	6.39E-02	8.60E-01	3.07E-05	-2.45E-01	-1.88E-05	3.78E-01	6.51E-05	5.92E-02	2.82E-06	-3.74E+00	-1.01E-04
130	371183	758027	Residential	4.22E+00	8.99E-03	3.07E+00	1.23E+00	4.73E-01	3.64E-04	1.29E+01	2.35E-01	2.23E+00	7.97E-05	-2.30E-01	-1.77E-05	9.20E-01	1.59E-04	3.23E-01	1.54E-05	-1.99E+00	-5.39E-05
131	371248	758024	Residential	4.35E+00	9.25E-03	3.17E+00	1.27E+00	1.68E-01	1.29E-04	1.33E+01	2.42E-01	2.30E+00	8.20E-05	-2.41E-01	-1.85E-05	9.50E-01	1.64E-04	3.21E-01	1.53E-05	-2.51E+00	-6.79E-05
132	371326	758075	Residential	4.54E+00	9.67E-03	3.22E+00	1.29E+00	1.80E-01	1.39E-04	1.38E+01	2.51E-01	2.33E+00	8.33E-05	-2.19E-01	-1.69E-05	9.65E-01	1.66E-04	3.27E-01	1.56E-05	-2.53E+00	-6.85E-05
133	371404	758127	Residential	4.39E+00	9.33E-03	3.09E+00	1.24E+00	4.74E-01	3.65E-04	1.33E+01	2.42E-01	2.25E+00	8.02E-05	-2.05E-01	-1.57E-05	9.26E-01	1.60E-04	3.25E-01	1.55E-05	-2.00E+00	-5.41E-05
134	371481	758178	Residential	4.41E+00	9.38E-03	3.09E+00	1.23E+00	6.24E-01	4.80E-04	1.33E+01	2.43E-01	2.25E+00	8.02E-05	-1.98E-01	-1.52E-05	9.24E-01	1.59E-04	3.30E-01	1.57E-05	-1.77E+00	-4.79E-05
135	371559	758230	Residential	4.43E+00	9.42E-03	3.08E+00	1.23E+00	7.80E-01	6.00E-04	1.34E+01	2.43E-01	2.24E+00	8.02E-05	-1.91E-01	-1.47E-05	9.22E-01	1.59E-04	3.35E-01	1.60E-05	-1.53E+00	-4.12E-05
136	371637	758281	Residential	4.40E+00	9.36E-03	3.01E+00	1.20E+00	1.01E+00	7.74E-04	1.33E+01	2.41E-01	2.20E+00	7.85E-05	-1.72E-01	-1.32E-05	9.00E-01	1.55E-04	3.37E-01	1.61E-05	-1.12E+00	-3.02E-05
137	371715	758333	Residential	4.32E+00	9.19E-03	2.94E+00	1.17E+00	1.24E+00	9.53E-04	1.30E+01	2.37E-01	2.15E+00	7.69E-05	-1.63E-01	-1.25E-05	8.79E-01	1.52E-04	3.39E-01	1.62E-05	-7.03E-01	-1.90E-05
138	371769	758261	Residential	4.90E+00	1.04E-02	3.18E+00	1.27E+00	2.63E+00	2.02E-03	1.47E+01	2.67E-01	2.37E+00	8.46E-05	-1.32E-01	-1.02E-05	9.51E-01	1.64E-04	4.19E-01	1.99E-05	1.27E+00	3.42E-05
139	371822	758189	Residential	3.44E+00	7.32E-03	2.61E+00	1.04E+00	1.81E+00	1.39E-03	1.08E+01	1.97E-01	1.94E+00	6.92E-05	-2.26E-01	-1.74E-05	7.83E-01	1.35E-04	3.31E-01	1.57E-05	4.70E-01	1.27E-05
140	371894	758160	Residential	1.94E+00	4.12E-03	2.12E+00	8.50E-01	2.22E-01	1.70E-04	6.93E+00	1.26E-01	1.55E+00	5.53E-05	-3.58E-01	-2.75E-05	6.41E-01	1.11E-04	2.21E-01	1.05E-05	-1.57E+00	-4.25E-05
141	371894	758081	Residential	1.04E+00	2.21E-03	1.87E+00	7.47E-01	-1.21E+00	-9.33E-04	4.59E+00	8.35E-02	1.33E+00	4.75E-05	-4.50E-01	-3.46E-05	5.68E-01	9.79E-05	1.39E-01	6.62E-06	-3.61E+00	-9.77E-05
142	371959	758074	Residential	9.06E-01	1.93E-03	1.75E+00	6.99E-01	-1.29E+00	-9.91E-04	4.14E+00	7.53E-02	1.24E+00	4.43E-05	-4.34E-01	-3.34E-05	5.32E-01	9.18E-05	1.24E-01	5.90E-06	-3.66E+00	-9.91E-05
155	372055	757363	Residential	5.65E-01	1.20E-03	1.49E+00	5.96E-01	-1.17E+00	-8.96E-04	3.30E+00	5.99E-02	1.06E+00	3.79E-05	-4.12E-01	-3.17E-05	4.57E-01	7.88E-05	1.03E-01	4.89E-06	-3.34E+00	-9.02E-05
297	370239	755427	Residential	4.26E+00	9.06E-03	3.09E+00	1.24E+00	-1.29E+00	-9.92E-04	1.29E+01	2.34E-01	2.20E+00	7.85E-05	-2.32E-01	-1.78E-05	9.26E-01	1.60E-04	2.56E-01	1.22E-05	-4.67E+00	-1.26E-04
298	370138	755427	Residential	3.36E+00	7.14E-03	2.42E+00	9.68E-01	-7.04E-01	-5.42E-04	1.02E+01	1.85E-01	1.73E+00	6.17E-05	-1.76E-01	-1.35E-05	7.24E-01	1.25E-04	2.12E-01	1.01E-05	-3.17E+00	-8.57E-05
299	370040	755427	Residential	3.16E+00	6.73E-03	2.45E+00	9.78E-01	-9.61E-01	-7.39E-04	9.76E+00	1.77E-01	1.74E+00	6.22E-05	-2.24E-01	-1.72E-05	7.33E-01	1.26E-04	2.05E-01	9.75E-06	-3.64E+00	-9.85E-05
300	369941	755426	Residential	3.83E+00	8.16E-03	2.70E+00	1.08E+00	1.24E+00	9.56E-04	1.17E+01	2.13E-01	1.99E+00	7.09E-05	-1.78E-01	-1.37E-05	8.09E-01	1.39E-04	3.17E-01	1.51E-05	-4.41E-01	-1.19E-05
301	369842	755426	Residential	3.42E+00	7.28E-03	2.51E+00	1.01E+00	-2.64E-02	-2.03E-05	1.05E+01	1.91E-01	1.82E+00	6.48E-05	-1.95E-01	-1.50E-05	7.53E-01	1.30E-04	2.48E-01	1.18E-05	-2.23E+00	-6.03E-05
304	369544	755434	Residential	4.25E+00	9.05E-03	3.12E+00	1.25E+00	-6.79E-01	-5.22E-04	1.30E+01	2.35E-01	2.23E+00	7.98E-05	-2.41E-01	-1.86E-05	9.33E-01	1.61E-04	2.82E-01	1.35E-05	-3.75E+00	-1.01E-04
305	369445	755434	Residential	7.63E+00	1.62E-02	4.99E+00	2.00E+00	1.63E+00	1.25E-03	2.27E+01	4.13E-01	3.64E+00	1.30E-04	-2.17E-01	-1.67E-05	1.49E+00	2.57E-04	5.58E-01	2.66E-05	-1.72E+00	-4.64E-05
306	369346	755434	Residential	4.80E+00	1.02E-02	3.42E+00	1.37E+00	-3.14E-02	-2.41E-05	1.46E+01	2.65E-01	2.47E+00	8.83E-05	-2.38E-01	-1.83E-05	1.02E+00	1.77E-04	3.38E-01	1.61E-05	-3.05E+00	-8.24E-05
310	368953	755441	Residential	2.86E+00	6.08E-03	2.43E+00	9.70E-01	2.19E-01	1.68E-04	9.22E+00	1.68E-01	1.76E+00	6.30E-05	-2.78E-01	-2.14E-05	7.30E-01	1.26E-04	2.49E-01	1.19E-05	-1.90E+00	-5.12E-05
311	368854	755441	Residential	3.01E+00	6.41E-03	2.44E+00	9.74E-01	-5.14E-01	-3.95E-04	9.49E+00	1.72E-01	1.75E+00	6.25E-05	-2.51E-01	-1.93E-05	7.32E-01	1.26E-04	2.21E-01	1.05E-05	-2.99E+00	-8.09E-05
312	368755	755441	Residential	3.01E+00	6.41E-03	2.32E+00	9.27E-01	3.20E-01	2.46E-04	9.42E+00	1.71E-01	1.69E+00	6.02E-05	-2.09E-01	-1.60E-05	6.96E-01	1.20E-04	2.42E-01	1.15E-05	-1.57E+00	-4.25E-05
313	368657	755441	Residential	3.65E+00	7.78E-03	2.61E+00	1.04E+00	1.05E+00	8.10E-04	1.12E+01	2.04E-01	1.91E+00	6.83E-05	-1.81E-01	-1.39E-05	7.81E-01	1.35E-04	3.00E-01	1.43E-05	-6.56E-01	-1.77E-05
314	368558	755440	Residential	3.85E+00	8.18E-03	2.67E+00	1.07E+00	1.18E+00	9.04E-04	1.17E+01	2.13E-01	1.96E+00	7.00E-05	-1.64E-01	-1.27E-05	7.99E-01	1.38E-04	3.11E-01	1.48E-05	-5.07E-01	-1.37E-05
315	368459	755440	Residential	3.75E+00	7.99E-03	2.60E+00	1.04E+00	1.55E+00	1.19E-03	1.15E+01	2.08E-01	1.92E+00	6.86E-05	-1.59E-01	-1.22E-05	7.78E-01	1.34E-04	3.19E-01	1.52E-05	1.23E-01	3.32E-06
316	368360	755440	Residential	3.42E+00	7.28E-03	2.39E+00	9.56E-01	1.50E+00	1.16E-03	1.05E+01	1.91E-01	1.77E+00	6.31E-05	-1.51E-01	-1.17E-05	7.15E-01	1.23E-04	2.96E-01	1.41E-05	2.22E-01	6.01E-06
317	368262	755439	Residential	2.97E+00	6.31E-03	2.14E+00	8.55E-01	1.13E+00	8.73E-04	9.18E+00	1.67E-01	1.58E+00	5.63E-05	-1.55E-01	-1.19E-05	6.41E-01	1.10E-04	2.57E-01	1.22E-05	-1.38E-01	-3.73E-06
318	368186	755427	Residential	2.67E+00	5.69E-03	1.99E+00	7.96E-01	7.96E-01	6.12E-04	8.35E+00	1.52E-01	1.46E+00	5.22E-05	-1.62E-01	-1.25E-05	5.97E-01	1.03E-04	2.29E-01	1.09E-05	-5.44E-01	-1.47E-05
319	368111	755414	Residential	2.47E+00	5.25E-03	1.88E+00	7.52E-01	5.12E-01	3.94E-04	7.75E+00	1.41E-01	1.37E+00	4.91E-05	-1.65E-01	-1.27E-05	5.65E-01	9.73E-05	2.07E-01	9.84E-06	-8.97E-01	-2.43E-05
46	367504	757948	School	7.49E+00	1.59E-02	4.72E+00	1.89E+00	2.65E+00	2.04E-03	2.21E+01	4.02E-01	3.47E+00	1.24E-04	-1.50E-01	-1.15E-05	1.40E+00	2.42E-04	5.72E-01	2.72E-05	1.53E-01	4.13E-06
47	367544	757873	School	7.07E+00	1.50E-02	4.51E+00	1.80E+00	2.17E+00	1.67E-03	2.09E+01	3.80E-01	3.31E+00	1.18E-04	-1.61E-01	-1.24E-05	1.34E+00	2.32E-04	5.32E-01	2.54E-05	-4.43E-01	-1.20E-05
48	367587	757909	School	8.12E+00	1.73E-02	5.10E+00	2.04E+00	2.94E+00	2.26E-03	2.40E+01	4.36E-01	3.75E+00	1.34E-04	-1.56E-01	-1.20E-05	1.52E+00	2.62E-04	6.21E-01	2.96E-05	2.87E-01	7.77E-06
49	367623	757866	School	8.18E+00	1.74E-02	5.16E+00	2.06E+00	2.71E+00	2.08E-03	2.41E+01	4.39E-01	3.79E+00	1.35E-04	-1.67E-01	-1.28E-05	1.54E+00	2.65E-04	6.18E-01	2.94E-05	-1.32E-01	-3.57E-06
50	367694	757866	School	8.83E+00	1.88E-02	5.55E+00	2.22E+00	3.27E+00	2.51E-03	2.61E+01	4.74E-01	4.08E+00	1.46E-04	-1.70E-01	-1.31E-05	1.65E+00	2.85E-04	6.78E-01	3.23E-05	4.20E-01	1.14E-05
51	367716	757927	School	8.36E+00	1.78E-02	5.29E+00	2.11E+00	3.07E+00	2.36E-03	2.47E+01	4.50E-01	3.89E+00	1.39E-04	-1.74E-01	-1.34E-05	1.57E+00	2.72E-04	6.45E-01	3.07E-05	2.96E-01	8.01E-06
52	367737	757988	School	7.31E+00	1.56E-02	4.67E+00	1.87E+00	2.47E+00	1.90E-03	2.17E+01	3.94E-01	3.44E+00	1.23E-04	-1.71E-01	-1.31E-05	1.39E+00	2.40E-04	5.60E-01	2.67E-05	-1.58E-01	-4.26E-06
53	367727	758067	School	6.04E+00	1.29E-02	3.93E+00	1.57E+00	1.84E+00	1.42E-03	1.80E+01	3.27E-01	2.88E+00	1.03E-04	-1.65E-01	-1.27E-05	1.17E+00	2.02E-04	4.62E-01	2.20E-05	-5.20E-01	-1.41E-05
54	367716	758146	School	4.88E+00	1.04E-02	3.25E+00	1.30E+00	1.53E+00	1.18E-03	1.46E+01	2.66E-01	2.39E+00	8.52E-05	-1.60E-01	-1.23E-05	9.71E-01	1.67E-04	3.82E-01	1.82E-05	-4.58E-01	-1.24E-05
56	367723	758254	School	3.98E+00	8.47E-03	2.81E+00	1.12E+00	1.49E+00	1.14E-03	1.22E+01	2.21E-01	2.07E+00	7.39E-05	-1.86E-01	-1.43E-05	8.40E-01	1.45E-04	3.37E-01	1.60E-05	-1.56E-01	-4.22E-06
57	367784	758221	School	4.12E+00	8.76E-03	2.90E+00	1.16E+00	1.53E+00	1.18E-03	1.26E+01	2.28E-01	2.13E+00	7.62E-05	-1.89E-01	-1.45E-05	8.66E-01	1.49E-04	3.48E-01	1.65E-05	-1.56E-01	-4.23E-06
58	367845	758189	School	4.25E+00	9.05E-03	2.98E+00	1.19E+00	1.55E+00	1.19E-03	1.30E+01	2.36E-01	2.19E+00	7.83E-05	-1.91E-01	-1.47E-05	8.91E-01	1.54E-04	3.56E-01	1.70E-05	-2.05E-01	-5.55E-06
106	370247	758254	School	1.57E+00	3.34E-03	1.52E+00	6.09E-01	-1.69E+00	-1.30E-03	5.15E+00	9.37E-02	1.06E+00	3.78E-05	-2.21E-01	-1.70E-05	4.59E-01	7.91E-05	8.45E-02	4.02E-06	-4.01E+00	-1.08E-04
107	370250	758189	School	1.44E+00	3.07E-03	1.50E+00	6.00E-01	-2.17E+00	-1.67E-03	4.82E+00	8.76E-02	1.03E+00	3.68E-05	-2.39E-01	-1.84E-05	4.53E-01	7.82E-05	6.36E-02	3.03E-06	-4.74E+00	-1.28E-04
108	370308	758196	School	1.26E+00	2.68E-03	1.37E+00	5.49E-01	-1.83E+00	-1.41E-03	4.30E+00	7.82E-02	9.48E-01	3.39E-05	-2.31E-01	-1.78E-05	4.15E-01	7.16E-05	6.44E-02	3.06E-06	-4.11E+00	-1.11E-04
109	370361	758236	School	5.37E-01	1.14E-03	9.88E-01	3.95E-01	-2.42E+00	-1.86E-03	2.22E+00	4.03E-02	6.56E-01	2.34E-05	-2.41E-01	-1.86E-05	3.02E-01	5.21E-05	2.43E-03	1.16E-07	-4.76E+00	-1.29E-04
110	370415	758275	School	2.49E-01	5.30E-04	9.00E-01	3.60E-01	-3.16E+00	-2.43E-03	1.43E+00	2.59E-02	5.73E-01	2.05E-05	-2.69E-01	-2.07E-05	2.77E-01	4.77E-05	-3.54E-02	-1.69E-06	-5.85E+00	-1.58E-04

Table 3-2B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study - - Alternative 2, Horizon Year 2025
for Onsite and Offsite Receptors
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acetaldehyde Acute Hazard	acrolein (µg/m^3)	acrolein Acute Hazard	benzene (µg/m^3)	benzene Acute Hazard	formaldehyde (µg/m^3)	formaldehyde Acute Hazard	methyl alcohol (µg/m^3)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m^3)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m^3)	phenol (carbolic acid) Acute Hazard	styrene (µg/m^3)	styrene Acute Hazard	toluene (µg/m^3)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
302	369741	755435	School	1.85E+00	3.93E-03	1.71E+00	6.84E-01	-1.13E+00	-8.66E-04	6.03E+00	1.10E-01	1.21E+00	4.32E-05	-2.30E-01	-1.77E-05	5.16E-01	8.89E-05	1.25E-01	5.95E-06	-3.35E+00	-9.05E-05
303	369643	755434	School	3.03E+00	6.46E-03	2.35E+00	9.41E-01	9.22E-01	7.09E-04	9.54E+00	1.73E-01	1.73E+00	6.17E-05	-2.17E-01	-1.67E-05	7.07E-01	1.22E-04	2.69E-01	1.28E-05	-7.43E-01	-2.01E-05

Note: Shaded cells indicate locations where concentrations were highest within each land use category.

Table 3-2B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study - - Alternative 2, Horizon Year 2025
for Onsite and Offsite Receptors
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m^3)	xylene, total Acute Hazard	arsenic (µg/m^3)	arsenic Acute Hazard	chlorine (µg/m^3)	chlorine Acute Hazard	copper (µg/m^3)	copper Acute Hazard	mercury (µg/m^3)	mercury Acute Hazard	nickel (µg/m^3)	nickel Acute Hazard	vanadium (µg/m^3)	vanadium Acute Hazard	sulfates (µg/m^3)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
117	370814	758243	Offsite Worker	-3.44E+00	-1.56E-04	-1.51E-03	-7.55E-03	-1.10E-01	-5.22E-04	-7.50E-03	-7.50E-05	-9.06E-03	-1.51E-02	-5.78E-03	-9.63E-04	-8.75E-03	-2.92E-04	-5.30E+00	-4.41E-02
118	370810	758153	Offsite Worker	-3.40E+00	-1.54E-04	-1.81E-03	-9.07E-03	-1.32E-01	-6.29E-04	-9.07E-03	-9.07E-05	-1.09E-02	-1.81E-02	-6.94E-03	-1.16E-03	-1.05E-02	-3.51E-04	-6.37E+00	-5.31E-02
119	370807	758063	Offsite Worker	-3.27E+00	-1.49E-04	-2.16E-03	-1.08E-02	-1.58E-01	-7.51E-04	-1.08E-02	-1.08E-04	-1.30E-02	-2.16E-02	-8.28E-03	-1.38E-03	-1.25E-02	-4.18E-04	-7.59E+00	-6.33E-02
120	370803	757974	Offsite Worker	-4.22E+00	-1.92E-04	-2.14E-03	-1.07E-02	-1.52E-01	-7.24E-04	-1.05E-02	-1.05E-04	-1.28E-02	-2.14E-02	-8.17E-03	-1.36E-03	-1.24E-02	-4.14E-04	-7.49E+00	-6.24E-02
121	370835	757927	Offsite Worker	-4.68E+00	-2.13E-04	-1.96E-03	-9.82E-03	-1.36E-01	-6.49E-04	-9.46E-03	-9.46E-05	-1.18E-02	-1.96E-02	-7.47E-03	-1.24E-03	-1.14E-02	-3.80E-04	-6.85E+00	-5.71E-02
122	370868	757880	Offsite Worker	-3.39E+00	-1.54E-04	-1.35E-03	-6.75E-03	-9.08E-02	-4.33E-04	-6.27E-03	-6.27E-05	-8.10E-03	-1.35E-02	-5.11E-03	-8.52E-04	-7.83E-03	-2.61E-04	-4.69E+00	-3.91E-02
123	370921	757884	Offsite Worker	-3.99E+00	-1.82E-04	-1.76E-03	-8.80E-03	-1.21E-01	-5.76E-04	-8.35E-03	-8.35E-05	-1.06E-02	-1.76E-02	-6.69E-03	-1.11E-03	-1.02E-02	-3.40E-04	-6.14E+00	-5.11E-02
124	370975	757887	Offsite Worker	-3.64E+00	-1.65E-04	-1.77E-03	-8.87E-03	-1.22E-01	-5.80E-04	-8.39E-03	-8.39E-05	-1.06E-02	-1.77E-02	-6.74E-03	-1.12E-03	-1.03E-02	-3.43E-04	-6.18E+00	-5.15E-02
125	370975	757794	Offsite Worker	-2.32E+00	-1.06E-04	-1.50E-03	-7.48E-03	-1.02E-01	-4.84E-04	-6.84E-03	-6.84E-05	-8.97E-03	-1.50E-02	-5.67E-03	-9.45E-04	-8.67E-03	-2.89E-04	-5.20E+00	-4.34E-02
126	371026	757794	Offsite Worker	-2.77E+00	-1.26E-04	-1.34E-03	-6.71E-03	-8.75E-02	-4.17E-04	-5.95E-03	-5.95E-05	-8.05E-03	-1.34E-02	-5.06E-03	-8.44E-04	-7.78E-03	-2.59E-04	-4.65E+00	-3.87E-02
127	371076	757877	Offsite Worker	-2.16E+00	-9.83E-05	-1.24E-03	-6.19E-03	-8.45E-02	-4.02E-04	-5.60E-03	-5.60E-05	-7.43E-03	-1.24E-02	-4.70E-03	-7.83E-04	-7.18E-03	-2.39E-04	-4.31E+00	-3.59E-02
128	371126	757959	Offsite Worker	-1.66E+00	-7.56E-05	-1.16E-03	-5.82E-03	-8.14E-02	-3.88E-04	-5.30E-03	-5.30E-05	-6.98E-03	-1.16E-02	-4.43E-03	-7.39E-04	-6.75E-03	-2.25E-04	-4.07E+00	-3.39E-02
129	371119	758031	Offsite Worker	-2.11E+00	-9.58E-05	-1.01E-03	-5.06E-03	-7.48E-02	-3.56E-04	-4.62E-03	-4.62E-05	-6.07E-03	-1.01E-02	-3.88E-03	-6.47E-04	-5.86E-03	-1.95E-04	-3.56E+00	-2.97E-02
143	371953	757977	Offsite Worker	-2.35E+00	-1.07E-04	-8.16E-04	-4.08E-03	-6.15E-02	-2.93E-04	-3.76E-03	-3.76E-05	-4.90E-03	-8.16E-03	-3.14E-03	-5.23E-04	-4.73E-03	-1.58E-04	-2.88E+00	-2.40E-02
144	371948	757880	Offsite Worker	-2.95E+00	-1.34E-04	-5.96E-04	-2.98E-03	-4.56E-02	-2.17E-04	-2.64E-03	-2.64E-05	-3.58E-03	-5.96E-03	-2.30E-03	-3.83E-04	-3.46E-03	-1.15E-04	-2.11E+00	-1.76E-02
145	371943	757783	Offsite Worker	-6.01E+00	-2.73E-04	-1.43E-03	-7.16E-03	-1.20E-01	-5.71E-04	-7.08E-03	-7.08E-05	-8.59E-03	-1.43E-02	-5.59E-03	-9.32E-04	-8.30E-03	-2.77E-04	-5.13E+00	-4.27E-02
146	372016	757794	Offsite Worker	-5.74E+00	-2.61E-04	-1.53E-03	-7.67E-03	-1.24E-01	-5.91E-04	-7.62E-03	-7.62E-05	-9.20E-03	-1.53E-02	-5.96E-03	-9.94E-04	-8.90E-03	-2.97E-04	-5.47E+00	-4.55E-02
147	372102	757791	Offsite Worker	-5.25E+00	-2.38E-04	-1.59E-03	-7.94E-03	-1.25E-01	-5.95E-04	-7.91E-03	-7.91E-05	-9.52E-03	-1.59E-02	-6.14E-03	-1.02E-03	-9.21E-03	-3.07E-04	-5.63E+00	-4.69E-02
148	372178	757760	Offsite Worker	-3.79E+00	-1.72E-04	-1.19E-03	-5.97E-03	-9.51E-02	-4.53E-04	-5.91E-03	-5.91E-05	-7.17E-03	-1.19E-02	-4.63E-03	-7.72E-04	-6.93E-03	-2.31E-04	-4.25E+00	-3.54E-02
149	372177	757670	Offsite Worker	-1.66E+00	-7.53E-05	-1.22E-03	-6.12E-03	-9.40E-02	-4.47E-04	-6.05E-03	-6.05E-05	-7.34E-03	-1.22E-02	-4.72E-03	-7.86E-04	-7.09E-03	-2.36E-04	-4.33E+00	-3.61E-02
150	372176	757579	Offsite Worker	-1.43E+00	-6.49E-05	-7.90E-04	-3.95E-03	-7.03E-02	-3.35E-04	-3.86E-03	-3.86E-05	-4.74E-03	-7.90E-03	-3.12E-03	-5.19E-04	-4.58E-03	-1.53E-04	-2.86E+00	-2.38E-02
151	372174	757489	Offsite Worker	-2.36E+00	-1.07E-04	-4.46E-04	-2.23E-03	-4.44E-02	-2.12E-04	-2.05E-03	-2.05E-05	-2.67E-03	-4.46E-03	-1.79E-03	-2.99E-04	-2.58E-03	-8.61E-05	-1.64E+00	-1.37E-02
152	372173	757398	Offsite Worker	-2.19E+00	-9.95E-05	-6.07E-04	-3.04E-03	-5.94E-02	-2.83E-04	-2.87E-03	-2.87E-05	-3.64E-03	-6.07E-03	-2.43E-03	-4.06E-04	-3.52E-03	-1.17E-04	-2.23E+00	-1.86E-02
153	372171	757308	Offsite Worker	5.04E-01	2.29E-05	-4.30E-04	-2.15E-03	-3.21E-02	-1.53E-04	-1.78E-03	-1.78E-05	-2.58E-03	-4.30E-03	-1.65E-03	-2.76E-04	-2.50E-03	-8.32E-05	-1.52E+00	-1.26E-02
154	372055	757309	Offsite Worker	-1.77E+00	-8.04E-05	-5.72E-04	-2.86E-03	-4.40E-02	-2.09E-04	-2.51E-03	-2.51E-05	-3.43E-03	-5.72E-03	-2.21E-03	-3.68E-04	-3.32E-03	-1.11E-04	-2.02E+00	-1.69E-02
156	372055	757416	Offsite Worker	-3.33E+00	-1.51E-04	-6.66E-04	-3.33E-03	-5.35E-02	-2.55E-04	-3.08E-03	-3.08E-05	-4.00E-03	-6.66E-03	-2.59E-03	-4.31E-04	-3.86E-03	-1.29E-04	-2.37E+00	-1.98E-02
157	371952	757442	Offsite Worker	-1.83E+00	-8.32E-05	-3.88E-04	-1.94E-03	-1.96E-02	-9.35E-05	-1.51E-03	-1.51E-05	-2.33E-03	-3.88E-03	-1.42E-03	-2.37E-04	-2.25E-03	-7.50E-05	-1.31E+00	-1.09E-02
158	371950	757345	Offsite Worker	-1.53E+00	-6.98E-05	4.10E-05	2.05E-04	-2.30E-02	-1.09E-04	5.22E-04	5.22E-06	2.46E-04	4.10E-04	-2.85E-05	-4.76E-06	2.38E-04	7.93E-06	-2.30E-02	-1.92E-04
159	371864	757344	Offsite Worker	-3.06E+00	-1.39E-04	-4.83E-04	-2.41E-03	-6.20E-02	-2.95E-04	-2.21E-03	-2.21E-05	-2.90E-03	-4.83E-03	-2.04E-03	-3.40E-04	-2.80E-03	-9.33E-05	-1.87E+00	-1.56E-02
160	371790	757347	Offsite Worker	-2.74E+00	-1.24E-04	-1.06E-03	-5.28E-03	-9.28E-02	-4.42E-04	-5.17E-03	-5.17E-05	-6.33E-03	-1.06E-02	-4.15E-03	-6.92E-04	-6.12E-03	-2.04E-04	-3.81E+00	-3.17E-02
161	371708	757356	Offsite Worker	-2.04E+00	-9.25E-05	-1.05E-03	-5.23E-03	-7.02E-02	-3.34E-04	-4.93E-03	-4.93E-05	-6.27E-03	-1.05E-02	-3.96E-03	-6.60E-04	-6.07E-03	-2.02E-04	-3.63E+00	-3.03E-02
162	371615	757356	Offsite Worker	-1.57E+00	-7.13E-05	-1.11E-03	-5.57E-03	-6.18E-02	-2.94E-04	-5.16E-03	-5.16E-05	-6.69E-03	-1.11E-02	-4.13E-03	-6.88E-04	-6.47E-03	-2.16E-04	-3.79E+00	-3.16E-02
163	371523	757356	Offsite Worker	-1.19E+00	-5.40E-05	-1.38E-03	-6.91E-03	-8.17E-02	-3.89E-04	-6.51E-03	-6.51E-05	-8.29E-03	-1.38E-02	-5.15E-03	-8.59E-04	-8.01E-03	-2.67E-04	-4.73E+00	-3.94E-02
164	371430	757356	Offsite Worker	-7.94E-01	-3.61E-05	-1.67E-03	-8.36E-03	-1.12E-01	-5.33E-04	-8.06E-03	-8.06E-05	-1.00E-02	-1.67E-02	-6.33E-03	-1.06E-03	-9.70E-03	-3.23E-04	-5.81E+00	-4.84E-02
165	371338	757356	Offsite Worker	-1.11E+00	-5.04E-05	-2.19E-03	-1.09E-02	-1.63E-01	-7.76E-04	-1.08E-02	-1.08E-04	-1.31E-02	-2.19E-02	-8.40E-03	-1.40E-03	-1.27E-02	-4.23E-04	-7.70E+00	-6.42E-02
166	371245	757356	Offsite Worker	-2.57E+00	-1.17E-04	-3.14E-03	-1.57E-02	-2.46E-01	-1.17E-03	-1.57E-02	-1.57E-04	-1.88E-02	-3.14E-02	-1.22E-02	-2.03E-03	-1.82E-02	-6.07E-04	-1.11E+01	-9.29E-02
167	371153	757356	Offsite Worker	-4.44E+00	-2.02E-04	-3.93E-03	-1.96E-02	-3.08E-01	-1.46E-03	-1.98E-02	-1.98E-04	-2.36E-02	-3.93E-02	-1.52E-02	-2.53E-03	-2.28E-02	-7.60E-04	-1.39E+01	-1.16E-01
168	371061	757356	Offsite Worker	-5.78E+00	-2.63E-04	-4.49E-03	-2.25E-02	-3.48E-01	-1.66E-03	-2.26E-02	-2.26E-04	-2.70E-02	-4.49E-02	-1.74E-02	-2.89E-03	-2.61E-02	-8.69E-04	-1.59E+01	-1.33E-01
169	371005	757357	Offsite Worker	-6.95E+00	-3.16E-04	-4.77E-03	-2.39E-02	-3.68E-01	-1.75E-03	-2.39E-02	-2.39E-04	-2.86E-02	-4.77E-02	-1.84E-02	-3.07E-03	-2.77E-02	-9.23E-04	-1.69E+01	-1.41E-01
170	370998	757293	Offsite Worker	-4.11E+00	-1.87E-04	-4.14E-03	-2.07E-02	-3.32E-01	-1.58E-03	-2.07E-02	-2.07E-04	-2.48E-02	-4.14E-02	-1.61E-02	-2.68E-03	-2.40E-02	-8.00E-04	-1.47E+01	-1.23E-01
171	370998	757194	Offsite Worker	1.59E+00	7.24E-05	-1.37E-03	-6.84E-03	-1.05E-01	-4.98E-04	-6.32E-03	-6.32E-05	-8.21E-03	-1.37E-02	-5.27E-03	-8.79E-04	-7.94E-03	-2.65E-04	-4.84E+00	-4.03E-02
172	370998	757096	Offsite Worker	-1.82E+00	-8.27E-05	-2.49E-03	-1.25E-02	-1.85E-01	-8.79E-04	-1.23E-02	-1.23E-04	-1.50E-02	-2.49E-02	-9.57E-03	-1.59E-03	-1.45E-02	-4.82E-04	-8.78E+00	-7.31E-02
173	370998	756998	Offsite Worker	-7.95E+00	-3.61E-04	-1.23E-03	-6.16E-03	-7.40E-02	-3.52E-04	-5.84E-03	-5.84E-05	-7.40E-03	-1.23E-02	-4.61E-03	-7.68E-04	-7.15E-03	-2.38E-04	-4.23E+00	-3.52E-02
174	371057	756997	Offsite Worker	-5.53E+00	-2.51E-04	-1.76E-03	-8.78E-03	-1.08E-01	-5.14E-04	-8.47E-03	-8.47E-05	-1.05E-02	-1.76E-02	-6.58E-03	-1.10E-03	-1.02E-02	-3.39E-04	-6.04E+00	-5.03E-02
175	371153	756997	Offsite Worker	-6.01E+00	-2.73E-04	-1.51E-03	-7.55E-03	-9.98E-02	-4.75E-04	-7.27E-03	-7.27E-05	-9.06E-03	-1.51E-02	-5.71E-03	-9.52E-04	-8.76E-03	-2.92E-04	-5.24E+00	-4.37E-02
176	371249	756997	Offsite Worker	-6.38E+00	-2.90E-04	-1.69E-03	-8.44E-03	-1.11E-01	-5.30E-04	-8.22E-03	-8.22E-05	-1.01E-02	-1.69E-02	-6.38E-03	-1.06E-03	-9.79E-03	-3.26E-04	-5.85E+00	-4.87E-02
177	371345	756997	Offsite Worker	-6.78E+00	-3.08E-04	-1.27E-03	-6.37E-03	-7.70E-02	-3.67E-04	-6.11E-03	-6.11E-05	-7.64E-03	-1.27E-02	-4.76E-03	-7.94E-04	-7.38E-03	-2.46E-04	-4.37E+00	-3.64E-02
178	371440	756997	Offsite Worker	-4.53E+00	-2.06E-04	-1.76E-03	-8.82E-03	-1.17E-01	-5.59E-04	-8.63E-03	-8.63E-05	-1.06E-02	-1.76E-02	-6.67E-03	-1.11E-03	-1.02E-02	-3.41E-04	-6.12E+00	-5.10E-02
179	371536	756997	Offsite Worker	-2.70E+00	-1.23E-04	-1.86E-03	-9.31E-03	-1.25E-01	-5.97E-04	-9.11E-03	-9.11E-05	-1.12E-02	-1.86E-02	-7.06E-03	-1.18E-03	-1.08E-02	-3.60E-04	-6.47E+00	-5.40E-02
180	371632	756997	Offsite Worker	-6.95E-01	-3.16E-05	-1.60E-03	-7.98E-03	-1.08E-01	-5.15E-04	-7.76E-03	-7.76E-05	-9.57E-03	-1.60E-02	-6.05E-03	-1.01E-03	-9.26E-03	-3.09E-04	-5.55E+00	-4.63E-02
181	371728	756997	Offsite Worker	6.69E-01	3.04E-05	-8.80E-04	-4.40E-03	-4.60E-02	-2.19E-04	-3.96E-03	-3.96E-05	-5.28E-03	-8.80E-03	-3.24E-03	-5.40E-04	-5.11E-03	-1.70E-04	-2.97E+00	-2.48E-02
182	371824	756997	Offsite Worker	8.11E-01	3.69E-05	-9.50E-04	-4.75E-03	-5.48E-02	-2.61E-04	-4.41E-03	-4.41E-05	-5.70E-03	-9.50E-03	-3.53E-03	-5.89E-04	-5.51E-03	-1.84E-04	-3.24E+00	-2.70E-02
183	371920	756997	Offsite Worker	1.44E+00	6.56E-05	-9.44E-05	-4.72E-04	9.08E-03	4.32E-05	9.10E-05	9.10E-07	-5.66E-04	-9.44E-04	-2.47E-04	-4.12E-05	-5.47E-04	-1.82E-05	-2.29E-01	-1.91E-03
184	372016	756997	Offsite Worker	1.36E+01	6.18E-04	3.16E-03	1.58E-02	2.51E-01	1.19E-03	1.73E-02	1.73E-04	1.89E-02	3.16E-02	1.22E-02	2.04E-03	1.83E-02	6.10E-04	1.12E+01	9.35E-02
185	372111	756997	Offsite Worker	8.18E+00	3.72E-04	2.03E-03	1.02E-02	1.58E-01	7.53E-04	1.12E-02	1.12E-04	1.22E-02	2.03E-02	7.85E-03	1.31E-03	1.18E-02	3.93E-04	7.20E+00	6.00E-02
186	372207	756997	Offsite Worker	4.68E+00	2.13E-04	1.02E-03	5.11E-03	8.25E-02	3.93E-04	5.88E-03	5.88E-05	6.13E-03	1.02E-02	3.97E-03	6.61E-04	5.92E-03	1.97E-04	3.64E+00	3.03E-02
187	372303	756997	Offsite Worker	3.50E+00	1.59E-04	1.20E-03	5.99E-03	9.13E-02	4.35E-04	6.81E-03	6.81E-05	7.19E-03	1.20E-02	4.62E-03	7.70E-04	6.95E-03	2.32E-04	4.24E+00	3.53E-02
188	372399	756997	Offsite Worker	1.43E+00	6.50E-05	-1.08E-04	-5.42E-04	2.28E-03	1.09E-05	-4.79E-05	-4.79E-07	-6.51E-04	-1.08E-03	-3.43E-04	-5.71E-05	-6.29E-04	-2.10E-05	-3.15E-01	-2.63E-03
189	372495	756997	Offsite Worker	-7.29E-01	-3.31E-05	-3.69E-04	-1.85E-03	-1.90E-02	-9.06E-05	-1.48E-03	-1.48E-05	-2.21E-03	-3.69E-03	-1.36E-03	-2.26E-04	-2.14E-03	-7.14E-05	-1.25E+00	-1.04E-02
190	372591	756997	Offsite Worker	-4.30E-02	-1.95E-06	-8.50E-05	-4.25E-04	5.68E-03	2.71E-05	2.62E-05	2.62E-07	-5.10E-04	-8.50E-04	-2.40E-04	-4.01E-05	-4.93E-04	-1.64E-05	-2.22E-01	-1.85E-03
191	372610	757063	Offsite Worker	-2.37E-01	-1.08E-05	-1.54E-04	-7.72E-04	-1.56E-03	-7.44E-06	-4.02E-04	-4.02E-06	-9.27E-04	-1.54E-03	-5.22E-04	-8.70E-05	-8.96E-04	-2.99E-05	-4.80E-01	-4.00E-03
192	372612	757132	Offsite Worker	1.32E-01	6.00E-06	-3.05E-04	-1.53E-03	-1.53E-02	-7.31E-05	-1.27E-03	-1.27E-05	-1.83E-03	-3.05E-03	-1.12E-03	-1.87E-04	-1.77E-03	-5.90E-05	-1.03E+00	-8.56E-03
193	372614	757201	Offsite Worker	2.21E-01	1.00E-05	-5.30E-04	-2.65E-03	-3.53E-02	-1.68E-04	-2.50E-03	-2.50E-05	-3.18E-03	-5.30E-03	-2.01E-03	-3.34E-04	-3.07E-03	-1.02E-04	-1.84E+00	-1.53E-02
194	372616	757270	Offsite Worker	4.95E-01	2.25E-05	-6.09E-04	-3.04E-03	-3.94E-02	-1.88E-04	-2.86E-03	-2.86E-05	-3.65E-03	-6.09E-03	-2.29E-03	-3.82E-04	-3.53E-03	-1.18E-04	-2.11E+00	-1.75E-02
195	372627	757351	Offsite Worker	3.61E-01	1.64E-05	-6.10E-04	-3.05E-03	-4.11E-02	-1.96E-04	-2.84E-03	-2.84E-05	-3.66E-03	-6.10E-03	-2.31E-03	-3.85E-04	-3.54E-03	-1.18E-04	-2.12E+00	-1.77E-02

Table 3-2B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study - - Alternative 2, Horizon Year 2025
for Onsite and Offsite Receptors
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m^3)	xylene, total Acute Hazard	arsenic (µg/m^3)	arsenic Acute Hazard	chlorine (µg/m^3)	chlorine Acute Hazard	copper (µg/m^3)	copper Acute Hazard	mercury (µg/m^3)	mercury Acute Hazard	nickel (µg/m^3)	nickel Acute Hazard	vanadium (µg/m^3)	vanadium Acute Hazard	sulfates (µg/m^3)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
196	372651	757422	Offsite Worker	-8.18E-03	-3.72E-07	-6.61E-04	-3.31E-03	-4.32E-02	-2.06E-04	-3.12E-03	-3.12E-05	-3.97E-03	-6.61E-03	-2.50E-03	-4.16E-04	-3.83E-03	-1.28E-04	-2.29E+00	-1.91E-02
197	372676	757494	Offsite Worker	-4.26E-01	-1.94E-05	-9.79E-04	-4.90E-03	-6.97E-02	-3.32E-04	-4.80E-03	-4.80E-05	-5.88E-03	-9.79E-03	-3.74E-03	-6.23E-04	-5.68E-03	-1.89E-04	-3.43E+00	-2.86E-02
198	372704	757569	Offsite Worker	-1.21E+00	-5.50E-05	-1.14E-03	-5.68E-03	-8.29E-02	-3.95E-04	-5.64E-03	-5.64E-05	-6.82E-03	-1.14E-02	-4.35E-03	-7.25E-04	-6.59E-03	-2.20E-04	-3.99E+00	-3.33E-02
199	372733	757645	Offsite Worker	-1.92E+00	-8.73E-05	-1.07E-03	-5.34E-03	-8.17E-02	-3.89E-04	-5.35E-03	-5.35E-05	-6.41E-03	-1.07E-02	-4.12E-03	-6.86E-04	-6.19E-03	-2.06E-04	-3.78E+00	-3.15E-02
200	372746	757702	Offsite Worker	-2.22E+00	-1.01E-04	-8.73E-04	-4.37E-03	-6.97E-02	-3.32E-04	-4.38E-03	-4.38E-05	-5.24E-03	-8.73E-03	-3.39E-03	-5.64E-04	-5.06E-03	-1.69E-04	-3.11E+00	-2.59E-02
201	372746	757768	Offsite Worker	-2.03E+00	-9.21E-05	-8.28E-04	-4.14E-03	-6.38E-02	-3.04E-04	-4.09E-03	-4.09E-05	-4.97E-03	-8.28E-03	-3.19E-03	-5.32E-04	-4.80E-03	-1.60E-04	-2.93E+00	-2.44E-02
202	372807	757781	Offsite Worker	-1.97E+00	-8.96E-05	-7.81E-04	-3.90E-03	-5.81E-02	-2.77E-04	-3.84E-03	-3.84E-05	-4.68E-03	-7.81E-03	-3.00E-03	-5.00E-04	-4.53E-03	-1.51E-04	-2.75E+00	-2.29E-02
203	372901	757782	Offsite Worker	-1.88E+00	-8.55E-05	-7.13E-04	-3.56E-03	-4.70E-02	-2.24E-04	-3.47E-03	-3.47E-05	-4.28E-03	-7.13E-03	-2.69E-03	-4.49E-04	-4.13E-03	-1.38E-04	-2.47E+00	-2.06E-02
204	372994	757783	Offsite Worker	-1.62E+00	-7.37E-05	-8.85E-04	-4.42E-03	-5.77E-02	-2.75E-04	-4.34E-03	-4.34E-05	-5.31E-03	-8.85E-03	-3.34E-03	-5.57E-04	-5.13E-03	-1.71E-04	-3.06E+00	-2.55E-02
205	373087	757783	Offsite Worker	-1.24E+00	-5.64E-05	-1.03E-03	-5.14E-03	-6.70E-02	-3.19E-04	-5.04E-03	-5.04E-05	-6.16E-03	-1.03E-02	-3.88E-03	-6.46E-04	-5.96E-03	-1.99E-04	-3.56E+00	-2.96E-02
206	373180	757784	Offsite Worker	-8.31E-01	-3.78E-05	-1.07E-03	-5.33E-03	-6.86E-02	-3.26E-04	-5.21E-03	-5.21E-05	-6.39E-03	-1.07E-02	-4.02E-03	-6.69E-04	-6.18E-03	-2.06E-04	-3.68E+00	-3.07E-02
207	373274	757785	Offsite Worker	-4.97E-01	-2.26E-05	-9.89E-04	-4.94E-03	-6.17E-02	-2.94E-04	-4.82E-03	-4.82E-05	-5.93E-03	-9.89E-03	-3.71E-03	-6.19E-04	-5.74E-03	-1.91E-04	-3.41E+00	-2.84E-02
208	373367	757786	Offsite Worker	-3.63E-01	-1.65E-05	-8.82E-04	-4.41E-03	-5.78E-02	-2.75E-04	-4.31E-03	-4.31E-05	-5.29E-03	-8.82E-03	-3.33E-03	-5.55E-04	-5.11E-03	-1.70E-04	-3.06E+00	-2.55E-02
209	373418	757742	Offsite Worker	-1.97E-01	-8.97E-06	-7.14E-04	-3.57E-03	-4.97E-02	-2.37E-04	-3.51E-03	-3.51E-05	-4.28E-03	-7.14E-03	-2.72E-03	-4.53E-04	-4.14E-03	-1.38E-04	-2.49E+00	-2.08E-02
210	373418	757653	Offsite Worker	1.79E-01	8.13E-06	-6.86E-04	-3.43E-03	-4.29E-02	-2.04E-04	-3.31E-03	-3.31E-05	-4.12E-03	-6.86E-03	-2.58E-03	-4.29E-04	-3.98E-03	-1.33E-04	-2.36E+00	-1.97E-02
211	373419	757564	Offsite Worker	4.63E-01	2.11E-05	-6.17E-04	-3.08E-03	-3.87E-02	-1.84E-04	-2.95E-03	-2.95E-05	-3.70E-03	-6.17E-03	-2.32E-03	-3.86E-04	-3.58E-03	-1.19E-04	-2.13E+00	-1.77E-02
212	373419	757475	Offsite Worker	2.23E-01	1.01E-05	-4.75E-04	-2.38E-03	-2.94E-02	-1.40E-04	-2.24E-03	-2.24E-05	-2.85E-03	-4.75E-03	-1.78E-03	-2.97E-04	-2.76E-03	-9.18E-05	-1.63E+00	-1.36E-02
213	373420	757386	Offsite Worker	5.55E-01	2.52E-05	-3.15E-04	-1.57E-03	-1.53E-02	-7.26E-05	-1.38E-03	-1.38E-05	-1.89E-03	-3.15E-03	-1.15E-03	-1.92E-04	-1.83E-03	-6.09E-05	-1.06E+00	-8.80E-03
214	373420	757297	Offsite Worker	4.51E-02	2.05E-06	-3.55E-04	-1.78E-03	-1.50E-02	-7.14E-05	-1.54E-03	-1.54E-05	-2.13E-03	-3.55E-03	-1.28E-03	-2.14E-04	-2.06E-03	-6.87E-05	-1.18E+00	-9.82E-03
215	373421	757207	Offsite Worker	-5.55E-01	-2.52E-05	-4.51E-04	-2.25E-03	-1.78E-02	-8.47E-05	-1.94E-03	-1.94E-05	-2.70E-03	-4.51E-03	-1.62E-03	-2.70E-04	-2.61E-03	-8.71E-05	-1.49E+00	-1.24E-02
216	373421	757118	Offsite Worker	-1.11E+00	-5.04E-05	-4.74E-04	-2.37E-03	-2.56E-02	-1.22E-04	-2.10E-03	-2.10E-05	-2.84E-03	-4.74E-03	-1.75E-03	-2.92E-04	-2.75E-03	-9.16E-05	-1.61E+00	-1.34E-02
217	373292	757117	Offsite Worker	-7.85E-01	-3.57E-05	-4.35E-04	-2.18E-03	-2.12E-02	-1.01E-04	-1.86E-03	-1.86E-05	-2.61E-03	-4.35E-03	-1.59E-03	-2.65E-04	-2.52E-03	-8.41E-05	-1.46E+00	-1.22E-02
218	373213	757118	Offsite Worker	-4.57E-01	-2.08E-05	-3.71E-04	-1.85E-03	-1.70E-02	-8.08E-05	-1.54E-03	-1.54E-05	-2.23E-03	-3.71E-03	-1.35E-03	-2.25E-04	-2.15E-03	-7.17E-05	-1.24E+00	-1.03E-02
219	373158	757066	Offsite Worker	-4.91E-01	-2.23E-05	-3.50E-04	-1.75E-03	-1.67E-02	-7.94E-05	-1.42E-03	-1.42E-05	-2.10E-03	-3.50E-03	-1.28E-03	-2.13E-04	-2.03E-03	-6.77E-05	-1.17E+00	-9.77E-03
220	373084	757026	Offsite Worker	-4.63E-01	-2.11E-05	-3.38E-04	-1.69E-03	-1.62E-02	-7.71E-05	-1.35E-03	-1.35E-05	-2.03E-03	-3.38E-03	-1.24E-03	-2.06E-04	-1.96E-03	-6.54E-05	-1.13E+00	-9.45E-03
221	373009	757011	Offsite Worker	-4.98E-02	-2.26E-06	-2.95E-04	-1.48E-03	-1.40E-02	-6.65E-05	-1.12E-03	-1.12E-05	-1.77E-03	-2.95E-03	-1.08E-03	-1.79E-04	-1.71E-03	-5.71E-05	-9.88E-01	-8.24E-03
222	372922	757009	Offsite Worker	2.21E-01	1.01E-05	-2.60E-04	-1.30E-03	-1.31E-02	-6.26E-05	-9.36E-04	-9.36E-06	-1.56E-03	-2.60E-03	-9.56E-04	-1.59E-04	-1.51E-03	-5.04E-05	-8.77E-01	-7.31E-03
223	372835	757007	Offsite Worker	-3.51E-01	-1.60E-05	-4.26E-04	-2.13E-03	-3.02E-02	-1.44E-04	-1.82E-03	-1.82E-05	-2.56E-03	-4.26E-03	-1.63E-03	-2.71E-04	-2.47E-03	-8.25E-05	-1.49E+00	-1.24E-02
224	372747	757006	Offsite Worker	-2.26E-01	-1.03E-05	-4.32E-04	-2.16E-03	-3.02E-02	-1.44E-04	-1.92E-03	-1.92E-05	-2.59E-03	-4.32E-03	-1.64E-03	-2.74E-04	-2.50E-03	-8.34E-05	-1.51E+00	-1.26E-02
225	372660	757004	Offsite Worker	-2.54E-02	-1.16E-06	-1.65E-04	-8.23E-04	-5.60E-03	-2.67E-05	-4.92E-04	-4.92E-06	-9.88E-04	-1.65E-03	-5.85E-04	-9.75E-05	-9.55E-04	-3.18E-05	-5.37E-01	-4.48E-03
226	372651	757063	Offsite Worker	-2.96E-01	-1.35E-05	-1.23E-04	-6.15E-04	3.05E-04	1.45E-06	-2.55E-04	-2.55E-06	-7.38E-04	-1.23E-03	-4.05E-04	-6.75E-05	-7.13E-04	-2.38E-05	-3.72E-01	-3.10E-03
227	372629	756931	Offsite Worker	1.09E+00	4.94E-05	1.69E-05	8.43E-05	7.23E-03	3.45E-05	4.73E-04	4.73E-06	1.01E-04	1.69E-04	1.07E-04	1.79E-05	9.78E-05	3.26E-06	9.78E-02	8.15E-04
228	372631	756857	Offsite Worker	3.11E+00	1.41E-04	6.40E-04	3.20E-03	5.51E-02	2.62E-04	3.84E-03	3.84E-05	3.84E-03	6.40E-03	2.51E-03	4.19E-04	3.71E-03	1.24E-04	2.30E+00	1.92E-02
229	372634	756783	Offsite Worker	2.68E+00	1.22E-04	8.49E-04	4.25E-03	6.58E-02	3.14E-04	4.93E-03	4.93E-05	5.10E-03	8.49E-03	3.28E-03	5.47E-04	4.93E-03	1.64E-04	3.01E+00	2.51E-02
230	372702	756778	Offsite Worker	1.23E+00	5.57E-05	2.89E-04	1.45E-03	2.28E-02	1.09E-04	1.99E-03	1.99E-05	1.74E-03	2.89E-03	1.12E-03	1.87E-04	1.68E-03	5.59E-05	1.03E+00	8.56E-03
231	372756	756775	Offsite Worker	4.51E-01	2.05E-05	1.17E-04	5.85E-04	1.02E-02	4.88E-05	1.03E-03	1.03E-05	7.02E-04	1.17E-03	4.60E-04	7.67E-05	6.78E-04	2.26E-05	4.22E-01	3.52E-03
232	372729	756712	Offsite Worker	1.44E+00	6.55E-05	-1.39E-04	-6.95E-04	-5.24E-03	-2.49E-05	-2.58E-04	-2.58E-06	-8.34E-04	-1.39E-03	-4.98E-04	-8.29E-05	-8.07E-04	-2.69E-05	-4.57E-01	-3.81E-03
233	372703	756650	Offsite Worker	1.11E+00	5.03E-05	-1.85E-05	-9.23E-05	2.21E-03	1.05E-05	3.92E-04	3.92E-06	-1.11E-04	-1.85E-04	-4.53E-05	-7.54E-06	-1.07E-04	-3.57E-06	-4.20E-02	-3.50E-04
234	372677	756588	Offsite Worker	4.82E-01	2.19E-05	-2.26E-04	-1.13E-03	-1.43E-02	-6.83E-05	-7.27E-04	-7.27E-06	-1.35E-03	-2.26E-03	-8.49E-04	-1.42E-04	-1.31E-03	-4.36E-05	-7.79E-01	-6.49E-03
235	372619	756588	Offsite Worker	6.67E-01	3.03E-05	-1.25E-04	-6.25E-04	-7.42E-03	-3.53E-05	-1.72E-04	-1.72E-06	-7.51E-04	-1.25E-03	-4.67E-04	-7.78E-05	-7.26E-04	-2.42E-05	-4.28E-01	-3.57E-03
236	372622	756509	Offsite Worker	-1.07E-01	-4.87E-06	-2.74E-04	-1.37E-03	-1.96E-02	-9.33E-05	-9.10E-04	-9.10E-06	-1.64E-03	-2.74E-03	-1.05E-03	-1.74E-04	-1.59E-03	-5.29E-05	-9.59E-01	-7.99E-03
237	372700	756511	Offsite Worker	-4.50E-01	-2.04E-05	-2.26E-04	-1.13E-03	-1.61E-02	-7.67E-05	-7.00E-04	-7.00E-06	-1.36E-03	-2.26E-03	-8.63E-04	-1.44E-04	-1.31E-03	-4.37E-05	-7.92E-01	-6.60E-03
238	372789	756510	Offsite Worker	-7.51E-01	-3.42E-05	-2.82E-04	-1.41E-03	-1.99E-02	-9.48E-05	-9.91E-04	-9.91E-06	-1.69E-03	-2.82E-03	-1.07E-03	-1.79E-04	-1.63E-03	-5.45E-05	-9.86E-01	-8.22E-03
239	372871	756509	Offsite Worker	-8.36E-01	-3.80E-05	-4.80E-04	-2.40E-03	-3.29E-02	-1.57E-04	-2.03E-03	-2.03E-05	-2.88E-03	-4.80E-03	-1.82E-03	-3.04E-04	-2.78E-03	-9.27E-05	-1.67E+00	-1.39E-02
240	372871	756437	Offsite Worker	-8.23E-01	-3.74E-05	-1.03E-03	-5.15E-03	-6.83E-02	-3.25E-04	-4.61E-03	-4.61E-05	-6.18E-03	-1.03E-02	-3.90E-03	-6.49E-04	-5.98E-03	-1.99E-04	-3.57E+00	-2.98E-02
241	372970	756437	Offsite Worker	-6.02E-01	-2.74E-05	-1.28E-03	-6.40E-03	-8.46E-02	-4.03E-04	-5.89E-03	-5.89E-05	-7.67E-03	-1.28E-02	-4.84E-03	-8.06E-04	-7.42E-03	-2.47E-04	-4.44E+00	-3.70E-02
242	373069	756437	Offsite Worker	-5.76E-01	-2.62E-05	-1.09E-03	-5.43E-03	-7.32E-02	-3.49E-04	-5.00E-03	-5.00E-05	-6.52E-03	-1.09E-02	-4.12E-03	-6.86E-04	-6.30E-03	-2.10E-04	-3.78E+00	-3.15E-02
243	373168	756437	Offsite Worker	-5.50E-01	-2.50E-05	-7.10E-04	-3.55E-03	-5.09E-02	-2.42E-04	-3.21E-03	-3.21E-05	-4.26E-03	-7.10E-03	-2.71E-03	-4.52E-04	-4.12E-03	-1.37E-04	-2.49E+00	-2.07E-02
244	373267	756437	Offsite Worker	-4.35E-01	-1.98E-05	-7.41E-04	-3.70E-03	-5.26E-02	-2.50E-04	-3.38E-03	-3.38E-05	-4.44E-03	-7.41E-03	-2.83E-03	-4.71E-04	-4.30E-03	-1.43E-04	-2.59E+00	-2.16E-02
245	373412	756437	Offsite Worker	-2.37E-01	-1.08E-05	-7.99E-04	-3.99E-03	-5.58E-02	-2.66E-04	-3.70E-03	-3.70E-05	-4.79E-03	-7.99E-03	-3.04E-03	-5.07E-04	-4.63E-03	-1.54E-04	-2.79E+00	-2.32E-02
246	373409	756339	Offsite Worker	-2.26E-01	-1.03E-05	-1.10E-03	-5.50E-03	-7.39E-02	-3.52E-04	-5.15E-03	-5.15E-05	-6.60E-03	-1.10E-02	-4.16E-03	-6.94E-04	-6.38E-03	-2.13E-04	-3.82E+00	-3.18E-02
247	373406	756240	Offsite Worker	-1.58E-01	-7.20E-06	-1.09E-03	-5.45E-03	-6.78E-02	-3.23E-04	-4.99E-03	-4.99E-05	-6.54E-03	-1.09E-02	-4.09E-03	-6.81E-04	-6.32E-03	-2.11E-04	-3.75E+00	-3.13E-02
248	373403	756142	Offsite Worker	-1.09E-01	-4.95E-06	-6.49E-04	-3.24E-03	-4.55E-02	-2.17E-04	-2.90E-03	-2.90E-05	-3.89E-03	-6.49E-03	-2.47E-03	-4.12E-04	-3.76E-03	-1.25E-04	-2.27E+00	-1.89E-02
249	373400	756042	Offsite Worker	-1.61E-01	-7.31E-06	-9.27E-04	-4.63E-03	-8.22E-02	-3.91E-04	-4.41E-03	-4.41E-05	-5.56E-03	-9.27E-03	-3.65E-03	-6.09E-04	-5.37E-03	-1.79E-04	-3.35E+00	-2.79E-02
250	373397	755944	Offsite Worker	1.11E-01	5.03E-06	-9.86E-04	-4.93E-03	-8.44E-02	-4.02E-04	-4.73E-03	-4.73E-05	-5.92E-03	-9.86E-03	-3.87E-03	-6.44E-04	-5.72E-03	-1.91E-04	-3.54E+00	-2.95E-02
251	373393	755846	Offsite Worker	-1.43E-02	-6.50E-07	-1.41E-03	-7.05E-03	-1.09E-01	-5.20E-04	-6.88E-03	-6.88E-05	-8.46E-03	-1.41E-02	-5.45E-03	-9.08E-04	-8.18E-03	-2.73E-04	-4.99E+00	-4.16E-02
252	373390	755747	Offsite Worker	-9.56E-01	-4.35E-05	-1.23E-03	-6.13E-03	-9.11E-02	-4.34E-04	-5.95E-03	-5.95E-05	-7.36E-03	-1.23E-02	-4.71E-03	-7.85E-04	-7.11E-03	-2.37E-04	-4.32E+00	-3.60E-02
253	373309	755744	Offsite Worker	-1.25E+00	-5.66E-05	-1.30E-03	-6.50E-03	-9.58E-02	-4.56E-04	-6.32E-03	-6.32E-05	-7.80E-03	-1.30E-02	-4.99E-03	-8.31E-04	-7.54E-03	-2.51E-04	-4.57E+00	-3.81E-02
254	373229	755743	Offsite Worker	-1.52E+00	-6.92E-05	-1.44E-03	-7.19E-03	-1.07E-01	-5.10E-04	-7.03E-03	-7.03E-05	-8.63E-03	-1.44E-02	-5.52E-03	-9.21E-04	-8.34E-03	-2.78E-04	-5.07E+00	-4.22E-02
255	373143	755741	Offsite Worker	-1.84E+00	-8.35E-05	-1.61E-03	-8.03E-03	-1.22E-01	-5.79E-04	-7.90E-03	-7.90E-05	-9.64E-03	-1.61E-02	-6.19E-03	-1.03E-03	-9.32E-03	-3.11E-04	-5.67E+00	-4.73E-02
256	373143	755823	Offsite Worker	-1.14E+00	-5.19E-05	-1.63E-03	-8.14E-03	-1.23E-01	-5.88E-04	-7.99E-03	-7.99E-05	-9.77E-03	-1.63E-02	-6.27E-03	-1.05E-03	-9.45E-03	-3.15E-04	-5.75E+00	-4.79E-02
257	373143	755906	Offsite Worker	-5.98E-01	-2.72E-05	-1.38E-03	-6.90E-03	-1.17E-01	-5.56E-04	-6.80E-03	-6.80E-05	-8.28E-03	-1.38E-02	-5.40E-03	-9.00E-04	-8.00E-03	-2.67E-04	-4.95E+00	-4.12E-02
258	373065	755906	Offsite Worker	-9.36E-01	-4.25E-05	-1.46E-03	-7.28E-03	-1.24E-01	-5.90E-04	-7.21E-03	-7.21E-05	-8.73E-03	-1.46E-02	-5.70E-03	-9.50E-04	-8.44E-03	-2.81E-04	-5.23E+00	-4.36E-02
259	373065	755827	Offsite Worker	-1.73E+00	-7.87E-05	-1.87E-03	-9.33E-03	-1.49E-01	-7.09E-04	-9.25E-03	-9.25E-05	-1.12E-02	-1.87E-02	-7.24E-03	-1.21E-03	-1.08E-02	-3.61E-04	-6.64E+00	-5.53E-02
260	373068	755733	Offsite Worker	-1.89E+00	-8.60E-05	-1.67E-03	-8.37E-03	-1.22E-01	-5.83E-04	-8.20E-03	-8.20E-05	-1.00E-02	-1.67E-02	-6.41E-03	-1.07E-03	-9.71E-03	-3.24E-04	-5.88E+00	-4.90E-02

Table 3-2B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study - - Alternative 2, Horizon Year 2025
for Onsite and Offsite Receptors
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m^3)	xylene, total Acute Hazard	arsenic (µg/m^3)	arsenic Acute Hazard	chlorine (µg/m^3)	chlorine Acute Hazard	copper (µg/m^3)	copper Acute Hazard	mercury (µg/m^3)	mercury Acute Hazard	nickel (µg/m^3)	nickel Acute Hazard	vanadium (µg/m^3)	vanadium Acute Hazard	sulfates (µg/m^3)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
261	373007	755733	Offsite Worker	-2.06E+00	-9.37E-05	-1.72E-03	-8.59E-03	-1.23E-01	-5.86E-04	-8.39E-03	-8.39E-05	-1.03E-02	-1.72E-02	-6.56E-03	-1.09E-03	-9.96E-03	-3.32E-04	-6.02E+00	-5.02E-02
262	372941	755733	Offsite Worker	-2.39E+00	-1.09E-04	-1.80E-03	-9.01E-03	-1.26E-01	-6.01E-04	-8.79E-03	-8.79E-05	-1.08E-02	-1.80E-02	-6.86E-03	-1.14E-03	-1.05E-02	-3.48E-04	-6.29E+00	-5.25E-02
263	372941	755636	Offsite Worker	-1.78E+00	-8.10E-05	-1.74E-03	-8.71E-03	-1.19E-01	-5.66E-04	-8.53E-03	-8.53E-05	-1.04E-02	-1.74E-02	-6.61E-03	-1.10E-03	-1.01E-02	-3.37E-04	-6.06E+00	-5.05E-02
264	372941	755539	Offsite Worker	-1.91E+00	-8.67E-05	-1.80E-03	-9.01E-03	-1.28E-01	-6.08E-04	-8.95E-03	-8.95E-05	-1.08E-02	-1.80E-02	-6.87E-03	-1.15E-03	-1.04E-02	-3.48E-04	-6.30E+00	-5.25E-02
265	372941	755442	Offsite Worker	-1.61E+00	-7.30E-05	-2.44E-03	-1.22E-02	-1.70E-01	-8.11E-04	-1.22E-02	-1.22E-04	-1.46E-02	-2.44E-02	-9.28E-03	-1.55E-03	-1.41E-02	-4.71E-04	-8.51E+00	-7.09E-02
266	372913	755342	Offsite Worker	-1.75E+00	-7.97E-05	-3.77E-03	-1.88E-02	-2.62E-01	-1.25E-03	-1.90E-02	-1.90E-04	-2.26E-02	-3.77E-02	-1.43E-02	-2.39E-03	-2.19E-02	-7.29E-04	-1.32E+01	-1.10E-01
267	372817	755346	Offsite Worker	-2.02E+00	-9.18E-05	-4.70E-03	-2.35E-02	-3.27E-01	-1.56E-03	-2.37E-02	-2.37E-04	-2.82E-02	-4.70E-02	-1.79E-02	-2.98E-03	-2.73E-02	-9.08E-04	-1.64E+01	-1.37E-01
268	372720	755349	Offsite Worker	-2.88E+00	-1.31E-04	-7.14E-03	-3.57E-02	-4.94E-01	-2.35E-03	-3.61E-02	-3.61E-04	-4.28E-02	-7.14E-02	-2.71E-02	-4.52E-03	-4.14E-02	-1.38E-03	-2.49E+01	-2.07E-01
269	372624	755352	Offsite Worker	-3.14E+00	-1.43E-04	-9.89E-03	-4.95E-02	-6.85E-01	-3.26E-03	-5.00E-02	-5.00E-04	-5.94E-02	-9.89E-02	-3.76E-02	-6.27E-03	-5.74E-02	-1.91E-03	-3.45E+01	-2.88E-01
270	372527	755349	Offsite Worker	-2.97E+00	-1.35E-04	-5.02E-03	-2.51E-02	-3.48E-01	-1.66E-03	-2.49E-02	-2.49E-04	-3.01E-02	-5.02E-02	-1.91E-02	-3.18E-03	-2.91E-02	-9.70E-04	-1.75E+01	-1.46E-01
271	372431	755353	Offsite Worker	-3.45E+00	-1.57E-04	-4.45E-03	-2.23E-02	-3.06E-01	-1.46E-03	-2.21E-02	-2.21E-04	-2.67E-02	-4.45E-02	-1.69E-02	-2.82E-03	-2.58E-02	-8.60E-04	-1.55E+01	-1.29E-01
272	372334	755356	Offsite Worker	-1.99E+00	-9.04E-05	-5.37E-03	-2.69E-02	-3.73E-01	-1.78E-03	-2.70E-02	-2.70E-04	-3.22E-02	-5.37E-02	-2.04E-02	-3.41E-03	-3.12E-02	-1.04E-03	-1.87E+01	-1.56E-01
273	372237	755359	Offsite Worker	-3.63E+00	-1.65E-04	-6.14E-03	-3.07E-02	-4.28E-01	-2.04E-03	-3.11E-02	-3.11E-04	-3.68E-02	-6.14E-02	-2.34E-02	-3.89E-03	-3.56E-02	-1.19E-03	-2.14E+01	-1.79E-01
274	372141	755362	Offsite Worker	-1.81E+00	-8.21E-05	-1.08E-02	-5.38E-02	-7.50E-01	-3.57E-03	-5.46E-02	-5.46E-04	-6.46E-02	-1.08E-01	-4.10E-02	-6.83E-03	-6.25E-02	-2.08E-03	-3.76E+01	-3.13E-01
275	372044	755366	Offsite Worker	-1.61E+00	-7.32E-05	-1.06E-02	-5.29E-02	-7.37E-01	-3.51E-03	-5.36E-02	-5.36E-04	-6.35E-02	-1.06E-01	-4.03E-02	-6.71E-03	-6.14E-02	-2.05E-03	-3.69E+01	-3.08E-01
276	371948	755369	Offsite Worker	-6.27E-01	-2.85E-05	-5.73E-03	-2.87E-02	-4.01E-01	-1.91E-03	-2.89E-02	-2.89E-04	-3.44E-02	-5.73E-02	-2.18E-02	-3.64E-03	-3.32E-02	-1.11E-03	-2.00E+01	-1.67E-01
277	371851	755372	Offsite Worker	-2.07E+00	-9.42E-05	-4.68E-03	-2.34E-02	-3.29E-01	-1.56E-03	-2.36E-02	-2.36E-04	-2.81E-02	-4.68E-02	-1.78E-02	-2.97E-03	-2.71E-02	-9.05E-04	-1.64E+01	-1.36E-01
278	371755	755375	Offsite Worker	-4.64E+00	-2.11E-04	-4.86E-03	-2.43E-02	-3.39E-01	-1.61E-03	-2.45E-02	-2.45E-04	-2.91E-02	-4.86E-02	-1.85E-02	-3.08E-03	-2.82E-02	-9.39E-04	-1.70E+01	-1.41E-01
279	371658	755378	Offsite Worker	-6.08E+00	-2.77E-04	-4.73E-03	-2.36E-02	-3.32E-01	-1.58E-03	-2.39E-02	-2.39E-04	-2.84E-02	-4.73E-02	-1.80E-02	-3.00E-03	-2.74E-02	-9.14E-04	-1.65E+01	-1.38E-01
280	371562	755382	Offsite Worker	-4.54E+00	-2.06E-04	-3.83E-03	-1.92E-02	-2.71E-01	-1.29E-03	-1.93E-02	-1.93E-04	-2.30E-02	-3.83E-02	-1.46E-02	-2.44E-03	-2.22E-02	-7.41E-04	-1.34E+01	-1.12E-01
281	371465	755385	Offsite Worker	-3.65E+00	-1.66E-04	-2.89E-03	-1.44E-02	-2.06E-01	-9.80E-04	-1.45E-02	-1.45E-04	-1.73E-02	-2.89E-02	-1.10E-02	-1.84E-03	-1.67E-02	-5.58E-04	-1.01E+01	-8.43E-02
282	371368	755388	Offsite Worker	-2.85E+00	-1.30E-04	-1.97E-03	-9.86E-03	-1.44E-01	-6.86E-04	-9.86E-03	-9.86E-05	-1.18E-02	-1.97E-02	-7.55E-03	-1.26E-03	-1.14E-02	-3.81E-04	-6.93E+00	-5.77E-02
283	371272	755391	Offsite Worker	-1.97E+00	-8.94E-05	-1.79E-03	-8.95E-03	-1.33E-01	-6.34E-04	-8.85E-03	-8.85E-05	-1.07E-02	-1.79E-02	-6.88E-03	-1.15E-03	-1.04E-02	-3.46E-04	-6.31E+00	-5.26E-02
284	371175	755395	Offsite Worker	-2.65E+00	-1.20E-04	-2.24E-03	-1.12E-02	-1.71E-01	-8.15E-04	-1.13E-02	-1.13E-04	-1.34E-02	-2.24E-02	-8.64E-03	-1.44E-03	-1.30E-02	-4.33E-04	-7.92E+00	-6.60E-02
285	371079	755398	Offsite Worker	-8.96E-01	-4.07E-05	-1.77E-03	-8.87E-03	-1.27E-01	-6.06E-04	-8.68E-03	-8.68E-05	-1.06E-02	-1.77E-02	-6.78E-03	-1.13E-03	-1.03E-02	-3.43E-04	-6.22E+00	-5.18E-02
286	371042	755478	Offsite Worker	-1.01E+00	-4.60E-05	-1.48E-03	-7.39E-03	-1.11E-01	-5.29E-04	-7.14E-03	-7.14E-05	-8.86E-03	-1.48E-02	-5.68E-03	-9.47E-04	-8.57E-03	-2.86E-04	-5.21E+00	-4.34E-02
287	371009	755538	Offsite Worker	-4.81E-01	-2.19E-05	-1.49E-03	-7.46E-03	-1.17E-01	-5.59E-04	-7.25E-03	-7.25E-05	-8.95E-03	-1.49E-02	-5.78E-03	-9.63E-04	-8.66E-03	-2.89E-04	-5.30E+00	-4.41E-02
288	370975	755597	Offsite Worker	1.51E+00	6.88E-05	-1.79E-03	-8.95E-03	-1.34E-01	-6.38E-04	-8.65E-03	-8.65E-05	-1.07E-02	-1.79E-02	-6.88E-03	-1.15E-03	-1.04E-02	-3.46E-04	-6.31E+00	-5.26E-02
289	370925	755597	Offsite Worker	7.27E-01	3.30E-05	-1.93E-03	-9.66E-03	-1.41E-01	-6.72E-04	-9.28E-03	-9.28E-05	-1.16E-02	-1.93E-02	-7.40E-03	-1.23E-03	-1.12E-02	-3.74E-04	-6.79E+00	-5.66E-02
290	370860	755547	Offsite Worker	-3.43E+00	-1.56E-04	-1.71E-03	-8.55E-03	-1.26E-01	-5.99E-04	-8.04E-03	-8.04E-05	-1.03E-02	-1.71E-02	-6.55E-03	-1.09E-03	-9.92E-03	-3.31E-04	-6.01E+00	-5.01E-02
291	370796	755497	Offsite Worker	1.66E-01	7.55E-06	-2.95E-03	-1.47E-02	-2.01E-01	-9.59E-04	-1.43E-02	-1.43E-04	-1.77E-02	-2.95E-02	-1.12E-02	-1.87E-03	-1.71E-02	-5.70E-04	-1.03E+01	-8.56E-02
292	370733	755428	Offsite Worker	-2.32E+00	-1.05E-04	-3.01E-03	-1.50E-02	-2.11E-01	-1.01E-03	-1.48E-02	-1.48E-04	-1.80E-02	-3.01E-02	-1.15E-02	-1.91E-03	-1.74E-02	-5.81E-04	-1.05E+01	-8.76E-02
293	370634	755428	Offsite Worker	-9.27E-01	-4.21E-05	-3.61E-03	-1.81E-02	-2.53E-01	-1.20E-03	-1.77E-02	-1.77E-04	-2.17E-02	-3.61E-02	-1.38E-02	-2.29E-03	-2.10E-02	-6.99E-04	-1.26E+01	-1.05E-01
294	370536	755428	Offsite Worker	-1.71E+00	-7.77E-05	-5.84E-03	-2.92E-02	-4.05E-01	-1.93E-03	-2.91E-02	-2.91E-04	-3.50E-02	-5.84E-02	-2.22E-02	-3.70E-03	-3.39E-02	-1.13E-03	-2.04E+01	-1.70E-01
295	370437	755428	Offsite Worker	-3.42E+00	-1.55E-04	-6.03E-03	-3.01E-02	-4.19E-01	-1.99E-03	-3.01E-02	-3.01E-04	-3.62E-02	-6.03E-02	-2.29E-02	-3.82E-03	-3.49E-02	-1.16E-03	-2.10E+01	-1.75E-01
296	370338	755427	Offsite Worker	-5.44E+00	-2.47E-04	-5.66E-03	-2.83E-02	-3.95E-01	-1.88E-03	-2.82E-02	-2.82E-04	-3.39E-02	-5.66E-02	-2.15E-02	-3.59E-03	-3.28E-02	-1.09E-03	-1.98E+01	-1.65E-01
307	369249	755442	Offsite Worker	-4.68E-01	-2.13E-05	-1.54E-03	-7.69E-03	-1.13E-01	-5.40E-04	-7.60E-03	-7.60E-05	-9.23E-03	-1.54E-02	-5.90E-03	-9.83E-04	-8.92E-03	-2.97E-04	-5.41E+00	-4.51E-02
308	369151	755442	Offsite Worker	-1.13E+00	-5.14E-05	-1.39E-03	-6.96E-03	-1.02E-01	-4.85E-04	-6.85E-03	-6.85E-05	-8.35E-03	-1.39E-02	-5.33E-03	-8.89E-04	-8.07E-03	-2.69E-04	-4.89E+00	-4.08E-02
309	369052	755442	Offsite Worker	-1.76E+00	-7.99E-05	-9.15E-04	-4.57E-03	-6.03E-02	-2.87E-04	-4.26E-03	-4.26E-05	-5.49E-03	-9.15E-03	-3.46E-03	-5.76E-04	-5.31E-03	-1.77E-04	-3.17E+00	-2.64E-02
320	368035	755402	Offsite Worker	-1.02E+00	-4.62E-05	-1.62E-03	-8.09E-03	-1.15E-01	-5.50E-04	-8.01E-03	-8.01E-05	-9.70E-03	-1.62E-02	-6.18E-03	-1.03E-03	-9.38E-03	-3.13E-04	-5.67E+00	-4.72E-02
321	367960	755389	Offsite Worker	-1.09E+00	-4.94E-05	-1.61E-03	-8.06E-03	-1.16E-01	-5.53E-04	-8.01E-03	-8.01E-05	-9.68E-03	-1.61E-02	-6.17E-03	-1.03E-03	-9.35E-03	-3.12E-04	-5.66E+00	-4.71E-02
322	367863	755390	Offsite Worker	-8.73E-01	-3.97E-05	-1.50E-03	-7.50E-03	-1.12E-01	-5.33E-04	-7.48E-03	-7.48E-05	-9.00E-03	-1.50E-02	-5.76E-03	-9.60E-04	-8.70E-03	-2.90E-04	-5.28E+00	-4.40E-02
323	367766	755392	Offsite Worker	-3.27E-01	-1.49E-05	-1.24E-03	-6.21E-03	-9.30E-02	-4.43E-04	-6.17E-03	-6.17E-05	-7.45E-03	-1.24E-02	-4.77E-03	-7.95E-04	-7.20E-03	-2.40E-04	-4.38E+00	-3.65E-02
324	367669	755393	Offsite Worker	-7.86E-01	-3.57E-05	-9.23E-04	-4.62E-03	-6.97E-02	-3.32E-04	-4.55E-03	-4.55E-05	-5.54E-03	-9.23E-03	-3.55E-03	-5.92E-04	-5.35E-03	-1.78E-04	-3.26E+00	-2.71E-02
325	367572	755394	Offsite Worker	-1.18E+00	-5.38E-05	-7.44E-04	-3.72E-03	-5.65E-02	-2.69E-04	-3.65E-03	-3.65E-05	-4.47E-03	-7.44E-03	-2.87E-03	-4.78E-04	-4.32E-03	-1.44E-04	-2.63E+00	-2.19E-02
326	367475	755395	Offsite Worker	-1.41E+00	-6.40E-05	-7.71E-04	-3.85E-03	-5.63E-02	-2.68E-04	-3.79E-03	-3.79E-05	-4.62E-03	-7.71E-03	-2.95E-03	-4.92E-04	-4.47E-03	-1.49E-04	-2.71E+00	-2.26E-02
327	370400	756850	On-Site Occupational	-1.09E+01	-4.97E-04	-3.80E-03	-1.90E-02	-2.44E-01	-1.16E-03	-1.88E-02	-1.88E-04	-2.28E-02	-3.80E-02	-1.43E-02	-2.39E-03	-2.21E-02	-7.35E-04	-1.31E+01	-1.10E-01
1	367379	755396	Recreational	-1.49E+00	-6.77E-05	-7.01E-04	-3.51E-03	-5.12E-02	-2.44E-04	-3.43E-03	-3.43E-05	-4.21E-03	-7.01E-03	-2.69E-03	-4.48E-04	-4.07E-03	-1.36E-04	-2.46E+00	-2.05E-02
2	367340	755485	Recreational	-1.26E+00	-5.72E-05	-5.40E-04	-2.70E-03	-3.97E-02	-1.89E-04	-2.61E-03	-2.61E-05	-3.24E-03	-5.40E-03	-2.07E-03	-3.45E-04	-3.13E-03	-1.04E-04	-1.90E+00	-1.58E-02
3	367301	755573	Recreational	-1.78E+00	-8.11E-05	-6.07E-04	-3.03E-03	-4.51E-02	-2.15E-04	-2.90E-03	-2.90E-05	-3.64E-03	-6.07E-03	-2.33E-03	-3.88E-04	-3.52E-03	-1.17E-04	-2.14E+00	-1.78E-02
4	367263	755661	Recreational	-2.46E+00	-1.12E-04	-7.75E-04	-3.87E-03	-5.86E-02	-2.79E-04	-3.73E-03	-3.73E-05	-4.65E-03	-7.75E-03	-2.98E-03	-4.97E-04	-4.49E-03	-1.50E-04	-2.74E+00	-2.28E-02
5	367224	755749	Recreational	-1.91E+00	-8.66E-05	-6.60E-04	-3.30E-03	-4.89E-02	-2.33E-04	-3.13E-03	-3.13E-05	-3.96E-03	-6.60E-03	-2.53E-03	-4.22E-04	-3.83E-03	-1.28E-04	-2.32E+00	-1.94E-02
6	367186	755838	Recreational	-7.57E-01	-3.44E-05	-6.55E-04	-3.27E-03	-4.92E-02	-2.34E-04	-3.14E-03	-3.14E-05	-3.93E-03	-6.55E-03	-2.52E-03	-4.20E-04	-3.80E-03	-1.27E-04	-2.31E+00	-1.92E-02
7	367147	755926	Recreational	2.36E-01	1.07E-05	-5.18E-04	-2.59E-03	-3.15E-02	-1.50E-04	-2.34E-03	-2.34E-05	-3.11E-03	-5.18E-03	-1.94E-03	-3.23E-04	-3.01E-03	-1.00E-04	-1.78E+00	-1.48E-02
8	367109	756014	Recreational	-3.36E-01	-1.53E-05	-7.91E-04	-3.96E-03	-5.30E-02	-2.52E-04	-3.75E-03	-3.75E-05	-4.75E-03	-7.91E-03	-3.00E-03	-4.99E-04	-4.59E-03	-1.53E-04	-2.75E+00	-2.29E-02
9	367070	756103	Recreational	-6.00E-01	-2.73E-05	-9.63E-04	-4.81E-03	-6.58E-02	-3.13E-04	-4.62E-03	-4.62E-05	-5.78E-03	-9.63E-03	-3.65E-03	-6.09E-04	-5.58E-03	-1.86E-04	-3.35E+00	-2.79E-02
10	367032	756191	Recreational	2.08E-01	9.47E-06	-6.92E-04	-3.46E-03	-4.50E-02	-2.14E-04	-3.21E-03	-3.21E-05	-4.15E-03	-6.92E-03	-2.61E-03	-4.35E-04	-4.01E-03	-1.34E-04	-2.39E+00	-2.00E-02
11	366993	756279	Recreational	6.07E-02	2.76E-06	-9.91E-04	-4.96E-03	-6.39E-02	-3.04E-04	-4.69E-03	-4.69E-05	-5.95E-03	-9.91E-03	-3.74E-03	-6.23E-04	-5.75E-03	-1.92E-04	-3.43E+00	-2.86E-02
12	366954	756367	Recreational	-1.71E-01	-7.77E-06	-9.26E-04	-4.63E-03	-6.03E-02	-2.87E-04	-4.37E-03	-4.37E-05	-5.56E-03	-9.26E-03	-3.50E-03	-5.83E-04	-5.37E-03	-1.79E-04	-3.21E+00	-2.67E-02
13	366916	756456	Recreational	-2.34E-01	-1.06E-05	-6.51E-04	-3.25E-03	-4.12E-02	-1.96E-04	-3.00E-03	-3.00E-05	-3.90E-03	-6.51E-03	-2.45E-03	-4.08E-04	-3.77E-03	-1.26E-04	-2.25E+00	-1.87E-02
14	366877	756544	Recreational	-4.78E-01	-2.17E-05	-5.45E-04	-2.72E-03	-3.55E-02	-1.69E-04	-2.51E-03	-2.51E-05	-3.27E-03	-5.45E-03	-2.06E-03	-3.43E-04	-3.16E-03	-1.05E-04	-1.89E+00	-1.57E-02
15	366839	756632	Recreational	-9.33E-01	-4.24E-05	-6.64E-04	-3.32E-03	-4.43E-02	-2.11E-04	-3.11E-03	-3.11E-05	-3.98E-03	-6.64E-03	-2.51E-03	-4.19E-04	-3.85E-03	-1.28E-04	-2.31E+00	-1.92E-02
16	366800	756720	Recreational	-6.35E-01	-2.89E-05	-5.08E-04	-2.54E-03	-3.40E-02	-1.62E-04	-2.34E-03	-2.34E-05	-3.05E-03	-5.08E-03	-1.92E-03	-3.21E-04	-2.95E-03	-9.82E-05	-1.76E+00	-1.47E-02
17	366762	756809	Recreational	-1.71E-01	-7.76E-06	-3.86E-04	-1.93E-03	-2.56E-02	-1.22E-04	-1.75E-03	-1.75E-05	-2.32E-03	-3.86E-03	-1.46E-03	-2.43E-04	-2.24E-03	-7.47E-05	-1.34E+00	-1.12E-02
18	366723	756897	Recreational	-1.26E-01	-5.71E-06	-5.50E-04	-2.75E-03	-3.47E-02	-1.65E-04	-2.53E-03	-2.53E-05	-3.30E-03	-5.50E-03	-2.07E-03	-3.45E-04	-3.19E-03	-1.06E-04	-1.90E+00	-1.58E-02

Table 3-2B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study - - Alternative 2, Horizon Year 2025
for Onsite and Offsite Receptors
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m^3)	xylene, total Acute Hazard	arsenic (µg/m^3)	arsenic Acute Hazard	chlorine (µg/m^3)	chlorine Acute Hazard	copper (µg/m^3)	copper Acute Hazard	mercury (µg/m^3)	mercury Acute Hazard	nickel (µg/m^3)	nickel Acute Hazard	vanadium (µg/m^3)	vanadium Acute Hazard	sulfates (µg/m^3)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
19	366685	756985	Recreational	-1.46E-01	-6.64E-06	-6.26E-04	-3.13E-03	-4.02E-02	-1.91E-04	-2.90E-03	-2.90E-05	-3.75E-03	-6.26E-03	-2.36E-03	-3.93E-04	-3.63E-03	-1.21E-04	-2.16E+00	-1.80E-02
20	366646	757074	Recreational	-2.56E-01	-1.16E-05	-6.22E-04	-3.11E-03	-4.04E-02	-1.93E-04	-2.84E-03	-2.84E-05	-3.73E-03	-6.22E-03	-2.35E-03	-3.91E-04	-3.61E-03	-1.20E-04	-2.15E+00	-1.79E-02
21	366607	757162	Recreational	-4.10E-01	-1.86E-05	-5.84E-04	-2.92E-03	-3.99E-02	-1.90E-04	-2.64E-03	-2.64E-05	-3.51E-03	-5.84E-03	-2.22E-03	-3.70E-04	-3.39E-03	-1.13E-04	-2.04E+00	-1.70E-02
22	366569	757250	Recreational	-2.31E-01	-1.05E-05	-6.26E-04	-3.13E-03	-4.05E-02	-1.93E-04	-2.85E-03	-2.85E-05	-3.76E-03	-6.26E-03	-2.36E-03	-3.93E-04	-3.63E-03	-1.21E-04	-2.17E+00	-1.80E-02
23	366530	757338	Recreational	-2.79E-01	-1.27E-05	-5.51E-04	-2.76E-03	-3.64E-02	-1.73E-04	-2.48E-03	-2.48E-05	-3.31E-03	-5.51E-03	-2.08E-03	-3.47E-04	-3.20E-03	-1.07E-04	-1.91E+00	-1.59E-02
24	366492	757427	Recreational	-1.51E-01	-6.86E-06	-4.64E-04	-2.32E-03	-2.96E-02	-1.41E-04	-2.05E-03	-2.05E-05	-2.79E-03	-4.64E-03	-1.75E-03	-2.91E-04	-2.69E-03	-8.98E-05	-1.60E+00	-1.34E-02
25	366453	757515	Recreational	-1.05E-01	-4.78E-06	-3.99E-04	-1.99E-03	-2.55E-02	-1.21E-04	-1.73E-03	-1.73E-05	-2.39E-03	-3.99E-03	-1.50E-03	-2.50E-04	-2.31E-03	-7.71E-05	-1.38E+00	-1.15E-02
26	366415	757603	Recreational	-1.29E-01	-5.85E-06	-4.05E-04	-2.02E-03	-2.77E-02	-1.32E-04	-1.77E-03	-1.77E-05	-2.43E-03	-4.05E-03	-1.54E-03	-2.56E-04	-2.35E-03	-7.82E-05	-1.41E+00	-1.17E-02
27	366376	757692	Recreational	-2.81E-01	-1.28E-05	-4.74E-04	-2.37E-03	-3.28E-02	-1.56E-04	-2.13E-03	-2.13E-05	-2.85E-03	-4.74E-03	-1.80E-03	-3.01E-04	-2.75E-03	-9.17E-05	-1.65E+00	-1.38E-02
84	369336	758100	Recreational	-5.50E-01	-2.50E-05	-8.40E-04	-4.20E-03	-5.21E-02	-2.48E-04	-3.72E-03	-3.72E-05	-5.04E-03	-8.40E-03	-3.15E-03	-5.25E-04	-4.87E-03	-1.62E-04	-2.89E+00	-2.41E-02
85	369269	758170	Recreational	-7.77E-01	-3.53E-05	-1.08E-03	-5.39E-03	-6.71E-02	-3.19E-04	-4.97E-03	-4.97E-05	-6.47E-03	-1.08E-02	-4.05E-03	-6.74E-04	-6.25E-03	-2.08E-04	-3.71E+00	-3.09E-02
86	369202	758239	Recreational	-1.25E+00	-5.70E-05	-1.39E-03	-6.95E-03	-9.09E-02	-4.33E-04	-6.66E-03	-6.66E-05	-8.34E-03	-1.39E-02	-5.25E-03	-8.75E-04	-8.07E-03	-2.69E-04	-4.82E+00	-4.01E-02
87	369264	758285	Recreational	-5.92E-01	-2.69E-05	-6.32E-04	-3.16E-03	-3.81E-02	-1.81E-04	-2.76E-03	-2.76E-05	-3.79E-03	-6.32E-03	-2.36E-03	-3.94E-04	-3.67E-03	-1.22E-04	-2.17E+00	-1.81E-02
88	369326	758330	Recreational	1.90E-01	8.62E-06	-8.50E-04	-4.25E-03	-5.45E-02	-2.60E-04	-3.92E-03	-3.92E-05	-5.10E-03	-8.50E-03	-3.20E-03	-5.34E-04	-4.93E-03	-1.64E-04	-2.94E+00	-2.45E-02
89	369389	758376	Recreational	-4.78E-01	-2.17E-05	-1.02E-03	-5.12E-03	-6.86E-02	-3.27E-04	-4.89E-03	-4.89E-05	-6.14E-03	-1.02E-02	-3.88E-03	-6.46E-04	-5.94E-03	-1.98E-04	-3.56E+00	-2.96E-02
90	369389	758462	Recreational	-8.47E-01	-3.85E-05	-9.74E-04	-4.87E-03	-6.65E-02	-3.17E-04	-4.67E-03	-4.67E-05	-5.84E-03	-9.74E-03	-3.70E-03	-6.16E-04	-5.65E-03	-1.88E-04	-3.39E+00	-2.83E-02
91	369389	758548	Recreational	-1.15E+00	-5.22E-05	-1.04E-03	-5.20E-03	-7.15E-02	-3.40E-04	-5.02E-03	-5.02E-05	-6.24E-03	-1.04E-02	-3.95E-03	-6.58E-04	-6.03E-03	-2.01E-04	-3.62E+00	-3.02E-02
28	366338	757780	Residential	-4.21E-02	-1.91E-06	-4.66E-04	-2.33E-03	-3.26E-02	-1.55E-04	-2.11E-03	-2.11E-05	-2.80E-03	-4.66E-03	-1.77E-03	-2.96E-04	-2.70E-03	-9.01E-05	-1.63E+00	-1.36E-02
29	366402	757746	Residential	-8.82E-02	-4.01E-06	-4.67E-04	-2.34E-03	-3.23E-02	-1.54E-04	-2.10E-03	-2.10E-05	-2.80E-03	-4.67E-03	-1.78E-03	-2.96E-04	-2.71E-03	-9.03E-05	-1.63E+00	-1.36E-02
30	366467	757713	Residential	-1.50E-01	-6.81E-06	-4.83E-04	-2.41E-03	-3.34E-02	-1.59E-04	-2.16E-03	-2.16E-05	-2.90E-03	-4.83E-03	-1.84E-03	-3.06E-04	-2.80E-03	-9.33E-05	-1.68E+00	-1.40E-02
31	366531	757679	Residential	-1.84E-01	-8.36E-06	-4.94E-04	-2.47E-03	-3.41E-02	-1.63E-04	-2.21E-03	-2.21E-05	-2.96E-03	-4.94E-03	-1.88E-03	-3.13E-04	-2.87E-03	-9.55E-05	-1.72E+00	-1.44E-02
32	366567	757773	Residential	1.44E-01	6.56E-06	-5.40E-04	-2.70E-03	-3.89E-02	-1.85E-04	-2.49E-03	-2.49E-05	-3.24E-03	-5.40E-03	-2.06E-03	-3.44E-04	-3.13E-03	-1.04E-04	-1.89E+00	-1.58E-02
33	366625	757758	Residential	1.68E-01	7.65E-06	-5.44E-04	-2.72E-03	-3.90E-02	-1.86E-04	-2.50E-03	-2.50E-05	-3.26E-03	-5.44E-03	-2.08E-03	-3.46E-04	-3.15E-03	-1.05E-04	-1.91E+00	-1.59E-02
34	366682	757744	Residential	1.94E-01	8.83E-06	-5.49E-04	-2.74E-03	-3.93E-02	-1.87E-04	-2.51E-03	-2.51E-05	-3.29E-03	-5.49E-03	-2.10E-03	-3.49E-04	-3.18E-03	-1.06E-04	-1.92E+00	-1.60E-02
35	366768	757788	Residential	-1.42E-01	-6.46E-06	-6.39E-04	-3.20E-03	-4.74E-02	-2.26E-04	-3.01E-03	-3.01E-05	-3.84E-03	-6.39E-03	-2.45E-03	-4.09E-04	-3.71E-03	-1.24E-04	-2.25E+00	-1.88E-02
36	366854	757833	Residential	-1.02E-01	-4.65E-06	-7.28E-04	-3.64E-03	-5.29E-02	-2.52E-04	-3.44E-03	-3.44E-05	-4.37E-03	-7.28E-03	-2.79E-03	-4.64E-04	-4.22E-03	-1.41E-04	-2.55E+00	-2.13E-02
37	366941	757877	Residential	-3.33E-03	-1.51E-07	-7.85E-04	-3.93E-03	-5.78E-02	-2.75E-04	-3.76E-03	-3.76E-05	-4.71E-03	-7.85E-03	-3.01E-03	-5.02E-04	-4.56E-03	-1.52E-04	-2.76E+00	-2.30E-02
38	367027	757922	Residential	5.06E-02	2.30E-06	-8.04E-04	-4.02E-03	-6.11E-02	-2.91E-04	-3.87E-03	-3.87E-05	-4.82E-03	-8.04E-03	-3.10E-03	-5.16E-04	-4.66E-03	-1.55E-04	-2.84E+00	-2.37E-02
39	367113	757966	Residential	-7.48E-04	-3.40E-08	-9.70E-04	-4.85E-03	-7.19E-02	-3.42E-04	-4.71E-03	-4.71E-05	-5.82E-03	-9.70E-03	-3.72E-03	-6.21E-04	-5.63E-03	-1.88E-04	-3.42E+00	-2.85E-02
40	367192	757916	Residential	1.45E-02	6.60E-07	-9.87E-04	-4.93E-03	-7.30E-02	-3.48E-04	-4.78E-03	-4.78E-05	-5.92E-03	-9.87E-03	-3.79E-03	-6.31E-04	-5.72E-03	-1.91E-04	-3.47E+00	-2.89E-02
41	367264	757916	Residential	-1.73E-01	-7.87E-06	-1.05E-03	-5.27E-03	-7.80E-02	-3.71E-04	-5.10E-03	-5.10E-05	-6.32E-03	-1.05E-02	-4.04E-03	-6.74E-04	-6.11E-03	-2.04E-04	-3.71E+00	-3.09E-02
42	367335	757916	Residential	-5.08E-01	-2.31E-05	-1.10E-03	-5.48E-03	-8.19E-02	-3.90E-04	-5.29E-03	-5.29E-05	-6.58E-03	-1.10E-02	-4.21E-03	-7.02E-04	-6.36E-03	-2.12E-04	-3.86E+00	-3.22E-02
43	367343	757966	Residential	-5.19E-01	-2.36E-05	-1.01E-03	-5.06E-03	-7.81E-02	-3.72E-04	-4.85E-03	-4.85E-05	-6.07E-03	-1.01E-02	-3.91E-03	-6.51E-04	-5.87E-03	-1.96E-04	-3.58E+00	-2.99E-02
44	367404	757995	Residential	-2.00E-01	-9.09E-06	-1.04E-03	-5.20E-03	-8.02E-02	-3.82E-04	-4.95E-03	-4.95E-05	-6.24E-03	-1.04E-02	-4.01E-03	-6.69E-04	-6.03E-03	-2.01E-04	-3.68E+00	-3.07E-02
45	367465	758024	Residential	-6.38E-02	-2.90E-06	-1.18E-03	-5.91E-03	-9.15E-02	-4.36E-04	-5.69E-03	-5.69E-05	-7.10E-03	-1.18E-02	-4.57E-03	-7.61E-04	-6.86E-03	-2.29E-04	-4.19E+00	-3.49E-02
55	367673	758189	Residential	-4.60E-01	-2.09E-05	-1.09E-03	-5.45E-03	-8.01E-02	-3.81E-04	-5.24E-03	-5.24E-05	-6.53E-03	-1.09E-02	-4.18E-03	-6.96E-04	-6.32E-03	-2.11E-04	-3.83E+00	-3.19E-02
59	367816	758096	Residential	-4.46E-01	-2.03E-05	-1.19E-03	-5.94E-03	-8.77E-02	-4.18E-04	-5.75E-03	-5.75E-05	-7.13E-03	-1.19E-02	-4.56E-03	-7.60E-04	-6.89E-03	-2.30E-04	-4.18E+00	-3.48E-02
60	367898	758066	Residential	-4.64E-01	-2.11E-05	-1.20E-03	-6.02E-03	-8.91E-02	-4.24E-04	-5.84E-03	-5.84E-05	-7.22E-03	-1.20E-02	-4.62E-03	-7.70E-04	-6.98E-03	-2.33E-04	-4.24E+00	-3.53E-02
61	367980	758035	Residential	-4.25E-01	-1.93E-05	-1.22E-03	-6.11E-03	-9.07E-02	-4.32E-04	-5.96E-03	-5.96E-05	-7.33E-03	-1.22E-02	-4.69E-03	-7.82E-04	-7.09E-03	-2.36E-04	-4.30E+00	-3.58E-02
62	368062	758005	Residential	-4.27E-01	-1.94E-05	-1.32E-03	-6.60E-03	-9.64E-02	-4.59E-04	-6.45E-03	-6.45E-05	-7.92E-03	-1.32E-02	-5.05E-03	-8.42E-04	-7.65E-03	-2.55E-04	-4.64E+00	-3.86E-02
63	368144	757975	Residential	-6.03E-01	-2.74E-05	-1.38E-03	-6.92E-03	-1.00E-01	-4.77E-04	-6.78E-03	-6.78E-05	-8.30E-03	-1.38E-02	-5.29E-03	-8.82E-04	-8.02E-03	-2.67E-04	-4.85E+00	-4.04E-02
64	368226	757945	Residential	-7.86E-01	-3.57E-05	-1.41E-03	-7.04E-03	-1.01E-01	-4.83E-04	-6.90E-03	-6.90E-05	-8.44E-03	-1.41E-02	-5.38E-03	-8.97E-04	-8.16E-03	-2.72E-04	-4.93E+00	-4.11E-02
65	368301	757943	Residential	-7.54E-01	-3.43E-05	-1.18E-03	-5.91E-03	-8.61E-02	-4.10E-04	-5.79E-03	-5.79E-05	-7.09E-03	-1.18E-02	-4.52E-03	-7.54E-04	-6.85E-03	-2.28E-04	-4.15E+00	-3.46E-02
66	368376	757941	Residential	-4.52E-01	-2.05E-05	-1.03E-03	-5.14E-03	-7.77E-02	-3.70E-04	-5.09E-03	-5.09E-05	-6.17E-03	-1.03E-02	-3.96E-03	-6.60E-04	-5.97E-03	-1.99E-04	-3.63E+00	-3.02E-02
67	368452	757940	Residential	8.33E-02	3.79E-06	-9.20E-04	-4.60E-03	-7.38E-02	-3.51E-04	-4.62E-03	-4.62E-05	-5.52E-03	-9.20E-03	-3.57E-03	-5.95E-04	-5.34E-03	-1.78E-04	-3.28E+00	-2.73E-02
68	368527	757938	Residential	-2.86E-01	-1.30E-05	-9.57E-04	-4.79E-03	-7.80E-02	-3.71E-04	-4.85E-03	-4.85E-05	-5.74E-03	-9.57E-03	-3.72E-03	-6.21E-04	-5.55E-03	-1.85E-04	-3.41E+00	-2.85E-02
69	368563	757880	Residential	-6.95E-02	-3.16E-06	-9.34E-04	-4.67E-03	-7.64E-02	-3.64E-04	-4.72E-03	-4.72E-05	-5.60E-03	-9.34E-03	-3.64E-03	-6.06E-04	-5.42E-03	-1.81E-04	-3.33E+00	-2.78E-02
70	368636	757926	Residential	-1.38E+00	-6.27E-05	-1.27E-03	-6.36E-03	-8.81E-02	-4.19E-04	-6.23E-03	-6.23E-05	-7.63E-03	-1.27E-02	-4.84E-03	-8.06E-04	-7.38E-03	-2.46E-04	-4.44E+00	-3.70E-02
71	368709	757971	Residential	-5.15E+00	-2.34E-04	-2.84E-03	-1.42E-02	-1.97E-01	-9.40E-04	-1.41E-02	-1.41E-04	-1.70E-02	-2.84E-02	-1.08E-02	-1.80E-03	-1.65E-02	-5.49E-04	-9.91E+00	-8.25E-02
72	368782	758017	Residential	-5.87E+00	-2.67E-04	-2.83E-03	-1.42E-02	-1.95E-01	-9.29E-04	-1.40E-02	-1.40E-04	-1.70E-02	-2.83E-02	-1.08E-02	-1.80E-03	-1.64E-02	-5.48E-04	-9.88E+00	-8.23E-02
73	368855	758062	Residential	-2.16E+00	-9.83E-05	-1.42E-03	-7.10E-03	-9.45E-02	-4.50E-04	-6.79E-03	-6.79E-05	-8.51E-03	-1.42E-02	-5.37E-03	-8.95E-04	-8.23E-03	-2.74E-04	-4.93E+00	-4.11E-02
74	368928	758108	Residential	-7.24E-01	-3.29E-05	-1.11E-03	-5.54E-03	-8.02E-02	-3.82E-04	-5.35E-03	-5.35E-05	-6.65E-03	-1.11E-02	-4.24E-03	-7.06E-04	-6.43E-03	-2.14E-04	-3.89E+00	-3.24E-02
75	369001	758153	Residential	1.06E+00	4.80E-05	-3.87E-04	-1.93E-03	-2.43E-02	-1.16E-04	-1.46E-03	-1.46E-05	-2.32E-03	-3.87E-03	-1.45E-03	-2.42E-04	-2.24E-03	-7.48E-05	-1.33E+00	-1.11E-02
76	369058	758074	Residential	8.47E-01	3.85E-05	-3.05E-04	-1.52E-03	-1.83E-02	-8.72E-05	-1.01E-03	-1.01E-05	-1.83E-03	-3.05E-03	-1.14E-03	-1.90E-04	-1.77E-03	-5.89E-05	-1.05E+00	-8.71E-03
77	369102	758103	Residential	-7.01E-01	-3.18E-05	-2.71E-04	-1.35E-03	-1.17E-02	-5.59E-05	-7.60E-04	-7.60E-06	-1.62E-03	-2.71E-03	-9.79E-04	-1.63E-04	-1.57E-03	-5.23E-05	-8.99E-01	-7.49E-03
78	369145	758132	Residential	-1.66E+00	-7.52E-05	-1.00E-03	-5.00E-03	-6.49E-02	-3.09E-04	-4.56E-03	-4.56E-05	-6.00E-03	-1.00E-02	-3.77E-03	-6.28E-04	-5.80E-03	-1.93E-04	-3.46E+00	-2.88E-02
79	369200	758065	Residential	-1.73E+00	-7.85E-05	-1.35E-03	-6.77E-03	-8.94E-02	-4.26E-04	-6.40E-03	-6.40E-05	-8.13E-03	-1.35E-02	-5.12E-03	-8.53E-04	-7.86E-03	-2.62E-04	-4.70E+00	-3.91E-02
80	369255	757998	Residential	-1.77E+00	-8.06E-05	-1.77E-03	-8.87E-03	-1.19E-01	-5.66E-04	-8.57E-03	-8.57E-05	-1.06E-02	-1.77E-02	-6.72E-03	-1.12E-03	-1.03E-02	-3.43E-04	-6.16E+00	-5.13E-02
81	369310	757931	Residential	-2.09E+00	-9.51E-05	-1.88E-03	-9.40E-03	-1.24E-01	-5.90E-04	-9.00E-03	-9.00E-05	-1.13E-02	-1.88E-02	-7.11E-03	-1.18E-03	-1.09E-02	-3.64E-04	-6.52E+00	-5.43E-02
82	369356	757981	Residential	-9.90E-01	-4.50E-05	-1.30E-03	-6.51E-03	-8.21E-02	-3.91E-04	-5.99E-03	-5.99E-05	-7.81E-03	-1.30E-02	-4.89E-03	-8.16E-04	-7.55E-03	-2.52E-04	-4.49E+00	-3.74E-02
83	369403	758031	Residential	5.47E-01	2.49E-05	-1.23E-03	-6.15E-03	-8.02E-02	-3.82E-04	-5.75E-03	-5.75E-05	-7.38E-03	-1.23E-02	-4.64E-03	-7.74E-04	-7.13E-03	-2.38E-04	-4.26E+00	-3.55E-02
92	369389	758634	Residential	-1.41E+00	-6.40E-05	-1.22E-03	-6.12E-03	-8.38E-02	-3.99E-04	-5.95E-03	-5.95E-05	-7.34E-03	-1.22E-02	-4.65E-03	-7.75E-04	-7.10E-03	-2.37E-04	-4.26E+00	-3.55E-02
93	369469	758630	Residential	-2.69E+00	-1.22E-04	-3.09E-03	-1.55E-02	-2.16E-01	-1.03E-03	-1.55E-02	-1.55E-04	-1.86E-02	-3.09E-02	-1.18E-02	-1.96E-03	-1.79E-02	-5.98E-04	-1.08E+01	-9.00E-02
94	369549	758625	Residential	-3.58E+00	-1.63E-04	-3.54E-03	-1.77E-02	-2.48E-01	-1.18E-03	-1.78E-02	-1.78E-04	-2.12E-02	-3.54E-02	-1.35E-02	-2.25E-03	-2.05E-02	-6.84E-04	-1.24E+01	-1.03E-01
95	369630	758621	Residential	-2.78E+00	-1.26E-04	-2.10E-03	-1.05E-02	-1.47E-01	-7.00E-04	-1.05E-02	-1.05E-04	-1.26E-02	-2.10E-02	-8.00E-03	-1.33E-03	-1.22E-02	-4.06E-04	-7.34E+00	-6.11E-02

Table 3-2B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study - - Alternative 2, Horizon Year 2025
for Onsite and Offsite Receptors
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m^3)	xylene, total Acute Hazard	arsenic (µg/m^3)	arsenic Acute Hazard	chlorine (µg/m^3)	chlorine Acute Hazard	copper (µg/m^3)	copper Acute Hazard	mercury (µg/m^3)	mercury Acute Hazard	nickel (µg/m^3)	nickel Acute Hazard	vanadium (µg/m^3)	vanadium Acute Hazard	sulfates (µg/m^3)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
96	369710	758617	Residential	-1.30E+00	-5.91E-05	-1.63E-03	-8.13E-03	-1.17E-01	-5.55E-04	-8.07E-03	-8.07E-05	-9.76E-03	-1.63E-02	-6.22E-03	-1.04E-03	-9.44E-03	-3.15E-04	-5.70E+00	-4.75E-02
97	369791	758613	Residential	-8.81E-01	-4.00E-05	-2.22E-03	-1.11E-02	-1.59E-01	-7.59E-04	-1.11E-02	-1.11E-04	-1.33E-02	-2.22E-02	-8.49E-03	-1.41E-03	-1.29E-02	-4.29E-04	-7.78E+00	-6.49E-02
98	369791	758514	Residential	-7.29E-01	-3.32E-05	-2.08E-03	-1.04E-02	-1.49E-01	-7.10E-04	-1.04E-02	-1.04E-04	-1.25E-02	-2.08E-02	-7.94E-03	-1.32E-03	-1.20E-02	-4.02E-04	-7.28E+00	-6.07E-02
99	369791	758416	Residential	-4.83E-01	-2.20E-05	-1.87E-03	-9.36E-03	-1.35E-01	-6.42E-04	-9.35E-03	-9.35E-05	-1.12E-02	-1.87E-02	-7.16E-03	-1.19E-03	-1.09E-02	-3.62E-04	-6.57E+00	-5.47E-02
100	369791	758318	Residential	-7.34E-01	-3.34E-05	-1.79E-03	-8.93E-03	-1.29E-01	-6.15E-04	-8.93E-03	-8.93E-05	-1.07E-02	-1.79E-02	-6.83E-03	-1.14E-03	-1.04E-02	-3.45E-04	-6.27E+00	-5.22E-02
101	369881	758318	Residential	-1.51E+00	-6.87E-05	-2.34E-03	-1.17E-02	-1.67E-01	-7.94E-04	-1.17E-02	-1.17E-04	-1.40E-02	-2.34E-02	-8.93E-03	-1.49E-03	-1.36E-02	-4.52E-04	-8.19E+00	-6.83E-02
102	369972	758318	Residential	-2.55E+00	-1.16E-04	-2.25E-03	-1.12E-02	-1.61E-01	-7.66E-04	-1.12E-02	-1.12E-04	-1.35E-02	-2.25E-02	-8.59E-03	-1.43E-03	-1.30E-02	-4.35E-04	-7.88E+00	-6.56E-02
103	370062	758318	Residential	-3.41E+00	-1.55E-04	-1.31E-03	-6.53E-03	-9.44E-02	-4.50E-04	-6.40E-03	-6.40E-05	-7.84E-03	-1.31E-02	-5.00E-03	-8.33E-04	-7.58E-03	-2.53E-04	-4.58E+00	-3.82E-02
104	370153	758318	Residential	-3.00E+00	-1.36E-04	-1.22E-03	-6.10E-03	-8.60E-02	-4.09E-04	-5.94E-03	-5.94E-05	-7.32E-03	-1.22E-02	-4.65E-03	-7.76E-04	-7.08E-03	-2.36E-04	-4.27E+00	-3.56E-02
105	370243	758318	Residential	-3.25E+00	-1.48E-04	-2.46E-03	-1.23E-02	-1.74E-01	-8.31E-04	-1.24E-02	-1.24E-04	-1.47E-02	-2.46E-02	-9.38E-03	-1.56E-03	-1.43E-02	-4.75E-04	-8.60E+00	-7.17E-02
111	370408	758347	Residential	-5.00E+00	-2.27E-04	-3.38E-03	-1.69E-02	-2.39E-01	-1.14E-03	-1.70E-02	-1.70E-04	-2.03E-02	-3.38E-02	-1.29E-02	-2.15E-03	-1.96E-02	-6.53E-04	-1.18E+01	-9.85E-02
112	370490	758344	Residential	-4.60E+00	-2.09E-04	-2.94E-03	-1.47E-02	-2.09E-01	-9.95E-04	-1.49E-02	-1.49E-04	-1.77E-02	-2.94E-02	-1.12E-02	-1.87E-03	-1.71E-02	-5.69E-04	-1.03E+01	-8.58E-02
113	370572	758341	Residential	-4.85E+00	-2.20E-04	-2.78E-03	-1.39E-02	-1.94E-01	-9.26E-04	-1.40E-02	-1.40E-04	-1.67E-02	-2.78E-02	-1.06E-02	-1.77E-03	-1.61E-02	-5.38E-04	-9.72E+00	-8.10E-02
114	370654	758338	Residential	-5.23E+00	-2.38E-04	-2.88E-03	-1.44E-02	-2.10E-01	-9.99E-04	-1.46E-02	-1.46E-04	-1.73E-02	-2.88E-02	-1.10E-02	-1.84E-03	-1.67E-02	-5.58E-04	-1.01E+01	-8.44E-02
115	370735	758335	Residential	-4.59E+00	-2.09E-04	-2.31E-03	-1.15E-02	-1.70E-01	-8.08E-04	-1.16E-02	-1.16E-04	-1.38E-02	-2.31E-02	-8.85E-03	-1.47E-03	-1.34E-02	-4.46E-04	-8.11E+00	-6.76E-02
116	370817	758333	Residential	-3.42E+00	-1.55E-04	-1.38E-03	-6.89E-03	-9.86E-02	-4.70E-04	-6.83E-03	-6.83E-05	-8.27E-03	-1.38E-02	-5.26E-03	-8.77E-04	-7.99E-03	-2.66E-04	-4.83E+00	-4.02E-02
130	371183	758027	Residential	-1.88E+00	-8.54E-05	-1.05E-03	-5.23E-03	-6.92E-02	-3.30E-04	-4.72E-03	-4.72E-05	-6.27E-03	-1.05E-02	-3.95E-03	-6.59E-04	-6.07E-03	-2.02E-04	-3.63E+00	-3.02E-02
131	371248	758024	Residential	-2.38E+00	-1.08E-04	-1.07E-03	-5.35E-03	-6.88E-02	-3.28E-04	-4.79E-03	-4.79E-05	-6.42E-03	-1.07E-02	-4.03E-03	-6.72E-04	-6.20E-03	-2.07E-04	-3.70E+00	-3.08E-02
132	371326	758075	Residential	-2.42E+00	-1.10E-04	-1.08E-03	-5.38E-03	-6.30E-02	-3.00E-04	-4.79E-03	-4.79E-05	-6.45E-03	-1.08E-02	-4.01E-03	-6.68E-04	-6.24E-03	-2.08E-04	-3.68E+00	-3.07E-02
133	371404	758127	Residential	-1.91E+00	-8.66E-05	-9.00E-04	-4.50E-03	-5.09E-02	-2.42E-04	-3.93E-03	-3.93E-05	-5.40E-03	-9.00E-03	-3.34E-03	-5.57E-04	-5.22E-03	-1.74E-04	-3.07E+00	-2.55E-02
134	371481	758178	Residential	-1.69E+00	-7.66E-05	-7.51E-04	-3.76E-03	-4.14E-02	-1.97E-04	-3.21E-03	-3.21E-05	-4.51E-03	-7.51E-03	-2.78E-03	-4.64E-04	-4.36E-03	-1.45E-04	-2.55E+00	-2.13E-02
135	371559	758230	Residential	-1.46E+00	-6.62E-05	-7.11E-04	-3.55E-03	-3.33E-02	-1.59E-04	-2.98E-03	-2.98E-05	-4.26E-03	-7.11E-03	-2.59E-03	-4.32E-04	-4.12E-03	-1.37E-04	-2.38E+00	-1.98E-02
136	371637	758281	Residential	-1.08E+00	-4.89E-05	-6.83E-04	-3.42E-03	-2.41E-02	-1.15E-04	-2.81E-03	-2.81E-05	-4.10E-03	-6.83E-03	-2.43E-03	-4.05E-04	-3.96E-03	-1.32E-04	-2.23E+00	-1.86E-02
137	371715	758333	Residential	-6.80E-01	-3.09E-05	-6.02E-04	-3.01E-03	-2.00E-02	-9.51E-05	-2.41E-03	-2.41E-05	-3.61E-03	-6.02E-03	-2.13E-03	-3.56E-04	-3.49E-03	-1.16E-04	-1.96E+00	-1.63E-02
138	371769	758261	Residential	1.16E+00	5.26E-05	-5.42E-04	-2.71E-03	-1.53E-02	-7.28E-05	-2.09E-03	-2.09E-05	-3.25E-03	-5.42E-03	-1.90E-03	-3.17E-04	-3.14E-03	-1.05E-04	-1.75E+00	-1.46E-02
139	371822	758189	Residential	4.90E-01	2.23E-05	-4.27E-04	-2.14E-03	-1.24E-02	-5.92E-05	-1.61E-03	-1.61E-05	-2.56E-03	-4.27E-03	-1.50E-03	-2.50E-04	-2.48E-03	-8.26E-05	-1.38E+00	-1.15E-02
140	371894	758160	Residential	-1.35E+00	-6.16E-05	-7.85E-04	-3.93E-03	-5.70E-02	-2.72E-04	-3.66E-03	-3.66E-05	-4.71E-03	-7.85E-03	-3.01E-03	-5.01E-04	-4.55E-03	-1.52E-04	-2.76E+00	-2.30E-02
141	371894	758081	Residential	-3.22E+00	-1.46E-04	-8.24E-04	-4.12E-03	-6.84E-02	-3.26E-04	-3.89E-03	-3.89E-05	-4.94E-03	-8.24E-03	-3.21E-03	-5.36E-04	-4.78E-03	-1.59E-04	-2.95E+00	-2.46E-02
142	371959	758074	Residential	-3.26E+00	-1.48E-04	-8.61E-04	-4.31E-03	-6.42E-02	-3.06E-04	-4.03E-03	-4.03E-05	-5.17E-03	-8.61E-03	-3.31E-03	-5.51E-04	-5.00E-03	-1.67E-04	-3.03E+00	-2.53E-02
155	372055	757363	Residential	-2.92E+00	-1.33E-04	-6.42E-04	-3.21E-03	-5.89E-02	-2.81E-04	-2.99E-03	-2.99E-05	-3.85E-03	-6.42E-03	-2.54E-03	-4.24E-04	-3.72E-03	-1.24E-04	-2.33E+00	-1.94E-02
297	370239	755427	Residential	-4.45E+00	-2.02E-04	-4.44E-03	-2.22E-02	-3.10E-01	-1.48E-03	-2.20E-02	-2.20E-04	-2.66E-02	-4.44E-02	-1.69E-02	-2.82E-03	-2.57E-02	-8.58E-04	-1.55E+01	-1.29E-01
298	370138	755427	Residential	-3.03E+00	-1.38E-04	-4.45E-03	-2.22E-02	-3.05E-01	-1.45E-03	-2.19E-02	-2.19E-04	-2.67E-02	-4.45E-02	-1.69E-02	-2.81E-03	-2.58E-02	-8.59E-04	-1.55E+01	-1.29E-01
299	370040	755427	Residential	-3.43E+00	-1.56E-04	-2.73E-03	-1.37E-02	-1.88E-01	-8.93E-04	-1.32E-02	-1.32E-04	-1.64E-02	-2.73E-02	-1.04E-02	-1.73E-03	-1.58E-02	-5.28E-04	-9.52E+00	-7.93E-02
300	369941	755426	Residential	-4.27E-01	-1.94E-05	-2.46E-03	-1.23E-02	-1.65E-01	-7.84E-04	-1.19E-02	-1.19E-04	-1.47E-02	-2.46E-02	-9.31E-03	-1.55E-03	-1.43E-02	-4.75E-04	-8.54E+00	-7.12E-02
301	369842	755426	Residential	-2.12E+00	-9.63E-05	-1.86E-03	-9.30E-03	-1.31E-01	-6.25E-04	-8.93E-03	-8.93E-05	-1.12E-02	-1.86E-02	-7.09E-03	-1.18E-03	-1.08E-02	-3.59E-04	-6.50E+00	-5.42E-02
304	369544	755434	Residential	-3.57E+00	-1.62E-04	-2.91E-03	-1.45E-02	-2.09E-01	-9.96E-04	-1.45E-02	-1.45E-04	-1.74E-02	-2.91E-02	-1.11E-02	-1.85E-03	-1.69E-02	-5.62E-04	-1.02E+01	-8.49E-02
305	369445	755434	Residential	-1.76E+00	-7.99E-05	-2.42E-03	-1.21E-02	-1.77E-01	-8.42E-04	-1.20E-02	-1.20E-04	-1.45E-02	-2.42E-02	-9.25E-03	-1.54E-03	-1.40E-02	-4.67E-04	-8.49E+00	-7.07E-02
306	369346	755434	Residential	-2.90E+00	-1.32E-04	-2.81E-03	-1.40E-02	-2.04E-01	-9.71E-04	-1.40E-02	-1.40E-04	-1.68E-02	-2.81E-02	-1.07E-02	-1.79E-03	-1.63E-02	-5.42E-04	-9.85E+00	-8.21E-02
310	368953	755441	Residential	-1.70E+00	-7.75E-05	-1.08E-03	-5.41E-03	-7.15E-02	-3.40E-04	-5.10E-03	-5.10E-05	-6.49E-03	-1.08E-02	-4.09E-03	-6.81E-04	-6.27E-03	-2.09E-04	-3.75E+00	-3.13E-02
311	368854	755441	Residential	-2.78E+00	-1.26E-04	-2.03E-03	-1.02E-02	-1.44E-01	-6.88E-04	-1.01E-02	-1.01E-04	-1.22E-02	-2.03E-02	-7.75E-03	-1.29E-03	-1.18E-02	-3.93E-04	-7.11E+00	-5.92E-02
312	368755	755441	Residential	-1.46E+00	-6.63E-05	-2.20E-03	-1.10E-02	-1.57E-01	-7.46E-04	-1.09E-02	-1.09E-04	-1.32E-02	-2.20E-02	-8.40E-03	-1.40E-03	-1.28E-02	-4.25E-04	-7.70E+00	-6.42E-02
313	368657	755441	Residential	-6.25E-01	-2.84E-05	-1.68E-03	-8.40E-03	-1.16E-01	-5.54E-04	-8.22E-03	-8.22E-05	-1.01E-02	-1.68E-02	-6.39E-03	-1.07E-03	-9.74E-03	-3.25E-04	-5.86E+00	-4.88E-02
314	368558	755440	Residential	-5.00E-01	-2.27E-05	-1.32E-03	-6.58E-03	-9.51E-02	-4.53E-04	-6.42E-03	-6.42E-05	-7.89E-03	-1.32E-02	-5.03E-03	-8.39E-04	-7.63E-03	-2.54E-04	-4.62E+00	-3.85E-02
315	368459	755440	Residential	1.01E-01	4.59E-06	-9.87E-04	-4.93E-03	-7.17E-02	-3.41E-04	-4.72E-03	-4.72E-05	-5.92E-03	-9.87E-03	-3.78E-03	-6.30E-04	-5.72E-03	-1.91E-04	-3.46E+00	-2.89E-02
316	368360	755440	Residential	2.05E-01	9.33E-06	-7.43E-04	-3.72E-03	-5.31E-02	-2.53E-04	-3.47E-03	-3.47E-05	-4.46E-03	-7.43E-03	-2.84E-03	-4.73E-04	-4.31E-03	-1.44E-04	-2.60E+00	-2.17E-02
317	368262	755439	Residential	-1.21E-01	-5.51E-06	-1.25E-03	-6.27E-03	-9.05E-02	-4.31E-04	-6.13E-03	-6.13E-05	-7.52E-03	-1.25E-02	-4.79E-03	-7.99E-04	-7.27E-03	-2.42E-04	-4.40E+00	-3.66E-02
318	368186	755427	Residential	-4.94E-01	-2.24E-05	-1.45E-03	-7.26E-03	-1.03E-01	-4.92E-04	-7.13E-03	-7.13E-05	-8.71E-03	-1.45E-02	-5.54E-03	-9.24E-04	-8.42E-03	-2.81E-04	-5.08E+00	-4.24E-02
319	368111	755414	Residential	-8.21E-01	-3.73E-05	-1.56E-03	-7.80E-03	-1.11E-01	-5.29E-04	-7.70E-03	-7.70E-05	-9.36E-03	-1.56E-02	-5.96E-03	-9.93E-04	-9.05E-03	-3.02E-04	-5.46E+00	-4.55E-02
46	367504	757948	School	-2.13E-02	-9.70E-07	-1.07E-03	-5.35E-03	-8.28E-02	-3.94E-04	-5.10E-03	-5.10E-05	-6.42E-03	-1.07E-02	-4.13E-03	-6.89E-04	-6.21E-03	-2.07E-04	-3.79E+00	-3.16E-02
47	367544	757873	School	-5.61E-01	-2.55E-05	-1.14E-03	-5.68E-03	-8.85E-02	-4.21E-04	-5.45E-03	-5.45E-05	-6.81E-03	-1.14E-02	-4.39E-03	-7.32E-04	-6.59E-03	-2.20E-04	-4.03E+00	-3.35E-02
48	367587	757909	School	8.68E-02	3.94E-06	-1.14E-03	-5.69E-03	-8.84E-02	-4.21E-04	-5.44E-03	-5.44E-05	-6.83E-03	-1.14E-02	-4.40E-03	-7.33E-04	-6.60E-03	-2.20E-04	-4.03E+00	-3.36E-02
49	367623	757866	School	-3.05E-01	-1.39E-05	-1.17E-03	-5.85E-03	-9.16E-02	-4.36E-04	-5.61E-03	-5.61E-05	-7.02E-03	-1.17E-02	-4.53E-03	-7.54E-04	-6.79E-03	-2.26E-04	-4.15E+00	-3.46E-02
50	367694	757866	School	1.97E-01	8.96E-06	-1.21E-03	-6.07E-03	-9.46E-02	-4.51E-04	-5.81E-03	-5.81E-05	-7.29E-03	-1.21E-02	-4.69E-03	-7.82E-04	-7.04E-03	-2.35E-04	-4.30E+00	-3.59E-02
51	367716	757927	School	1.05E-01	4.78E-06	-1.30E-03	-6.49E-03	-1.00E-01	-4.76E-04	-6.22E-03	-6.22E-05	-7.78E-03	-1.30E-02	-5.01E-03	-8.34E-04	-7.53E-03	-2.51E-04	-4.59E+00	-3.83E-02
52	367737	757988	School	-2.83E-01	-1.28E-05	-1.31E-03	-6.55E-03	-9.78E-02	-4.66E-04	-6.27E-03	-6.27E-05	-7.86E-03	-1.31E-02	-5.04E-03	-8.39E-04	-7.60E-03	-2.53E-04	-4.62E+00	-3.85E-02
53	367727	758067	School	-5.84E-01	-2.66E-05	-1.18E-03	-5.91E-03	-8.78E-02	-4.18E-04	-5.66E-03	-5.66E-05	-7.09E-03	-1.18E-02	-4.54E-03	-7.56E-04	-6.85E-03	-2.28E-04	-4.16E+00	-3.47E-02
54	367716	758146	School	-4.85E-01	-2.20E-05	-1.15E-03	-5.73E-03	-8.42E-02	-4.01E-04	-5.52E-03	-5.52E-05	-6.87E-03	-1.15E-02	-4.39E-03	-7.32E-04	-6.64E-03	-2.21E-04	-4.03E+00	-3.36E-02
56	367723	758254	School	-1.56E-01	-7.10E-06	-9.77E-04	-4.88E-03	-6.95E-02	-3.31E-04	-4.69E-03	-4.69E-05	-5.86E-03	-9.77E-03	-3.73E-03	-6.21E-04	-5.67E-03	-1.89E-04	-3.42E+00	-2.85E-02
57	367784	758221	School	-1.59E-01	-7.24E-06	-1.03E-03	-5.14E-03	-7.26E-02	-3.46E-04	-4.95E-03	-4.95E-05	-6.17E-03	-1.03E-02	-3.92E-03	-6.53E-04	-5.96E-03	-1.99E-04	-3.60E+00	-3.00E-02
58	367845	758189	School	-2.10E-01	-9.53E-06	-1.07E-03	-5.37E-03	-7.54E-02	-3.59E-04	-5.18E-03	-5.18E-05	-6.44E-03	-1.07E-02	-4.09E-03	-6.82E-04	-6.23E-03	-2.08E-04	-3.75E+00	-3.13E-02
106	370247	758254	School	-3.73E+00	-1.70E-04	-2.57E-03	-1.28E-02	-1.81E-01	-8.61E-04	-1.29E-02	-1.29E-04	-1.54E-02	-2.57E-02	-9.78E-03	-1.63E-03	-1.49E-02	-4.96E-04	-8.97E+00	-7.47E-02
107	370250	758189	School	-4.41E+00	-2.01E-04	-2.74E-03	-1.37E-02	-1.92E-01	-9.14E-04	-1.37E-02	-1.37E-04	-1.64E-02	-2.74E-02	-1.04E-02	-1.74E-03	-1.59E-02	-5.29E-04	-9.56E+00	-7.97E-02
108	370308	758196	School	-3.81E+00	-1.73E-04	-3.63E-03	-1.82E-02	-2.56E-01	-1.22E-03	-1.83E-02	-1.83E-04	-2.18E-02	-3.63E-02	-1.38E-02	-2.31E-03	-2.11E-02	-7.02E-04	-1.27E+01	-1.06E-01
109	370361	758236	School	-4.39E+00	-1.99E-04	-3.84E-03	-1.92E-02	-2.71E-01	-1.29E-03	-1.94E-02	-1.94E-04	-2.31E-02	-3.84E-02	-1.47E-02	-2.44E-03	-2.23E-02	-7.43E-04	-1.34E+01	-1.12E-01
110	370415	758275	School	-5.39E+00	-2.45E-04	-3.49E-03	-1.74E-02	-2.46E-01	-1.17E-03	-1.76E-02	-1.76E-04	-2.09E-02	-3.49E-02	-1.33E-02	-2.22E-03	-2.02E-02	-6.74E-04	-1.22E+01	-1.02E-01

Table 3-2B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study - - Alternative 2, Horizon Year 2025
for Onsite and Offsite Receptors
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total ($\mu g/m^3$)	xylene, total Acute Hazard	arsenic ($\mu g/m^3$)	arsenic Acute Hazard	chlorine ($\mu g/m^3$)	chlorine Acute Hazard	copper ($\mu g/m^3$)	copper Acute Hazard	mercury ($\mu g/m^3$)	mercury Acute Hazard	nickel ($\mu g/m^3$)	nickel Acute Hazard	vanadium ($\mu g/m^3$)	vanadium Acute Hazard	sulfates ($\mu g/m^3$)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
302	369741	755435	School	-3.09E+00	-1.40E-04	-4.23E-04	-2.11E-03	-2.87E-02	-1.37E-04	-1.60E-03	-1.60E-05	-2.54E-03	-4.23E-03	-1.60E-03	-2.67E-04	-2.45E-03	-8.17E-05	-1.47E+00	-1.23E-02
303	369643	755434	School	-6.41E-01	-2.91E-05	-7.72E-04	-3.86E-03	-5.60E-02	-2.67E-04	-3.54E-03	-3.54E-05	-4.63E-03	-7.72E-03	-2.95E-03	-4.92E-04	-4.48E-03	-1.49E-04	-2.71E+00	-2.26E-02

Note: Shaded cells indicate locations where concentrations were highest within each land use category.

Table 3-3A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 3, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Location	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
Commercial - Onsite																	
Maximum Onsite Concentration-->	-1.20E+00	4.11E+00	-2.31E+00	6.05E+00	2.96E+00	-1.69E+00	1.26E+00	3.25E-01	-7.40E+00	-6.13E+00	-2.54E-03	-3.71E-01	-1.35E-02	-1.53E-02	-1.11E-02	-1.48E-02	-1.01E+01
Commercial - Offsite																	
Maximum Offsite Concentration-->	1.19E+01	7.63E+00	8.67E+00	3.69E+01	5.63E+00	-1.74E-01	2.27E+00	9.56E-01	1.03E+01	9.76E+00	2.42E-03	1.95E-01	1.34E-02	1.45E-02	9.39E-03	1.40E-02	8.61E+00
Average Offsite Concentration-->	2.69E+00	2.63E+00	6.67E-01	9.92E+00	1.92E+00	-3.82E-01	7.87E-01	2.89E-01	-1.08E+00	-9.73E-01	-1.66E-03	-9.30E-02	-7.89E-03	-9.94E-03	-6.14E-03	-9.61E-03	-5.64E+00
Minimum Offsite Concentration-->	-1.75E+00	1.11E-01	-4.11E+00	-3.70E+00	-1.65E-02	-1.13E+00	4.30E-02	-1.48E-01	-1.03E+01	-9.61E+00	-1.05E-02	-7.31E-01	-5.33E-02	-6.33E-02	-4.01E-02	-6.12E-02	-3.68E+01
Recreational																	
Maximum Offsite Concentration-->	4.53E+00	3.22E+00	2.39E+00	1.46E+01	2.38E+00	-1.53E-01	9.61E-01	4.07E-01	1.17E+00	1.11E+00	-3.79E-04	-3.09E-02	-1.66E-03	-2.28E-03	-1.48E-03	-2.20E-03	-1.35E+00
Average Offsite Concentration-->	2.08E+00	1.86E+00	7.13E-01	7.23E+00	1.37E+00	-2.35E-01	5.59E-01	2.13E-01	-5.26E-01	-4.38E-01	-8.78E-04	-7.03E-02	-4.26E-03	-5.27E-03	-3.41E-03	-5.09E-03	-3.12E+00
Minimum Offsite Concentration-->	-1.35E+00	-6.74E-02	-1.10E+00	-2.89E+00	-6.72E-02	-3.16E-01	-1.29E-02	-4.88E-02	-2.36E+00	-2.20E+00	-2.12E-03	-1.53E-01	-1.06E-02	-1.27E-02	-8.11E-03	-1.23E-02	-7.44E+00
Residential																	
Maximum Offsite Concentration-->	1.00E+01	6.66E+00	3.80E+00	3.01E+01	4.89E+00	-1.76E-01	1.99E+00	8.06E-01	3.05E+00	2.89E+00	-3.74E-04	-3.35E-02	-1.56E-03	-2.25E-03	-1.52E-03	-2.17E-03	-1.40E+00
Average Offsite Concentration-->	3.03E+00	2.63E+00	4.84E-01	1.00E+01	1.91E+00	-3.15E-01	7.88E-01	2.81E-01	-1.49E+00	-1.36E+00	-1.63E-03	-1.25E-01	-8.05E-03	-9.77E-03	-6.28E-03	-9.44E-03	-5.76E+00
Minimum Offsite Concentration-->	-2.55E+00	-6.65E-01	-3.60E+00	-6.37E+00	-5.41E-01	-7.54E-01	-1.89E-01	-1.74E-01	-6.30E+00	-5.73E+00	-4.46E-03	-3.25E-01	-2.21E-02	-2.68E-02	-1.71E-02	-2.59E-02	-1.57E+01
School																	
Maximum Offsite Concentration-->	8.89E+00	5.92E+00	3.24E+00	2.68E+01	4.36E+00	-2.24E-01	1.77E+00	7.16E-01	2.95E-01	1.94E-01	-8.30E-04	-7.34E-02	-3.87E-03	-4.98E-03	-3.27E-03	-4.81E-03	-3.00E+00
Average Offsite Concentration-->	4.71E+00	3.54E+00	8.21E-01	1.47E+01	2.58E+00	-2.95E-01	1.06E+00	3.84E-01	-1.71E+00	-1.64E+00	-1.78E-03	-1.37E-01	-8.83E-03	-1.07E-02	-6.87E-03	-1.03E-02	-6.30E+00
Minimum Offsite Concentration-->	-2.93E-01	9.69E-01	-3.61E+00	5.02E-01	6.14E-01	-4.02E-01	2.98E-01	-4.45E-02	-6.49E+00	-5.96E+00	-4.25E-03	-3.03E-01	-2.15E-02	-2.55E-02	-1.62E-02	-2.47E-02	-1.49E+01
CalEPA Acute REL	470	2.5	1300	55	28000	13000	5800	21000	37000	22000	0.2	210	100	0.6	6	30	120
Commercial - Onsite																	
Onsite Maximum Acute Hazard-->	-2.55E-03	1.64E+00	-1.78E-03	1.10E-01	1.06E-04	-1.30E-04	2.18E-04	1.55E-05	-2.00E-04	-2.79E-04	-1.27E-02	-1.77E-03	-1.35E-04	-2.54E-02	-1.84E-03	-4.92E-04	-8.44E-02
Commercial - Offsite																	
Offsite Maximum Acute Hazard-->	2.53E-02	3.05E+00	6.67E-03	6.71E-01	2.01E-04	-1.34E-05	3.91E-04	4.55E-05	2.77E-04	4.43E-04	1.21E-02	9.31E-04	1.34E-04	2.42E-02	1.56E-03	4.67E-04	7.17E-02
Offsite Average Acute Hazard-->	5.71E-03	1.05E+00	5.13E-04	1.80E-01	6.85E-05	-2.94E-05	1.36E-04	1.38E-05	-2.93E-05	-4.42E-05	-8.28E-03	-4.43E-04	-7.89E-05	-1.66E-02	-1.02E-03	-3.20E-04	-4.70E-02
Offsite Minimum Acute Hazard-->	-3.72E-03	4.43E-02	-3.16E-03	-6.72E-02	-5.91E-07	-8.66E-05	7.41E-06	-7.06E-06	-2.79E-04	-4.37E-04	-5.27E-02	-3.48E-03	-5.33E-04	-1.05E-01	-6.69E-03	-2.04E-03	-3.07E-01
Recreational																	
Offsite Maximum Acute Hazard-->	9.64E-03	1.29E+00	1.84E-03	2.66E-01	8.51E-05	-1.18E-05	1.66E-04	1.94E-05	3.16E-05	5.02E-05	-1.90E-03	-1.47E-04	-1.66E-05	-3.79E-03	-2.46E-04	-7.33E-05	-1.13E-02
Offsite Average Acute Hazard-->	4.43E-03	7.44E-01	5.49E-04	1.31E-01	4.88E-05	-1.80E-05	9.64E-05	1.02E-05	-1.42E-05	-1.99E-05	-4.39E-03	-3.35E-04	-4.26E-05	-8.78E-03	-5.68E-04	-1.70E-04	-2.60E-02
Offsite Minimum Acute Hazard-->	-2.86E-03	-2.70E-02	-8.45E-04	-5.26E-02	-2.40E-06	-2.43E-05	-2.23E-06	-2.32E-06	-6.38E-05	-1.00E-04	-1.06E-02	-7.28E-04	-1.06E-04	-2.12E-02	-1.35E-03	-4.10E-04	-6.20E-02
Residential																	
Offsite Maximum Acute Hazard-->	2.13E-02	2.66E+00	2.92E-03	5.48E-01	1.75E-04	-1.36E-05	3.42E-04	3.84E-05	8.24E-05	1.32E-04	-1.87E-03	-1.59E-04	-1.56E-05	-3.74E-03	-2.54E-04	-7.24E-05	-1.16E-02
Offsite Average Acute Hazard-->	6.44E-03	1.05E+00	3.72E-04	1.82E-01	6.84E-05	-2.42E-05	1.36E-04	1.34E-05	-4.04E-05	-6.19E-05	-8.14E-03	-5.97E-04	-8.05E-05	-1.63E-02	-1.05E-03	-3.15E-04	-4.80E-02
Offsite Minimum Acute Hazard-->	-5.42E-03	-2.66E-01	-2.77E-03	-1.16E-01	-1.93E-05	-5.80E-05	-3.26E-05	-8.31E-06	-1.70E-04	-2.61E-04	-2.23E-02	-1.55E-03	-2.21E-04	-4.46E-02	-2.85E-03	-8.63E-04	-1.31E-01
School																	
Offsite Maximum Acute Hazard-->	1.89E-02	2.37E+00	2.49E-03	4.87E-01	1.56E-04	-1.72E-05	3.04E-04	3.41E-05	7.97E-06	8.80E-06	-4.15E-03	-3.50E-04	-3.87E-05	-8.30E-03	-5.45E-04	-1.60E-04	-2.50E-02
Offsite Average Acute Hazard-->	1.00E-02	1.41E+00	6.32E-04	2.67E-01	9.20E-05	-2.27E-05	1.82E-04	1.83E-05	-4.62E-05	-7.44E-05	-8.90E-03	-6.54E-04	-8.83E-05	-1.78E-02	-1.15E-03	-3.44E-04	-5.25E-02
Offsite Minimum Acute Hazard-->	-6.23E-04	3.88E-01	-2.78E-03	9.12E-03	2.19E-05	-3.09E-05	5.14E-05	-2.12E-06	-1.75E-04	-2.71E-04	-2.13E-02	-1.44E-03	-2.15E-04	-4.25E-02	-2.71E-03	-8.22E-04	-1.24E-01

Table 3-3A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 3, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
117	370814	758243	Offsite Worker	8.69E-01	1.53E+00	-5.64E-01	3.99E+00	1.10E+00	-3.63E-01	4.63E-01	1.31E-01	-2.23E+00	-1.97E+00	-1.48E-03	-1.11E-01	-7.34E-03	-8.86E-03	-5.68E-03	-8.56E-03	-5.21E+00
118	370810	758153	Offsite Worker	9.33E-01	1.59E+00	-3.56E-01	4.26E+00	1.15E+00	-3.71E-01	4.81E-01	1.45E-01	-1.94E+00	-1.69E+00	-1.76E-03	-1.30E-01	-8.75E-03	-1.05E-02	-6.74E-03	-1.02E-02	-6.18E+00
119	370807	758063	Offsite Worker	8.37E-01	1.58E+00	-4.05E-01	4.08E+00	1.14E+00	-3.87E-01	4.78E-01	1.43E-01	-2.00E+00	-1.74E+00	-2.05E-03	-1.51E-01	-1.02E-02	-1.23E-02	-7.87E-03	-1.19E-02	-7.21E+00
120	370803	757974	Offsite Worker	5.50E-01	1.51E+00	-1.36E+00	3.35E+00	1.07E+00	-4.22E-01	4.59E-01	9.85E-02	-3.43E+00	-3.08E+00	-2.46E-03	-1.79E-01	-1.23E-02	-1.47E-02	-9.41E-03	-1.43E-02	-8.63E+00
121	370835	757927	Offsite Worker	8.20E-01	1.54E+00	-2.19E+00	3.88E+00	1.06E+00	-3.78E-01	4.67E-01	6.81E-02	-4.73E+00	-4.35E+00	-2.63E-03	-1.84E-01	-1.31E-02	-1.58E-02	-1.00E-02	-1.53E-02	-9.19E+00
122	370868	757880	Offsite Worker	6.56E-01	1.54E+00	-2.04E+00	3.60E+00	1.06E+00	-4.09E-01	4.65E-01	7.41E-02	-4.46E+00	-4.08E+00	-2.19E-03	-1.49E-01	-1.08E-02	-1.31E-02	-8.31E-03	-1.27E-02	-7.63E+00
123	370921	757884	Offsite Worker	1.10E+00	1.75E+00	-1.86E+00	4.82E+00	1.22E+00	-3.96E-01	5.30E-01	1.02E-01	-4.39E+00	-4.02E+00	-2.51E-03	-1.66E-01	-1.23E-02	-1.50E-02	-9.48E-03	-1.45E-02	-8.70E+00
124	370975	757887	Offsite Worker	1.52E+00	2.10E+00	-8.16E-01	6.29E+00	1.50E+00	-4.32E-01	6.32E-01	1.78E-01	-3.01E+00	-2.73E+00	-2.32E-03	-1.59E-01	-1.14E-02	-1.39E-02	-8.83E-03	-1.35E-02	-8.10E+00
125	370975	757794	Offsite Worker	2.22E+00	2.65E+00	6.44E-01	8.76E+00	1.94E+00	-4.85E-01	7.97E-01	2.91E-01	-1.20E+00	-1.00E+00	-1.58E-03	-1.07E-01	-7.53E-03	-9.49E-03	-6.00E-03	-9.18E-03	-5.50E+00
126	371026	757794	Offsite Worker	2.48E+00	2.80E+00	3.20E-01	9.51E+00	2.04E+00	-4.85E-01	8.41E-01	2.93E-01	-1.83E+00	-1.61E+00	-1.44E-03	-8.78E-02	-6.68E-03	-8.66E-03	-5.40E-03	-8.37E-03	-4.96E+00
127	371076	757877	Offsite Worker	2.57E+00	2.67E+00	8.70E-01	9.49E+00	1.96E+00	-4.21E-01	8.02E-01	3.02E-01	-8.55E-01	-7.18E-01	-1.41E-03	-8.13E-02	-6.50E-03	-8.43E-03	-5.23E-03	-8.15E-03	-4.80E+00
128	371126	757959	Offsite Worker	2.65E+00	2.58E+00	1.25E+00	9.49E+00	1.90E+00	-3.74E-01	7.75E-01	3.08E-01	-1.96E-01	-1.14E-01	-1.37E-03	-7.89E-02	-6.34E-03	-8.21E-03	-5.09E-03	-7.94E-03	-4.67E+00
129	371119	758031	Offsite Worker	1.91E+00	2.20E+00	5.98E-01	7.29E+00	1.62E+00	-3.91E-01	6.63E-01	2.44E-01	-9.06E-01	-7.52E-01	-1.23E-03	-7.99E-02	-5.74E-03	-7.35E-03	-4.63E-03	-7.11E-03	-4.24E+00
143	371953	757977	Offsite Worker	-6.44E-01	1.66E+00	-8.26E-01	1.46E+00	1.20E+00	-7.15E-01	5.09E-01	1.37E-01	-2.69E+00	-2.21E+00	-1.28E-03	-1.24E-01	-6.48E-03	-7.67E-03	-5.12E-03	-7.42E-03	-4.69E+00
144	371948	757880	Offsite Worker	8.92E-01	1.96E+00	-7.84E-01	4.90E+00	1.41E+00	-5.11E-01	5.93E-01	1.67E-01	-2.85E+00	-2.51E+00	-1.10E-03	-8.75E-02	-5.36E-03	-6.58E-03	-4.25E-03	-6.36E-03	-3.90E+00
145	371943	757783	Offsite Worker	-3.45E-01	1.76E+00	-3.45E+00	1.98E+00	1.19E+00	-6.89E-01	5.35E-01	4.25E-02	-6.77E+00	-6.15E+00	-1.81E-03	-1.67E-01	-9.23E-03	-1.09E-02	-7.18E-03	-1.05E-02	-6.58E+00
146	372016	757794	Offsite Worker	-5.48E-01	1.36E+00	-3.06E+00	8.67E-01	9.17E-01	-5.91E-01	4.17E-01	1.79E-02	-5.89E+00	-5.33E+00	-1.53E-03	-1.32E-01	-7.69E-03	-9.20E-03	-6.02E-03	-8.90E-03	-5.52E+00
147	372102	757791	Offsite Worker	-1.90E-01	1.44E+00	-3.10E+00	1.63E+00	9.69E-01	-5.46E-01	4.38E-01	2.40E-02	-5.97E+00	-5.45E+00	-1.78E-03	-1.42E-01	-8.97E-03	-1.07E-02	-6.90E-03	-1.03E-02	-6.33E+00
148	372178	757760	Offsite Worker	-5.05E-02	1.55E+00	-1.84E+00	2.16E+00	1.09E+00	-5.58E-01	4.73E-01	8.53E-02	-4.11E+00	-3.67E+00	-1.51E-03	-1.16E-01	-7.54E-03	-9.07E-03	-5.83E-03	-8.77E-03	-5.35E+00
149	372177	757670	Offsite Worker	1.05E+00	2.08E+00	8.45E-02	5.36E+00	1.51E+00	-5.19E-01	6.27E-01	2.13E-01	-1.55E+00	-1.30E+00	-1.48E-03	-1.14E-01	-7.35E-03	-8.89E-03	-5.72E-03	-8.60E-03	-5.24E+00
150	372176	757579	Offsite Worker	9.68E-01	2.13E+00	6.64E-02	5.27E+00	1.55E+00	-5.54E-01	6.44E-01	2.18E-01	-1.65E+00	-1.36E+00	-1.07E-03	-8.25E-02	-5.23E-03	-6.43E-03	-4.14E-03	-6.22E-03	-3.79E+00
151	372174	757489	Offsite Worker	6.76E-01	2.05E+00	-1.07E+00	4.47E+00	1.47E+00	-5.87E-01	6.22E-01	1.65E-01	-3.34E+00	-2.95E+00	-8.85E-04	-6.76E-02	-4.28E-03	-5.31E-03	-3.41E-03	-5.14E-03	-3.13E+00
152	372173	757398	Offsite Worker	8.36E-01	1.87E+00	-1.09E+00	4.58E+00	1.33E+00	-4.90E-01	5.65E-01	1.45E-01	-3.26E+00	-2.91E+00	-1.32E-03	-9.58E-02	-6.52E-03	-7.92E-03	-5.05E-03	-7.66E-03	-4.64E+00
153	372171	757308	Offsite Worker	1.91E+00	2.15E+00	6.76E-01	7.45E+00	1.58E+00	-3.71E-01	6.46E-01	2.42E-01	-7.32E-01	-5.98E-01	-1.21E-03	-6.58E-02	-5.71E-03	-7.26E-03	-4.47E-03	-7.02E-03	-4.10E+00
154	372055	757309	Offsite Worker	8.80E-01	1.85E+00	5.45E-01	4.94E+00	1.37E+00	-4.75E-01	5.63E-01	2.08E-01	-8.43E-01	-5.74E-01	-3.47E-04	-2.29E-02	-1.26E-03	-2.08E-03	-1.31E-03	-2.01E-03	-1.20E+00
156	372055	757416	Offsite Worker	-4.22E-01	1.62E+00	-4.40E-01	1.77E+00	1.18E+00	-6.56E-01	4.97E-01	1.47E-01	-2.14E+00	-1.70E+00	-3.23E-04	-4.00E-02	-1.35E-03	-1.94E-03	-1.36E-03	-1.87E-03	-1.24E+00
157	371952	757442	Offsite Worker	1.01E+00	2.39E+00	9.34E-02	6.06E+00	1.75E+00	-6.37E-01	7.24E-01	2.45E-01	-1.87E+00	-1.52E+00	-9.45E-04	-8.14E-02	-4.58E-03	-5.67E-03	-3.71E-03	-5.48E-03	-3.40E+00
158	371950	757345	Offsite Worker	-6.34E-02	2.21E+00	-1.69E+00	3.49E+00	1.57E+00	-7.90E-01	6.73E-01	1.57E-01	-4.50E+00	-3.92E+00	-1.24E-03	-1.34E-01	-6.34E-03	-7.43E-03	-5.06E-03	-7.19E-03	-4.64E+00
159	371864	757344	Offsite Worker	-7.98E-01	2.14E+00	-1.10E+00	2.12E+00	1.54E+00	-9.14E-01	6.55E-01	1.74E-01	-3.55E+00	-2.93E+00	-9.11E-04	-1.17E-01	-4.62E-03	-5.46E-03	-3.85E-03	-5.28E-03	-3.52E+00
160	371790	757347	Offsite Worker	2.01E-01	2.59E+00	-4.65E-01	4.94E+00	1.89E+00	-8.73E-01	7.89E-01	2.45E-01	-2.89E+00	-2.37E+00	-1.12E-03	-1.14E-01	-5.57E-03	-6.73E-03	-4.53E-03	-6.50E-03	-4.15E+00
161	371708	757356	Offsite Worker	1.34E+00	2.77E+00	1.62E-01	7.60E+00	2.02E+00	-7.05E-01	8.38E-01	2.86E-01	-2.07E+00	-1.70E+00	-1.25E-03	-1.04E-01	-6.09E-03	-7.50E-03	-4.88E-03	-7.25E-03	-4.47E+00
162	371615	757356	Offsite Worker	1.56E+00	2.68E+00	-6.81E-02	7.93E+00	1.95E+00	-6.27E-01	8.09E-01	2.66E-01	-2.38E+00	-2.03E+00	-1.58E-03	-1.23E-01	-7.78E-03	-9.49E-03	-6.11E-03	-9.17E-03	-5.61E+00
163	371523	757356	Offsite Worker	1.23E+00	2.50E+00	-7.63E-01	6.96E+00	1.80E+00	-6.31E-01	7.57E-01	2.21E-01	-3.36E+00	-2.93E+00	-1.89E-03	-1.52E-01	-9.38E-03	-1.13E-02	-7.34E-03	-1.10E-02	-6.73E+00
164	371430	757356	Offsite Worker	1.75E+00	2.76E+00	-3.51E-01	8.44E+00	2.00E+00	-6.18E-01	8.34E-01	2.63E-01	-2.94E+00	-2.55E+00	-2.06E-03	-1.74E-01	-1.03E-02	-1.24E-02	-8.06E-03	-1.20E-02	-7.39E+00
165	371338	757356	Offsite Worker	2.05E+00	2.98E+00	-2.14E-01	9.34E+00	2.16E+00	-6.36E-01	9.01E-01	2.90E-01	-2.96E+00	-2.55E+00	-2.55E-03	-2.16E-01	-1.28E-02	-1.53E-02	-9.99E-03	-1.48E-02	-9.16E+00
166	371245	757356	Offsite Worker	1.63E+00	2.93E+00	-1.44E+00	8.20E+00	2.10E+00	-7.05E-01	8.88E-01	2.37E-01	-4.84E+00	-4.30E+00	-3.34E-03	-2.79E-01	-1.69E-02	-2.01E-02	-1.31E-02	-1.94E-02	-1.20E+01
167	371153	757356	Offsite Worker	2.25E+00	3.42E+00	-2.67E+00	9.97E+00	2.42E+00	-7.53E-01	1.04E+00	2.38E-01	-7.15E+00	-6.49E+00	-4.27E-03	-3.51E-01	-2.16E-02	-2.56E-02	-1.66E-02	-2.48E-02	-1.53E+01
168	371061	757356	Offsite Worker	4.03E+00	4.59E+00	-3.44E+00	1.52E+01	3.23E+00	-8.03E-01	1.38E+00	3.23E-01	-9.25E+00	-8.55E+00	-5.19E-03	-4.27E-01	-2.63E-02	-3.11E-02	-2.02E-02	-3.01E-02	-1.85E+01
169	371005	757357	Offsite Worker	5.08E+00	5.31E+00	-3.78E+00	1.83E+01	3.74E+00	-8.47E-01	1.60E+00	3.81E-01	-1.03E+01	-9.61E+00	-5.66E-03	-4.68E-01	-2.87E-02	-3.40E-02	-2.21E-02	-3.28E-02	-2.02E+01
170	370998	757293	Offsite Worker	1.34E+00	3.58E+00	-4.11E+00	8.10E+00	2.51E+00	-9.95E-01	1.09E+00	1.97E-01	-9.65E+00	-8.69E+00	-5.07E-03	-4.40E-01	-2.59E-02	-3.04E-02	-1.99E-02	-2.94E-02	-1.83E+01
171	370998	757194	Offsite Worker	4.90E-01	2.92E+00	-8.27E-01	6.20E+00	2.12E+00	-9.29E-01	8.93E-01	2.60E-01	-4.10E+00	-3.38E+00	-2.87E-03	-2.92E-01	-1.47E-02	-1.72E-02	-1.16E-02	-1.66E-02	-1.06E+01
172	370998	757096	Offsite Worker	5.18E-01	3.49E+00	1.01E+00	7.45E+00	2.59E+00	-1.13E+00	1.07E+00	3.91E-01	-1.79E+00	-1.08E+00	-2.99E-03	-3.30E-01	-1.55E-02	-1.79E-02	-1.22E-02	-1.73E-02	-1.12E+01
173	370998	756998	Offsite Worker	4.01E-01	3.10E+00	-3.07E+00	6.33E+00	2.21E+00	-1.02E+00	9.68E-01	1.84E-01	-8.73E+00	-7.42E+00	-8.16E-04	-1.47E-01	-4.20E-03	-4.90E-03	-3.75E-03	-4.73E-03	-3.43E+00
174	371057	756997	Offsite Worker	1.97E+00	3.64E+00	-2.16E-01	1.06E+01	2.66E+00	-8.87E-01	1.12E+00	3.53E-01	-4.23E+00	-3.42E+00	-1.23E-03	-1.60E-01	-6.16E-03	-7.37E-03	-5.21E-03	-7.13E-03	-4.77E+00
175	371153	756997	Offsite Worker	2.25E+00	3.89E+00	2.58E-01	1.16E+01	2.85E+00	-9.18E-01	1.19E+00	3.98E-01	-3.49E+00	-2.78E+00	-9.94E-04	-1.39E-01	-5.00E-03	-5.96E-03	-4.28E-03	-5.76E-03	-3.92E+00
176	371249	756997	Offsite Worker	2.45E+00	3.96E+00	-4.19E-01	1.19E+01	2.88E+00	-9.03E-01	1.21E+00	3.77E-01	-4.71E+00	-3.92E+00	-8.85E-04	-1.24E-01	-4.39E-03	-5.31E-03	-3.81E-03	-5.14E-03	-3.49E+00
177	371345	756997	Offsite Worker	2.11E+00	3.48E+00	-1.63E+00	1.03E+01	2.51E+00	-8.05E-01	1.07E+00	2.80E-01	-6.39E+00	-5.48E+00	-7.54E-04	-1.04E-01	-3.70E-03	-4.52E-03	-3.24E-03	-4.37E-03	-2.96E+00
178	371440	756997	Offsite Worker	2.47E+00	3.42E+00	-6.35E-01	1.12E+01	2.47E+00	-7.07E-01	1.04E+00	3.15E-01	-4.27E+00	-3.69E+00	-1.40E-03	-1.39E-01	-6.94E-03	-8.40E-03	-5.62E-03	-8.12E-03	-5.15E+00
179	371536	756997	Offsite Worker	3.04E+00	3.49E+00	4.90E-01	1.26E+01	2.55E+00	-6.16E-01	1.05E+00	3.67E-01	-2.41E+00	-2.03E+00	-1.83E-03	-1.60E-01	-9.11E-03	-1.10E-02	-7.19E-03	-1.06E-02	-6.59E+00
180	371632	756997	Offsite Worker	3.32E+00	3.38E+00	1.84E+00	1.32E+01	2.51E+00	-5.22E-01	1.02E+00	4.10E-01	-1.50E-01	4.19E-02	-1.37E-03	-1.23E-01	-6.76E-03	-8.25E-03	-5.42E-03	-7.97E-03	-4.97E+00
181	371728	756997	Offsite Worker	3.02E+00	2.99E+00	3.04E+00	1.21E+01	2.26E+00	-4.45E-01	9.02E-01	4.19E-01	2.04E+00	2.11E+00	-3.65E-04	-3.93E-02	-1.40E-03	-2.19E-03	-1.49E-03	-2.12E-03	-1.36E+00
182	371824	756997	Offsite Worker	3.01E+00	2.93E+00	2.36E+00	1.19E+01	2.19E+00	-4.24E-01	8.81E-01	3.86E-01	1.10E+00	1.18E+00	-6.13E-04	-4.71E-02	-2.66E-03	-3.68E-03	-2.36E-03	-3.55E-03	-2.17E+00
183	371920	756997	Offsite Worker	2.27E+00	2.43E+00	2.18E+00	9.70E+00	1.83E+00	-4.00E-01	7.34E-01	3.29E-01	1.21E+00	1.30E+00	-5.33E-05	4.53E-03	3.43E-04	-3.20E-04	-1.44E-04	-3.09E-04	-1.33E-01
184	372016	756997	Offsite Worker	3.80E+00	3.16E+00	6.31E+00	1.43E+01	2.46E+00	-3.47E-01	9.49E-01	5.65E-01	7.04E+00	6.76E+00	1.85E-03	1.53E-01	1.05E-02	1.11E-02	7.23E-03	1.07E-02	6.62E+00
185	372111	756997	Offsite Worker	5.04E+00	3.76E+00	8.67E+00	1.79E+01	2.96E+00	-3.05E-01	1.12E+00	7.17E-01	1.03E+01	9.76E+00	2.42E-03	1.95E-01	1.34E-02	1.45E-02	9.39E-03	1.40E-02	8.61E+00
186	372207	756997	Offsite Worker	3.52E+00	2.95E+00	4.69E+00	1.33E+01	2.26E+00	-3.26E-01	8.83E-01	4.79E-01	4.77E+00	4.59E+00	1.14E-03	1.14E-01	6.74E-03	6.81E-03	4.57E-03	6.59E-03	4.19E+00

Table 3-3A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 3, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
187	372303	756997	Offsite Worker	2.28E+00	2.25E+00	2.39E+00	9.56E+00	1.70E+00	-3.32E-01	6.76E-01	3.19E-01	1.77E+00	1.78E+00	5.99E-04	8.47E-02	3.96E-03	3.59E-03	2.59E-03	3.47E-03	2.37E+00
188	372399	756997	Offsite Worker	3.50E+00	2.84E+00	4.74E+00	1.32E+01	2.19E+00	-2.94E-01	8.51E-01	4.71E-01	4.98E+00	4.75E+00	1.33E-03	1.54E-01	7.96E-03	7.97E-03	5.49E-03	7.71E-03	5.03E+00
189	372495	756997	Offsite Worker	2.35E+00	2.23E+00	1.60E+00	9.68E+00	1.65E+00	-3.08E-01	6.67E-01	2.86E-01	6.88E-01	6.97E-01	-2.69E-05	6.91E-02	8.34E-04	-1.62E-04	4.05E-04	-1.56E-04	3.62E-01
190	372591	756997	Offsite Worker	2.51E+00	2.27E+00	1.43E+00	1.02E+01	1.68E+00	-2.93E-01	6.78E-01	2.85E-01	5.21E-01	4.78E-01	-3.12E-04	7.73E-02	-4.93E-04	-1.87E-03	-4.80E-04	-1.81E-03	-4.53E-01
191	372610	757063	Offsite Worker	2.51E+00	2.26E+00	1.14E+00	9.44E+00	1.66E+00	-2.89E-01	6.73E-01	2.73E-01	1.58E-01	1.08E-01	-4.66E-04	5.81E-02	-1.46E-03	-2.79E-03	-1.13E-03	-2.70E-03	-1.04E+00
192	372612	757132	Offsite Worker	2.09E+00	1.95E+00	1.54E+00	8.15E+00	1.45E+00	-2.62E-01	5.79E-01	2.57E-01	1.02E+00	9.35E-01	-4.25E-05	9.68E-02	7.98E-04	-2.55E-04	5.51E-04	-2.46E-04	4.93E-01
193	372614	757201	Offsite Worker	2.00E+00	1.88E+00	1.86E+00	8.27E+00	1.41E+00	-2.57E-01	5.59E-01	2.63E-01	1.55E+00	1.45E+00	7.36E-05	1.02E-01	1.40E-03	4.42E-04	9.72E-04	4.27E-04	8.79E-01
194	372616	757270	Offsite Worker	1.96E+00	1.83E+00	2.12E+00	7.64E+00	1.38E+00	-2.46E-01	5.44E-01	2.68E-01	2.00E+00	1.87E+00	1.50E-05	9.76E-02	1.13E-03	9.02E-05	7.47E-04	8.71E-05	6.73E-01
195	372627	757351	Offsite Worker	2.29E+00	1.99E+00	2.15E+00	8.37E+00	1.49E+00	-2.37E-01	5.90E-01	2.86E-01	1.99E+00	1.82E+00	-2.92E-04	6.31E-02	-6.13E-04	-1.75E-03	-5.16E-04	-1.70E-03	-4.84E-01
196	372651	757422	Offsite Worker	2.26E+00	2.01E+00	1.80E+00	8.24E+00	1.49E+00	-2.49E-01	5.94E-01	2.74E-01	1.48E+00	1.33E+00	-5.57E-04	3.53E-02	-2.11E-03	-3.34E-03	-1.59E-03	-3.23E-03	-1.47E+00
197	372676	757494	Offsite Worker	1.92E+00	1.88E+00	1.34E+00	7.28E+00	1.39E+00	-2.71E-01	5.54E-01	2.43E-01	9.46E-01	8.16E-01	-8.91E-04	1.59E-02	-3.82E-03	-5.35E-03	-2.83E-03	-5.17E-03	-2.61E+00
198	372704	757569	Offsite Worker	1.54E+00	1.67E+00	4.01E-01	6.06E+00	1.21E+00	-2.76E-01	4.94E-01	1.85E-01	-3.73E-01	-4.12E-01	-1.11E-03	1.10E-02	-4.86E-03	-6.64E-03	-3.58E-03	-6.42E-03	-3.30E+00
199	372733	757645	Offsite Worker	6.19E-01	1.38E+00	-4.54E-01	3.65E+00	9.86E-01	-3.60E-01	4.11E-01	1.23E-01	-1.51E+00	-1.41E+00	-1.02E-03	1.04E-02	-4.45E-03	-6.12E-03	-3.30E-03	-5.92E-03	-3.04E+00
200	372746	757702	Offsite Worker	1.06E-01	1.20E+00	-9.23E-01	2.25E+00	8.48E-01	-4.01E-01	3.60E-01	8.73E-02	-2.12E+00	-1.95E+00	-8.37E-04	1.96E-02	-3.55E-03	-5.02E-03	-2.63E-03	-4.86E-03	-2.42E+00
201	372746	757768	Offsite Worker	3.63E-02	1.29E+00	-8.95E-01	2.11E+00	9.13E-01	-4.46E-01	3.87E-01	9.73E-02	-2.15E+00	-1.95E+00	-8.93E-04	3.73E-03	-3.92E-03	-5.36E-03	-2.93E-03	-5.18E-03	-2.69E+00
202	372807	757781	Offsite Worker	-2.54E-02	1.19E+00	-9.08E-01	1.89E+00	8.37E-01	-4.22E-01	3.55E-01	8.67E-02	-2.05E+00	-1.88E+00	-8.30E-04	1.94E-02	-3.52E-03	-4.98E-03	-2.61E-03	-4.81E-03	-2.40E+00
203	372901	757782	Offsite Worker	4.69E-01	1.36E+00	-4.05E-01	3.57E+00	9.69E-01	-3.81E-01	4.02E-01	1.24E-01	-1.30E+00	-1.24E+00	-7.71E-04	5.91E-02	-2.95E-03	-4.63E-03	-2.13E-03	-4.47E-03	-1.97E+00
204	372994	757783	Offsite Worker	1.25E+00	1.69E+00	4.64E-01	5.81E+00	1.23E+00	-3.39E-01	4.98E-01	1.91E-01	-1.66E-01	-2.18E-01	-8.19E-04	6.58E-02	-3.12E-03	-4.91E-03	-2.24E-03	-4.75E-03	-2.07E+00
205	373087	757783	Offsite Worker	2.03E+00	2.02E+00	1.01E+00	7.96E+00	1.48E+00	-2.98E-01	5.94E-01	2.45E-01	4.79E-01	3.28E-01	-9.29E-04	7.85E-02	-3.52E-03	-5.58E-03	-2.51E-03	-5.39E-03	-2.32E+00
206	373180	757784	Offsite Worker	2.39E+00	2.10E+00	1.39E+00	8.85E+00	1.55E+00	-2.56E-01	6.19E-01	2.68E-01	9.82E-01	7.81E-01	-9.92E-04	7.82E-02	-3.79E-03	-5.95E-03	-2.72E-03	-5.75E-03	-2.52E+00
207	373274	757785	Offsite Worker	2.28E+00	1.94E+00	1.57E+00	8.39E+00	1.43E+00	-2.20E-01	5.69E-01	2.59E-01	1.43E+00	1.19E+00	-8.62E-04	9.57E-02	-3.09E-03	-5.17E-03	-2.17E-03	-5.00E-03	-2.01E+00
208	373367	757786	Offsite Worker	2.02E+00	1.76E+00	1.60E+00	7.57E+00	1.30E+00	-2.07E-01	5.13E-01	2.42E-01	1.68E+00	1.41E+00	-5.90E-04	1.19E-01	-1.70E-03	-3.54E-03	-1.10E-03	-3.42E-03	-1.03E+00
209	373418	757742	Offsite Worker	1.97E+00	1.70E+00	1.48E+00	7.20E+00	1.26E+00	-2.01E-01	5.01E-01	2.31E-01	1.37E+00	1.17E+00	-5.23E-04	9.61E-02	-1.56E-03	-3.14E-03	-1.04E-03	-3.03E-03	-9.74E-01
210	373418	757653	Offsite Worker	2.19E+00	1.79E+00	1.52E+00	7.79E+00	1.33E+00	-1.86E-01	5.26E-01	2.41E-01	1.31E+00	1.11E+00	-6.49E-04	8.53E-02	-2.19E-03	-3.89E-03	-1.54E-03	-3.77E-03	-1.43E+00
211	373419	757564	Offsite Worker	2.42E+00	1.89E+00	1.57E+00	8.42E+00	1.40E+00	-1.75E-01	5.57E-01	2.53E-01	1.30E+00	1.09E+00	-5.74E-04	8.09E-02	-1.86E-03	-3.44E-03	-1.32E-03	-3.33E-03	-1.23E+00
212	373419	757475	Offsite Worker	2.62E+00	2.00E+00	1.72E+00	8.99E+00	1.48E+00	-1.74E-01	5.90E-01	2.70E-01	1.42E+00	1.21E+00	-3.25E-04	9.71E-02	-5.79E-04	-1.95E-03	-3.82E-04	-1.89E-03	-3.65E-01
213	373420	757386	Offsite Worker	2.88E+00	2.17E+00	2.20E+00	9.80E+00	1.62E+00	-1.80E-01	6.39E-01	3.05E-01	2.06E+00	1.80E+00	1.37E-04	1.37E-01	1.90E-03	8.20E-04	1.43E-03	7.93E-04	1.30E+00
214	373420	757297	Offsite Worker	3.81E+00	2.72E+00	2.54E+00	1.25E+01	2.02E+00	-1.85E-01	8.02E-01	3.73E-01	2.11E+00	1.82E+00	-1.13E-04	1.13E-01	6.15E-04	-6.81E-04	4.35E-04	-6.58E-04	3.84E-01
215	373421	757207	Offsite Worker	4.84E+00	3.29E+00	2.65E+00	1.53E+01	2.44E+00	-1.80E-01	9.72E-01	4.34E-01	1.85E+00	1.52E+00	-6.41E-04	5.22E-02	-2.33E-03	-3.84E-03	-1.75E-03	-3.72E-03	-1.61E+00
216	373421	757118	Offsite Worker	4.36E+00	3.10E+00	2.01E+00	1.38E+01	2.28E+00	-2.09E-01	9.17E-01	3.89E-01	9.12E-01	6.97E-01	-7.26E-04	3.19E-02	-2.91E-03	-4.36E-03	-2.18E-03	-4.21E-03	-2.01E+00
217	373292	757117	Offsite Worker	4.91E+00	3.41E+00	2.33E+00	1.57E+01	2.51E+00	-2.09E-01	1.01E+00	4.34E-01	1.24E+00	9.63E-01	-7.63E-04	3.95E-02	-3.00E-03	-4.58E-03	-2.24E-03	-4.42E-03	-2.07E+00
218	373213	757118	Offsite Worker	5.25E+00	3.61E+00	2.62E+00	1.70E+01	2.67E+00	-2.10E-01	1.07E+00	4.65E-01	1.57E+00	1.25E+00	-5.99E-04	6.55E-02	-2.02E-03	-3.59E-03	-1.51E-03	-3.47E-03	-1.40E+00
219	373158	757066	Offsite Worker	5.41E+00	3.74E+00	2.64E+00	1.73E+01	2.76E+00	-2.23E-01	1.11E+00	4.79E-01	1.45E+00	1.15E+00	-7.64E-04	3.93E-02	-3.01E-03	-4.58E-03	-2.25E-03	-4.43E-03	-2.07E+00
220	373084	757026	Offsite Worker	5.40E+00	3.79E+00	2.61E+00	1.75E+01	2.79E+00	-2.41E-01	1.12E+00	4.82E-01	1.37E+00	1.08E+00	-7.62E-04	4.30E-02	-2.97E-03	-4.57E-03	-2.21E-03	-4.42E-03	-2.04E+00
221	373009	757011	Offsite Worker	5.35E+00	3.77E+00	2.56E+00	1.74E+01	2.78E+00	-2.48E-01	1.12E+00	4.79E-01	1.28E+00	1.01E+00	-6.84E-04	5.93E-02	-2.45E-03	-4.10E-03	-1.84E-03	-3.97E-03	-1.70E+00
222	372922	757009	Offsite Worker	4.60E+00	3.31E+00	2.80E+00	1.55E+01	2.46E+00	-2.36E-01	9.82E-01	4.42E-01	1.94E+00	1.69E+00	-1.83E-04	1.08E-01	3.43E-04	-1.10E-03	1.68E-04	-1.06E-03	1.39E-01
223	372835	757007	Offsite Worker	3.43E+00	2.66E+00	2.65E+00	1.27E+01	1.99E+00	-2.43E-01	7.89E-01	3.71E-01	2.17E+00	1.98E+00	2.36E-04	1.44E-01	2.64E-03	1.42E-03	1.81E-03	1.37E-03	1.64E+00
224	372747	757006	Offsite Worker	2.57E+00	2.20E+00	2.30E+00	1.05E+01	1.65E+00	-2.55E-01	6.54E-01	3.12E-01	1.98E+00	1.84E+00	4.79E-04	1.82E-01	4.05E-03	2.88E-03	2.89E-03	2.78E-03	2.63E+00
225	372660	757004	Offsite Worker	2.01E+00	1.95E+00	1.66E+00	9.06E+00	1.45E+00	-2.76E-01	5.75E-01	2.63E-01	1.38E+00	1.23E+00	7.58E-04	1.85E-01	5.19E-03	4.55E-03	3.83E-03	4.40E-03	3.49E+00
226	372651	757063	Offsite Worker	2.08E+00	2.01E+00	1.22E+00	8.49E+00	1.48E+00	-2.83E-01	5.91E-01	2.52E-01	7.98E-01	6.31E-01	1.23E-04	1.12E-01	1.55E-03	7.37E-04	1.20E-03	7.12E-04	1.09E+00
227	372629	756931	Offsite Worker	3.71E+00	2.79E+00	3.77E+00	1.34E+01	2.12E+00	-2.33E-01	8.30E-01	4.28E-01	3.72E+00	3.46E+00	1.12E-03	1.95E-01	7.20E-03	6.72E-03	5.10E-03	6.49E-03	4.66E+00
228	372631	756857	Offsite Worker	5.98E+00	4.01E+00	4.72E+00	1.99E+01	3.02E+00	-2.04E-01	1.19E+00	5.87E-01	4.24E+00	3.85E+00	8.41E-04	1.44E-01	5.48E-03	5.05E-03	3.81E-03	4.88E-03	3.49E+00
229	372634	756783	Offsite Worker	9.11E+00	5.79E+00	5.59E+00	2.90E+01	4.32E+00	-2.00E-01	1.72E+00	7.98E-01	4.17E+00	3.66E+00	4.72E-04	9.39E-02	3.36E-03	2.83E-03	2.23E-03	2.74E-03	2.04E+00
230	372702	756778	Offsite Worker	9.10E+00	5.81E+00	5.35E+00	2.95E+01	4.32E+00	-2.06E-01	1.72E+00	7.89E-01	3.71E+00	3.25E+00	1.63E-04	6.75E-02	1.79E-03	9.77E-04	1.02E-03	9.44E-04	9.29E-01
231	372756	756775	Offsite Worker	8.36E+00	5.39E+00	4.84E+00	2.74E+01	4.01E+00	-2.09E-01	1.60E+00	7.27E-01	3.24E+00	2.83E+00	1.72E-04	6.91E-02	1.82E-03	1.03E-03	1.06E-03	9.99E-04	9.69E-01
232	372729	756712	Offsite Worker	7.22E+00	4.74E+00	4.43E+00	2.41E+01	3.54E+00	-2.13E-01	1.41E+00	6.46E-01	3.05E+00	2.72E+00	8.49E-05	5.49E-02	1.32E-03	5.09E-04	6.73E-04	4.92E-04	6.12E-01
233	372703	756650	Offsite Worker	5.06E+00	3.53E+00	3.04E+00	1.78E+01	2.63E+00	-2.23E-01	1.05E+00	4.72E-01	1.86E+00	1.68E+00	-1.54E-04	2.76E-02	-5.82E-05	-9.23E-04	-3.12E-04	-8.92E-04	-2.91E-01
234	372677	756588	Offsite Worker	5.93E+00	4.00E+00	3.80E+00	2.02E+01	2.99E+00	-2.12E-01	1.19E+00	5.49E-01	2.67E+00	2.41E+00	-1.26E-04	2.11E-02	2.95E-05	-7.58E-04	-2.67E-04	-7.33E-04	-2.49E-01
235	372619	756588	Offsite Worker	5.14E+00	3.58E+00	3.48E+00	1.72E+01	2.68E+00	-2.23E-01	1.07E+00	4.93E-01	2.45E+00	2.25E+00	4.88E-05	3.81E-02	1.01E-03	2.93E-04	4.33E-04	2.83E-04	3.93E-01
236	372622	756509	Offsite Worker	1.19E+01	7.63E+00	5.01E+00	3.69E+01	5.63E+00	-2.83E-01	2.27E+00	9.56E-01	1.63E+00	1.23E+00	-2.37E-04	1.26E-02	-3.60E-04	-1.42E-03	-6.95E-04	-1.38E-03	-6.41E-01
237	372700	756511	Offsite Worker	1.11E+01	7.12E+00	4.07E+00	3.52E+01	5.24E+00	-2.75E-01	2.12E+00	8.69E-01	5.75E-01	2.45E-01	-4.85E-04	-3.10E-03	-1.83E-03	-2.91E-03	-1.63E-03	-2.81E-03	-1.50E+00
238	372789	756510	Offsite Worker	9.28E+00	6.07E+00	3.27E+00	2.99E+01	4.46E+00	-2.64E-01	1.80E+00	7.32E-01	1.82E-01	-6.51E-02	-3.98E-04	1.18E-02	-1.31E-03	-2.39E-03	-1.23E-03	-2.31E-03	-1.14E+00
239	372871	756509	Offsite Worker	7.55E+00	5.05E+00	2.58E+00	2.38E+01	3.71E+00	-2.55E-01	1.50E+00	6.04E-01	-5.85E-02	-2.35E-01	-4.05E-04	1.88E-02	-1.23E-03	-2.43E-03	-1.20E-03	-2.35E-03	-1.11E+00
240	372871	756437	Offsite Worker	6.18E+00	4.30E+00	2.08E+00	2.00E+01	3.15E+00	-2.65E-01	1.28E+00	5.10E-01	-1.99E-01	-3.25E-01	-1.04E-03	-3.17E-02	-4.15E-03	-6.26E-03	-3.68E-03	-6.05E-03	-3.38E+00
241	372970	756437	Offsite Worker	6.06E+00	4.16E+00	1.70E+00	1.92E+01	3.05E+00	-2.44E-01	1.24E+00	4.82E-01	-6.28E-01	-7.51E-01	-1.49E-03	-5.32E-02	-6.42E-03	-8.93E-03	-5.30E-03	-8.63E-03	-4.87E+00
242	373069	756437	Offsite Worker	5.65E+00	3.87E+00	1.66E+00	1.78E+01	2.83E+00	-2.20E-01	1.15E+00	4.51E-01	-4.37E-01	-5.70E-01	-1.26E-03	-3.33E-02	-5.33E-03	-7.58E-03	-4.42E-03	-7.33E-03	-4.06E+00

Table 3-3A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 3, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
243	373168	756437	Offsite Worker	5.30E+00	3.62E+00	1.66E+00	1.67E+01	2.65E+00	-2.06E-01	1.08E+00	4.26E-01	-2.53E-01	-3.85E-01	-8.18E-04	-7.00E-03	-3.20E-03	-4.91E-03	-2.76E-03	-4.74E-03	-2.53E+00
244	373267	756437	Offsite Worker	4.99E+00	3.42E+00	1.65E+00	1.57E+01	2.50E+00	-1.94E-01	1.02E+00	4.05E-01	-1.01E-01	-2.32E-01	-7.82E-04	-5.76E-03	-3.07E-03	-4.69E-03	-2.63E-03	-4.54E-03	-2.42E+00
245	373412	756437	Offsite Worker	4.65E+00	3.17E+00	1.63E+00	1.44E+01	2.33E+00	-1.78E-01	9.42E-01	3.80E-01	4.79E-02	-7.71E-02	-7.37E-04	-7.09E-03	-2.93E-03	-4.42E-03	-2.49E-03	-4.28E-03	-2.29E+00
246	373409	756339	Offsite Worker	4.24E+00	3.12E+00	6.30E-01	1.34E+01	2.27E+00	-2.43E-01	9.31E-01	3.36E-01	-1.55E+00	-1.53E+00	-1.29E-03	-4.86E-02	-5.76E-03	-7.76E-03	-4.63E-03	-7.50E-03	-4.25E+00
247	373406	756240	Offsite Worker	3.65E+00	2.84E+00	4.02E-01	1.18E+01	2.06E+00	-2.65E-01	8.48E-01	3.00E-01	-1.64E+00	-1.59E+00	-1.36E-03	-6.36E-02	-6.38E-03	-8.14E-03	-4.94E-03	-7.87E-03	-4.54E+00
248	373403	756142	Offsite Worker	3.72E+00	2.83E+00	1.09E+00	1.19E+01	2.07E+00	-2.45E-01	8.44E-01	3.25E-01	-5.78E-01	-5.91E-01	-7.25E-04	-1.79E-02	-3.12E-03	-4.35E-03	-2.53E-03	-4.21E-03	-2.32E+00
249	373400	756042	Offsite Worker	2.88E+00	2.76E+00	6.46E-01	9.98E+00	2.01E+00	-3.90E-01	8.26E-01	3.02E-01	-1.21E+00	-1.10E+00	-1.11E-03	-6.35E-02	-5.23E-03	-6.63E-03	-4.11E-03	-6.41E-03	-3.77E+00
250	373397	755944	Offsite Worker	3.89E+00	3.29E+00	1.28E+00	1.28E+01	2.41E+00	-3.72E-01	9.81E-01	3.79E-01	-6.26E-01	-5.97E-01	-1.17E-03	-7.05E-02	-5.64E-03	-7.04E-03	-4.38E-03	-6.80E-03	-4.02E+00
251	373393	755846	Offsite Worker	4.66E+00	3.65E+00	2.05E+00	1.49E+01	2.69E+00	-3.45E-01	1.09E+00	4.45E-01	2.68E-01	2.13E-01	-1.50E-03	-8.88E-02	-7.20E-03	-8.99E-03	-5.59E-03	-8.69E-03	-5.13E+00
252	373390	755747	Offsite Worker	5.30E+00	3.89E+00	2.22E+00	1.66E+01	2.87E+00	-3.01E-01	1.16E+00	4.76E-01	3.85E-01	2.66E-01	-1.23E-03	-6.57E-02	-5.83E-03	-7.39E-03	-4.55E-03	-7.15E-03	-4.17E+00
253	373309	755744	Offsite Worker	5.61E+00	4.08E+00	2.28E+00	1.75E+01	3.00E+00	-3.02E-01	1.21E+00	4.97E-01	3.45E-01	2.14E-01	-1.29E-03	-6.93E-02	-6.11E-03	-7.74E-03	-4.76E-03	-7.48E-03	-4.37E+00
254	373229	755743	Offsite Worker	5.92E+00	4.26E+00	2.34E+00	1.84E+01	3.14E+00	-3.06E-01	1.27E+00	5.18E-01	2.97E-01	1.55E-01	-1.34E-03	-7.16E-02	-6.34E-03	-8.04E-03	-4.94E-03	-7.77E-03	-4.54E+00
255	373143	755741	Offsite Worker	6.22E+00	4.46E+00	2.39E+00	1.94E+01	3.28E+00	-3.16E-01	1.33E+00	5.39E-01	2.43E-01	8.65E-02	-1.46E-03	-8.05E-02	-6.92E-03	-8.74E-03	-5.39E-03	-8.45E-03	-4.95E+00
256	373143	755823	Offsite Worker	5.85E+00	4.41E+00	2.36E+00	1.86E+01	3.24E+00	-3.70E-01	1.31E+00	5.33E-01	2.30E-01	1.14E-01	-1.56E-03	-8.99E-02	-7.45E-03	-9.35E-03	-5.80E-03	-9.04E-03	-5.32E+00
257	373143	755906	Offsite Worker	4.77E+00	4.04E+00	1.81E+00	1.59E+01	2.97E+00	-4.59E-01	1.21E+00	4.76E-01	-3.71E-01	-3.66E-01	-1.50E-03	-9.90E-02	-7.30E-03	-9.03E-03	-5.68E-03	-8.72E-03	-5.21E+00
258	373065	755906	Offsite Worker	5.11E+00	4.28E+00	1.88E+00	1.71E+01	3.14E+00	-4.75E-01	1.28E+00	5.03E-01	-4.28E-01	-4.34E-01	-1.51E-03	-1.02E-01	-7.33E-03	-9.04E-03	-5.71E-03	-8.74E-03	-5.24E+00
259	373065	755827	Offsite Worker	6.03E+00	4.68E+00	2.22E+00	1.95E+01	3.44E+00	-4.30E-01	1.40E+00	5.56E-01	-1.86E-01	-2.71E-01	-1.74E-03	-1.13E-01	-8.44E-03	-1.05E-02	-6.57E-03	-1.01E-02	-6.03E+00
260	373068	755733	Offsite Worker	6.62E+00	4.62E+00	2.51E+00	2.05E+01	3.39E+00	-2.90E-01	1.37E+00	5.60E-01	3.24E-01	1.33E-01	-1.42E-03	-7.46E-02	-6.71E-03	-8.54E-03	-5.24E-03	-8.25E-03	-4.81E+00
261	373007	755733	Offsite Worker	6.79E+00	4.71E+00	2.49E+00	2.10E+01	3.46E+00	-2.86E-01	1.40E+00	5.68E-01	2.35E-01	3.15E-02	-1.36E-03	-6.93E-02	-6.40E-03	-8.19E-03	-5.01E-03	-7.91E-03	-4.60E+00
262	372941	755733	Offsite Worker	7.06E+00	4.83E+00	2.38E+00	2.19E+01	3.54E+00	-2.74E-01	1.43E+00	5.76E-01	2.74E-02	-1.98E-01	-1.32E-03	-6.34E-02	-6.16E-03	-7.93E-03	-4.83E-03	-7.67E-03	-4.43E+00
263	372941	755636	Offsite Worker	4.60E+00	3.27E+00	1.14E+00	1.44E+01	2.39E+00	-2.23E-01	9.72E-01	3.71E-01	-7.28E-01	-8.19E-01	-1.42E-03	-7.33E-02	-6.75E-03	-8.49E-03	-5.21E-03	-8.21E-03	-4.78E+00
264	372941	755539	Offsite Worker	2.41E+00	2.01E+00	4.68E-01	8.08E+00	1.46E+00	-2.19E-01	5.97E-01	2.19E-01	-7.74E-01	-7.74E-01	-1.40E-03	-7.86E-02	-6.74E-03	-8.38E-03	-5.18E-03	-8.10E-03	-4.76E+00
265	372941	755442	Offsite Worker	1.57E+00	1.55E+00	1.06E+00	5.72E+00	1.15E+00	-2.29E-01	4.63E-01	1.98E-01	4.99E-01	4.76E-01	-1.77E-03	-1.04E-01	-8.61E-03	-1.06E-02	-6.60E-03	-1.03E-02	-6.06E+00
266	372913	755342	Offsite Worker	9.50E-01	1.16E+00	8.01E-01	3.81E+00	8.57E-01	-2.15E-01	3.44E-01	1.49E-01	5.29E-01	4.86E-01	-2.79E-03	-1.81E-01	-1.39E-02	-1.67E-02	-1.05E-02	-1.62E-02	-9.65E+00
267	372817	755346	Offsite Worker	8.55E-01	1.11E+00	5.38E-01	3.57E+00	8.19E-01	-2.17E-01	3.33E-01	1.32E-01	-9.40E-02	-1.92E-02	-4.31E-03	-2.78E-01	-2.15E-02	-2.58E-02	-1.62E-02	-2.50E-02	-1.49E+01
268	372720	755349	Offsite Worker	8.09E-01	1.08E+00	-2.63E-01	3.47E+00	7.74E-01	-2.15E-01	3.24E-01	9.76E-02	-1.29E+00	-1.16E+00	-6.76E-03	-4.49E-01	-3.40E-02	-4.06E-02	-2.56E-02	-3.92E-02	-2.35E+01
269	372624	755352	Offsite Worker	1.63E+00	1.55E+00	-1.58E+00	5.73E+00	1.07E+00	-2.15E-01	4.63E-01	9.23E-02	-3.67E+00	-3.47E+00	-1.03E-02	-6.92E-01	-5.19E-02	-6.16E-02	-3.89E-02	-5.95E-02	-3.57E+01
270	372527	755349	Offsite Worker	1.96E+00	1.74E+00	-2.43E+00	6.44E+00	1.19E+00	-2.17E-01	5.19E-01	7.73E-02	-5.16E+00	-4.90E+00	-7.42E-03	-5.06E-01	-3.75E-02	-4.45E-02	-2.82E-02	-4.30E-02	-2.58E+01
271	372431	755353	Offsite Worker	1.21E+00	1.33E+00	-2.22E+00	4.33E+00	9.01E-01	-2.23E-01	3.99E-01	4.49E-02	-4.55E+00	-4.28E+00	-6.60E-03	-4.58E-01	-3.34E-02	-3.96E-02	-2.51E-02	-3.83E-02	-2.30E+01
272	372334	755356	Offsite Worker	4.30E-01	9.05E-01	-2.18E+00	2.12E+00	5.99E-01	-2.33E-01	2.74E-01	4.90E-03	-4.15E+00	-3.86E+00	-5.91E-03	-4.10E-01	-2.98E-02	-3.55E-02	-2.25E-02	-3.43E-02	-2.06E+01
273	372237	755359	Offsite Worker	6.49E-01	9.85E-01	-2.16E+00	2.67E+00	6.56E-01	-2.17E-01	2.97E-01	1.35E-02	-4.17E+00	-3.89E+00	-5.44E-03	-3.74E-01	-2.73E-02	-3.26E-02	-2.07E-02	-3.16E-02	-1.90E+01
274	372141	755362	Offsite Worker	6.59E-01	9.88E-01	-1.30E+00	2.79E+00	6.81E-01	-2.15E-01	2.97E-01	4.79E-02	-2.80E+00	-2.61E+00	-1.02E-02	-7.08E-01	-5.18E-02	-6.15E-02	-3.90E-02	-5.94E-02	-3.57E+01
275	372044	755366	Offsite Worker	7.71E-01	1.05E+00	-2.55E-01	3.19E+00	7.53E-01	-2.13E-01	3.15E-01	9.50E-02	-1.27E+00	-1.14E+00	-1.05E-02	-7.31E-01	-5.33E-02	-6.33E-02	-4.01E-02	-6.12E-02	-3.68E+01
276	371948	755369	Offsite Worker	7.69E-01	1.11E+00	-7.09E-02	3.28E+00	8.02E-01	-2.34E-01	3.34E-01	1.08E-01	-1.06E+00	-9.20E-01	-5.70E-03	-3.92E-01	-2.87E-02	-3.42E-02	-2.17E-02	-3.31E-02	-1.99E+01
277	371851	755372	Offsite Worker	-2.49E-01	7.60E-01	-1.82E+00	5.17E-01	5.10E-01	-3.19E-01	2.34E-01	5.00E-03	-3.54E+00	-3.19E+00	-5.02E-03	-3.51E-01	-2.54E-02	-3.01E-02	-1.91E-02	-2.91E-02	-1.75E+01
278	371755	755375	Offsite Worker	-1.64E+00	1.22E-01	-3.34E+00	-3.39E+00	1.15E-02	-3.76E-01	4.60E-02	-1.18E-01	-5.39E+00	-4.87E+00	-5.04E-03	-3.55E-01	-2.55E-02	-3.02E-02	-1.92E-02	-2.92E-02	-1.76E+01
279	371658	755378	Offsite Worker	-1.75E+00	1.11E-01	-4.08E+00	-3.70E+00	-1.65E-02	-3.93E-01	4.30E-02	-1.48E-01	-6.52E+00	-5.94E+00	-4.74E-03	-3.30E-01	-2.39E-02	-2.85E-02	-1.80E-02	-2.75E-02	-1.66E+01
280	371562	755382	Offsite Worker	-4.72E-01	8.05E-01	-1.87E+00	1.05E-01	5.43E-01	-3.79E-01	2.48E-01	8.02E-03	-3.64E+00	-3.26E+00	-3.56E-03	-2.41E-01	-1.78E-02	-2.14E-02	-1.35E-02	-2.06E-02	-1.24E+01
281	371465	755385	Offsite Worker	1.13E+00	1.56E+00	-3.04E-01	4.57E+00	1.13E+00	-3.23E-01	4.72E-01	1.44E-01	-1.84E+00	-1.63E+00	-2.58E-03	-1.70E-01	-1.27E-02	-1.55E-02	-9.75E-03	-1.50E-02	-8.94E+00
282	371368	755388	Offsite Worker	1.96E+00	1.91E+00	-6.72E-01	6.71E+00	1.37E+00	-2.79E-01	5.75E-01	1.64E-01	-2.70E+00	-2.49E+00	-1.95E-03	-1.39E-01	-9.74E-03	-1.17E-02	-7.45E-03	-1.13E-02	-6.84E+00
283	371272	755391	Offsite Worker	2.27E+00	2.12E+00	-2.41E-01	7.71E+00	1.53E+00	-2.89E-01	6.36E-01	2.02E-01	-2.14E+00	-1.98E+00	-1.99E-03	-1.47E-01	-9.97E-03	-1.20E-02	-7.64E-03	-1.16E-02	-7.01E+00
284	371175	755395	Offsite Worker	2.48E+00	2.33E+00	3.85E-01	8.48E+00	1.69E+00	-3.19E-01	6.97E-01	2.48E-01	-1.31E+00	-1.19E+00	-2.10E-03	-1.57E-01	-1.05E-02	-1.26E-02	-8.06E-03	-1.22E-02	-7.39E+00
285	371079	755398	Offsite Worker	2.15E+00	2.08E+00	1.36E-01	7.44E+00	1.51E+00	-2.99E-01	6.24E-01	2.14E-01	-1.49E+00	-1.37E+00	-2.20E-03	-1.64E-01	-1.10E-02	-1.32E-02	-8.46E-03	-1.28E-02	-7.76E+00
286	371042	755478	Offsite Worker	8.26E-01	1.33E+00	2.84E-01	3.70E+00	9.78E-01	-3.02E-01	4.03E-01	1.45E-01	-7.08E-01	-5.54E-01	-2.04E-03	-1.55E-01	-1.01E-02	-1.22E-02	-7.84E-03	-1.18E-02	-7.19E+00
287	371009	755538	Offsite Worker	1.45E+00	1.64E+00	1.06E+00	5.47E+00	1.22E+00	-2.85E-01	4.94E-01	2.06E-01	2.30E-01	3.17E-01	-1.79E-03	-1.46E-01	-8.86E-03	-1.07E-02	-6.96E-03	-1.04E-02	-6.38E+00
288	370975	755597	Offsite Worker	6.33E-02	8.15E-01	1.21E+00	1.51E+00	6.32E-01	-2.74E-01	2.50E-01	1.30E-01	1.09E+00	1.19E+00	-1.90E-03	-1.48E-01	-9.25E-03	-1.14E-02	-7.34E-03	-1.10E-02	-6.73E+00
289	370925	755597	Offsite Worker	-1.22E+00	1.63E-01	-3.48E-01	-2.18E+00	1.22E-01	-3.04E-01	5.73E-02	4.00E-03	-8.00E-01	-5.47E-01	-1.96E-03	-1.55E-01	-9.48E-03	-1.18E-02	-7.59E-03	-1.14E-02	-6.96E+00
290	370860	755547	Offsite Worker	-1.53E+00	2.53E-01	-2.87E+00	-2.95E+00	1.20E-01	-3.99E-01	8.54E-02	-8.62E-02	-4.77E+00	-4.28E+00	-2.76E-03	-2.20E-01	-1.37E-02	-1.66E-02	-1.07E-02	-1.60E-02	-9.83E+00
291	370796	755497	Offsite Worker	6.92E-01	1.34E+00	-1.17E+00	3.27E+00	9.43E-01	-3.32E-01	4.06E-01	8.79E-02	-3.01E+00	-2.71E+00	-3.20E-03	-2.35E-01	-1.57E-02	-1.92E-02	-1.23E-02	-1.85E-02	-1.12E+01
292	370733	755428	Offsite Worker	-5.91E-01	7.02E-01	-1.85E+00	-3.17E-01	4.70E-01	-3.67E-01	2.19E-01	-1.98E-03	-3.59E+00	-3.19E+00	-3.05E-03	-2.27E-01	-1.52E-02	-1.83E-02	-1.17E-02	-1.77E-02	-1.07E+01
293	370634	755428	Offsite Worker	-1.19E+00	4.67E-01	-2.64E+00	-1.95E+00	2.81E-01	-4.06E-01	1.50E-01	-5.60E-02	-4.62E+00	-4.14E+00	-4.17E-03	-3.08E-01	-2.08E-02	-2.50E-02	-1.60E-02	-2.42E-02	-1.47E+01
294	370536	755428	Offsite Worker	2.31E+00	2.24E+00	-6.83E-01	7.88E+00	1.60E+00	-3.23E-01	6.73E-01	1.96E-01	-2.98E+00	-2.75E+00	-6.01E-03	-4.33E-01	-3.01E-02	-3.60E-02	-2.30E-02	-3.48E-02	-2.11E+01
295	370437	755428	Offsite Worker	4.56E+00	3.48E+00	3.40E-01	1.43E+01	2.53E+00	-3.07E-01	1.04E+00	3.60E-01	-2.37E+00	-2.27E+00	-5.66E-03	-4.05E-01	-2.82E-02	-3.40E-02	-2.16E-02	-3.28E-02	-1.98E+01
296	370338	755427	Offsite Worker	4.76E+00	3.66E+00	-4.54E-01	1.49E+01	2.63E+00	-3.30E-01	1.09E+00	3.46E-01	-3.74E+00	-3.57E+00	-5.27E-03	-3.80E-01	-2.62E-02	-3.16E-02	-2.02E-02	-3.06E-02	-1.85E+01
307	369249	755442	Offsite Worker	3.82E+00	3.26E+00	2.81E-01	1.25E+01	2.37E+00	-3.79E-01	9.78E-01	3.36E-01	-2.33E+00	-2.16E+00	-1.70E-03	-1.39E-01	-8.41E-03	-1.02E-02	-6.61E-03	-9.84E-03	-6.06E+00
308	369151	755442	Offsite Worker	3.69E+00	3.25E+00	7.45E-01	1.23E+01	2.38E+00	-4.02E-01	9.76E-01	3.53E-01	-1.65E+00	-1.48E+00	-1.02E-03	-8.87E-02	-4.82E-03	-6.14E-03	-4.02E-03	-5.94E-03	-3.69E+00

Table 3-3A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 3, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
309	369052	755442	Offsite Worker	3.78E+00	3.35E+00	4.22E-01	1.26E+01	2.44E+00	-4.17E-01	1.01E+00	3.51E-01	-2.24E+00	-2.04E+00	-8.55E-04	-7.39E-02	-3.97E-03	-5.13E-03	-3.36E-03	-4.96E-03	-3.08E+00
320	368035	755402	Offsite Worker	2.60E+00	2.30E+00	4.13E-01	8.77E+00	1.68E+00	-2.88E-01	6.92E-01	2.46E-01	-1.36E+00	-1.23E+00	-1.48E-03	-1.24E-01	-7.45E-03	-8.91E-03	-5.80E-03	-8.61E-03	-5.31E+00
321	367960	755389	Offsite Worker	2.33E+00	2.14E+00	1.50E-01	7.99E+00	1.56E+00	-2.85E-01	6.45E-01	2.19E-01	-1.65E+00	-1.49E+00	-1.56E-03	-1.29E-01	-7.87E-03	-9.38E-03	-6.10E-03	-9.07E-03	-5.59E+00
322	367863	755390	Offsite Worker	2.28E+00	2.16E+00	1.20E-01	7.93E+00	1.57E+00	-3.02E-01	6.51E-01	2.20E-01	-1.72E+00	-1.54E+00	-1.57E-03	-1.34E-01	-7.99E-03	-9.43E-03	-6.16E-03	-9.12E-03	-5.65E+00
323	367766	755392	Offsite Worker	2.27E+00	2.16E+00	3.23E-01	7.95E+00	1.58E+00	-3.04E-01	6.51E-01	2.28E-01	-1.41E+00	-1.25E+00	-1.36E-03	-1.21E-01	-6.93E-03	-8.15E-03	-5.36E-03	-7.88E-03	-4.91E+00
324	367669	755393	Offsite Worker	1.97E+00	2.03E+00	-7.76E-02	7.15E+00	1.47E+00	-3.17E-01	6.12E-01	1.99E-01	-1.94E+00	-1.73E+00	-1.05E-03	-9.75E-02	-5.31E-03	-6.27E-03	-4.16E-03	-6.06E-03	-3.81E+00
325	367572	755394	Offsite Worker	1.65E+00	1.83E+00	-4.09E-01	6.22E+00	1.32E+00	-3.11E-01	5.53E-01	1.66E-01	-2.28E+00	-2.05E+00	-8.61E-04	-8.10E-02	-4.32E-03	-5.17E-03	-3.43E-03	-5.00E-03	-3.14E+00
326	367475	755395	Offsite Worker	1.58E+00	1.75E+00	-5.36E-01	5.98E+00	1.26E+00	-2.97E-01	5.28E-01	1.53E-01	-2.40E+00	-2.17E+00	-8.79E-04	-8.08E-02	-4.39E-03	-5.27E-03	-3.48E-03	-5.10E-03	-3.19E+00
327	370400	756850	On-Site Occupational	-1.20E+00	4.11E+00	-2.31E+00	6.05E+00	2.96E+00	-1.69E+00	1.26E+00	3.25E-01	-7.40E+00	-6.13E+00	-2.54E-03	-3.71E-01	-1.35E-02	-1.53E-02	-1.11E-02	-1.48E-02	-1.01E+01
1	367379	755396	Recreational	1.52E+00	1.75E+00	-5.05E-01	5.88E+00	1.26E+00	-3.10E-01	5.29E-01	1.55E-01	-2.36E+00	-2.12E+00	-8.06E-04	-7.79E-02	-4.04E-03	-4.84E-03	-3.22E-03	-4.67E-03	-2.95E+00
2	367340	755485	Recreational	1.59E+00	1.80E+00	1.31E-01	6.23E+00	1.32E+00	-3.16E-01	5.45E-01	1.85E-01	-1.42E+00	-1.23E+00	-5.96E-04	-6.64E-02	-2.99E-03	-3.58E-03	-2.45E-03	-3.46E-03	-2.24E+00
3	367301	755573	Recreational	2.29E+00	2.08E+00	7.29E-02	8.15E+00	1.51E+00	-2.72E-01	6.26E-01	2.10E-01	-1.70E+00	-1.55E+00	-6.41E-04	-6.65E-02	-3.17E-03	-3.85E-03	-2.60E-03	-3.72E-03	-2.38E+00
4	367263	755661	Recreational	2.60E+00	2.21E+00	-3.00E-01	9.05E+00	1.59E+00	-2.53E-01	6.63E-01	2.08E-01	-2.36E+00	-2.20E+00	-8.81E-04	-7.79E-02	-4.33E-03	-5.29E-03	-3.47E-03	-5.11E-03	-3.18E+00
5	367224	755749	Recreational	1.77E+00	1.81E+00	-1.73E-01	6.92E+00	1.31E+00	-2.78E-01	5.44E-01	1.73E-01	-1.88E+00	-1.69E+00	-7.25E-04	-6.48E-02	-3.51E-03	-4.35E-03	-2.86E-03	-4.20E-03	-2.62E+00
6	367186	755838	Recreational	1.31E+00	1.53E+00	3.01E-01	5.72E+00	1.12E+00	-2.77E-01	4.64E-01	1.65E-01	-9.43E-01	-7.75E-01	-6.85E-04	-6.13E-02	-3.31E-03	-4.11E-03	-2.70E-03	-3.97E-03	-2.48E+00
7	367147	755926	Recreational	1.76E+00	1.80E+00	4.96E-01	7.06E+00	1.32E+00	-2.79E-01	5.42E-01	1.99E-01	-8.00E-01	-6.72E-01	-6.16E-04	-5.56E-02	-2.94E-03	-3.70E-03	-2.44E-03	-3.57E-03	-2.23E+00
8	367109	756014	Recreational	2.58E+00	2.22E+00	8.49E-01	9.33E+00	1.63E+00	-2.60E-01	6.65E-01	2.55E-01	-5.64E-01	-4.95E-01	-8.54E-04	-6.85E-02	-4.12E-03	-5.13E-03	-3.32E-03	-4.96E-03	-3.04E+00
9	367070	756103	Recreational	4.08E+00	2.94E+00	1.69E+00	1.34E+01	2.17E+00	-2.11E-01	8.77E-01	3.59E-01	1.75E-01	1.26E-01	-1.04E-03	-7.46E-02	-4.98E-03	-6.23E-03	-3.97E-03	-6.02E-03	-3.64E+00
10	367032	756191	Recreational	4.53E+00	3.22E+00	2.21E+00	1.46E+01	2.38E+00	-2.19E-01	9.61E-01	4.07E-01	7.28E-01	6.47E-01	-6.61E-04	-4.42E-02	-2.95E-03	-3.96E-03	-2.50E-03	-3.83E-03	-2.29E+00
11	366993	756279	Recreational	4.05E+00	2.98E+00	2.39E+00	1.32E+01	2.21E+00	-2.30E-01	8.90E-01	3.90E-01	1.17E+00	1.11E+00	-7.71E-04	-5.57E-02	-3.53E-03	-4.62E-03	-2.95E-03	-4.47E-03	-2.70E+00
12	366954	756367	Recreational	3.74E+00	2.79E+00	1.96E+00	1.21E+01	2.07E+00	-2.29E-01	8.36E-01	3.54E-01	6.10E-01	5.93E-01	-8.13E-04	-6.18E-02	-3.80E-03	-4.88E-03	-3.13E-03	-4.71E-03	-2.87E+00
13	366916	756456	Recreational	3.17E+00	2.43E+00	1.63E+00	1.04E+01	1.80E+00	-2.16E-01	7.29E-01	3.06E-01	3.87E-01	3.97E-01	-6.21E-04	-4.95E-02	-2.87E-03	-3.73E-03	-2.41E-03	-3.60E-03	-2.21E+00
14	366877	756544	Recreational	3.49E+00	2.62E+00	1.64E+00	1.12E+01	1.94E+00	-2.19E-01	7.85E-01	3.25E-01	2.59E-01	2.62E-01	-4.20E-04	-3.92E-02	-1.89E-03	-2.52E-03	-1.67E-03	-2.44E-03	-1.53E+00
15	366839	756632	Recreational	2.90E+00	2.30E+00	1.10E+00	9.49E+00	1.70E+00	-2.28E-01	6.91E-01	2.72E-01	-3.10E-01	-2.58E-01	-6.98E-04	-6.18E-02	-3.35E-03	-4.19E-03	-2.75E-03	-4.05E-03	-2.52E+00
16	366800	756720	Recreational	2.55E+00	2.13E+00	9.34E-01	8.48E+00	1.57E+00	-2.36E-01	6.40E-01	2.48E-01	-4.50E-01	-3.66E-01	-6.73E-04	-6.32E-02	-3.29E-03	-4.04E-03	-2.68E-03	-3.90E-03	-2.45E+00
17	366762	756809	Recreational	2.85E+00	2.24E+00	1.49E+00	9.30E+00	1.66E+00	-2.14E-01	6.72E-01	2.81E-01	3.25E-01	3.48E-01	-5.38E-04	-5.13E-02	-2.59E-03	-3.23E-03	-2.14E-03	-3.12E-03	-1.97E+00
18	366723	756897	Recreational	2.84E+00	2.27E+00	1.75E+00	9.32E+00	1.69E+00	-2.26E-01	6.80E-01	2.95E-01	7.47E-01	7.46E-01	-6.53E-04	-5.86E-02	-3.13E-03	-3.92E-03	-2.58E-03	-3.79E-03	-2.36E+00
19	366685	756985	Recreational	2.68E+00	2.20E+00	1.44E+00	8.84E+00	1.64E+00	-2.36E-01	6.62E-01	2.76E-01	2.80E-01	3.20E-01	-6.41E-04	-5.83E-02	-3.08E-03	-3.85E-03	-2.54E-03	-3.72E-03	-2.33E+00
20	366646	757074	Recreational	2.49E+00	2.07E+00	1.37E+00	8.24E+00	1.54E+00	-2.27E-01	6.23E-01	2.60E-01	2.59E-01	3.10E-01	-6.44E-04	-5.57E-02	-3.08E-03	-3.87E-03	-2.53E-03	-3.74E-03	-2.32E+00
21	366607	757162	Recreational	2.31E+00	1.86E+00	1.25E+00	7.54E+00	1.38E+00	-1.91E-01	5.60E-01	2.35E-01	2.82E-01	3.15E-01	-6.52E-04	-5.31E-02	-3.10E-03	-3.91E-03	-2.54E-03	-3.78E-03	-2.33E+00
22	366569	757250	Recreational	2.41E+00	1.82E+00	1.17E+00	7.68E+00	1.35E+00	-1.53E-01	5.44E-01	2.27E-01	2.35E-01	2.33E-01	-7.88E-04	-5.78E-02	-3.77E-03	-4.73E-03	-3.02E-03	-4.57E-03	-2.77E+00
23	366530	757338	Recreational	2.69E+00	2.00E+00	1.02E+00	8.45E+00	1.47E+00	-1.61E-01	5.98E-01	2.39E-01	-1.41E-01	-1.30E-01	-7.33E-04	-5.41E-02	-3.49E-03	-4.40E-03	-2.81E-03	-4.25E-03	-2.58E+00
24	366492	757427	Recreational	2.75E+00	2.08E+00	9.41E-01	8.68E+00	1.53E+00	-1.78E-01	6.24E-01	2.44E-01	-3.52E-01	-3.20E-01	-4.93E-04	-3.90E-02	-2.26E-03	-2.96E-03	-1.91E-03	-2.86E-03	-1.75E+00
25	366453	757515	Recreational	2.99E+00	2.22E+00	1.14E+00	9.37E+00	1.64E+00	-1.80E-01	6.65E-01	2.66E-01	-1.41E-01	-1.31E-01	-3.93E-04	-3.16E-02	-1.73E-03	-2.36E-03	-1.53E-03	-2.28E-03	-1.40E+00
26	366415	757603	Recreational	2.94E+00	2.18E+00	1.42E+00	9.23E+00	1.62E+00	-1.75E-01	6.53E-01	2.73E-01	3.11E-01	3.01E-01	-3.79E-04	-3.09E-02	-1.66E-03	-2.28E-03	-1.48E-03	-2.20E-03	-1.35E+00
27	366376	757692	Recreational	2.87E+00	2.16E+00	1.70E+00	9.08E+00	1.61E+00	-1.81E-01	6.46E-01	2.82E-01	7.65E-01	7.39E-01	-4.30E-04	-3.59E-02	-1.92E-03	-2.58E-03	-1.68E-03	-2.49E-03	-1.54E+00
84	369336	758100	Recreational	1.00E-01	8.49E-01	-7.56E-01	1.44E+00	6.02E-01	-2.79E-01	2.60E-01	5.56E-02	-1.97E+00	-1.73E+00	-1.75E-03	-1.30E-01	-8.72E-03	-1.05E-02	-6.73E-03	-1.02E-02	-6.17E+00
85	369269	758170	Recreational	8.31E-01	1.22E+00	-1.15E-01	3.50E+00	8.88E-01	-2.63E-01	3.71E-01	1.18E-01	-1.29E+00	-1.11E+00	-2.06E-03	-1.48E-01	-1.03E-02	-1.23E-02	-7.87E-03	-1.19E-02	-7.21E+00
86	369202	758239	Recreational	1.36E+00	1.54E+00	-9.33E-02	4.99E+00	1.11E+00	-2.67E-01	4.63E-01	1.50E-01	-1.51E+00	-1.33E+00	-2.12E-03	-1.53E-01	-1.06E-02	-1.27E-02	-8.11E-03	-1.23E-02	-7.44E+00
87	369264	758285	Recreational	3.04E-01	9.19E-01	-1.06E-01	1.98E+00	6.70E-01	-2.63E-01	2.80E-01	8.82E-02	-1.02E+00	-8.34E-01	-1.49E-03	-1.10E-01	-7.44E-03	-8.95E-03	-5.72E-03	-8.65E-03	-5.25E+00
88	369326	758330	Recreational	-2.34E-01	5.63E-01	-2.14E-01	3.78E-01	4.10E-01	-2.46E-01	1.74E-01	4.88E-02	-8.63E-01	-6.85E-01	-1.55E-03	-1.14E-01	-7.71E-03	-9.27E-03	-5.93E-03	-8.96E-03	-5.44E+00
89	369389	758376	Recreational	-7.73E-01	2.50E-01	-7.84E-01	-1.22E+00	1.68E-01	-2.44E-01	8.05E-02	-4.84E-03	-1.48E+00	-1.26E+00	-1.37E-03	-1.01E-01	-6.78E-03	-8.19E-03	-5.24E-03	-7.92E-03	-4.80E+00
90	369389	758462	Recreational	-1.06E+00	8.88E-02	-9.76E-01	-2.07E+00	4.80E-02	-2.46E-01	3.31E-02	-2.84E-02	-1.66E+00	-1.42E+00	-1.25E-03	-9.32E-02	-6.21E-03	-7.52E-03	-4.81E-03	-7.27E-03	-4.41E+00
91	369389	758548	Recreational	-1.35E+00	-6.74E-02	-1.10E+00	-2.89E+00	-6.72E-02	-2.48E-01	-1.29E-02	-4.88E-02	-1.74E+00	-1.47E+00	-1.30E-03	-9.72E-02	-6.45E-03	-7.79E-03	-4.99E-03	-7.53E-03	-4.57E+00
28	366338	757780	Residential	2.80E+00	2.10E+00	1.78E+00	8.84E+00	1.57E+00	-1.76E-01	6.30E-01	2.79E-01	9.12E-01	8.86E-01	-4.06E-04	-3.35E-02	-1.80E-03	-2.44E-03	-1.58E-03	-2.36E-03	-1.45E+00
29	366402	757746	Residential	2.87E+00	2.16E+00	1.82E+00	9.08E+00	1.61E+00	-1.81E-01	6.47E-01	2.86E-01	9.35E-01	9.07E-01	-4.16E-04	-3.44E-02	-1.84E-03	-2.50E-03	-1.62E-03	-2.41E-03	-1.49E+00
30	366467	757713	Residential	2.94E+00	2.21E+00	1.86E+00	9.30E+00	1.65E+00	-1.86E-01	6.62E-01	2.93E-01	9.53E-01	9.22E-01	-4.39E-04	-3.66E-02	-1.96E-03	-2.63E-03	-1.71E-03	-2.55E-03	-1.57E+00
31	366531	757679	Residential	3.00E+00	2.26E+00	1.88E+00	9.50E+00	1.68E+00	-1.90E-01	6.76E-01	2.99E-01	9.59E-01	9.26E-01	-4.55E-04	-3.83E-02	-2.04E-03	-2.73E-03	-1.78E-03	-2.64E-03	-1.63E+00
32	366567	757773	Residential	2.81E+00	2.14E+00	1.77E+00	8.92E+00	1.60E+00	-1.87E-01	6.41E-01	2.82E-01	8.60E-01	8.44E-01	-4.90E-04	-4.03E-02	-2.23E-03	-2.94E-03	-1.91E-03	-2.84E-03	-1.75E+00
33	366625	757758	Residential	2.85E+00	2.17E+00	1.79E+00	9.05E+00	1.62E+00	-1.90E-01	6.51E-01	2.86E-01	8.63E-01	8.48E-01	-5.01E-04	-4.12E-02	-2.29E-03	-3.01E-03	-1.95E-03	-2.91E-03	-1.79E+00
34	366682	757744	Residential	2.89E+00	2.21E+00	1.81E+00	9.18E+00	1.64E+00	-1.94E-01	6.61E-01	2.90E-01	8.61E-01	8.47E-01	-5.13E-04	-4.23E-02	-2.35E-03	-3.08E-03	-2.00E-03	-2.98E-03	-1.83E+00
35	366768	757788	Residential	2.95E+00	2.30E+00	1.54E+00	9.43E+00	1.71E+00	-2.15E-01	6.90E-01	2.90E-01	3.89E-01	3.97E-01	-5.67E-04	-4.92E-02	-2.64E-03	-3.40E-03	-2.23E-03	-3.29E-03	-2.04E+00
36	366854	757833	Residential	3.21E+00	2.47E+00	1.38E+00	1.02E+01	1.82E+00	-2.22E-01	7.40E-01	3.00E-01	-1.45E-02	1.06E-02	-7.35E-04	-6.13E-02	-3.50E-03	-4.41E-03	-2.87E-03	-4.26E-03	-2.63E+00
37	366941	757877	Residential	3.48E+00	2.59E+00	1.57E+00	1.09E+01	1.92E+00	-2.11E-01	7.77E-01	3.20E-01	1.80E-01	1.84E-01	-8.02E-04	-6.66E-02	-3.87E-03	-4.81E-03	-3.13E-03	-4.65E-03	-2.87E+00
38	367027	757922	Residential	3.62E+00	2.64E+00	1.69E+00	1.13E+01	1.95E+00	-1.99E-01	7.90E-01	3.29E-01	3.37E-01	3.22E-01	-8.21E-04	-6.83E-02	-3.99E-03	-4.92E-03	-3.20E-03	-4.76E-03	-2.94E+00
39	367113	757966	Residential	3.82E+00	2.71E+00	1.77E+00	1.18E+01	2.01E+00	-1.85E-01	8.12E-01	3.40E-01	4.21E-01	3.81E-01	-1.01E-03	-8.03E-02	-4.94E-03	-6.04E-03	-3.90E-03	-5.84E-03	-3.58E+00

Table 3-3A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 3, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
40	367192	757916	Residential	3.92E+00	2.80E+00	1.81E+00	1.21E+01	2.07E+00	-1.95E-01	8.38E-01	3.49E-01	3.93E-01	3.59E-01	-1.02E-03	-8.03E-02	-4.97E-03	-6.09E-03	-3.93E-03	-5.89E-03	-3.61E+00
41	367264	757916	Residential	4.09E+00	2.90E+00	1.73E+00	1.26E+01	2.14E+00	-1.97E-01	8.68E-01	3.57E-01	2.09E-01	1.73E-01	-1.09E-03	-8.58E-02	-5.35E-03	-6.53E-03	-4.22E-03	-6.31E-03	-3.87E+00
42	367335	757916	Residential	4.15E+00	2.94E+00	1.71E+00	1.28E+01	2.17E+00	-2.00E-01	8.80E-01	3.60E-01	1.53E-01	1.17E-01	-1.12E-03	-8.84E-02	-5.51E-03	-6.72E-03	-4.34E-03	-6.49E-03	-3.98E+00
43	367343	757966	Residential	4.01E+00	2.87E+00	1.73E+00	1.24E+01	2.12E+00	-2.02E-01	8.59E-01	3.54E-01	2.50E-01	2.11E-01	-1.04E-03	-8.55E-02	-5.11E-03	-6.22E-03	-4.04E-03	-6.01E-03	-3.71E+00
44	367404	757995	Residential	3.83E+00	2.81E+00	1.66E+00	1.19E+01	2.07E+00	-2.15E-01	8.39E-01	3.45E-01	1.93E-01	1.70E-01	-1.07E-03	-8.81E-02	-5.28E-03	-6.43E-03	-4.18E-03	-6.22E-03	-3.83E+00
45	367465	758024	Residential	3.80E+00	2.84E+00	1.43E+00	1.19E+01	2.09E+00	-2.33E-01	8.49E-01	3.38E-01	-2.20E-01	-2.07E-01	-1.13E-03	-9.25E-02	-5.55E-03	-6.77E-03	-4.40E-03	-6.55E-03	-4.03E+00
55	367673	758189	Residential	8.09E+00	5.33E+00	2.93E+00	2.43E+01	3.92E+00	-2.45E-01	1.59E+00	6.45E-01	1.05E-01	-5.44E-02	-1.05E-03	-8.58E-02	-4.99E-03	-6.32E-03	-4.10E-03	-6.11E-03	-3.76E+00
59	367816	758096	Residential	8.97E+00	5.87E+00	3.21E+00	2.69E+01	4.32E+00	-2.55E-01	1.75E+00	7.09E-01	8.50E-02	-9.80E-02	-1.14E-03	-9.29E-02	-5.37E-03	-6.82E-03	-4.42E-03	-6.59E-03	-4.06E+00
60	367898	758066	Residential	9.42E+00	6.17E+00	3.34E+00	2.82E+01	4.54E+00	-2.73E-01	1.84E+00	7.45E-01	4.60E-02	-1.44E-01	-1.13E-03	-9.43E-02	-5.32E-03	-6.79E-03	-4.42E-03	-6.57E-03	-4.05E+00
61	367980	758035	Residential	9.72E+00	6.40E+00	3.43E+00	2.92E+01	4.70E+00	-2.91E-01	1.91E+00	7.71E-01	1.23E-02	-1.80E-01	-1.14E-03	-9.65E-02	-5.36E-03	-6.84E-03	-4.46E-03	-6.61E-03	-4.09E+00
62	368062	758005	Residential	9.91E+00	6.56E+00	3.46E+00	2.98E+01	4.82E+00	-3.09E-01	1.95E+00	7.88E-01	-7.24E-02	-2.60E-01	-1.24E-03	-1.04E-01	-5.84E-03	-7.42E-03	-4.83E-03	-7.17E-03	-4.43E+00
63	368144	757975	Residential	1.00E+01	6.66E+00	3.38E+00	3.01E+01	4.89E+00	-3.26E-01	1.99E+00	7.95E-01	-2.84E-01	-4.60E-01	-1.31E-03	-1.10E-01	-6.22E-03	-7.85E-03	-5.11E-03	-7.59E-03	-4.69E+00
64	368226	757945	Residential	9.88E+00	6.64E+00	3.26E+00	2.99E+01	4.88E+00	-3.45E-01	1.98E+00	7.88E-01	-4.61E-01	-6.15E-01	-1.34E-03	-1.15E-01	-6.43E-03	-8.06E-03	-5.26E-03	-7.79E-03	-4.82E+00
65	368301	757943	Residential	8.90E+00	6.14E+00	2.87E+00	2.71E+01	4.51E+00	-3.67E-01	1.83E+00	7.23E-01	-6.65E-01	-7.57E-01	-1.20E-03	-1.07E-01	-5.79E-03	-7.18E-03	-4.72E-03	-6.94E-03	-4.33E+00
66	368376	757941	Residential	7.31E+00	5.26E+00	2.51E+00	2.26E+01	3.87E+00	-3.77E-01	1.57E+00	6.22E-01	-5.35E-01	-5.64E-01	-1.12E-03	-1.04E-01	-5.51E-03	-6.69E-03	-4.44E-03	-6.47E-03	-4.07E+00
67	368452	757940	Residential	9.01E+00	6.18E+00	3.62E+00	2.75E+01	4.55E+00	-3.57E-01	1.84E+00	7.56E-01	4.66E-01	3.12E-01	-7.11E-04	-7.52E-02	-3.41E-03	-4.27E-03	-2.89E-03	-4.12E-03	-2.65E+00
68	368527	757938	Residential	8.76E+00	6.10E+00	3.33E+00	2.68E+01	4.49E+00	-3.80E-01	1.82E+00	7.37E-01	4.79E-02	-6.08E-02	-5.16E-04	-6.01E-02	-2.37E-03	-3.09E-03	-2.14E-03	-2.99E-03	-1.96E+00
69	368563	757880	Residential	9.61E+00	6.61E+00	3.80E+00	2.93E+01	4.87E+00	-3.87E-01	1.97E+00	8.06E-01	3.70E-01	2.16E-01	-4.44E-04	-5.66E-02	-1.98E-03	-2.67E-03	-1.87E-03	-2.58E-03	-1.72E+00
70	368636	757926	Residential	6.93E+00	5.07E+00	1.82E+00	2.15E+01	3.71E+00	-3.85E-01	1.51E+00	5.75E-01	-1.46E+00	-1.43E+00	-1.05E-03	-9.00E-02	-5.06E-03	-6.31E-03	-4.12E-03	-6.10E-03	-3.78E+00
71	368709	757971	Residential	2.68E+00	2.56E+00	-1.74E+00	8.97E+00	1.81E+00	-3.63E-01	7.72E-01	1.87E-01	-4.96E+00	-4.60E+00	-3.31E-03	-2.48E-01	-1.68E-02	-1.99E-02	-1.27E-02	-1.92E-02	-1.17E+01
72	368782	758017	Residential	9.61E-01	1.58E+00	-2.83E+00	3.96E+00	1.07E+00	-3.62E-01	4.78E-01	4.56E-02	-5.84E+00	-5.38E+00	-3.55E-03	-2.62E-01	-1.79E-02	-2.13E-02	-1.36E-02	-2.06E-02	-1.25E+01
73	368855	758062	Residential	1.58E+00	1.86E+00	-4.38E-01	5.87E+00	1.34E+00	-3.39E-01	5.62E-01	1.69E-01	-2.33E+00	-2.09E+00	-1.75E-03	-1.33E-01	-8.70E-03	-1.05E-02	-6.76E-03	-1.02E-02	-6.20E+00
74	368928	758108	Residential	2.62E+00	2.37E+00	1.70E-01	8.78E+00	1.72E+00	-3.08E-01	7.13E-01	2.43E-01	-1.76E+00	-1.61E+00	-1.07E-03	-9.24E-02	-5.27E-03	-6.39E-03	-4.18E-03	-6.18E-03	-3.84E+00
75	369001	758153	Residential	3.31E+00	2.70E+00	9.29E-01	1.07E+01	1.98E+00	-2.83E-01	8.09E-01	3.06E-01	-8.49E-01	-7.78E-01	-1.18E-03	-9.58E-02	-5.81E-03	-7.09E-03	-4.60E-03	-6.86E-03	-4.21E+00
76	369058	758074	Residential	3.33E+00	2.76E+00	9.77E-01	1.09E+01	2.03E+00	-3.01E-01	8.28E-01	3.14E-01	-8.41E-01	-7.57E-01	-1.22E-03	-1.00E-01	-5.98E-03	-7.29E-03	-4.74E-03	-7.05E-03	-4.34E+00
77	369102	758103	Residential	3.09E+00	2.64E+00	4.28E-01	1.01E+01	1.92E+00	-3.04E-01	7.91E-01	2.80E-01	-1.59E+00	-1.46E+00	-1.38E-03	-1.08E-01	-6.83E-03	-8.26E-03	-5.33E-03	-7.99E-03	-4.89E+00
78	369145	758132	Residential	2.72E+00	2.41E+00	-2.74E-01	8.99E+00	1.74E+00	-3.02E-01	7.24E-01	2.30E-01	-2.49E+00	-2.31E+00	-2.08E-03	-1.58E-01	-1.05E-02	-1.25E-02	-8.00E-03	-1.21E-02	-7.34E+00
79	369200	758065	Residential	1.91E+00	1.99E+00	-2.30E-01	6.77E+00	1.44E+00	-3.19E-01	6.01E-01	1.90E-01	-2.11E+00	-1.90E+00	-2.34E-03	-1.76E-01	-1.18E-02	-1.40E-02	-8.99E-03	-1.36E-02	-8.24E+00
80	369255	757998	Residential	1.05E+00	1.57E+00	-4.19E-01	4.43E+00	1.13E+00	-3.41E-01	4.75E-01	1.40E-01	-2.09E+00	-1.83E+00	-2.60E-03	-1.93E-01	-1.31E-02	-1.56E-02	-9.97E-03	-1.51E-02	-9.15E+00
81	369310	757931	Residential	9.10E-01	1.51E+00	-1.15E+00	4.03E+00	1.07E+00	-3.50E-01	4.59E-01	1.06E-01	-3.16E+00	-2.85E+00	-2.73E-03	-2.04E-01	-1.37E-02	-1.64E-02	-1.05E-02	-1.58E-02	-9.63E+00
82	369356	757981	Residential	5.88E-01	1.14E+00	-1.18E+00	2.84E+00	7.99E-01	-2.84E-01	3.46E-01	6.78E-02	-2.85E+00	-2.59E+00	-2.33E-03	-1.70E-01	-1.16E-02	-1.40E-02	-8.92E-03	-1.35E-02	-8.18E+00
83	369403	758031	Residential	-3.29E-01	5.66E-01	-2.88E-01	2.43E-01	4.11E-01	-2.66E-01	1.76E-01	4.61E-02	-1.01E+00	-8.04E-01	-2.14E-03	-1.60E-01	-1.07E-02	-1.29E-02	-8.24E-03	-1.24E-02	-7.55E+00
92	369389	758634	Residential	-1.45E+00	-1.35E-01	-1.32E+00	-3.24E+00	-1.22E-01	-2.46E-01	-3.28E-02	-6.42E-02	-2.04E+00	-1.75E+00	-1.49E-03	-1.11E-01	-7.42E-03	-8.92E-03	-5.71E-03	-8.62E-03	-5.24E+00
93	369469	758630	Residential	-2.55E+00	-6.65E-01	-2.78E+00	-6.37E+00	-5.41E-01	-2.81E-01	-1.89E-01	-1.74E-01	-3.89E+00	-3.46E+00	-3.24E-03	-2.35E-01	-1.64E-02	-1.94E-02	-1.24E-02	-1.88E-02	-1.14E+01
94	369549	758625	Residential	-1.61E+00	-1.20E-01	-2.99E+00	-3.71E+00	-1.56E-01	-2.84E-01	-2.73E-02	-1.29E-01	-4.66E+00	-4.22E+00	-3.64E-03	-2.63E-01	-1.84E-02	-2.18E-02	-1.39E-02	-2.11E-02	-1.28E+01
95	369630	758621	Residential	1.28E-01	8.49E-01	-1.74E+00	1.31E+00	5.74E-01	-2.74E-01	2.60E-01	1.64E-02	-3.51E+00	-3.19E+00	-2.27E-03	-1.67E-01	-1.14E-02	-1.36E-02	-8.70E-03	-1.32E-02	-7.98E+00
96	369710	758617	Residential	1.48E+00	1.52E+00	-1.15E-01	5.19E+00	1.10E+00	-2.35E-01	4.57E-01	1.47E-01	-1.50E+00	-1.35E+00	-1.73E-03	-1.31E-01	-8.69E-03	-1.04E-02	-6.66E-03	-1.00E-02	-6.11E+00
97	369791	758613	Residential	1.74E+00	1.59E+00	2.83E-01	5.87E+00	1.16E+00	-2.10E-01	4.77E-01	1.70E-01	-8.98E-01	-8.14E-01	-2.34E-03	-1.74E-01	-1.18E-02	-1.41E-02	-9.00E-03	-1.36E-02	-8.26E+00
98	369791	758514	Residential	1.74E+00	1.60E+00	4.37E-01	5.90E+00	1.17E+00	-2.13E-01	4.80E-01	1.77E-01	-6.93E-01	-6.10E-01	-2.22E-03	-1.67E-01	-1.12E-02	-1.33E-02	-8.55E-03	-1.29E-02	-7.84E+00
99	369791	758416	Residential	2.13E+00	1.82E+00	1.11E+00	7.08E+00	1.34E+00	-2.10E-01	5.44E-01	2.25E-01	1.83E-01	2.08E-01	-2.01E-03	-1.50E-01	-1.01E-02	-1.20E-02	-7.71E-03	-1.16E-02	-7.07E+00
100	369791	758318	Residential	2.89E+00	2.23E+00	1.67E+00	9.29E+00	1.66E+00	-2.01E-01	6.66E-01	2.88E-01	7.34E-01	6.93E-01	-1.87E-03	-1.41E-01	-9.44E-03	-1.12E-02	-7.18E-03	-1.08E-02	-6.59E+00
101	369881	758318	Residential	2.10E+00	1.87E+00	1.61E+00	7.17E+00	1.40E+00	-2.36E-01	5.62E-01	2.50E-01	8.98E-01	9.06E-01	-2.34E-03	-1.73E-01	-1.18E-02	-1.40E-02	-8.96E-03	-1.35E-02	-8.22E+00
102	369972	758318	Residential	3.55E-01	1.04E+00	-1.15E+00	2.17E+00	7.31E-01	-2.96E-01	3.18E-01	5.96E-02	-2.71E+00	-2.44E+00	-2.69E-03	-2.00E-01	-1.37E-02	-1.62E-02	-1.03E-02	-1.56E-02	-9.48E+00
103	370062	758318	Residential	1.27E+00	1.63E+00	-1.53E+00	4.82E+00	1.14E+00	-3.17E-01	4.90E-01	1.02E-01	-3.75E+00	-3.46E+00	-2.01E-03	-1.48E-01	-1.01E-02	-1.20E-02	-7.70E-03	-1.16E-02	-7.06E+00
104	370153	758318	Residential	1.29E+00	1.64E+00	-1.81E+00	4.85E+00	1.14E+00	-3.19E-01	4.95E-01	9.28E-02	-4.21E+00	-3.90E+00	-1.91E-03	-1.38E-01	-9.55E-03	-1.14E-02	-7.29E-03	-1.11E-02	-6.69E+00
105	370243	758318	Residential	9.08E-01	1.52E+00	-2.18E+00	3.87E+00	1.04E+00	-3.52E-01	4.59E-01	6.64E-02	-4.66E+00	-4.30E+00	-2.61E-03	-1.92E-01	-1.32E-02	-1.57E-02	-1.00E-02	-1.52E-02	-9.19E+00
111	370408	758347	Residential	-1.19E-01	1.01E+00	-3.29E+00	9.31E-01	6.51E-01	-3.81E-01	3.10E-01	-2.80E-02	-6.03E+00	-5.54E+00	-3.77E-03	-2.76E-01	-1.91E-02	-2.26E-02	-1.44E-02	-2.19E-02	-1.32E+01
112	370490	758344	Residential	-1.07E+00	5.33E-01	-3.39E+00	-1.69E+00	3.08E-01	-4.05E-01	1.70E-01	-7.93E-02	-5.85E+00	-5.31E+00	-3.17E-03	-2.29E-01	-1.61E-02	-1.90E-02	-1.21E-02	-1.84E-02	-1.11E+01
113	370572	758341	Residential	-8.86E-01	7.11E-01	-3.60E+00	-1.08E+00	4.30E-01	-4.31E-01	2.23E-01	-6.96E-02	-6.30E+00	-5.73E+00	-2.70E-03	-1.95E-01	-1.37E-02	-1.62E-02	-1.03E-02	-1.57E-02	-9.47E+00
114	370654	758338	Residential	-5.63E-01	1.03E+00	-2.88E+00	9.32E-02	6.83E-01	-4.78E-01	3.19E-01	-9.36E-03	-5.48E+00	-4.94E+00	-2.44E-03	-1.91E-01	-1.23E-02	-1.46E-02	-9.42E-03	-1.41E-02	-8.64E+00
115	370735	758335	Residential	3.49E-01	1.31E+00	-2.11E+00	2.43E+00	9.03E-01	-3.93E-01	4.01E-01	4.83E-02	-4.50E+00	-4.08E+00	-2.17E-03	-1.62E-01	-1.09E-02	-1.30E-02	-8.33E-03	-1.26E-02	-7.64E+00
116	370817	758333	Residential	7.54E-01	1.44E+00	-9.50E-01	3.58E+00	1.02E+00	-3.56E-01	4.37E-01	1.07E-01	-2.75E+00	-2.46E+00	-1.31E-03	-9.45E-02	-6.45E-03	-7.85E-03	-5.00E-03	-7.58E-03	-4.59E+00
130	371183	758027	Residential	2.48E+00	2.42E+00	1.03E+00	8.83E+00	1.78E+00	-3.52E-01	7.27E-01	2.83E-01	-4.40E-01	-3.39E-01	-1.30E-03	-7.56E-02	-6.02E-03	-7.80E-03	-4.84E-03	-7.54E-03	-4.44E+00
131	371248	758024	Residential	2.49E+00	2.49E+00	6.31E-01	8.97E+00	1.82E+00	-3.75E-01	7.48E-01	2.75E-01	-1.06E+00	-9.40E-01	-1.47E-03	-9.07E-02	-6.94E-03	-8.80E-03	-5.50E-03	-8.51E-03	-5.05E+00
132	371326	758075	Residential	2.02E+00	2.20E+00	1.64E-01	7.51E+00	1.60E+00	-3.68E-01	6.61E-01	2.27E-01	-1.56E+00	-1.39E+00	-1.66E-03	-1.07E-01	-8.03E-03	-9.97E-03	-6.27E-03	-9.64E-03	-5.75E+00
133	371404	758127	Residential	1.15E+00	1.70E+00	-3.88E-01	4.96E+00	1.23E+00	-3.67E-01	5.13E-01	1.55E-01	-2.02E+00	-1.80E+00	-1.72E-03	-1.09E-01	-8.41E-03	-1.03E-02	-6.47E-03	-9.98E-03	-5.94E+00

Table 3-3A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 3, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
134	371481	758178	Residential	4.26E-01	1.28E+00	-1.02E+00	2.79E+00	9.04E-01	-3.64E-01	3.88E-01	8.82E-02	-2.69E+00	-2.40E+00	-1.59E-03	-1.00E-01	-7.78E-03	-9.55E-03	-5.98E-03	-9.23E-03	-5.49E+00
135	371559	758230	Residential	4.30E-01	1.27E+00	-8.46E-01	2.79E+00	9.07E-01	-3.62E-01	3.87E-01	9.48E-02	-2.42E+00	-2.14E+00	-1.56E-03	-9.59E-02	-7.58E-03	-9.33E-03	-5.83E-03	-9.02E-03	-5.35E+00
136	371637	758281	Residential	5.31E-01	1.32E+00	-5.79E-01	3.06E+00	9.47E-01	-3.58E-01	4.00E-01	1.10E-01	-2.05E+00	-1.79E+00	-1.50E-03	-9.25E-02	-7.30E-03	-8.99E-03	-5.62E-03	-8.69E-03	-5.16E+00
137	371715	758333	Residential	6.32E-01	1.36E+00	-3.35E-01	3.33E+00	9.83E-01	-3.52E-01	4.12E-01	1.24E-01	-1.71E+00	-1.47E+00	-1.40E-03	-9.09E-02	-6.82E-03	-8.38E-03	-5.27E-03	-8.10E-03	-4.84E+00
138	371769	758261	Residential	1.19E+00	1.71E+00	2.48E-01	5.08E+00	1.25E+00	-3.62E-01	5.16E-01	1.82E-01	-1.05E+00	-8.76E-01	-1.30E-03	-9.20E-02	-6.38E-03	-7.78E-03	-4.95E-03	-7.52E-03	-4.54E+00
139	371822	758189	Residential	7.68E-01	1.85E+00	-1.84E-02	4.49E+00	1.35E+00	-4.97E-01	5.60E-01	1.86E-01	-1.54E+00	-1.28E+00	-9.22E-04	-7.54E-02	-4.51E-03	-5.53E-03	-3.59E-03	-5.34E-03	-3.29E+00
140	371894	758160	Residential	-1.48E-01	1.82E+00	-7.80E-01	2.61E+00	1.31E+00	-6.70E-01	5.53E-01	1.54E-01	-2.66E+00	-2.25E+00	-9.86E-04	-1.09E-01	-5.06E-03	-5.92E-03	-4.04E-03	-5.72E-03	-3.70E+00
141	371894	758081	Residential	-8.00E-01	1.68E+00	-1.58E+00	1.15E+00	1.19E+00	-7.54E-01	5.15E-01	1.10E-01	-3.83E+00	-3.30E+00	-1.08E-03	-1.26E-01	-5.61E-03	-6.48E-03	-4.47E-03	-6.26E-03	-4.10E+00
142	371959	758074	Residential	-8.47E-01	1.51E+00	-1.45E+00	6.90E-01	1.07E+00	-7.03E-01	4.64E-01	9.71E-02	-3.53E+00	-3.01E+00	-1.17E-03	-1.14E-01	-5.93E-03	-7.02E-03	-4.69E-03	-6.78E-03	-4.29E+00
155	372055	757363	Residential	-1.38E-01	1.56E+00	-5.11E-01	2.29E+00	1.13E+00	-5.78E-01	4.78E-01	1.38E-01	-2.23E+00	-1.82E+00	-3.74E-04	-3.98E-02	-1.56E-03	-2.25E-03	-1.52E-03	-2.17E-03	-1.40E+00
297	370239	755427	Residential	4.70E+00	3.63E+00	-1.05E+00	1.46E+01	2.59E+00	-3.30E-01	1.08E+00	3.19E-01	-4.67E+00	-4.44E+00	-4.46E-03	-3.25E-01	-2.21E-02	-2.68E-02	-1.71E-02	-2.59E-02	-1.57E+01
298	370138	755427	Residential	4.86E+00	3.53E+00	7.50E-01	1.50E+01	2.56E+00	-2.60E-01	1.05E+00	3.80E-01	-1.76E+00	-1.72E+00	-4.17E-03	-3.00E-01	-2.04E-02	-2.50E-02	-1.59E-02	-2.42E-02	-1.46E+01
299	370040	755427	Residential	2.53E+00	2.32E+00	-1.31E-01	8.50E+00	1.68E+00	-3.08E-01	6.98E-01	2.26E-01	-2.22E+00	-2.03E+00	-2.05E-03	-1.51E-01	-9.60E-03	-1.23E-02	-7.87E-03	-1.19E-02	-7.22E+00
300	369941	755426	Residential	4.27E+00	3.13E+00	3.70E+00	1.36E+01	2.37E+00	-2.40E-01	9.37E-01	4.57E-01	3.05E+00	2.89E+00	-1.54E-03	-1.11E-01	-7.06E-03	-9.23E-03	-5.88E-03	-8.92E-03	-5.39E+00
301	369842	755426	Residential	5.91E+00	4.19E+00	2.11E+00	1.83E+01	3.08E+00	-2.83E-01	1.25E+00	5.00E-01	-2.24E-01	-2.78E-01	-1.67E-03	-1.29E-01	-7.93E-03	-1.00E-02	-6.44E-03	-9.68E-03	-5.91E+00
304	369544	755434	Residential	3.59E+00	3.10E+00	-1.04E+00	1.17E+01	2.21E+00	-3.67E-01	9.29E-01	2.67E-01	-4.25E+00	-3.98E+00	-2.95E-03	-2.27E-01	-1.47E-02	-1.77E-02	-1.14E-02	-1.71E-02	-1.04E+01
305	369445	755434	Residential	5.92E+00	4.34E+00	1.01E+00	1.84E+01	3.16E+00	-3.34E-01	1.30E+00	4.71E-01	-2.10E+00	-2.03E+00	-2.67E-03	-2.11E-01	-1.34E-02	-1.60E-02	-1.03E-02	-1.55E-02	-9.48E+00
306	369346	755434	Residential	2.68E+00	2.49E+00	-3.83E-01	9.03E+00	1.80E+00	-3.39E-01	7.50E-01	2.33E-01	-2.80E+00	-2.56E+00	-2.87E-03	-2.23E-01	-1.44E-02	-1.72E-02	-1.11E-02	-1.66E-02	-1.02E+01
310	368953	755441	Residential	3.45E+00	3.19E+00	2.03E-01	1.16E+01	2.31E+00	-4.26E-01	9.58E-01	3.26E-01	-2.45E+00	-2.22E+00	-1.38E-03	-1.14E-01	-6.84E-03	-8.31E-03	-5.39E-03	-8.03E-03	-4.94E+00
311	368854	755441	Residential	3.20E+00	2.94E+00	-7.70E-01	1.07E+01	2.11E+00	-3.92E-01	8.84E-01	2.63E-01	-3.73E+00	-3.45E+00	-2.16E-03	-1.67E-01	-1.09E-02	-1.29E-02	-8.34E-03	-1.25E-02	-7.64E+00
312	368755	755441	Residential	3.49E+00	2.95E+00	-3.80E-01	1.14E+01	2.12E+00	-3.34E-01	8.83E-01	2.79E-01	-3.08E+00	-2.89E+00	-2.22E-03	-1.69E-01	-1.12E-02	-1.33E-02	-8.57E-03	-1.29E-02	-7.86E+00
313	368657	755441	Residential	3.33E+00	2.79E+00	3.87E-01	1.09E+01	2.03E+00	-3.12E-01	8.36E-01	2.93E-01	-1.77E+00	-1.64E+00	-1.57E-03	-1.23E-01	-7.79E-03	-9.39E-03	-6.06E-03	-9.08E-03	-5.56E+00
314	368558	755440	Residential	3.75E+00	2.97E+00	1.11E+00	1.21E+01	2.18E+00	-2.91E-01	8.91E-01	3.40E-01	-8.00E-01	-7.42E-01	-1.20E-03	-9.88E-02	-5.92E-03	-7.21E-03	-4.68E-03	-6.97E-03	-4.29E+00
315	368459	755440	Residential	3.97E+00	3.08E+00	2.00E+00	1.28E+01	2.28E+00	-2.86E-01	9.23E-01	3.86E-01	4.87E-01	4.78E-01	-8.33E-04	-7.40E-02	-4.02E-03	-5.00E-03	-3.29E-03	-4.83E-03	-3.01E+00
316	368360	755440	Residential	4.02E+00	3.08E+00	2.02E+00	1.29E+01	2.28E+00	-2.74E-01	9.22E-01	3.86E-01	5.16E-01	4.99E-01	-4.99E-04	-4.98E-02	-2.29E-03	-2.99E-03	-2.01E-03	-2.89E-03	-1.84E+00
317	368262	755439	Residential	3.66E+00	2.89E+00	1.55E+00	1.19E+01	2.13E+00	-2.78E-01	8.65E-01	3.49E-01	-5.17E-02	-2.71E-02	-9.23E-04	-8.23E-02	-4.49E-03	-5.54E-03	-3.64E-03	-5.36E-03	-3.34E+00
318	368186	755427	Residential	3.27E+00	2.68E+00	1.13E+00	1.07E+01	1.97E+00	-2.86E-01	8.04E-01	3.12E-01	-5.41E-01	-4.74E-01	-1.15E-03	-9.97E-02	-5.70E-03	-6.92E-03	-4.53E-03	-6.69E-03	-4.15E+00
319	368111	755414	Residential	2.92E+00	2.49E+00	7.59E-01	9.72E+00	1.82E+00	-2.89E-01	7.47E-01	2.78E-01	-9.70E-01	-8.67E-01	-1.34E-03	-1.13E-01	-6.66E-03	-8.01E-03	-5.23E-03	-7.74E-03	-4.79E+00
46	367504	757948	School	4.08E+00	2.98E+00	1.77E+00	1.27E+01	2.20E+00	-2.24E-01	8.89E-01	3.66E-01	2.24E-01	1.94E-01	-1.10E-03	-9.01E-02	-5.39E-03	-6.57E-03	-4.27E-03	-6.35E-03	-3.91E+00
47	367544	757873	School	4.28E+00	3.10E+00	1.69E+00	1.33E+01	2.29E+00	-2.30E-01	9.28E-01	3.75E-01	-1.06E-02	-2.96E-02	-1.15E-03	-9.30E-02	-5.67E-03	-6.89E-03	-4.46E-03	-6.66E-03	-4.09E+00
48	367587	757909	School	4.30E+00	3.13E+00	1.79E+00	1.34E+01	2.31E+00	-2.35E-01	9.35E-01	3.82E-01	1.27E-01	9.87E-02	-1.16E-03	-9.44E-02	-5.71E-03	-6.95E-03	-4.51E-03	-6.72E-03	-4.13E+00
49	367623	757866	School	4.25E+00	3.13E+00	1.68E+00	1.33E+01	2.31E+00	-2.43E-01	9.35E-01	3.77E-01	-6.20E-02	-7.16E-02	-1.20E-03	-9.77E-02	-5.95E-03	-7.21E-03	-4.68E-03	-6.97E-03	-4.29E+00
50	367694	757866	School	4.73E+00	3.44E+00	1.71E+00	1.47E+01	2.53E+00	-2.57E-01	1.03E+00	4.09E-01	-2.56E-01	-2.67E-01	-1.23E-03	-9.93E-02	-6.04E-03	-7.36E-03	-4.77E-03	-7.12E-03	-4.37E+00
51	367716	757927	School	6.51E+00	4.47E+00	2.38E+00	1.98E+01	3.29E+00	-2.60E-01	1.33E+00	5.38E-01	-7.46E-02	-1.55E-01	-1.29E-03	-1.07E-01	-6.34E-03	-7.75E-03	-5.04E-03	-7.49E-03	-4.62E+00
52	367737	757988	School	7.49E+00	5.02E+00	2.87E+00	2.26E+01	3.70E+00	-2.55E-01	1.50E+00	6.11E-01	2.26E-01	9.79E-02	-1.33E-03	-1.09E-01	-6.51E-03	-7.99E-03	-5.19E-03	-7.72E-03	-4.75E+00
53	367727	758067	School	7.89E+00	5.21E+00	3.01E+00	2.37E+01	3.84E+00	-2.43E-01	1.55E+00	6.36E-01	2.95E-01	1.42E-01	-1.21E-03	-9.83E-02	-5.82E-03	-7.24E-03	-4.70E-03	-7.00E-03	-4.31E+00
54	367716	758146	School	8.27E+00	5.42E+00	3.01E+00	2.48E+01	3.99E+00	-2.41E-01	1.62E+00	6.57E-01	1.51E-01	-1.65E-02	-1.12E-03	-9.00E-02	-5.30E-03	-6.70E-03	-4.34E-03	-6.47E-03	-3.98E+00
56	367723	758254	School	8.50E+00	5.66E+00	3.21E+00	2.56E+01	4.17E+00	-2.79E-01	1.69E+00	6.89E-01	2.79E-01	1.07E-01	-8.78E-04	-7.56E-02	-4.09E-03	-5.27E-03	-3.45E-03	-5.09E-03	-3.16E+00
57	367784	758221	School	8.70E+00	5.80E+00	3.24E+00	2.62E+01	4.27E+00	-2.86E-01	1.73E+00	7.03E-01	2.19E-01	4.48E-02	-9.28E-04	-7.92E-02	-4.33E-03	-5.57E-03	-3.64E-03	-5.38E-03	-3.33E+00
58	367845	758189	School	8.89E+00	5.92E+00	3.24E+00	2.68E+01	4.36E+00	-2.92E-01	1.77E+00	7.16E-01	1.13E-01	-6.01E-02	-9.75E-04	-8.28E-02	-4.56E-03	-5.85E-03	-3.82E-03	-5.65E-03	-3.50E+00
106	370247	758254	School	9.00E-01	1.54E+00	-2.31E+00	3.88E+00	1.06E+00	-3.62E-01	4.66E-01	6.34E-02	-4.89E+00	-4.52E+00	-2.88E-03	-2.11E-01	-1.45E-02	-1.73E-02	-1.10E-02	-1.67E-02	-1.01E+01
107	370250	758189	School	7.36E-01	1.51E+00	-2.63E+00	3.48E+00	1.02E+00	-3.83E-01	4.56E-01	4.75E-02	-5.36E+00	-4.95E+00	-3.19E-03	-2.33E-01	-1.61E-02	-1.91E-02	-1.22E-02	-1.85E-02	-1.12E+01
108	370308	758196	School	6.54E-01	1.43E+00	-2.32E+00	3.24E+00	9.77E-01	-3.72E-01	4.33E-01	5.19E-02	-4.82E+00	-4.44E+00	-4.05E-03	-2.92E-01	-2.05E-02	-2.43E-02	-1.55E-02	-2.35E-02	-1.42E+01
109	370361	758236	School	1.03E-01	1.10E+00	-3.03E+00	1.56E+00	7.23E-01	-3.68E-01	3.36E-01	-8.67E-03	-5.68E+00	-5.23E+00	-4.25E-03	-3.03E-01	-2.15E-02	-2.55E-02	-1.62E-02	-2.47E-02	-1.49E+01
110	370415	758275	School	-2.93E-01	9.69E-01	-3.61E+00	5.02E-01	6.14E-01	-4.02E-01	2.98E-01	-4.45E-02	-6.49E+00	-5.96E+00	-3.84E-03	-2.79E-01	-1.95E-02	-2.31E-02	-1.47E-02	-2.23E-02	-1.35E+01
302	369741	755435	School	4.99E+00	3.86E+00	-1.58E+00	1.55E+01	2.75E+00	-3.55E-01	1.16E+00	3.22E-01	-5.70E+00	-5.42E+00	-1.24E-03	-1.02E-01	-5.96E-03	-7.41E-03	-4.82E-03	-7.17E-03	-4.42E+00
303	369643	755434	School	4.52E+00	3.49E+00	1.48E+00	1.43E+01	2.56E+00	-3.18E-01	1.05E+00	4.05E-01	-7.37E-01	-6.65E-01	-8.30E-04	-7.34E-02	-3.87E-03	-4.98E-03	-3.27E-03	-4.81E-03	-3.00E+00

Note: Shaded cells indicate locations where concentrations were highest within each land use category.

Table 3-3B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study -
for Onsite Workers and Offsite Receptors - Alternative 3, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m³)	acetaldehyde Acute Hazard	acrolein (µg/m³)	acrolein Acute Hazard	benzene (µg/m³)	benzene Acute Hazard	formaldehyde (µg/m³)	formaldehyde Acute Hazard	methyl alcohol (µg/m³)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m³)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m³)	phenol (carbolic acid) Acute Hazard	styrene (µg/m³)	styrene Acute Hazard	toluene (µg/m³)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
117	370814	758243	Offsite Worker	8.69E-01	1.85E-03	1.53E+00	6.11E-01	-5.64E-01	-4.34E-04	3.99E+00	7.25E-02	1.10E+00	3.92E-05	-3.63E-01	-2.79E-05	4.63E-01	7.98E-05	1.31E-01	6.24E-06	-2.23E+00	-6.03E-05
118	370810	758153	Offsite Worker	9.33E-01	1.99E-03	1.59E+00	6.35E-01	-3.56E-01	-2.74E-04	4.26E+00	7.74E-02	1.15E+00	4.10E-05	-3.71E-01	-2.86E-05	4.81E-01	8.29E-05	1.45E-01	6.92E-06	-1.94E+00	-5.26E-05
119	370807	758063	Offsite Worker	8.37E-01	1.78E-03	1.58E+00	6.31E-01	-4.05E-01	-3.11E-04	4.08E+00	7.42E-02	1.14E+00	4.07E-05	-3.87E-01	-2.98E-05	4.78E-01	8.24E-05	1.43E-01	6.79E-06	-2.00E+00	-5.41E-05
120	370803	757974	Offsite Worker	5.50E-01	1.17E-03	1.51E+00	6.05E-01	-1.36E+00	-1.05E-03	3.35E+00	6.09E-02	1.07E+00	3.81E-05	-4.22E-01	-3.25E-05	4.59E-01	7.92E-05	9.85E-02	4.69E-06	-3.43E+00	-9.27E-05
121	370835	757927	Offsite Worker	8.20E-01	1.74E-03	1.54E+00	6.17E-01	-2.19E+00	-1.69E-03	3.88E+00	7.06E-02	1.06E+00	3.79E-05	-3.78E-01	-2.91E-05	4.67E-01	8.05E-05	6.81E-02	3.24E-06	-4.73E+00	-1.28E-04
122	370868	757880	Offsite Worker	6.56E-01	1.39E-03	1.54E+00	6.14E-01	-2.04E+00	-1.57E-03	3.60E+00	6.55E-02	1.06E+00	3.80E-05	-4.09E-01	-3.15E-05	4.65E-01	8.02E-05	7.41E-02	3.53E-06	-4.46E+00	-1.21E-04
123	370921	757884	Offsite Worker	1.10E+00	2.34E-03	1.75E+00	7.01E-01	-1.86E+00	-1.43E-03	4.82E+00	8.77E-02	1.22E+00	4.37E-05	-3.96E-01	-3.05E-05	5.30E-01	9.13E-05	1.02E-01	4.87E-06	-4.39E+00	-1.19E-04
124	370975	757887	Offsite Worker	1.52E+00	3.23E-03	2.10E+00	8.38E-01	-8.16E-01	-6.28E-04	6.29E+00	1.14E-01	1.50E+00	5.36E-05	-4.32E-01	-3.32E-05	6.32E-01	1.09E-04	1.78E-01	8.49E-06	-3.01E+00	-8.14E-05
125	370975	757794	Offsite Worker	2.22E+00	4.72E-03	2.65E+00	**1.06E+00**	6.44E-01	4.96E-04	8.76E+00	1.59E-01	1.94E+00	6.93E-05	-4.85E-01	-3.73E-05	7.97E-01	1.37E-04	2.91E-01	1.39E-05	-1.20E+00	-3.24E-05
126	371026	757794	Offsite Worker	2.48E+00	5.27E-03	2.80E+00	**1.12E+00**	3.20E-01	2.46E-04	9.51E+00	1.73E-01	2.04E+00	7.28E-05	-4.85E-01	-3.73E-05	8.41E-01	1.45E-04	2.93E-01	1.39E-05	-1.83E+00	-4.94E-05
127	371076	757877	Offsite Worker	2.57E+00	5.47E-03	2.67E+00	**1.07E+00**	8.70E-01	6.69E-04	9.49E+00	1.73E-01	1.96E+00	7.00E-05	-4.21E-01	-3.24E-05	8.02E-01	1.38E-04	3.02E-01	1.44E-05	-8.55E-01	-2.31E-05
128	371126	757959	Offsite Worker	2.65E+00	5.65E-03	2.58E+00	**1.03E+00**	1.25E+00	9.60E-04	9.49E+00	1.72E-01	1.90E+00	6.80E-05	-3.74E-01	-2.87E-05	7.75E-01	1.34E-04	3.08E-01	1.46E-05	-1.96E-01	-5.30E-06
129	371119	758031	Offsite Worker	1.91E+00	4.06E-03	2.20E+00	8.81E-01	5.98E-01	4.60E-04	7.29E+00	1.33E-01	1.62E+00	5.77E-05	-3.91E-01	-3.01E-05	6.63E-01	1.14E-04	2.44E-01	1.16E-05	-9.06E-01	-2.45E-05
143	371953	757977	Offsite Worker	-6.44E-01	-1.37E-03	1.66E+00	6.64E-01	-8.26E-01	-6.36E-04	1.46E+00	2.66E-02	1.20E+00	4.28E-05	-7.15E-01	-5.50E-05	5.09E-01	8.78E-05	1.37E-01	6.52E-06	-2.69E+00	-7.26E-05
144	371948	757880	Offsite Worker	8.92E-01	1.90E-03	1.96E+00	7.84E-01	-7.84E-01	-6.03E-04	4.90E+00	8.91E-02	1.41E+00	5.03E-05	-5.11E-01	-3.93E-05	5.93E-01	1.02E-04	1.67E-01	7.94E-06	-2.85E+00	-7.69E-05
145	371943	757783	Offsite Worker	-3.45E-01	-7.35E-04	1.76E+00	7.02E-01	-3.45E+00	-2.65E-03	1.98E+00	3.60E-02	1.19E+00	4.26E-05	-6.89E-01	-5.30E-05	5.35E-01	9.23E-05	4.25E-02	2.02E-06	-6.77E+00	-1.83E-04
146	372016	757794	Offsite Worker	-5.48E-01	-1.17E-03	1.36E+00	5.45E-01	-3.06E+00	-2.36E-03	8.67E-01	1.58E-02	9.17E-01	3.28E-05	-5.91E-01	-4.55E-05	4.17E-01	7.20E-05	1.79E-02	8.51E-07	-5.89E+00	-1.59E-04
147	372102	757791	Offsite Worker	-1.90E-01	-4.04E-04	1.44E+00	5.76E-01	-3.10E+00	-2.38E-03	1.63E+00	2.96E-02	9.69E-01	3.46E-05	-5.46E-01	-4.20E-05	4.38E-01	7.56E-05	2.40E-02	1.14E-06	-5.97E+00	-1.61E-04
148	372178	757760	Offsite Worker	-5.05E-02	-1.08E-04	1.55E+00	6.22E-01	-1.84E+00	-1.41E-03	2.16E+00	3.93E-02	1.09E+00	3.88E-05	-5.58E-01	-4.29E-05	4.73E-01	8.15E-05	8.53E-02	4.06E-06	-4.11E+00	-1.11E-04
149	372177	757670	Offsite Worker	1.05E+00	2.24E-03	2.08E+00	8.31E-01	8.45E-02	6.50E-05	5.36E+00	9.74E-02	1.51E+00	5.41E-05	-5.19E-01	-3.99E-05	6.27E-01	1.08E-04	2.13E-01	1.01E-05	-1.55E+00	-4.19E-05
150	372176	757579	Offsite Worker	9.68E-01	2.06E-03	2.13E+00	8.52E-01	6.64E-02	5.11E-05	5.27E+00	9.58E-02	1.55E+00	5.55E-05	-5.54E-01	-4.26E-05	6.44E-01	1.11E-04	2.18E-01	1.04E-05	-1.65E+00	-4.45E-05
151	372174	757489	Offsite Worker	6.76E-01	1.44E-03	2.05E+00	8.21E-01	-1.07E+00	-8.24E-04	4.47E+00	8.13E-02	1.47E+00	5.24E-05	-5.87E-01	-4.51E-05	6.22E-01	1.07E-04	1.65E-01	7.87E-06	-3.34E+00	-9.04E-05
152	372173	757398	Offsite Worker	8.36E-01	1.78E-03	1.87E+00	7.47E-01	-1.09E+00	-8.40E-04	4.58E+00	8.32E-02	1.33E+00	4.75E-05	-4.90E-01	-3.77E-05	5.65E-01	9.75E-05	1.45E-01	6.91E-06	-3.26E+00	-8.80E-05
153	372171	757308	Offsite Worker	1.91E+00	4.07E-03	2.15E+00	8.59E-01	6.76E-01	5.20E-04	7.45E+00	1.35E-01	1.58E+00	5.63E-05	-3.71E-01	-2.85E-05	6.46E-01	1.11E-04	2.42E-01	1.15E-05	-7.32E-01	-1.98E-05
154	372055	757309	Offsite Worker	8.80E-01	1.87E-03	1.85E+00	7.41E-01	5.45E-01	4.19E-04	4.94E+00	8.98E-02	1.37E+00	4.89E-05	-4.75E-01	-3.66E-05	5.63E-01	9.71E-05	2.08E-01	9.89E-06	-8.43E-01	-2.28E-05
156	372055	757416	Offsite Worker	-4.22E-01	-8.98E-04	1.62E+00	6.48E-01	-4.40E-01	-3.39E-04	1.77E+00	3.22E-02	1.18E+00	4.22E-05	-6.56E-01	-5.05E-05	4.97E-01	8.57E-05	1.47E-01	7.01E-06	-2.14E+00	-5.78E-05
157	371952	757442	Offsite Worker	1.01E+00	2.16E-03	2.39E+00	9.56E-01	9.34E-02	7.19E-05	6.06E+00	1.10E-01	1.75E+00	6.23E-05	-6.37E-01	-4.90E-05	7.24E-01	1.25E-04	2.45E-01	1.17E-05	-1.87E+00	-5.05E-05
158	371950	757345	Offsite Worker	-6.34E-02	-1.35E-04	2.21E+00	8.82E-01	-1.69E+00	-1.30E-03	3.49E+00	6.35E-02	1.57E+00	5.61E-05	-7.90E-01	-6.08E-05	6.73E-01	1.16E-04	1.57E-01	7.48E-06	-4.50E+00	-1.22E-04
159	371864	757344	Offsite Worker	-7.98E-01	-1.70E-03	2.14E+00	8.55E-01	-1.10E+00	-8.44E-04	2.12E+00	3.85E-02	1.54E+00	5.51E-05	-9.14E-01	-7.03E-05	6.55E-01	1.13E-04	1.74E-01	8.30E-06	-3.55E+00	-9.61E-05
160	371790	757347	Offsite Worker	2.01E-01	4.28E-04	2.59E+00	**1.04E+00**	-4.65E-01	-3.58E-04	4.94E+00	8.98E-02	1.89E+00	6.73E-05	-8.73E-01	-6.71E-05	7.89E-01	1.36E-04	2.45E-01	1.17E-05	-2.89E+00	-7.81E-05
161	371708	757356	Offsite Worker	1.34E+00	2.85E-03	2.77E+00	**1.11E+00**	1.62E-01	1.25E-04	7.60E+00	1.38E-01	2.02E+00	7.22E-05	-7.05E-01	-5.43E-05	8.38E-01	1.44E-04	2.86E-01	1.36E-05	-2.07E+00	-5.59E-05
162	371615	757356	Offsite Worker	1.56E+00	3.32E-03	2.68E+00	**1.07E+00**	-6.81E-02	-5.24E-05	7.93E+00	1.44E-01	1.95E+00	6.95E-05	-6.27E-01	-4.83E-05	8.09E-01	1.39E-04	2.66E-01	1.27E-05	-2.38E+00	-6.44E-05
163	371523	757356	Offsite Worker	1.23E+00	2.62E-03	2.50E+00	9.99E-01	-7.63E-01	-5.87E-04	6.96E+00	1.27E-01	1.80E+00	6.43E-05	-6.31E-01	-4.85E-05	7.57E-01	1.30E-04	2.21E-01	1.05E-05	-3.36E+00	-9.07E-05
164	371430	757356	Offsite Worker	1.75E+00	3.73E-03	2.76E+00	**1.10E+00**	-3.51E-01	-2.70E-04	8.44E+00	1.53E-01	2.00E+00	7.14E-05	-6.18E-01	-4.75E-05	8.34E-01	1.44E-04	2.63E-01	1.25E-05	-2.94E+00	-7.95E-05
165	371338	757356	Offsite Worker	2.05E+00	4.36E-03	2.98E+00	**1.19E+00**	-2.14E-01	-1.65E-04	9.34E+00	1.70E-01	2.16E+00	7.72E-05	-6.36E-01	-4.89E-05	9.01E-01	1.55E-04	2.90E-01	1.38E-05	-2.96E+00	-7.99E-05
166	371245	757356	Offsite Worker	1.63E+00	3.46E-03	2.93E+00	**1.17E+00**	-1.44E+00	-1.11E-03	8.20E+00	1.49E-01	2.10E+00	7.49E-05	-7.05E-01	-5.42E-05	8.88E-01	1.53E-04	2.37E-01	1.13E-05	-4.84E+00	-1.31E-04
167	371153	757356	Offsite Worker	2.25E+00	4.78E-03	3.42E+00	**1.37E+00**	-2.67E+00	-2.05E-03	9.97E+00	1.81E-01	2.42E+00	8.64E-05	-7.53E-01	-5.79E-05	1.04E+00	1.79E-04	2.38E-01	1.13E-05	-7.15E+00	-1.93E-04
168	371061	757356	Offsite Worker	4.03E+00	8.58E-03	4.59E+00	**1.83E+00**	-3.44E+00	-2.64E-03	1.52E+01	2.76E-01	3.23E+00	1.15E-04	-8.03E-01	-6.18E-05	1.38E+00	2.38E-04	3.23E-01	1.54E-05	-9.25E+00	-2.50E-04
169	371005	757357	Offsite Worker	5.08E+00	1.08E-02	5.31E+00	**2.12E+00**	-3.78E+00	-2.91E-03	1.83E+01	3.32E-01	3.74E+00	1.34E-04	-8.47E-01	-6.52E-05	1.60E+00	2.75E-04	3.81E-01	1.82E-05	-1.03E+01	-2.79E-04
170	370998	757293	Offsite Worker	1.34E+00	2.84E-03	3.58E+00	**1.43E+00**	-4.11E+00	-3.16E-03	8.10E+00	1.47E-01	2.51E+00	8.95E-05	-9.95E-01	-7.65E-05	1.09E+00	1.88E-04	1.97E-01	9.39E-06	-9.65E+00	-2.61E-04
171	370998	757194	Offsite Worker	4.90E-01	1.04E-03	2.92E+00	**1.17E+00**	-8.27E-01	-6.36E-04	6.20E+00	1.13E-01	2.12E+00	7.56E-05	-9.29E-01	-7.15E-05	8.93E-01	1.54E-04	2.60E-01	1.24E-05	-4.10E+00	-1.11E-04
172	370998	757096	Offsite Worker	5.18E-01	1.10E-03	3.49E+00	**1.40E+00**	1.01E+00	7.78E-04	7.45E+00	1.35E-01	2.59E+00	9.25E-05	-1.13E+00	-8.66E-05	1.07E+00	1.84E-04	3.91E-01	1.86E-05	-1.79E+00	-4.84E-05
173	370998	756998	Offsite Worker	4.01E-01	8.53E-04	3.10E+00	**1.24E+00**	-3.07E+00	-2.36E-03	6.33E+00	1.15E-01	2.21E+00	7.88E-05	-1.02E+00	-7.81E-05	9.68E-01	1.67E-04	1.84E-01	8.77E-06	-8.73E+00	-2.36E-04
174	371057	756997	Offsite Worker	1.97E+00	4.19E-03	3.64E+00	**1.45E+00**	-2.16E-01	-1.66E-04	1.06E+01	1.93E-01	2.66E+00	9.50E-05	-8.87E-01	-6.82E-05	1.12E+00	1.92E-04	3.53E-01	1.68E-05	-4.23E+00	-1.14E-04
175	371153	756997	Offsite Worker	2.25E+00	4.80E-03	3.89E+00	**1.56E+00**	2.58E-01	1.98E-04	1.16E+01	2.10E-01	2.85E+00	1.02E-04	-9.18E-01	-7.07E-05	1.19E+00	2.05E-04	3.98E-01	1.90E-05	-3.49E+00	-9.44E-05
176	371249	756997	Offsite Worker	2.45E+00	5.22E-03	3.96E+00	**1.58E+00**	-4.19E-01	-3.22E-04	1.19E+01	2.17E-01	2.88E+00	1.03E-04	-9.03E-01	-6.94E-05	1.21E+00	2.09E-04	3.77E-01	1.80E-05	-4.71E+00	-1.27E-04
177	371345	756997	Offsite Worker	2.11E+00	4.49E-03	3.48E+00	**1.39E+00**	-1.63E+00	-1.26E-03	1.03E+01	1.88E-01	2.51E+00	8.96E-05	-8.05E-01	-6.19E-05	1.07E+00	1.84E-04	2.80E-01	1.33E-05	-6.39E+00	-1.73E-04
178	371440	756997	Offsite Worker	2.47E+00	5.26E-03	3.42E+00	**1.37E+00**	-6.35E-01	-4.88E-04	1.12E+01	2.04E-01	2.47E+00	8.84E-05	-7.07E-01	-5.44E-05	1.04E+00	1.79E-04	3.15E-01	1.50E-05	-4.27E+00	-1.15E-04
179	371536	756997	Offsite Worker	3.04E+00	6.46E-03	3.49E+00	**1.39E+00**	4.90E-01	3.77E-04	1.26E+01	2.29E-01	2.55E+00	9.10E-05	-6.16E-01	-4.74E-05	1.05E+00	1.82E-04	3.67E-01	1.75E-05	-2.41E+00	-6.51E-05
180	371632	756997	Offsite Worker	3.32E+00	7.07E-03	3.38E+00	**1.35E+00**	1.84E+00	1.42E-03	1.32E+01	2.40E-01	2.51E+00	8.96E-05	-5.22E-01	-4.02E-05	1.02E+00	1.76E-04	4.10E-01	1.95E-05	-1.50E-01	-4.06E-06
181	371728	756997	Offsite Worker	3.02E+00	6.42E-03	2.99E+00	**1.20E+00**	3.04E+00	2.34E-03	1.21E+01	2.20E-01	2.26E+00	8.06E-05	-4.45E-01	-3.42E-05	9.02E-01	1.55E-04	4.19E-01	1.99E-05	2.04E+00	5.52E-05
182	371824	756997	Offsite Worker	3.01E+00	6.39E-03	2.93E+00	**1.17E+00**	2.36E+00	1.82E-03	1.19E+01	2.17E-01	2.19E+00	7.82E-05	-4.24E-01	-3.27E-05	8.81E-01	1.52E-04	3.86E-01	1.84E-05	1.10E+00	2.98E-05
183	371920	756997	Offsite Worker	2.27E+00	4.82E-03	2.43E+00	9.73E-01	2.18E+00	1.68E-03	9.70E+00	1.76E-01	1.83E+00	6.53E-05	-4.00E-01	-3.08E-05	7.34E-01	1.27E-04	3.29E-01	1.57E-05	1.21E+00	3.27E-05
184	372016	756997	Offsite Worker	3.80E+00	8.08E-03	3.16E+00	**1.27E+00**	6.31E+00	4.85E-03	1.43E+01	2.60E-01	2.46E+00	8.80E-05	-3.47E-01	-2.67E-05	9.49E-01	1.64E-04	5.65E-01	2.69E-05	7.04E+00	1.90E-04
185	372111	756997	Offsite Worker	5.04E+00	1.07E-02	3.76E+00	**1.50E+00**	8.67E+00	6.67E-03	1.79E+01	3.26E-01	2.96E+00	1.06E-04	-3.05E-01	-2.35E-05	1.12E+00	1.94E-04	7.17E-01	3.41E-05	1.03E+01	2.77E-04
186	372207	756997	Offsite Worker	3.52E+00	7.50E-03	2.95E+00	**1.18E+00**	4.69E+00	3.61E-03	1.33E+01	2.42E-01	2.26E+00	8.08E-05	-3.26E-01	-2.51E-05	8.83E-01	1.52E-04	4.79E-01	2.28E-05	4.77E+00	1.29E-04
187	372303	756997	Offsite Worker	2.28E+00	4.84E-03	2.25E+00	8.99E-01	2.39E+00	1.84E-03	9.56E+00	1.74E-01	1.70E+00	6.06E-05	-3.32E-01	-2.55E-05	6.76E-01	1.17E-04	3.19E-01	1.52E-05	1.77E+00	4.80E-05
188	372399	756997	Offsite Worker	3.50E+00	7.44E-03	2.84E+00	**1.14E+00**	4.74E+00	3.65E-03	1.32E+01	2.39E-01	2.19E+00	7.81E-05	-2.94E-01	-2.26E-05	8.51E-01	1.47E-04	4.71E-01	2.24E-05	4.98E+00	1.34E-04
189	372495	756997	Offsite Worker	2.35E+00	5.01E-03	2.23E+00	8.90E-01	1.60E+00	1.23E-03	9.68E+00	1.76E-01	1.65E+00	5.91E-05	-3.08E-01	-2.37E-05	6.67E-01	1.15E-04	2.86E-01	1.36E-05	6.88E-01	1.86E-05
190	372591	756997	Offsite Worker	2.51E+00	5.35E-03	2.27E+00	9.10E-01	1.43E+00	1.10E-03	1.02E+01	1.86E-01	1.68E+00	6.01E-05	-2.93E-01	-2.25E-05	6.78E-01	1.17E-04	2.85E-01	1.36E-05	5.21E-01	1.41E-05
191	372610	757063	Offsite Worker	2.51E+00	5.34E-03	2.26E+00	9.06E-01	1.14E+00	8.79E-04	9.44E+00	1.72E-01	1.66E+00	5.95E-05	-2.89E-01	-2.23E-05	6.73E-01	1.16E-04	2.73E-01	1.30E-05	1.58E-01	4.26E-06
192	372612	757132	Offsite Worker	2.09E+00	4.45E-03	1.95E+00	7.78E-01	1.54E+00	1.18E-03	8.15E+00	1.48E-01	1.45E+00	5.16E-05	-2.62E-01	-2.01E-05	5.79E-01	9.98E-05	2.57E-01	1.22E-05	1.02E+00	2.75E-05
193	372614	757201	Offsite Worker	2.00E+00	4.25E-03	1.88E+00	7.51E-01	1.86E+00	1.43E-03	8.27E+00	1.50E-01	1.41E+00	5.02E-05	-2.57E-01	-1.98E-05	5.59E-01	9.63E-05	2.63E-01	1.25E-05	1.55E+00	4.19E-05
194	372616	757270	Offsite Worker	1.96E+00	4.17E-03	1.83E+00	7.31E-01	2.12E+00	1.63E-03	7.64E+00	1.39E-01	1.38E+00	4.92E-05	-2.46E-01	-1.89E-05	5.44E-01	9.37E-05	2.68E-01	1.28E-05	2.00E+00	5.41E-05
195	372627	757351	Offsite Worker	2.29E+00	4.88E-03	1.99E+00	7.97E-01	2.15E+00	1.65E-03	8.37E+00	1.52E-01	1.49E+00	5.33E-05	-2.37E-01	-1.82E-05	5.90E-01	1.02E-04	2.86E-01	1.36E-05	1.99E+00	5.38E-05

Table 3-3B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study -
for Onsite Workers and Offsite Receptors - Alternative 3, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m³)	acetaldehyde Acute Hazard	acrolein (µg/m³)	acrolein Acute Hazard	benzene (µg/m³)	benzene Acute Hazard	formaldehyde (µg/m³)	formaldehyde Acute Hazard	methyl alcohol (µg/m³)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m³)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m³)	phenol (carbolic acid) Acute Hazard	styrene (µg/m³)	styrene Acute Hazard	toluene (µg/m³)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
196	372651	757422	Offsite Worker	2.26E+00	4.81E-03	2.01E+00	8.03E-01	1.80E+00	1.38E-03	8.24E+00	1.50E-01	1.49E+00	5.34E-05	-2.49E-01	-1.91E-05	5.94E-01	1.02E-04	2.74E-01	1.30E-05	1.48E+00	4.01E-05
197	372676	757494	Offsite Worker	1.92E+00	4.08E-03	1.88E+00	7.50E-01	1.34E+00	1.03E-03	7.28E+00	1.32E-01	1.39E+00	4.95E-05	-2.71E-01	-2.09E-05	5.54E-01	9.56E-05	2.43E-01	1.16E-05	9.46E-01	2.56E-05
198	372704	757569	Offsite Worker	1.54E+00	3.27E-03	1.67E+00	6.67E-01	4.01E-01	3.08E-04	6.06E+00	1.10E-01	1.21E+00	4.33E-05	-2.76E-01	-2.12E-05	4.94E-01	8.51E-05	1.85E-01	8.82E-06	-3.73E-01	-1.01E-05
199	372733	757645	Offsite Worker	6.19E-01	1.32E-03	1.38E+00	5.52E-01	-4.54E-01	-3.49E-04	3.65E+00	6.64E-02	9.86E-01	3.52E-05	-3.60E-01	-2.77E-05	4.11E-01	7.08E-05	1.23E-01	5.87E-06	-1.51E+00	-4.08E-05
200	372746	757702	Offsite Worker	1.06E-01	2.26E-04	1.20E+00	4.81E-01	-9.23E-01	-7.10E-04	2.25E+00	4.09E-02	8.48E-01	3.03E-05	-4.01E-01	-3.09E-05	3.60E-01	6.20E-05	8.73E-02	4.16E-06	-2.12E+00	-5.74E-05
201	372746	757768	Offsite Worker	3.63E-02	7.72E-05	1.29E+00	5.16E-01	-8.95E-01	-6.88E-04	2.11E+00	3.84E-02	9.13E-01	3.26E-05	-4.46E-01	-3.43E-05	3.87E-01	6.67E-05	9.73E-02	4.64E-06	-2.15E+00	-5.82E-05
202	372807	757781	Offsite Worker	-2.54E-02	-5.41E-05	1.19E+00	4.75E-01	-9.08E-01	-6.98E-04	1.89E+00	3.44E-02	8.37E-01	2.99E-05	-4.22E-01	-3.25E-05	3.55E-01	6.12E-05	8.67E-02	4.13E-06	-2.05E+00	-5.55E-05
203	372901	757782	Offsite Worker	4.69E-01	9.97E-04	1.36E+00	5.42E-01	-4.05E-01	-3.11E-04	3.57E+00	6.49E-02	9.69E-01	3.46E-05	-3.81E-01	-2.93E-05	4.02E-01	6.93E-05	1.24E-01	5.89E-06	-1.30E+00	-3.53E-05
204	372994	757783	Offsite Worker	1.25E+00	2.67E-03	1.69E+00	6.75E-01	4.64E-01	3.57E-04	5.81E+00	1.06E-01	1.23E+00	4.39E-05	-3.39E-01	-2.61E-05	4.98E-01	8.59E-05	1.91E-01	9.09E-06	-1.66E-01	-4.49E-06
205	373087	757783	Offsite Worker	2.03E+00	4.32E-03	2.02E+00	8.06E-01	1.01E+00	7.76E-04	7.96E+00	1.45E-01	1.48E+00	5.27E-05	-2.98E-01	-2.29E-05	5.94E-01	1.02E-04	2.45E-01	1.17E-05	4.79E-01	1.29E-05
206	373180	757784	Offsite Worker	2.39E+00	5.09E-03	2.10E+00	8.42E-01	1.39E+00	1.07E-03	8.85E+00	1.61E-01	1.55E+00	5.53E-05	-2.56E-01	-1.97E-05	6.19E-01	1.07E-04	2.68E-01	1.28E-05	9.82E-01	2.65E-05
207	373274	757785	Offsite Worker	2.28E+00	4.84E-03	1.94E+00	7.75E-01	1.57E+00	1.21E-03	8.39E+00	1.52E-01	1.43E+00	5.12E-05	-2.20E-01	-1.70E-05	5.69E-01	9.81E-05	2.59E-01	1.23E-05	1.43E+00	3.86E-05
208	373367	757786	Offsite Worker	2.02E+00	4.31E-03	1.76E+00	7.02E-01	1.60E+00	1.23E-03	7.57E+00	1.38E-01	1.30E+00	4.65E-05	-2.07E-01	-1.59E-05	5.13E-01	8.85E-05	2.42E-01	1.15E-05	1.68E+00	4.54E-05
209	373418	757742	Offsite Worker	1.97E+00	4.18E-03	1.70E+00	6.81E-01	1.48E+00	1.14E-03	7.20E+00	1.31E-01	1.26E+00	4.51E-05	-2.01E-01	-1.54E-05	5.01E-01	8.63E-05	2.31E-01	1.10E-05	1.37E+00	3.70E-05
210	373418	757653	Offsite Worker	2.19E+00	4.66E-03	1.79E+00	7.15E-01	1.52E+00	1.17E-03	7.79E+00	1.42E-01	1.33E+00	4.73E-05	-1.86E-01	-1.43E-05	5.26E-01	9.08E-05	2.41E-01	1.15E-05	1.31E+00	3.53E-05
211	373419	757564	Offsite Worker	2.42E+00	5.16E-03	1.89E+00	7.57E-01	1.57E+00	1.21E-03	8.42E+00	1.53E-01	1.40E+00	5.00E-05	-1.75E-01	-1.35E-05	5.57E-01	9.61E-05	2.53E-01	1.20E-05	1.30E+00	3.50E-05
212	373419	757475	Offsite Worker	2.62E+00	5.58E-03	2.00E+00	8.00E-01	1.72E+00	1.32E-03	8.99E+00	1.64E-01	1.48E+00	5.30E-05	-1.74E-01	-1.34E-05	5.90E-01	1.02E-04	2.70E-01	1.28E-05	1.42E+00	3.85E-05
213	373420	757386	Offsite Worker	2.88E+00	6.13E-03	2.17E+00	8.67E-01	2.20E+00	1.69E-03	9.80E+00	1.78E-01	1.62E+00	5.77E-05	-1.80E-01	-1.39E-05	6.39E-01	1.10E-04	3.05E-01	1.45E-05	2.06E+00	5.58E-05
214	373420	757297	Offsite Worker	3.81E+00	8.11E-03	2.72E+00	**1.09E+00**	2.54E+00	1.95E-03	1.25E+01	2.27E-01	2.02E+00	7.22E-05	-1.85E-01	-1.42E-05	8.02E-01	1.38E-04	3.73E-01	1.78E-05	2.11E+00	5.69E-05
215	373421	757207	Offsite Worker	4.84E+00	1.03E-02	3.29E+00	**1.32E+00**	2.65E+00	2.04E-03	1.53E+01	2.78E-01	2.44E+00	8.70E-05	-1.80E-01	-1.39E-05	9.72E-01	1.68E-04	4.34E-01	2.07E-05	1.85E+00	4.99E-05
216	373421	757118	Offsite Worker	4.36E+00	9.27E-03	3.10E+00	**1.24E+00**	2.01E+00	1.55E-03	1.38E+01	2.50E-01	2.28E+00	8.15E-05	-2.09E-01	-1.61E-05	9.17E-01	1.58E-04	3.89E-01	1.85E-05	9.12E-01	2.46E-05
217	373292	757117	Offsite Worker	4.91E+00	1.04E-02	3.41E+00	**1.36E+00**	2.33E+00	1.79E-03	1.57E+01	2.85E-01	2.51E+00	8.98E-05	-2.09E-01	-1.61E-05	1.01E+00	1.74E-04	4.34E-01	2.07E-05	1.24E+00	3.36E-05
218	373213	757118	Offsite Worker	5.25E+00	1.12E-02	3.61E+00	**1.44E+00**	2.62E+00	2.02E-03	1.70E+01	3.10E-01	2.67E+00	9.52E-05	-2.10E-01	-1.61E-05	1.07E+00	1.84E-04	4.65E-01	2.22E-05	1.57E+00	4.25E-05
219	373158	757066	Offsite Worker	5.41E+00	1.15E-02	3.74E+00	**1.50E+00**	2.64E+00	2.03E-03	1.73E+01	3.15E-01	2.76E+00	9.86E-05	-2.23E-01	-1.71E-05	1.11E+00	1.91E-04	4.79E-01	2.28E-05	1.45E+00	3.91E-05
220	373084	757026	Offsite Worker	5.40E+00	1.15E-02	3.79E+00	**1.51E+00**	2.61E+00	2.01E-03	1.75E+01	3.18E-01	2.79E+00	9.97E-05	-2.41E-01	-1.85E-05	1.12E+00	1.93E-04	4.82E-01	2.30E-05	1.37E+00	3.69E-05
221	373009	757011	Offsite Worker	5.35E+00	1.14E-02	3.77E+00	**1.51E+00**	2.56E+00	1.97E-03	1.74E+01	3.16E-01	2.78E+00	9.94E-05	-2.48E-01	-1.91E-05	1.12E+00	1.93E-04	4.79E-01	2.28E-05	1.28E+00	3.47E-05
222	372922	757009	Offsite Worker	4.60E+00	9.80E-03	3.31E+00	**1.33E+00**	2.80E+00	2.15E-03	1.55E+01	2.82E-01	2.46E+00	8.79E-05	-2.36E-01	-1.81E-05	9.82E-01	1.69E-04	4.42E-01	2.11E-05	1.94E+00	5.25E-05
223	372835	757007	Offsite Worker	3.43E+00	7.29E-03	2.66E+00	**1.06E+00**	2.65E+00	2.04E-03	1.27E+01	2.31E-01	1.99E+00	7.10E-05	-2.43E-01	-1.87E-05	7.89E-01	1.36E-04	3.71E-01	1.77E-05	2.17E+00	5.87E-05
224	372747	757006	Offsite Worker	2.57E+00	5.46E-03	2.20E+00	8.80E-01	2.30E+00	1.77E-03	1.05E+01	1.91E-01	1.65E+00	5.89E-05	-2.55E-01	-1.96E-05	6.54E-01	1.13E-04	3.12E-01	1.49E-05	1.98E+00	5.36E-05
225	372660	757004	Offsite Worker	2.01E+00	4.29E-03	1.95E+00	7.78E-01	1.66E+00	1.27E-03	9.06E+00	1.65E-01	1.45E+00	5.16E-05	-2.76E-01	-2.13E-05	5.75E-01	9.92E-05	2.63E-01	1.25E-05	1.38E+00	3.73E-05
226	372651	757063	Offsite Worker	2.08E+00	4.43E-03	2.01E+00	8.02E-01	1.22E+00	9.41E-04	8.49E+00	1.54E-01	1.48E+00	5.27E-05	-2.83E-01	-2.18E-05	5.91E-01	1.02E-04	2.52E-01	1.20E-05	7.98E-01	2.16E-05
227	372629	756931	Offsite Worker	3.71E+00	7.89E-03	2.79E+00	**1.12E+00**	3.77E+00	2.90E-03	1.34E+01	2.44E-01	2.12E+00	7.56E-05	-2.33E-01	-1.79E-05	8.30E-01	1.43E-04	4.28E-01	2.04E-05	3.72E+00	1.00E-04
228	372631	756857	Offsite Worker	5.98E+00	1.27E-02	4.01E+00	**1.60E+00**	4.72E+00	3.63E-03	1.99E+01	3.62E-01	3.02E+00	1.08E-04	-2.04E-01	-1.57E-05	1.19E+00	2.05E-04	5.87E-01	2.79E-05	4.24E+00	1.15E-04
229	372634	756783	Offsite Worker	9.11E+00	1.94E-02	5.79E+00	**2.32E+00**	5.59E+00	4.30E-03	2.90E+01	5.27E-01	4.32E+00	1.54E-04	-2.00E-01	-1.54E-05	1.72E+00	2.96E-04	7.98E-01	3.80E-05	4.17E+00	1.13E-04
230	372702	756778	Offsite Worker	9.10E+00	1.94E-02	5.81E+00	**2.32E+00**	5.35E+00	4.11E-03	2.95E+01	5.36E-01	4.32E+00	1.54E-04	-2.06E-01	-1.59E-05	1.72E+00	2.97E-04	7.89E-01	3.76E-05	3.71E+00	1.00E-04
231	372756	756775	Offsite Worker	8.36E+00	1.78E-02	5.39E+00	**2.15E+00**	4.84E+00	3.72E-03	2.74E+01	4.98E-01	4.01E+00	1.43E-04	-2.09E-01	-1.61E-05	1.60E+00	2.76E-04	7.27E-01	3.46E-05	3.24E+00	8.75E-05
232	372729	756712	Offsite Worker	7.22E+00	1.54E-02	4.74E+00	**1.90E+00**	4.43E+00	3.40E-03	2.41E+01	4.38E-01	3.54E+00	1.26E-04	-2.13E-01	-1.64E-05	1.41E+00	2.43E-04	6.46E-01	3.08E-05	3.05E+00	8.24E-05
233	372703	756650	Offsite Worker	5.06E+00	1.08E-02	3.53E+00	**1.41E+00**	3.04E+00	2.34E-03	1.78E+01	3.24E-01	2.63E+00	9.39E-05	-2.23E-01	-1.71E-05	1.05E+00	1.81E-04	4.72E-01	2.25E-05	1.86E+00	5.03E-05
234	372677	756588	Offsite Worker	5.93E+00	1.26E-02	4.00E+00	**1.60E+00**	3.80E+00	2.92E-03	2.02E+01	3.67E-01	2.99E+00	1.07E-04	-2.12E-01	-1.63E-05	1.19E+00	2.05E-04	5.49E-01	2.61E-05	2.67E+00	7.22E-05
235	372619	756588	Offsite Worker	5.14E+00	1.09E-02	3.58E+00	**1.43E+00**	3.48E+00	2.68E-03	1.72E+01	3.13E-01	2.68E+00	9.56E-05	-2.23E-01	-1.71E-05	1.07E+00	1.84E-04	4.93E-01	2.35E-05	2.45E+00	6.61E-05
236	372622	756509	Offsite Worker	1.19E+01	2.53E-02	7.63E+00	**3.05E+00**	5.01E+00	3.86E-03	3.69E+01	6.71E-01	5.63E+00	2.01E-04	-2.83E-01	-2.18E-05	2.27E+00	3.91E-04	9.56E-01	4.55E-05	1.63E+00	4.42E-05
237	372700	756511	Offsite Worker	1.11E+01	2.35E-02	7.12E+00	**2.85E+00**	4.07E+00	3.13E-03	3.52E+01	6.39E-01	5.24E+00	1.87E-04	-2.75E-01	-2.12E-05	2.12E+00	3.65E-04	8.69E-01	4.14E-05	5.75E-01	1.56E-05
238	372789	756510	Offsite Worker	9.28E+00	1.97E-02	6.07E+00	**2.43E+00**	3.27E+00	2.51E-03	2.99E+01	5.43E-01	4.46E+00	1.59E-04	-2.64E-01	-2.03E-05	1.80E+00	3.11E-04	7.32E-01	3.49E-05	1.82E-01	4.93E-06
239	372871	756509	Offsite Worker	7.55E+00	1.61E-02	5.05E+00	**2.02E+00**	2.58E+00	1.99E-03	2.38E+01	4.32E-01	3.71E+00	1.32E-04	-2.55E-01	-1.96E-05	1.50E+00	2.59E-04	6.04E-01	2.88E-05	-5.85E-02	-1.58E-06
240	372871	756437	Offsite Worker	6.18E+00	1.32E-02	4.30E+00	**1.72E+00**	2.08E+00	1.60E-03	2.00E+01	3.64E-01	3.15E+00	1.13E-04	-2.65E-01	-2.03E-05	1.28E+00	2.20E-04	5.10E-01	2.43E-05	-1.99E-01	-5.38E-06
241	372970	756437	Offsite Worker	6.06E+00	1.29E-02	4.16E+00	**1.67E+00**	1.70E+00	1.31E-03	1.92E+01	3.48E-01	3.05E+00	1.09E-04	-2.44E-01	-1.87E-05	1.24E+00	2.14E-04	4.82E-01	2.30E-05	-6.28E-01	-1.70E-05
242	373069	756437	Offsite Worker	5.65E+00	1.20E-02	3.87E+00	**1.55E+00**	1.66E+00	1.28E-03	1.78E+01	3.23E-01	2.83E+00	1.01E-04	-2.20E-01	-1.69E-05	1.15E+00	1.98E-04	4.51E-01	2.15E-05	-4.37E-01	-1.18E-05
243	373168	756437	Offsite Worker	5.30E+00	1.13E-02	3.62E+00	**1.45E+00**	1.66E+00	1.28E-03	1.67E+01	3.03E-01	2.65E+00	9.48E-05	-2.06E-01	-1.59E-05	1.08E+00	1.86E-04	4.26E-01	2.03E-05	-2.53E-01	-6.84E-06
244	373267	756437	Offsite Worker	4.99E+00	1.06E-02	3.42E+00	**1.37E+00**	1.65E+00	1.27E-03	1.57E+01	2.85E-01	2.50E+00	8.94E-05	-1.94E-01	-1.49E-05	1.02E+00	1.75E-04	4.05E-01	1.93E-05	-1.01E-01	-2.72E-06
245	373412	756437	Offsite Worker	4.65E+00	9.89E-03	3.17E+00	**1.27E+00**	1.63E+00	1.26E-03	1.44E+01	2.62E-01	2.33E+00	8.31E-05	-1.78E-01	-1.37E-05	9.42E-01	1.62E-04	3.80E-01	1.81E-05	4.79E-02	1.30E-06
246	373409	756339	Offsite Worker	4.24E+00	9.02E-03	3.12E+00	**1.25E+00**	6.30E-01	4.85E-04	1.34E+01	2.43E-01	2.27E+00	8.10E-05	-2.43E-01	-1.87E-05	9.31E-01	1.60E-04	3.36E-01	1.60E-05	-1.55E+00	-4.18E-05
247	373406	756240	Offsite Worker	3.65E+00	7.76E-03	2.84E+00	**1.14E+00**	4.02E-01	3.09E-04	1.18E+01	2.14E-01	2.06E+00	7.37E-05	-2.65E-01	-2.04E-05	8.48E-01	1.46E-04	3.00E-01	1.43E-05	-1.64E+00	-4.42E-05
248	373403	756142	Offsite Worker	3.72E+00	7.92E-03	2.83E+00	**1.13E+00**	1.09E+00	8.39E-04	1.19E+01	2.17E-01	2.07E+00	7.40E-05	-2.45E-01	-1.88E-05	8.44E-01	1.45E-04	3.25E-01	1.55E-05	-5.78E-01	-1.56E-05
249	373400	756042	Offsite Worker	2.88E+00	6.13E-03	2.76E+00	**1.10E+00**	6.46E-01	4.97E-04	9.98E+00	1.81E-01	2.01E+00	7.19E-05	-3.90E-01	-3.00E-05	8.26E-01	1.42E-04	3.02E-01	1.44E-05	-1.21E+00	-3.27E-05
250	373397	755944	Offsite Worker	3.89E+00	8.27E-03	3.29E+00	**1.31E+00**	1.28E+00	9.87E-04	1.28E+01	2.33E-01	2.41E+00	8.60E-05	-3.72E-01	-2.86E-05	9.81E-01	1.69E-04	3.79E-01	1.81E-05	-6.26E-01	-1.69E-05
251	373393	755846	Offsite Worker	4.66E+00	9.91E-03	3.65E+00	**1.46E+00**	2.05E+00	1.57E-03	1.49E+01	2.71E-01	2.69E+00	9.61E-05	-3.45E-01	-2.65E-05	1.09E+00	1.88E-04	4.45E-01	2.12E-05	2.68E-01	7.25E-06
252	373390	755747	Offsite Worker	5.30E+00	1.13E-02	3.89E+00	**1.56E+00**	2.22E+00	1.71E-03	1.66E+01	3.01E-01	2.87E+00	1.02E-04	-3.01E-01	-2.31E-05	1.16E+00	2.00E-04	4.76E-01	2.27E-05	3.85E-01	1.04E-05
253	373309	755744	Offsite Worker	5.61E+00	1.19E-02	4.08E+00	**1.63E+00**	2.28E+00	1.75E-03	1.75E+01	3.18E-01	3.00E+00	1.07E-04	-3.02E-01	-2.33E-05	1.21E+00	2.09E-04	4.97E-01	2.36E-05	3.45E-01	9.33E-06
254	373229	755743	Offsite Worker	5.92E+00	1.26E-02	4.26E+00	**1.71E+00**	2.34E+00	1.80E-03	1.84E+01	3.35E-01	3.14E+00	1.12E-04	-3.06E-01	-2.35E-05	1.27E+00	2.19E-04	5.18E-01	2.47E-05	2.97E-01	8.04E-06
255	373143	755741	Offsite Worker	6.22E+00	1.32E-02	4.46E+00	**1.78E+00**	2.39E+00	1.84E-03	1.94E+01	3.52E-01	3.28E+00	1.17E-04	-3.16E-01	-2.43E-05	1.33E+00	2.29E-04	5.39E-01	2.57E-05	2.43E-01	6.55E-06
256	373143	755823	Offsite Worker	5.85E+00	1.24E-02	4.41E+00	**1.76E+00**	2.36E+00	1.81E-03	1.86E+01	3.38E-01	3.24E+00	1.16E-04	-3.70E-01	-2.85E-05	1.31E+00	2.26E-04	5.33E-01	2.54E-05	2.30E-01	6.21E-06
257	373143	755906	Offsite Worker	4.77E+00	1.01E-02	4.04E+00	**1.62E+00**	1.81E+00	1.39E-03	1.59E+01	2.89E-01	2.97E+00	1.06E-04	-4.59E-01	-3.53E-05	1.21E+00	2.08E-04	4.76E-01	2.26E-05	-3.71E-01	-1.00E-05
258	373065	755906	Offsite Worker	5.11E+00	1.09E-02	4.28E+00	**1.71E+00**	1.88E+00	1.45E-03	1.71E+01	3.12E-01	3.14E+00	1.12E-04	-4.75E-01	-3.66E-05	1.28E+00	2.20E-04	5.03E-01	2.39E-05	-4.28E-01	-1.16E-05
259	373065	755827	Offsite Worker	6.03E+00	1.28E-02	4.68E+00	**1.87E+00**	2.22E+00	1.71E-03	1.95E+01	3.54E-01	3.44E+00	1.23E-04	-4.30E-01	-3.31E-05	1.40E+00	2.41E-04	5.56E-01	2.65E-05	-1.86E-01	-5.04E-06
260	373068	755733	Offsite Worker	6.62E+00	1.41E-02	4.62E+00	**1.85E+00**	2.51E+00	1.93E-03	2.05E+01	3.72E-01	3.39E+00	1.21E-04	-2.90E-01	-2.23E-05	1.37E+00	2.37E-04	5.60E-01	2.67E-05	3.24E-01	8.75E-06

Table 3-3B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study -
for Onsite Workers and Offsite Receptors - Alternative 3, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m³)	acetaldehyde Acute Hazard	acrolein (µg/m³)	acrolein Acute Hazard	benzene (µg/m³)	benzene Acute Hazard	formaldehyde (µg/m³)	formaldehyde Acute Hazard	methyl alcohol (µg/m³)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m³)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m³)	phenol (carbolic acid) Acute Hazard	styrene (µg/m³)	styrene Acute Hazard	toluene (µg/m³)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
261	373007	755733	Offsite Worker	6.79E+00	1.45E-02	4.71E+00	**1.88E+00**	2.49E+00	1.91E-03	2.10E+01	3.82E-01	3.46E+00	1.23E-04	-2.86E-01	-2.20E-05	1.40E+00	2.41E-04	5.68E-01	2.70E-05	2.35E-01	6.35E-06
262	372941	755733	Offsite Worker	7.06E+00	1.50E-02	4.83E+00	**1.93E+00**	2.38E+00	1.83E-03	2.19E+01	3.98E-01	3.54E+00	1.26E-04	-2.74E-01	-2.10E-05	1.43E+00	2.47E-04	5.76E-01	2.74E-05	2.74E-02	7.41E-07
263	372941	755636	Offsite Worker	4.60E+00	9.78E-03	3.27E+00	**1.31E+00**	1.14E+00	8.75E-04	1.44E+01	2.63E-01	2.39E+00	8.52E-05	-2.23E-01	-1.72E-05	9.72E-01	1.68E-04	3.71E-01	1.77E-05	-7.28E-01	-1.97E-05
264	372941	755539	Offsite Worker	2.41E+00	5.13E-03	2.01E+00	8.02E-01	4.68E-01	3.60E-04	8.08E+00	1.47E-01	1.46E+00	5.21E-05	-2.19E-01	-1.69E-05	5.97E-01	1.03E-04	2.19E-01	1.04E-05	-7.74E-01	-2.09E-05
265	372941	755442	Offsite Worker	1.57E+00	3.34E-03	1.55E+00	6.21E-01	1.06E+00	8.14E-04	5.72E+00	1.04E-01	1.15E+00	4.11E-05	-2.29E-01	-1.76E-05	4.63E-01	7.98E-05	1.98E-01	9.43E-06	4.99E-01	1.35E-05
266	372913	755342	Offsite Worker	9.50E-01	2.02E-03	1.16E+00	4.63E-01	8.01E-01	6.17E-04	3.81E+00	6.92E-02	8.57E-01	3.06E-05	-2.15E-01	-1.65E-05	3.44E-01	5.92E-05	1.49E-01	7.11E-06	5.29E-01	1.43E-05
267	372817	755346	Offsite Worker	8.55E-01	1.82E-03	1.11E+00	4.43E-01	5.38E-01	4.14E-04	3.57E+00	6.49E-02	8.19E-01	2.92E-05	-2.17E-01	-1.67E-05	3.33E-01	5.75E-05	1.32E-01	6.30E-06	-9.40E-02	-2.54E-06
268	372720	755349	Offsite Worker	8.09E-01	1.72E-03	1.08E+00	4.30E-01	-2.63E-01	-2.03E-04	3.47E+00	6.31E-02	7.74E-01	2.76E-05	-2.15E-01	-1.66E-05	3.24E-01	5.58E-05	9.76E-02	4.65E-06	-1.29E+00	-3.49E-05
269	372624	755352	Offsite Worker	1.63E+00	3.48E-03	1.55E+00	6.19E-01	-1.58E+00	-1.22E-03	5.73E+00	1.04E-01	1.07E+00	3.84E-05	-2.15E-01	-1.65E-05	4.63E-01	7.97E-05	9.23E-02	4.40E-06	-3.67E+00	-9.91E-05
270	372527	755349	Offsite Worker	1.96E+00	4.16E-03	1.74E+00	6.95E-01	-2.43E+00	-1.87E-03	6.44E+00	1.17E-01	1.19E+00	4.24E-05	-2.17E-01	-1.67E-05	5.19E-01	8.95E-05	7.73E-02	3.68E-06	-5.16E+00	-1.39E-04
271	372431	755353	Offsite Worker	1.21E+00	2.58E-03	1.33E+00	5.31E-01	-2.22E+00	-1.71E-03	4.33E+00	7.86E-02	9.01E-01	3.22E-05	-2.23E-01	-1.72E-05	3.99E-01	6.88E-05	4.49E-02	2.14E-06	-4.55E+00	-1.23E-04
272	372334	755356	Offsite Worker	4.30E-01	9.16E-04	9.05E-01	3.62E-01	-2.18E+00	-1.67E-03	2.12E+00	3.86E-02	5.99E-01	2.14E-05	-2.33E-01	-1.79E-05	2.74E-01	4.73E-05	4.90E-03	2.33E-07	-4.15E+00	-1.12E-04
273	372237	755359	Offsite Worker	6.49E-01	1.38E-03	9.85E-01	3.94E-01	-2.16E+00	-1.66E-03	2.67E+00	4.86E-02	6.56E-01	2.34E-05	-2.17E-01	-1.67E-05	2.97E-01	5.12E-05	1.35E-02	6.45E-07	-4.17E+00	-1.13E-04
274	372141	755362	Offsite Worker	6.59E-01	1.40E-03	9.88E-01	3.95E-01	-1.30E+00	-1.00E-03	2.79E+00	5.08E-02	6.81E-01	2.43E-05	-2.15E-01	-1.66E-05	2.97E-01	5.12E-05	4.79E-02	2.28E-06	-2.80E+00	-7.58E-05
275	372044	755366	Offsite Worker	7.71E-01	1.64E-03	1.05E+00	4.19E-01	-2.55E-01	-1.96E-04	3.19E+00	5.81E-02	7.53E-01	2.69E-05	-2.13E-01	-1.64E-05	3.15E-01	5.44E-05	9.50E-02	4.52E-06	-1.27E+00	-3.42E-05
276	371948	755369	Offsite Worker	7.69E-01	1.64E-03	1.11E+00	4.42E-01	-7.09E-02	-5.46E-05	3.28E+00	5.96E-02	8.02E-01	2.86E-05	-2.34E-01	-1.80E-05	3.34E-01	5.76E-05	1.08E-01	5.15E-06	-1.06E+00	-2.86E-05
277	371851	755372	Offsite Worker	-2.49E-01	-5.29E-04	7.60E-01	3.04E-01	-1.82E+00	-1.40E-03	5.17E-01	9.39E-03	5.10E-01	1.82E-05	-3.19E-01	-2.45E-05	2.34E-01	4.04E-05	5.00E-03	2.38E-07	-3.54E+00	-9.57E-05
278	371755	755375	Offsite Worker	-1.64E+00	-3.50E-03	1.22E-01	4.87E-02	-3.34E+00	-2.57E-03	-3.39E+00	-6.16E-02	1.15E-02	4.09E-07	-3.76E-01	-2.89E-05	4.60E-02	7.94E-06	-1.18E-01	-5.62E-06	-5.39E+00	-1.46E-04
279	371658	755378	Offsite Worker	-1.75E+00	-3.72E-03	1.11E-01	4.43E-02	-4.08E+00	-3.14E-03	-3.70E+00	-6.72E-02	-1.65E-02	-5.91E-07	-3.93E-01	-3.03E-05	4.30E-02	7.41E-06	-1.48E-01	-7.06E-06	-6.52E+00	-1.76E-04
280	371562	755382	Offsite Worker	-4.72E-01	-1.00E-03	8.05E-01	3.22E-01	-1.87E+00	-1.44E-03	1.05E-01	1.91E-03	5.43E-01	1.94E-05	-3.79E-01	-2.92E-05	2.48E-01	4.28E-05	8.02E-03	3.82E-07	-3.64E+00	-9.84E-05
281	371465	755385	Offsite Worker	1.13E+00	2.40E-03	1.56E+00	6.24E-01	-3.04E-01	-2.34E-04	4.57E+00	8.31E-02	1.13E+00	4.03E-05	-3.23E-01	-2.48E-05	4.72E-01	8.13E-05	1.44E-01	6.87E-06	-1.84E+00	-4.98E-05
282	371368	755388	Offsite Worker	1.96E+00	4.16E-03	1.91E+00	7.65E-01	-6.72E-01	-5.17E-04	6.71E+00	1.22E-01	1.37E+00	4.88E-05	-2.79E-01	-2.14E-05	5.75E-01	9.91E-05	1.64E-01	7.81E-06	-2.70E+00	-7.29E-05
283	371272	755391	Offsite Worker	2.27E+00	4.84E-03	2.12E+00	8.49E-01	-2.41E-01	-1.85E-04	7.71E+00	1.40E-01	1.53E+00	5.46E-05	-2.89E-01	-2.22E-05	6.36E-01	1.10E-04	2.02E-01	9.64E-06	-2.14E+00	-5.79E-05
284	371175	755395	Offsite Worker	2.48E+00	5.27E-03	2.33E+00	9.30E-01	3.85E-01	2.96E-04	8.48E+00	1.54E-01	1.69E+00	6.05E-05	-3.19E-01	-2.45E-05	6.97E-01	1.20E-04	2.48E-01	1.18E-05	-1.31E+00	-3.53E-05
285	371079	755398	Offsite Worker	2.15E+00	4.57E-03	2.08E+00	8.32E-01	1.36E-01	1.04E-04	7.44E+00	1.35E-01	1.51E+00	5.39E-05	-2.99E-01	-2.30E-05	6.24E-01	1.08E-04	2.14E-01	1.02E-05	-1.49E+00	-4.02E-05
286	371042	755478	Offsite Worker	8.26E-01	1.76E-03	1.33E+00	5.33E-01	2.84E-01	2.19E-04	3.70E+00	6.73E-02	9.78E-01	3.49E-05	-3.02E-01	-2.33E-05	4.03E-01	6.94E-05	1.45E-01	6.90E-06	-7.08E-01	-1.91E-05
287	371009	755538	Offsite Worker	1.45E+00	3.08E-03	1.64E+00	6.55E-01	1.06E+00	8.19E-04	5.47E+00	9.95E-02	1.22E+00	4.35E-05	-2.85E-01	-2.19E-05	4.94E-01	8.51E-05	2.06E-01	9.81E-06	2.30E-01	6.22E-06
288	370975	755597	Offsite Worker	6.33E-02	1.35E-04	8.15E-01	3.26E-01	1.21E+00	9.33E-04	1.51E+00	2.75E-02	6.32E-01	2.26E-05	-2.74E-01	-2.11E-05	2.50E-01	4.31E-05	1.30E-01	6.19E-06	1.09E+00	2.95E-05
289	370925	755597	Offsite Worker	-1.22E+00	-2.60E-03	1.63E-01	6.53E-02	-3.48E-01	-2.68E-04	-2.18E+00	-3.96E-02	1.22E-01	4.36E-06	-3.04E-01	-2.34E-05	5.73E-02	9.88E-06	4.00E-03	1.90E-07	-8.00E-01	-2.16E-05
290	370860	755547	Offsite Worker	-1.53E+00	-3.26E-03	2.53E-01	1.01E-01	-2.87E+00	-2.21E-03	-2.95E+00	-5.36E-02	1.20E-01	4.27E-06	-3.99E-01	-3.07E-05	8.54E-02	1.47E-05	-8.62E-02	-4.11E-06	-4.77E+00	-1.29E-04
291	370796	755497	Offsite Worker	6.92E-01	1.47E-03	1.34E+00	5.35E-01	-1.17E+00	-9.01E-04	3.27E+00	5.95E-02	9.43E-01	3.37E-05	-3.32E-01	-2.55E-05	4.06E-01	7.00E-05	8.79E-02	4.19E-06	-3.01E+00	-8.13E-05
292	370733	755428	Offsite Worker	-5.91E-01	-1.26E-03	7.02E-01	2.81E-01	-1.85E+00	-1.43E-03	-3.17E-01	-5.76E-03	4.70E-01	1.68E-05	-3.67E-01	-2.82E-05	2.19E-01	3.77E-05	-1.98E-03	-9.44E-08	-3.59E+00	-9.70E-05
293	370634	755428	Offsite Worker	-1.19E+00	-2.54E-03	4.67E-01	1.87E-01	-2.64E+00	-2.03E-03	-1.95E+00	-3.55E-02	2.81E-01	1.00E-05	-4.06E-01	-3.13E-05	1.50E-01	2.59E-05	-5.60E-02	-2.67E-06	-4.62E+00	-1.25E-04
294	370536	755428	Offsite Worker	2.31E+00	4.91E-03	2.24E+00	8.96E-01	-6.83E-01	-5.26E-04	7.88E+00	1.43E-01	1.60E+00	5.73E-05	-3.23E-01	-2.49E-05	6.73E-01	1.16E-04	1.96E-01	9.36E-06	-2.98E+00	-8.05E-05
295	370437	755428	Offsite Worker	4.56E+00	9.70E-03	3.48E+00	**1.39E+00**	3.40E-01	2.62E-04	1.43E+01	2.60E-01	2.53E+00	9.02E-05	-3.07E-01	-2.36E-05	1.04E+00	1.80E-04	3.60E-01	1.72E-05	-2.37E+00	-6.41E-05
296	370338	755427	Offsite Worker	4.76E+00	1.01E-02	3.66E+00	**1.46E+00**	-4.54E-01	-3.49E-04	1.49E+01	2.71E-01	2.63E+00	9.40E-05	-3.30E-01	-2.54E-05	1.09E+00	1.89E-04	3.46E-01	1.65E-05	-3.74E+00	-1.01E-04
307	369249	755442	Offsite Worker	3.82E+00	8.12E-03	3.26E+00	**1.30E+00**	2.81E-01	2.16E-04	1.25E+01	2.28E-01	2.37E+00	8.46E-05	-3.79E-01	-2.92E-05	9.78E-01	1.69E-04	3.36E-01	1.60E-05	-2.33E+00	-6.28E-05
308	369151	755442	Offsite Worker	3.69E+00	7.84E-03	3.25E+00	**1.30E+00**	7.45E-01	5.73E-04	1.23E+01	2.23E-01	2.38E+00	8.48E-05	-4.02E-01	-3.09E-05	9.76E-01	1.68E-04	3.53E-01	1.68E-05	-1.65E+00	-4.46E-05
309	369052	755442	Offsite Worker	3.78E+00	8.05E-03	3.35E+00	**1.34E+00**	4.22E-01	3.24E-04	1.26E+01	2.29E-01	2.44E+00	8.71E-05	-4.17E-01	-3.21E-05	1.01E+00	1.73E-04	3.51E-01	1.67E-05	-2.24E+00	-6.05E-05
320	368035	755402	Offsite Worker	2.60E+00	5.52E-03	2.30E+00	9.21E-01	4.13E-01	3.18E-04	8.77E+00	1.60E-01	1.68E+00	6.00E-05	-2.88E-01	-2.21E-05	6.92E-01	1.19E-04	2.46E-01	1.17E-05	-1.36E+00	-3.68E-05
321	367960	755389	Offsite Worker	2.33E+00	4.96E-03	2.14E+00	8.58E-01	1.50E-01	1.15E-04	7.99E+00	1.45E-01	1.56E+00	5.56E-05	-2.85E-01	-2.19E-05	6.45E-01	1.11E-04	2.19E-01	1.04E-05	-1.65E+00	-4.47E-05
322	367863	755390	Offsite Worker	2.28E+00	4.84E-03	2.16E+00	8.65E-01	1.20E-01	9.24E-05	7.93E+00	1.44E-01	1.57E+00	5.61E-05	-3.02E-01	-2.33E-05	6.51E-01	1.12E-04	2.20E-01	1.05E-05	-1.72E+00	-4.65E-05
323	367766	755392	Offsite Worker	2.27E+00	4.83E-03	2.16E+00	8.65E-01	3.23E-01	2.49E-04	7.95E+00	1.45E-01	1.58E+00	5.63E-05	-3.04E-01	-2.34E-05	6.51E-01	1.12E-04	2.28E-01	1.09E-05	-1.41E+00	-3.82E-05
324	367669	755393	Offsite Worker	1.97E+00	4.20E-03	2.03E+00	8.12E-01	-7.76E-02	-5.97E-05	7.15E+00	1.30E-01	1.47E+00	5.26E-05	-3.17E-01	-2.44E-05	6.12E-01	1.06E-04	1.99E-01	9.49E-06	-1.94E+00	-5.23E-05
325	367572	755394	Offsite Worker	1.65E+00	3.52E-03	1.83E+00	7.32E-01	-4.09E-01	-3.15E-04	6.22E+00	1.13E-01	1.32E+00	4.71E-05	-3.11E-01	-2.40E-05	5.53E-01	9.53E-05	1.66E-01	7.92E-06	-2.28E+00	-6.17E-05
326	367475	755395	Offsite Worker	1.58E+00	3.37E-03	1.75E+00	6.99E-01	-5.36E-01	-4.12E-04	5.98E+00	1.09E-01	1.26E+00	4.48E-05	-2.97E-01	-2.28E-05	5.28E-01	9.10E-05	1.53E-01	7.30E-06	-2.40E+00	-6.48E-05
327	370400	756850	On-Site Occupational	-1.20E+00	-2.55E-03	4.11E+00	**1.64E+00**	-2.31E+00	-1.78E-03	6.05E+00	1.10E-01	2.96E+00	1.06E-04	-1.69E+00	-1.30E-04	1.26E+00	2.18E-04	3.25E-01	1.55E-05	-7.40E+00	-2.00E-04
1	367379	755396	Recreational	1.52E+00	3.24E-03	1.75E+00	7.01E-01	-5.05E-01	-3.89E-04	5.88E+00	1.07E-01	1.26E+00	4.50E-05	-3.10E-01	-2.39E-05	5.29E-01	9.12E-05	1.55E-01	7.38E-06	-2.36E+00	-6.37E-05
2	367340	755485	Recreational	1.59E+00	3.37E-03	1.80E+00	7.22E-01	1.31E-01	1.01E-04	6.23E+00	1.13E-01	1.32E+00	4.70E-05	-3.16E-01	-2.43E-05	5.45E-01	9.40E-05	1.85E-01	8.82E-06	-1.42E+00	-3.84E-05
3	367301	755573	Recreational	2.29E+00	4.87E-03	2.08E+00	8.33E-01	7.29E-02	5.61E-05	8.15E+00	1.48E-01	1.51E+00	5.40E-05	-2.72E-01	-2.09E-05	6.26E-01	1.08E-04	2.10E-01	1.00E-05	-1.70E+00	-4.61E-05
4	367263	755661	Recreational	2.60E+00	5.54E-03	2.21E+00	8.84E-01	-3.00E-01	-2.31E-04	9.05E+00	1.65E-01	1.59E+00	5.68E-05	-2.53E-01	-1.95E-05	6.63E-01	1.14E-04	2.08E-01	9.91E-06	-2.36E+00	-6.38E-05
5	367224	755749	Recreational	1.77E+00	3.78E-03	1.81E+00	7.22E-01	-1.73E-01	-1.33E-04	6.92E+00	1.26E-01	1.31E+00	4.66E-05	-2.78E-01	-2.14E-05	5.44E-01	9.38E-05	1.73E-01	8.25E-06	-1.88E+00	-5.07E-05
6	367186	755838	Recreational	1.31E+00	2.78E-03	1.53E+00	6.14E-01	3.01E-01	2.32E-04	5.72E+00	1.04E-01	1.12E+00	4.02E-05	-2.77E-01	-2.13E-05	4.64E-01	8.00E-05	1.65E-01	7.86E-06	-9.43E-01	-2.55E-05
7	367147	755926	Recreational	1.76E+00	3.74E-03	1.80E+00	7.20E-01	4.96E-01	3.82E-04	7.06E+00	1.28E-01	1.32E+00	4.71E-05	-2.79E-01	-2.15E-05	5.42E-01	9.34E-05	1.99E-01	9.48E-06	-8.00E-01	-2.16E-05
8	367109	756014	Recreational	2.58E+00	5.50E-03	2.22E+00	8.87E-01	8.49E-01	6.53E-04	9.33E+00	1.70E-01	1.63E+00	5.81E-05	-2.60E-01	-2.00E-05	6.65E-01	1.15E-04	2.55E-01	1.21E-05	-5.64E-01	-1.52E-05
9	367070	756103	Recreational	4.08E+00	8.68E-03	2.94E+00	**1.17E+00**	1.69E+00	1.30E-03	1.34E+01	2.43E-01	2.17E+00	7.74E-05	-2.11E-01	-1.63E-05	8.77E-01	1.51E-04	3.59E-01	1.71E-05	1.75E-01	4.74E-06
10	367032	756191	Recreational	4.53E+00	9.64E-03	3.22E+00	**1.29E+00**	2.21E+00	1.70E-03	1.46E+01	2.66E-01	2.38E+00	8.51E-05	-2.19E-01	-1.68E-05	9.61E-01	1.66E-04	4.07E-01	1.94E-05	7.28E-01	1.97E-05
11	366993	756279	Recreational	4.05E+00	8.62E-03	2.98E+00	**1.19E+00**	2.39E+00	1.84E-03	1.32E+01	2.40E-01	2.21E+00	7.91E-05	-2.30E-01	-1.77E-05	8.90E-01	1.53E-04	3.90E-01	1.86E-05	1.17E+00	3.16E-05
12	366954	756367	Recreational	3.74E+00	7.95E-03	2.79E+00	**1.12E+00**	1.96E+00	1.50E-03	1.21E+01	2.21E-01	2.07E+00	7.40E-05	-2.29E-01	-1.76E-05	8.36E-01	1.44E-04	3.54E-01	1.69E-05	6.10E-01	1.65E-05
13	366916	756456	Recreational	3.17E+00	6.75E-03	2.43E+00	9.73E-01	1.63E+00	1.25E-03	1.04E+01	1.89E-01	1.80E+00	6.44E-05	-2.16E-01	-1.66E-05	7.29E-01	1.26E-04	3.06E-01	1.46E-05	3.87E-01	1.05E-05
14	366877	756544	Recreational	3.49E+00	7.43E-03	2.62E+00	**1.05E+00**	1.64E+00	1.26E-03	1.12E+01	2.04E-01	1.94E+00	6.93E-05	-2.19E-01	-1.68E-05	7.85E-01	1.35E-04	3.25E-01	1.55E-05	2.59E-01	6.99E-06
15	366839	756632	Recreational	2.90E+00	6.16E-03	2.30E+00	9.22E-01	1.10E+00	8.45E-04	9.49E+00	1.73E-01	1.70E+00	6.06E-05	-2.28E-01	-1.75E-05	6.91E-01	1.19E-04	2.72E-01	1.30E-05	-3.10E-01	-8.37E-06
16	366800	756720	Recreational	2.55E+00	5.42E-03	2.13E+00	8.51E-01	9.34E-01	7.18E-04	8.48E+00	1.54E-01	1.57E+00	5.60E-05	-2.36E-01	-1.81E-05	6.40E-01	1.10E-04	2.48E-01	1.18E-05	-4.50E-01	-1.22E-05
17	366762	756809	Recreational	2.85E+00	6.07E-03	2.24E+00	8.97E-01	1.49E+00	1.14E-03	9.30E+00	1.69E-01	1.66E+00	5.94E-05	-2.14E-01	-1.64E-05	6.72E-01	1.16E-04	2.81E-01	1.34E-05	3.25E-01	8.78E-06
18	366723	756897	Recreational	2.84E+00	6.04E-03	2.27E+00	9.07E-01	1.75E+00	1.35E-03	9.32E+00	1.70E-01	1.69E+00	6.03E-05	-2.26E-01	-1.74E-05	6.80E-01	1.17E-04	2.95E-01	1.40E-05	7.47E-01	2.02E-05

Table 3-3B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study -
for Onsite Workers and Offsite Receptors - Alternative 3, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m³)	acetaldehyde Acute Hazard	acrolein (µg/m³)	acrolein Acute Hazard	benzene (µg/m³)	benzene Acute Hazard	formaldehyde (µg/m³)	formaldehyde Acute Hazard	methyl alcohol (µg/m³)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m³)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m³)	phenol (carbolic acid) Acute Hazard	styrene (µg/m³)	styrene Acute Hazard	toluene (µg/m³)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
19	366685	756985	Recreational	2.68E+00	5.70E-03	2.20E+00	8.82E-01	1.44E+00	1.10E-03	8.84E+00	1.61E-01	1.64E+00	5.84E-05	-2.36E-01	-1.82E-05	6.62E-01	1.14E-04	2.76E-01	1.31E-05	2.80E-01	7.58E-06
20	366646	757074	Recreational	2.49E+00	5.30E-03	2.07E+00	8.29E-01	1.37E+00	1.05E-03	8.24E+00	1.50E-01	1.54E+00	5.49E-05	-2.27E-01	-1.75E-05	6.23E-01	1.07E-04	2.60E-01	1.24E-05	2.59E-01	7.01E-06
21	366607	757162	Recreational	2.31E+00	4.91E-03	1.86E+00	7.46E-01	1.25E+00	9.65E-04	7.54E+00	1.37E-01	1.38E+00	4.94E-05	-1.91E-01	-1.47E-05	5.60E-01	9.65E-05	2.35E-01	1.12E-05	2.82E-01	7.63E-06
22	366569	757250	Recreational	2.41E+00	5.14E-03	1.82E+00	7.27E-01	1.17E+00	8.99E-04	7.68E+00	1.40E-01	1.35E+00	4.81E-05	-1.53E-01	-1.18E-05	5.44E-01	9.39E-05	2.27E-01	1.08E-05	2.35E-01	6.35E-06
23	366530	757338	Recreational	2.69E+00	5.71E-03	2.00E+00	7.98E-01	1.02E+00	7.86E-04	8.45E+00	1.54E-01	1.47E+00	5.25E-05	-1.61E-01	-1.24E-05	5.98E-01	1.03E-04	2.39E-01	1.14E-05	-1.41E-01	-3.81E-06
24	366492	757427	Recreational	2.75E+00	5.85E-03	2.08E+00	8.33E-01	9.41E-01	7.24E-04	8.68E+00	1.58E-01	1.53E+00	5.47E-05	-1.78E-01	-1.37E-05	6.24E-01	1.08E-04	2.44E-01	1.16E-05	-3.52E-01	-9.52E-06
25	366453	757515	Recreational	2.99E+00	6.36E-03	2.22E+00	8.89E-01	1.14E+00	8.79E-04	9.37E+00	1.70E-01	1.64E+00	5.85E-05	-1.80E-01	-1.38E-05	6.65E-01	1.15E-04	2.66E-01	1.27E-05	-1.41E-01	-3.80E-06
26	366415	757603	Recreational	2.94E+00	6.26E-03	2.18E+00	8.73E-01	1.42E+00	1.09E-03	9.23E+00	1.68E-01	1.62E+00	5.77E-05	-1.75E-01	-1.35E-05	6.53E-01	1.13E-04	2.73E-01	1.30E-05	3.11E-01	8.41E-06
27	366376	757692	Recreational	2.87E+00	6.10E-03	2.16E+00	8.64E-01	1.70E+00	1.31E-03	9.08E+00	1.65E-01	1.61E+00	5.74E-05	-1.81E-01	-1.39E-05	6.46E-01	1.11E-04	2.82E-01	1.34E-05	7.65E-01	2.07E-05
84	369336	758100	Recreational	1.00E-01	2.13E-04	8.49E-01	3.40E-01	-7.56E-01	-5.82E-04	1.44E+00	2.61E-02	6.02E-01	2.15E-05	-2.79E-01	-2.15E-05	2.60E-01	4.48E-05	5.56E-02	2.65E-06	-1.97E+00	-5.33E-05
85	369269	758170	Recreational	8.31E-01	1.77E-03	1.22E+00	4.89E-01	-1.15E-01	-8.88E-05	3.50E+00	6.36E-02	8.88E-01	3.17E-05	-2.63E-01	-2.03E-05	3.71E-01	6.39E-05	1.18E-01	5.61E-06	-1.29E+00	-3.49E-05
86	369202	758239	Recreational	1.36E+00	2.89E-03	1.54E+00	6.14E-01	-9.33E-02	-7.18E-05	4.99E+00	9.07E-02	1.11E+00	3.97E-05	-2.67E-01	-2.06E-05	4.63E-01	7.99E-05	1.50E-01	7.12E-06	-1.51E+00	-4.08E-05
87	369264	758285	Recreational	3.04E-01	6.46E-04	9.19E-01	3.68E-01	-1.06E-01	-8.16E-05	1.98E+00	3.60E-02	6.70E-01	2.39E-05	-2.63E-01	-2.02E-05	2.80E-01	4.83E-05	8.82E-02	4.20E-06	-1.02E+00	-2.75E-05
88	369326	758330	Recreational	-2.34E-01	-4.98E-04	5.63E-01	2.25E-01	-2.14E-01	-1.64E-04	3.78E-01	6.86E-03	4.10E-01	1.46E-05	-2.46E-01	-1.89E-05	1.74E-01	3.00E-05	4.88E-02	2.32E-06	-8.63E-01	-2.33E-05
89	369389	758376	Recreational	-7.73E-01	-1.64E-03	2.50E-01	9.98E-02	-7.84E-01	-6.03E-04	-1.22E+00	-2.22E-02	1.68E-01	6.01E-06	-2.44E-01	-1.88E-05	8.05E-02	1.39E-05	-4.84E-03	-2.30E-07	-1.48E+00	-4.01E-05
90	369389	758462	Recreational	-1.06E+00	-2.26E-03	8.88E-02	3.55E-02	-9.76E-01	-7.51E-04	-2.07E+00	-3.76E-02	4.80E-02	1.71E-06	-2.46E-01	-1.89E-05	3.31E-02	5.70E-06	-2.84E-02	-1.35E-06	-1.66E+00	-4.50E-05
91	369389	758548	Recreational	-1.35E+00	-2.86E-03	-6.74E-02	-2.70E-02	-1.10E+00	-8.45E-04	-2.89E+00	-5.26E-02	-6.72E-02	-2.40E-06	-2.48E-01	-1.91E-05	-1.29E-02	-2.23E-06	-4.88E-02	-2.32E-06	-1.74E+00	-4.71E-05
28	366338	757780	Residential	2.80E+00	5.95E-03	2.10E+00	8.41E-01	1.78E+00	1.37E-03	8.84E+00	1.61E-01	1.57E+00	5.60E-05	-1.76E-01	-1.36E-05	6.30E-01	1.09E-04	2.79E-01	1.33E-05	9.12E-01	2.47E-05
29	366402	757746	Residential	2.87E+00	6.10E-03	2.16E+00	8.63E-01	1.82E+00	1.40E-03	9.08E+00	1.65E-01	1.61E+00	5.75E-05	-1.81E-01	-1.39E-05	6.47E-01	1.11E-04	2.86E-01	1.36E-05	9.35E-01	2.53E-05
30	366467	757713	Residential	2.94E+00	6.25E-03	2.21E+00	8.84E-01	1.86E+00	1.43E-03	9.30E+00	1.69E-01	1.65E+00	5.89E-05	-1.86E-01	-1.43E-05	6.62E-01	1.14E-04	2.93E-01	1.39E-05	9.53E-01	2.58E-05
31	366531	757679	Residential	3.00E+00	6.38E-03	2.26E+00	9.03E-01	1.88E+00	1.45E-03	9.50E+00	1.73E-01	1.68E+00	6.01E-05	-1.90E-01	-1.46E-05	6.76E-01	1.17E-04	2.99E-01	1.42E-05	9.59E-01	2.59E-05
32	366567	757773	Residential	2.81E+00	5.97E-03	2.14E+00	8.55E-01	1.77E+00	1.36E-03	8.92E+00	1.62E-01	1.60E+00	5.70E-05	-1.87E-01	-1.43E-05	6.41E-01	1.11E-04	2.82E-01	1.34E-05	8.60E-01	2.32E-05
33	366625	757758	Residential	2.85E+00	6.06E-03	2.17E+00	8.69E-01	1.79E+00	1.38E-03	9.05E+00	1.65E-01	1.62E+00	5.79E-05	-1.90E-01	-1.46E-05	6.51E-01	1.12E-04	2.86E-01	1.36E-05	8.63E-01	2.33E-05
34	366682	757744	Residential	2.89E+00	6.14E-03	2.21E+00	8.82E-01	1.81E+00	1.39E-03	9.18E+00	1.67E-01	1.64E+00	5.87E-05	-1.94E-01	-1.49E-05	6.61E-01	1.14E-04	2.90E-01	1.38E-05	8.61E-01	2.33E-05
35	366768	757788	Residential	2.95E+00	6.28E-03	2.30E+00	9.21E-01	1.54E+00	1.19E-03	9.43E+00	1.71E-01	1.71E+00	6.10E-05	-2.15E-01	-1.65E-05	6.90E-01	1.19E-04	2.90E-01	1.38E-05	3.89E-01	1.05E-05
36	366854	757833	Residential	3.21E+00	6.84E-03	2.47E+00	9.88E-01	1.38E+00	1.06E-03	1.02E+01	1.85E-01	1.82E+00	6.51E-05	-2.22E-01	-1.70E-05	7.40E-01	1.28E-04	3.00E-01	1.43E-05	-1.45E-02	-3.91E-07
37	366941	757877	Residential	3.48E+00	7.41E-03	2.59E+00	**1.04E+00**	1.57E+00	1.21E-03	1.09E+01	1.98E-01	1.92E+00	6.85E-05	-2.11E-01	-1.62E-05	7.77E-01	1.34E-04	3.20E-01	1.52E-05	1.80E-01	4.86E-06
38	367027	757922	Residential	3.62E+00	7.70E-03	2.64E+00	**1.06E+00**	1.69E+00	1.30E-03	1.13E+01	2.05E-01	1.95E+00	6.98E-05	-1.99E-01	-1.53E-05	7.90E-01	1.36E-04	3.29E-01	1.57E-05	3.37E-01	9.12E-06
39	367113	757966	Residential	3.82E+00	8.13E-03	2.71E+00	**1.09E+00**	1.77E+00	1.36E-03	1.18E+01	2.14E-01	2.01E+00	7.17E-05	-1.85E-01	-1.42E-05	8.12E-01	1.40E-04	3.40E-01	1.62E-05	4.21E-01	1.14E-05
40	367192	757916	Residential	3.92E+00	8.34E-03	2.80E+00	**1.12E+00**	1.81E+00	1.39E-03	1.21E+01	2.20E-01	2.07E+00	7.40E-05	-1.95E-01	-1.50E-05	8.38E-01	1.44E-04	3.49E-01	1.66E-05	3.93E-01	1.06E-05
41	367264	757916	Residential	4.09E+00	8.71E-03	2.90E+00	**1.16E+00**	1.73E+00	1.33E-03	1.26E+01	2.29E-01	2.14E+00	7.65E-05	-1.97E-01	-1.51E-05	8.68E-01	1.50E-04	3.57E-01	1.70E-05	2.09E-01	5.64E-06
42	367335	757916	Residential	4.15E+00	8.83E-03	2.94E+00	**1.18E+00**	1.71E+00	1.32E-03	1.28E+01	2.32E-01	2.17E+00	7.76E-05	-2.00E-01	-1.54E-05	8.80E-01	1.52E-04	3.60E-01	1.71E-05	1.53E-01	4.13E-06
43	367343	757966	Residential	4.01E+00	8.54E-03	2.87E+00	**1.15E+00**	1.73E+00	1.33E-03	1.24E+01	2.26E-01	2.12E+00	7.58E-05	-2.02E-01	-1.55E-05	8.59E-01	1.48E-04	3.54E-01	1.69E-05	2.50E-01	6.76E-06
44	367404	757995	Residential	3.83E+00	8.16E-03	2.81E+00	**1.12E+00**	1.66E+00	1.28E-03	1.19E+01	2.17E-01	2.07E+00	7.40E-05	-2.15E-01	-1.65E-05	8.39E-01	1.45E-04	3.45E-01	1.64E-05	1.93E-01	5.23E-06
45	367465	758024	Residential	3.80E+00	8.09E-03	2.84E+00	**1.14E+00**	1.43E+00	1.10E-03	1.19E+01	2.16E-01	2.09E+00	7.46E-05	-2.33E-01	-1.79E-05	8.49E-01	1.46E-04	3.38E-01	1.61E-05	-2.20E-01	-5.95E-06
55	367673	758189	Residential	8.09E+00	1.72E-02	5.33E+00	**2.13E+00**	2.93E+00	2.25E-03	2.43E+01	4.41E-01	3.92E+00	1.40E-04	-2.45E-01	-1.89E-05	1.59E+00	2.74E-04	6.45E-01	3.07E-05	1.05E-01	2.84E-06
59	367816	758096	Residential	8.97E+00	1.91E-02	5.87E+00	**2.35E+00**	3.21E+00	2.47E-03	2.69E+01	4.88E-01	4.32E+00	1.54E-04	-2.55E-01	-1.96E-05	1.75E+00	3.01E-04	7.09E-01	3.38E-05	8.50E-02	2.30E-06
60	367898	758066	Residential	9.42E+00	2.00E-02	6.17E+00	**2.47E+00**	3.34E+00	2.57E-03	2.82E+01	5.13E-01	4.54E+00	1.62E-04	-2.73E-01	-2.10E-05	1.84E+00	3.17E-04	7.45E-01	3.55E-05	4.60E-02	1.24E-06
61	367980	758035	Residential	9.72E+00	2.07E-02	6.40E+00	**2.56E+00**	3.43E+00	2.64E-03	2.92E+01	5.30E-01	4.70E+00	1.68E-04	-2.91E-01	-2.24E-05	1.91E+00	3.29E-04	7.71E-01	3.67E-05	1.23E-02	3.33E-07
62	368062	758005	Residential	9.91E+00	2.11E-02	6.56E+00	**2.62E+00**	3.46E+00	2.66E-03	2.98E+01	5.42E-01	4.82E+00	1.72E-04	-3.09E-01	-2.38E-05	1.95E+00	3.37E-04	7.88E-01	3.75E-05	-7.24E-02	-1.96E-06
63	368144	757975	Residential	1.00E+01	2.13E-02	6.66E+00	**2.66E+00**	3.38E+00	2.60E-03	3.01E+01	5.48E-01	4.89E+00	1.75E-04	-3.26E-01	-2.50E-05	1.99E+00	3.42E-04	7.95E-01	3.78E-05	-2.84E-01	-7.68E-06
64	368226	757945	Residential	9.88E+00	2.10E-02	6.64E+00	**2.66E+00**	3.26E+00	2.51E-03	2.99E+01	5.43E-01	4.88E+00	1.74E-04	-3.45E-01	-2.65E-05	1.98E+00	3.41E-04	7.88E-01	3.75E-05	-4.61E-01	-1.25E-05
65	368301	757943	Residential	8.90E+00	1.89E-02	6.14E+00	**2.46E+00**	2.87E+00	2.21E-03	2.71E+01	4.93E-01	4.51E+00	1.61E-04	-3.67E-01	-2.83E-05	1.83E+00	3.16E-04	7.23E-01	3.45E-05	-6.65E-01	-1.80E-05
66	368376	757941	Residential	7.31E+00	1.56E-02	5.26E+00	**2.10E+00**	2.51E+00	1.93E-03	2.26E+01	4.11E-01	3.87E+00	1.38E-04	-3.77E-01	-2.90E-05	1.57E+00	2.71E-04	6.22E-01	2.96E-05	-5.35E-01	-1.45E-05
67	368452	757940	Residential	9.01E+00	1.92E-02	6.18E+00	**2.47E+00**	3.62E+00	2.79E-03	2.75E+01	4.99E-01	4.55E+00	1.63E-04	-3.57E-01	-2.75E-05	1.84E+00	3.18E-04	7.56E-01	3.60E-05	4.66E-01	1.26E-05
68	368527	757938	Residential	8.76E+00	1.86E-02	6.10E+00	**2.44E+00**	3.33E+00	2.56E-03	2.68E+01	4.88E-01	4.49E+00	1.60E-04	-3.80E-01	-2.92E-05	1.82E+00	3.14E-04	7.37E-01	3.51E-05	4.79E-02	1.30E-06
69	368563	757880	Residential	9.61E+00	2.04E-02	6.61E+00	**2.64E+00**	3.80E+00	2.92E-03	2.93E+01	5.34E-01	4.87E+00	1.74E-04	-3.87E-01	-2.98E-05	1.97E+00	3.40E-04	8.06E-01	3.84E-05	3.70E-01	1.00E-05
70	368636	757926	Residential	6.93E+00	1.48E-02	5.07E+00	**2.03E+00**	1.82E+00	1.40E-03	2.15E+01	3.91E-01	3.71E+00	1.32E-04	-3.85E-01	-2.96E-05	1.51E+00	2.61E-04	5.75E-01	2.74E-05	-1.46E+00	-3.96E-05
71	368709	757971	Residential	2.68E+00	5.71E-03	2.56E+00	**1.03E+00**	-1.74E+00	-1.34E-03	8.97E+00	1.63E-01	1.81E+00	6.47E-05	-3.63E-01	-2.79E-05	7.72E-01	1.33E-04	1.87E-01	8.88E-06	-4.96E+00	-1.34E-04
72	368782	758017	Residential	9.61E-01	2.04E-03	1.58E+00	6.30E-01	-2.83E+00	-2.18E-03	3.96E+00	7.21E-02	1.07E+00	3.82E-05	-3.62E-01	-2.79E-05	4.78E-01	8.24E-05	4.56E-02	2.17E-06	-5.84E+00	-1.58E-04
73	368855	758062	Residential	1.58E+00	3.35E-03	1.86E+00	7.45E-01	-4.38E-01	-3.37E-04	5.87E+00	1.07E-01	1.34E+00	4.79E-05	-3.39E-01	-2.61E-05	5.62E-01	9.69E-05	1.69E-01	8.04E-06	-2.33E+00	-6.29E-05
74	368928	758108	Residential	2.62E+00	5.57E-03	2.37E+00	9.50E-01	1.70E-01	1.31E-04	8.78E+00	1.60E-01	1.72E+00	6.16E-05	-3.08E-01	-2.37E-05	7.13E-01	1.23E-04	2.43E-01	1.16E-05	-1.76E+00	-4.76E-05
75	369001	758153	Residential	3.31E+00	7.05E-03	2.70E+00	**1.08E+00**	9.29E-01	7.14E-04	1.07E+01	1.95E-01	1.98E+00	7.07E-05	-2.83E-01	-2.18E-05	8.09E-01	1.40E-04	3.06E-01	1.46E-05	-8.49E-01	-2.30E-05
76	369058	758074	Residential	3.33E+00	7.08E-03	2.76E+00	**1.10E+00**	9.77E-01	7.52E-04	1.09E+01	1.98E-01	2.03E+00	7.23E-05	-3.01E-01	-2.32E-05	8.28E-01	1.43E-04	3.14E-01	1.49E-05	-8.41E-01	-2.27E-05
77	369102	758103	Residential	3.09E+00	6.58E-03	2.64E+00	**1.05E+00**	4.28E-01	3.29E-04	1.01E+01	1.85E-01	1.92E+00	6.86E-05	-3.04E-01	-2.34E-05	7.91E-01	1.36E-04	2.80E-01	1.33E-05	-1.59E+00	-4.29E-05
78	369145	758132	Residential	2.72E+00	5.78E-03	2.41E+00	9.65E-01	-2.74E-01	-2.11E-04	8.99E+00	1.63E-01	1.74E+00	6.21E-05	-3.02E-01	-2.32E-05	7.24E-01	1.25E-04	2.30E-01	1.09E-05	-2.49E+00	-6.73E-05
79	369200	758065	Residential	1.91E+00	4.05E-03	1.99E+00	7.98E-01	-2.30E-01	-1.77E-04	6.77E+00	1.23E-01	1.44E+00	5.15E-05	-3.19E-01	-2.45E-05	6.01E-01	1.04E-04	1.90E-01	9.04E-06	-2.11E+00	-5.71E-05
80	369255	757998	Residential	1.05E+00	2.23E-03	1.57E+00	6.27E-01	-4.19E-01	-3.22E-04	4.43E+00	8.05E-02	1.13E+00	4.04E-05	-3.41E-01	-2.62E-05	4.75E-01	8.20E-05	1.40E-01	6.68E-06	-2.09E+00	-5.64E-05
81	369310	757931	Residential	9.10E-01	1.94E-03	1.51E+00	6.05E-01	-1.15E+00	-8.85E-04	4.03E+00	7.32E-02	1.07E+00	3.83E-05	-3.50E-01	-2.69E-05	4.59E-01	7.92E-05	1.06E-01	5.05E-06	-3.16E+00	-8.54E-05
82	369356	757981	Residential	5.88E-01	1.25E-03	1.14E+00	4.56E-01	-1.18E+00	-9.07E-04	2.84E+00	5.16E-02	7.99E-01	2.85E-05	-2.84E-01	-2.18E-05	3.46E-01	5.97E-05	6.78E-02	3.23E-06	-2.85E+00	-7.71E-05
83	369403	758031	Residential	-3.29E-01	-7.00E-04	5.66E-01	2.26E-01	-2.88E-01	-2.22E-04	2.43E-01	4.42E-03	4.11E-01	1.47E-05	-2.66E-01	-2.05E-05	1.76E-01	3.03E-05	4.61E-02	2.19E-06	-1.01E+00	-2.73E-05
92	369389	758634	Residential	-1.45E+00	-3.09E-03	-1.35E-01	-5.39E-02	-1.32E+00	-1.01E-03	-3.24E+00	-5.89E-02	-1.22E-01	-4.34E-06	-2.46E-01	-1.89E-05	-3.28E-02	-5.65E-06	-6.42E-02	-3.05E-06	-2.04E+00	-5.50E-05
93	369469	758630	Residential	-2.55E+00	-5.42E-03	-6.65E-01	-2.66E-01	-2.78E+00	-2.14E-03	-6.37E+00	-1.16E-01	-5.41E-01	-1.93E-05	-2.81E-01	-2.17E-05	-1.89E-01	-3.26E-05	-1.74E-01	-8.31E-06	-3.89E+00	-1.05E-04
94	369549	758625	Residential	-1.61E+00	-3.42E-03	-1.20E-01	-4.79E-02	-2.99E+00	-2.30E-03	-3.71E+00	-6.75E-02	-1.56E-01	-5.56E-06	-2.84E-01	-2.18E-05	-2.73E-02	-4.70E-06	-1.29E-01	-6.13E-06	-4.66E+00	-1.26E-04
95	369630	758621	Residential	1.28E-01	2.72E-04	8.49E-01	3.40E-01	-1.74E+00	-1.34E-03	1.31E+00	2.39E-02	5.74E-01	2.05E-05	-2.74E-01	-2.11E-05	2.60E-01	4.48E-05	1.64E-02	7.81E-07	-3.51E+00	-9.49E-05

Table 3-3B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study -
for Onsite Workers and Offsite Receptors - Alternative 3, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m³)	acetaldehyde Acute Hazard	acrolein (µg/m³)	acrolein Acute Hazard	benzene (µg/m³)	benzene Acute Hazard	formaldehyde (µg/m³)	formaldehyde Acute Hazard	methyl alcohol (µg/m³)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m³)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m³)	phenol (carbolic acid) Acute Hazard	styrene (µg/m³)	styrene Acute Hazard	toluene (µg/m³)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
96	369710	758617	Residential	1.48E+00	3.16E-03	1.52E+00	6.07E-01	-1.15E-01	-8.84E-05	5.19E+00	9.44E-02	1.10E+00	3.92E-05	-2.35E-01	-1.81E-05	4.57E-01	7.87E-05	1.47E-01	6.99E-06	-1.50E+00	-4.06E-05
97	369791	758613	Residential	1.74E+00	3.70E-03	1.59E+00	6.36E-01	2.83E-01	2.18E-04	5.87E+00	1.07E-01	1.16E+00	4.14E-05	-2.10E-01	-1.61E-05	4.77E-01	8.23E-05	1.70E-01	8.10E-06	-8.98E-01	-2.43E-05
98	369791	758514	Residential	1.74E+00	3.69E-03	1.60E+00	6.40E-01	4.37E-01	3.36E-04	5.90E+00	1.07E-01	1.17E+00	4.18E-05	-2.13E-01	-1.64E-05	4.80E-01	8.28E-05	1.77E-01	8.42E-06	-6.93E-01	-1.87E-05
99	369791	758416	Residential	2.13E+00	4.53E-03	1.82E+00	7.26E-01	1.11E+00	8.57E-04	7.08E+00	1.29E-01	1.34E+00	4.80E-05	-2.10E-01	-1.62E-05	5.44E-01	9.39E-05	2.25E-01	1.07E-05	1.83E-01	4.94E-06
100	369791	758318	Residential	2.89E+00	6.15E-03	2.23E+00	8.91E-01	1.67E+00	1.28E-03	9.29E+00	1.69E-01	1.66E+00	5.91E-05	-2.01E-01	-1.55E-05	6.66E-01	1.15E-04	2.88E-01	1.37E-05	7.34E-01	1.98E-05
101	369881	758318	Residential	2.10E+00	4.46E-03	1.87E+00	7.49E-01	1.61E+00	1.24E-03	7.17E+00	1.30E-01	1.40E+00	5.00E-05	-2.36E-01	-1.81E-05	5.62E-01	9.69E-05	2.50E-01	1.19E-05	8.98E-01	2.43E-05
102	369972	758318	Residential	3.55E-01	7.56E-04	1.04E+00	4.17E-01	-1.15E+00	-8.82E-04	2.17E+00	3.94E-02	7.31E-01	2.61E-05	-2.96E-01	-2.28E-05	3.18E-01	5.47E-05	5.96E-02	2.84E-06	-2.71E+00	-7.34E-05
103	370062	758318	Residential	1.27E+00	2.70E-03	1.63E+00	6.51E-01	-1.53E+00	-1.18E-03	4.82E+00	8.77E-02	1.14E+00	4.07E-05	-3.17E-01	-2.44E-05	4.90E-01	8.45E-05	1.02E-01	4.88E-06	-3.75E+00	-1.01E-04
104	370153	758318	Residential	1.29E+00	2.74E-03	1.64E+00	6.57E-01	-1.81E+00	-1.39E-03	4.85E+00	8.81E-02	1.14E+00	4.08E-05	-3.19E-01	-2.46E-05	4.95E-01	8.54E-05	9.28E-02	4.42E-06	-4.21E+00	-1.14E-04
105	370243	758318	Residential	9.08E-01	1.93E-03	1.52E+00	6.07E-01	-2.18E+00	-1.67E-03	3.87E+00	7.03E-02	1.04E+00	3.73E-05	-3.52E-01	-2.71E-05	4.59E-01	7.91E-05	6.64E-02	3.16E-06	-4.66E+00	-1.26E-04
111	370408	758347	Residential	-1.19E-01	-2.54E-04	1.01E+00	4.04E-01	-3.29E+00	-2.53E-03	9.31E-01	1.69E-02	6.51E-01	2.32E-05	-3.81E-01	-2.93E-05	3.10E-01	5.34E-05	-2.80E-02	-1.33E-06	-6.03E+00	-1.63E-04
112	370490	758344	Residential	-1.07E+00	-2.28E-03	5.33E-01	2.13E-01	-3.39E+00	-2.61E-03	-1.69E+00	-3.08E-02	3.08E-01	1.10E-05	-4.05E-01	-3.12E-05	1.70E-01	2.93E-05	-7.93E-02	-3.78E-06	-5.85E+00	-1.58E-04
113	370572	758341	Residential	-8.86E-01	-1.89E-03	7.11E-01	2.84E-01	-3.60E+00	-2.77E-03	-1.08E+00	-1.97E-02	4.30E-01	1.54E-05	-4.31E-01	-3.31E-05	2.23E-01	3.84E-05	-6.96E-02	-3.31E-06	-6.30E+00	-1.70E-04
114	370654	758338	Residential	-5.63E-01	-1.20E-03	1.03E+00	4.12E-01	-2.88E+00	-2.22E-03	9.32E-02	1.69E-03	6.83E-01	2.44E-05	-4.78E-01	-3.68E-05	3.19E-01	5.50E-05	-9.36E-03	-4.46E-07	-5.48E+00	-1.48E-04
115	370735	758335	Residential	3.49E-01	7.42E-04	1.31E+00	5.25E-01	-2.11E+00	-1.63E-03	2.43E+00	4.42E-02	9.03E-01	3.22E-05	-3.93E-01	-3.02E-05	4.01E-01	6.91E-05	4.83E-02	2.30E-06	-4.50E+00	-1.22E-04
116	370817	758333	Residential	7.54E-01	1.60E-03	1.44E+00	5.77E-01	-9.50E-01	-7.31E-04	3.58E+00	6.50E-02	1.02E+00	3.66E-05	-3.56E-01	-2.74E-05	4.37E-01	7.54E-05	1.07E-01	5.10E-06	-2.75E+00	-7.44E-05
130	371183	758027	Residential	2.48E+00	5.28E-03	2.42E+00	9.69E-01	1.03E+00	7.89E-04	8.83E+00	1.61E-01	1.78E+00	6.37E-05	-3.52E-01	-2.71E-05	7.27E-01	1.25E-04	2.83E-01	1.35E-05	-4.40E-01	-1.19E-05
131	371248	758024	Residential	2.49E+00	5.31E-03	2.49E+00	9.98E-01	6.31E-01	4.86E-04	8.97E+00	1.63E-01	1.82E+00	6.52E-05	-3.75E-01	-2.89E-05	7.48E-01	1.29E-04	2.75E-01	1.31E-05	-1.06E+00	-2.88E-05
132	371326	758075	Residential	2.02E+00	4.29E-03	2.20E+00	8.80E-01	1.64E-01	1.27E-04	7.51E+00	1.37E-01	1.60E+00	5.71E-05	-3.68E-01	-2.83E-05	6.61E-01	1.14E-04	2.27E-01	1.08E-05	-1.56E+00	-4.21E-05
133	371404	758127	Residential	1.15E+00	2.44E-03	1.70E+00	6.80E-01	-3.88E-01	-2.98E-04	4.96E+00	9.02E-02	1.23E+00	4.38E-05	-3.67E-01	-2.82E-05	5.13E-01	8.84E-05	1.55E-01	7.40E-06	-2.02E+00	-5.46E-05
134	371481	758178	Residential	4.26E-01	9.05E-04	1.28E+00	5.11E-01	-1.02E+00	-7.88E-04	2.79E+00	5.08E-02	9.04E-01	3.23E-05	-3.64E-01	-2.80E-05	3.88E-01	6.68E-05	8.82E-02	4.20E-06	-2.69E+00	-7.27E-05
135	371559	758230	Residential	4.30E-01	9.15E-04	1.27E+00	5.09E-01	-8.46E-01	-6.51E-04	2.79E+00	5.08E-02	9.07E-01	3.24E-05	-3.62E-01	-2.78E-05	3.87E-01	6.67E-05	9.48E-02	4.52E-06	-2.42E+00	-6.54E-05
136	371637	758281	Residential	5.31E-01	1.13E-03	1.32E+00	5.28E-01	-5.79E-01	-4.46E-04	3.06E+00	5.57E-02	9.47E-01	3.38E-05	-3.58E-01	-2.75E-05	4.00E-01	6.90E-05	1.10E-01	5.24E-06	-2.05E+00	-5.54E-05
137	371715	758333	Residential	6.32E-01	1.35E-03	1.36E+00	5.44E-01	-3.35E-01	-2.58E-04	3.33E+00	6.05E-02	9.83E-01	3.51E-05	-3.52E-01	-2.70E-05	4.12E-01	7.11E-05	1.24E-01	5.88E-06	-1.71E+00	-4.62E-05
138	371769	758261	Residential	1.19E+00	2.54E-03	1.71E+00	6.85E-01	2.48E-01	1.91E-04	5.08E+00	9.24E-02	1.25E+00	4.47E-05	-3.62E-01	-2.78E-05	5.16E-01	8.90E-05	1.82E-01	8.65E-06	-1.05E+00	-2.84E-05
139	371822	758189	Residential	7.68E-01	1.63E-03	1.85E+00	7.41E-01	-1.84E-02	-1.42E-05	4.49E+00	8.16E-02	1.35E+00	4.82E-05	-4.97E-01	-3.82E-05	5.60E-01	9.65E-05	1.86E-01	8.87E-06	-1.54E+00	-4.17E-05
140	371894	758160	Residential	-1.48E-01	-3.14E-04	1.82E+00	7.27E-01	-7.80E-01	-6.00E-04	2.61E+00	4.75E-02	1.31E+00	4.68E-05	-6.70E-01	-5.15E-05	5.53E-01	9.54E-05	1.54E-01	7.36E-06	-2.66E+00	-7.18E-05
141	371894	758081	Residential	-8.00E-01	-1.70E-03	1.68E+00	6.73E-01	-1.58E+00	-1.22E-03	1.15E+00	2.09E-02	1.19E+00	4.27E-05	-7.54E-01	-5.80E-05	5.15E-01	8.89E-05	1.10E-01	5.22E-06	-3.83E+00	-1.04E-04
142	371959	758074	Residential	-8.47E-01	-1.80E-03	1.51E+00	6.04E-01	-1.45E+00	-1.12E-03	6.90E-01	1.26E-02	1.07E+00	3.83E-05	-7.03E-01	-5.41E-05	4.64E-01	7.99E-05	9.71E-02	4.62E-06	-3.53E+00	-9.53E-05
155	372055	757363	Residential	-1.38E-01	-2.93E-04	1.56E+00	6.24E-01	-5.11E-01	-3.93E-04	2.29E+00	4.16E-02	1.13E+00	4.05E-05	-5.78E-01	-4.45E-05	4.78E-01	8.25E-05	1.38E-01	6.56E-06	-2.23E+00	-6.03E-05
297	370239	755427	Residential	4.70E+00	9.99E-03	3.63E+00	**1.45E+00**	-1.05E+00	-8.11E-04	1.46E+01	2.66E-01	2.59E+00	9.25E-05	-3.30E-01	-2.54E-05	1.08E+00	1.87E-04	3.19E-01	1.52E-05	-4.67E+00	-1.26E-04
298	370138	755427	Residential	4.86E+00	1.03E-02	3.53E+00	**1.41E+00**	7.50E-01	5.77E-04	1.50E+01	2.74E-01	2.56E+00	9.16E-05	-2.60E-01	-2.00E-05	1.05E+00	1.81E-04	3.80E-01	1.81E-05	-1.76E+00	-4.75E-05
299	370040	755427	Residential	2.53E+00	5.38E-03	2.32E+00	9.29E-01	-1.31E-01	-1.01E-04	8.50E+00	1.54E-01	1.68E+00	6.00E-05	-3.08E-01	-2.37E-05	6.98E-01	1.20E-04	2.26E-01	1.08E-05	-2.22E+00	-6.00E-05
300	369941	755426	Residential	4.27E+00	9.09E-03	3.13E+00	**1.25E+00**	3.70E+00	2.84E-03	1.36E+01	2.47E-01	2.37E+00	8.45E-05	-2.40E-01	-1.85E-05	9.37E-01	1.62E-04	4.57E-01	2.18E-05	3.05E+00	8.24E-05
301	369842	755426	Residential	5.91E+00	1.26E-02	4.19E+00	**1.68E+00**	2.11E+00	1.62E-03	1.83E+01	3.32E-01	3.08E+00	1.10E-04	-2.83E-01	-2.18E-05	1.25E+00	2.16E-04	5.00E-01	2.38E-05	-2.24E-01	-6.04E-06
304	369544	755434	Residential	3.59E+00	7.64E-03	3.10E+00	**1.24E+00**	-1.04E+00	-8.02E-04	1.17E+01	2.12E-01	2.21E+00	7.90E-05	-3.67E-01	-2.82E-05	9.29E-01	1.60E-04	2.67E-01	1.27E-05	-4.25E+00	-1.15E-04
305	369445	755434	Residential	5.92E+00	1.26E-02	4.34E+00	**1.74E+00**	1.01E+00	7.73E-04	1.84E+01	3.34E-01	3.16E+00	1.13E-04	-3.34E-01	-2.57E-05	1.30E+00	2.24E-04	4.71E-01	2.24E-05	-2.10E+00	-5.68E-05
306	369346	755434	Residential	2.68E+00	5.69E-03	2.49E+00	9.98E-01	-3.83E-01	-2.95E-04	9.03E+00	1.64E-01	1.80E+00	6.42E-05	-3.39E-01	-2.61E-05	7.50E-01	1.29E-04	2.33E-01	1.11E-05	-2.80E+00	-7.55E-05
310	368953	755441	Residential	3.45E+00	7.34E-03	3.19E+00	**1.27E+00**	2.03E-01	1.57E-04	1.16E+01	2.12E-01	2.31E+00	8.26E-05	-4.26E-01	-3.28E-05	9.58E-01	1.65E-04	3.26E-01	1.55E-05	-2.45E+00	-6.63E-05
311	368854	755441	Residential	3.20E+00	6.81E-03	2.94E+00	**1.18E+00**	-7.70E-01	-5.92E-04	1.07E+01	1.95E-01	2.11E+00	7.54E-05	-3.92E-01	-3.01E-05	8.84E-01	1.52E-04	2.63E-01	1.25E-05	-3.73E+00	-1.01E-04
312	368755	755441	Residential	3.49E+00	7.43E-03	2.95E+00	**1.18E+00**	-3.80E-01	-2.92E-04	1.14E+01	2.07E-01	2.12E+00	7.57E-05	-3.34E-01	-2.57E-05	8.83E-01	1.52E-04	2.79E-01	1.33E-05	-3.08E+00	-8.32E-05
313	368657	755441	Residential	3.33E+00	7.08E-03	2.79E+00	**1.12E+00**	3.87E-01	2.97E-04	1.09E+01	1.98E-01	2.03E+00	7.25E-05	-3.12E-01	-2.40E-05	8.36E-01	1.44E-04	2.93E-01	1.40E-05	-1.77E+00	-4.78E-05
314	368558	755440	Residential	3.75E+00	7.98E-03	2.97E+00	**1.19E+00**	1.11E+00	8.51E-04	1.21E+01	2.20E-01	2.18E+00	7.79E-05	-2.91E-01	-2.24E-05	8.91E-01	1.54E-04	3.40E-01	1.62E-05	-8.00E-01	-2.16E-05
315	368459	755440	Residential	3.97E+00	8.44E-03	3.08E+00	**1.23E+00**	2.00E+00	1.54E-03	1.28E+01	2.32E-01	2.28E+00	8.16E-05	-2.86E-01	-2.20E-05	9.23E-01	1.59E-04	3.86E-01	1.84E-05	4.87E-01	1.32E-05
316	368360	755440	Residential	4.02E+00	8.55E-03	3.08E+00	**1.23E+00**	2.02E+00	1.56E-03	1.29E+01	2.35E-01	2.28E+00	8.15E-05	-2.74E-01	-2.10E-05	9.22E-01	1.59E-04	3.86E-01	1.84E-05	5.16E-01	1.40E-05
317	368262	755439	Residential	3.66E+00	7.79E-03	2.89E+00	**1.16E+00**	1.55E+00	1.20E-03	1.19E+01	2.16E-01	2.13E+00	7.61E-05	-2.78E-01	-2.14E-05	8.65E-01	1.49E-04	3.49E-01	1.66E-05	-5.17E-02	-1.40E-06
318	368186	755427	Residential	3.27E+00	6.95E-03	2.68E+00	**1.07E+00**	1.13E+00	8.71E-04	1.07E+01	1.95E-01	1.97E+00	7.04E-05	-2.86E-01	-2.20E-05	8.04E-01	1.39E-04	3.12E-01	1.48E-05	-5.41E-01	-1.46E-05
319	368111	755414	Residential	2.92E+00	6.20E-03	2.49E+00	9.96E-01	7.59E-01	5.84E-04	9.72E+00	1.77E-01	1.82E+00	6.51E-05	-2.89E-01	-2.22E-05	7.47E-01	1.29E-04	2.78E-01	1.32E-05	-9.70E-01	-2.62E-05
46	367504	757948	School	4.08E+00	8.69E-03	2.98E+00	**1.19E+00**	1.77E+00	1.36E-03	1.27E+01	2.31E-01	2.20E+00	7.85E-05	-2.24E-01	-1.72E-05	8.89E-01	1.53E-04	3.66E-01	1.74E-05	2.24E-01	6.04E-06
47	367544	757873	School	4.28E+00	9.10E-03	3.10E+00	**1.24E+00**	1.69E+00	1.30E-03	1.33E+01	2.41E-01	2.29E+00	8.17E-05	-2.30E-01	-1.77E-05	9.28E-01	1.60E-04	3.75E-01	1.79E-05	-1.06E-02	-2.87E-07
48	367587	757909	School	4.30E+00	9.14E-03	3.13E+00	**1.25E+00**	1.79E+00	1.38E-03	1.34E+01	2.43E-01	2.31E+00	8.24E-05	-2.35E-01	-1.80E-05	9.35E-01	1.61E-04	3.82E-01	1.82E-05	1.27E-01	3.43E-06
49	367623	757866	School	4.25E+00	9.05E-03	3.13E+00	**1.25E+00**	1.68E+00	1.29E-03	1.33E+01	2.41E-01	2.31E+00	8.23E-05	-2.43E-01	-1.87E-05	9.35E-01	1.61E-04	3.77E-01	1.80E-05	-6.20E-02	-1.67E-06
50	367694	757866	School	4.73E+00	1.01E-02	3.44E+00	**1.38E+00**	1.71E+00	1.32E-03	1.47E+01	2.67E-01	2.53E+00	9.03E-05	-2.57E-01	-1.97E-05	1.03E+00	1.77E-04	4.09E-01	1.95E-05	-2.56E-01	-6.91E-06
51	367716	757927	School	6.51E+00	1.39E-02	4.47E+00	**1.79E+00**	2.38E+00	1.83E-03	1.98E+01	3.60E-01	3.29E+00	1.18E-04	-2.60E-01	-2.00E-05	1.33E+00	2.30E-04	5.38E-01	2.56E-05	-7.46E-02	-2.02E-06
52	367737	757988	School	7.49E+00	1.59E-02	5.02E+00	**2.01E+00**	2.87E+00	2.21E-03	2.26E+01	4.11E-01	3.70E+00	1.32E-04	-2.55E-01	-1.96E-05	1.50E+00	2.58E-04	6.11E-01	2.91E-05	2.26E-01	6.10E-06
53	367727	758067	School	7.89E+00	1.68E-02	5.21E+00	**2.08E+00**	3.01E+00	2.31E-03	2.37E+01	4.31E-01	3.84E+00	1.37E-04	-2.43E-01	-1.87E-05	1.55E+00	2.68E-04	6.36E-01	3.03E-05	2.95E-01	7.97E-06
54	367716	758146	School	8.27E+00	1.76E-02	5.42E+00	**2.17E+00**	3.01E+00	2.32E-03	2.48E+01	4.50E-01	3.99E+00	1.42E-04	-2.41E-01	-1.85E-05	1.62E+00	2.79E-04	6.57E-01	3.13E-05	1.51E-01	4.07E-06
56	367723	758254	School	8.50E+00	1.81E-02	5.66E+00	**2.26E+00**	3.21E+00	2.47E-03	2.56E+01	4.65E-01	4.17E+00	1.49E-04	-2.79E-01	-2.15E-05	1.69E+00	2.91E-04	6.89E-01	3.28E-05	2.79E-01	7.55E-06
57	367784	758221	School	8.70E+00	1.85E-02	5.80E+00	**2.32E+00**	3.24E+00	2.49E-03	2.62E+01	4.76E-01	4.27E+00	1.52E-04	-2.86E-01	-2.20E-05	1.73E+00	2.98E-04	7.03E-01	3.35E-05	2.19E-01	5.92E-06
58	367845	758189	School	8.89E+00	1.89E-02	5.92E+00	**2.37E+00**	3.24E+00	2.49E-03	2.68E+01	4.87E-01	4.36E+00	1.56E-04	-2.92E-01	-2.25E-05	1.77E+00	3.04E-04	7.16E-01	3.41E-05	1.13E-01	3.06E-06
106	370247	758254	School	9.00E-01	1.91E-03	1.54E+00	6.16E-01	-2.31E+00	-1.78E-03	3.88E+00	7.05E-02	1.06E+00	3.78E-05	-3.62E-01	-2.78E-05	4.66E-01	8.03E-05	6.34E-02	3.02E-06	-4.89E+00	-1.32E-04
107	370250	758189	School	7.36E-01	1.57E-03	1.51E+00	6.03E-01	-2.63E+00	-2.02E-03	3.48E+00	6.32E-02	1.02E+00	3.66E-05	-3.83E-01	-2.95E-05	4.56E-01	7.86E-05	4.75E-02	2.26E-06	-5.36E+00	-1.45E-04
108	370308	758196	School	6.54E-01	1.39E-03	1.43E+00	5.71E-01	-2.32E+00	-1.79E-03	3.24E+00	5.88E-02	9.77E-01	3.49E-05	-3.72E-01	-2.86E-05	4.33E-01	7.46E-05	5.19E-02	2.47E-06	-4.82E+00	-1.30E-04
109	370361	758236	School	1.03E-01	2.20E-04	1.10E+00	4.40E-01	-3.03E+00	-2.33E-03	1.56E+00	2.84E-02	7.23E-01	2.58E-05	-3.68E-01	-2.83E-05	3.36E-01	5.80E-05	-8.67E-03	-4.13E-07	-5.68E+00	-1.54E-04
110	370415	758275	School	-2.93E-01	-6.23E-04	9.69E-01	3.88E-01	-3.61E+00	-2.78E-03	5.02E-01	9.12E-03	6.14E-01	2.19E-05	-4.02E-01	-3.09E-05	2.98E-01	5.14E-05	-4.45E-02	-2.12E-06	-6.49E+00	-1.75E-04

Table 3-3B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study -
for Onsite Workers and Offsite Receptors - Alternative 3, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde ($\mu g/m^3$)	acetaldehyde Acute Hazard	acrolein ($\mu g/m^3$)	acrolein Acute Hazard	benzene ($\mu g/m^3$)	benzene Acute Hazard	formaldehyde ($\mu g/m^3$)	formaldehyde Acute Hazard	methyl alcohol ($\mu g/m^3$)	methyl alcohol Acute Hazard	methyl ethyl ketone ($\mu g/m^3$)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) ($\mu g/m^3$)	phenol (carbolic acid) Acute Hazard	styrene ($\mu g/m^3$)	styrene Acute Hazard	toluene ($\mu g/m^3$)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
302	369741	755435	School	4.99E+00	1.06E-02	3.86E+00	**1.54E+00**	-1.58E+00	-1.21E-03	1.55E+01	2.82E-01	2.75E+00	9.81E-05	-3.55E-01	-2.73E-05	1.16E+00	1.99E-04	3.22E-01	1.53E-05	-5.70E+00	-1.54E-04
303	369643	755434	School	4.52E+00	9.61E-03	3.49E+00	**1.40E+00**	1.48E+00	1.14E-03	1.43E+01	2.61E-01	2.56E+00	9.15E-05	-3.18E-01	-2.44E-05	1.05E+00	1.80E-04	4.05E-01	1.93E-05	-7.37E-01	-1.99E-05

Note: Shaded cells indicate locations where concentrations were highest within each land use category.

Table 3-3B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study -
for Onsite Workers and Offsite Receptors - Alternative 3, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m³)	xylene, total Acute Hazard	arsenic (µg/m³)	arsenic Acute Hazard	chlorine (µg/m³)	chlorine Acute Hazard	copper (µg/m³)	copper Acute Hazard	mercury (µg/m³)	mercury Acute Hazard	nickel (µg/m³)	nickel Acute Hazard	vanadium (µg/m³)	vanadium Acute Hazard	sulfates (µg/m³)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
117	370814	758243	Offsite Worker	-1.97E+00	-8.93E-05	-1.48E-03	-7.38E-03	-1.11E-01	-5.30E-04	-7.34E-03	-7.34E-05	-8.86E-03	-1.48E-02	-5.68E-03	-9.46E-04	-8.56E-03	-2.85E-04	-5.21E+00	-4.34E-02
118	370810	758153	Offsite Worker	-1.69E+00	-7.70E-05	-1.76E-03	-8.78E-03	-1.30E-01	-6.21E-04	-8.75E-03	-8.75E-05	-1.05E-02	-1.76E-02	-6.74E-03	-1.12E-03	-1.02E-02	-3.39E-04	-6.18E+00	-5.15E-02
119	370807	758063	Offsite Worker	-1.74E+00	-7.92E-05	-2.05E-03	-1.03E-02	-1.51E-01	-7.20E-04	-1.02E-02	-1.02E-04	-1.23E-02	-2.05E-02	-7.87E-03	-1.31E-03	-1.19E-02	-3.97E-04	-7.21E+00	-6.01E-02
120	370803	757974	Offsite Worker	-3.08E+00	-1.40E-04	-2.46E-03	-1.23E-02	-1.79E-01	-8.53E-04	-1.23E-02	-1.23E-04	-1.47E-02	-2.46E-02	-9.41E-03	-1.57E-03	-1.43E-02	-4.75E-04	-8.63E+00	-7.19E-02
121	370835	757927	Offsite Worker	-4.35E+00	-1.98E-04	-2.63E-03	-1.31E-02	-1.84E-01	-8.77E-04	-1.31E-02	-1.31E-04	-1.58E-02	-2.63E-02	-1.00E-02	-1.67E-03	-1.53E-02	-5.08E-04	-9.19E+00	-7.66E-02
122	370868	757880	Offsite Worker	-4.08E+00	-1.85E-04	-2.19E-03	-1.10E-02	-1.49E-01	-7.12E-04	-1.08E-02	-1.08E-04	-1.31E-02	-2.19E-02	-8.31E-03	-1.39E-03	-1.27E-02	-4.23E-04	-7.63E+00	-6.36E-02
123	370921	757884	Offsite Worker	-4.02E+00	-1.83E-04	-2.51E-03	-1.25E-02	-1.66E-01	-7.93E-04	-1.23E-02	-1.23E-04	-1.50E-02	-2.51E-02	-9.48E-03	-1.58E-03	-1.45E-02	-4.84E-04	-8.70E+00	-7.25E-02
124	370975	757887	Offsite Worker	-2.73E+00	-1.24E-04	-2.32E-03	-1.16E-02	-1.59E-01	-7.58E-04	-1.14E-02	-1.14E-04	-1.39E-02	-2.32E-02	-8.83E-03	-1.47E-03	-1.35E-02	-4.49E-04	-8.10E+00	-6.75E-02
125	370975	757794	Offsite Worker	-1.00E+00	-4.56E-05	-1.58E-03	-7.91E-03	-1.07E-01	-5.08E-04	-7.53E-03	-7.53E-05	-9.49E-03	-1.58E-02	-6.00E-03	-1.00E-03	-9.18E-03	-3.06E-04	-5.50E+00	-4.58E-02
126	371026	757794	Offsite Worker	-1.61E+00	-7.31E-05	-1.44E-03	-7.21E-03	-8.78E-02	-4.18E-04	-6.68E-03	-6.68E-05	-8.66E-03	-1.44E-02	-5.40E-03	-9.00E-04	-8.37E-03	-2.79E-04	-4.96E+00	-4.13E-02
127	371076	757877	Offsite Worker	-7.18E-01	-3.26E-05	-1.41E-03	-7.03E-03	-8.13E-02	-3.87E-04	-6.50E-03	-6.50E-05	-8.43E-03	-1.41E-02	-5.23E-03	-8.72E-04	-8.15E-03	-2.72E-04	-4.80E+00	-4.00E-02
128	371126	757959	Offsite Worker	-1.14E-01	-5.17E-06	-1.37E-03	-6.84E-03	-7.89E-02	-3.76E-04	-6.34E-03	-6.34E-05	-8.21E-03	-1.37E-02	-5.09E-03	-8.49E-04	-7.94E-03	-2.65E-04	-4.67E+00	-3.89E-02
129	371119	758031	Offsite Worker	-7.52E-01	-3.42E-05	-1.23E-03	-6.13E-03	-7.99E-02	-3.80E-04	-5.74E-03	-5.74E-05	-7.35E-03	-1.23E-02	-4.63E-03	-7.71E-04	-7.11E-03	-2.37E-04	-4.24E+00	-3.54E-02
143	371953	757977	Offsite Worker	-2.21E+00	-1.01E-04	-1.28E-03	-6.40E-03	-1.24E-01	-5.91E-04	-6.48E-03	-6.48E-05	-7.67E-03	-1.28E-02	-5.12E-03	-8.53E-04	-7.42E-03	-2.47E-04	-4.69E+00	-3.91E-02
144	371948	757880	Offsite Worker	-2.51E+00	-1.14E-04	-1.10E-03	-5.48E-03	-8.75E-02	-4.17E-04	-5.36E-03	-5.36E-05	-6.58E-03	-1.10E-02	-4.25E-03	-7.09E-04	-6.36E-03	-2.12E-04	-3.90E+00	-3.25E-02
145	371943	757783	Offsite Worker	-6.15E+00	-2.79E-04	-1.81E-03	-9.05E-03	-1.67E-01	-7.96E-04	-9.23E-03	-9.23E-05	-1.09E-02	-1.81E-02	-7.18E-03	-1.20E-03	-1.05E-02	-3.50E-04	-6.58E+00	-5.49E-02
146	372016	757794	Offsite Worker	-5.33E+00	-2.42E-04	-1.53E-03	-7.67E-03	-1.32E-01	-6.29E-04	-7.69E-03	-7.69E-05	-9.20E-03	-1.53E-02	-6.02E-03	-1.00E-03	-8.90E-03	-2.97E-04	-5.52E+00	-4.60E-02
147	372102	757791	Offsite Worker	-5.45E+00	-2.48E-04	-1.78E-03	-8.90E-03	-1.42E-01	-6.78E-04	-8.97E-03	-8.97E-05	-1.07E-02	-1.78E-02	-6.90E-03	-1.15E-03	-1.03E-02	-3.44E-04	-6.33E+00	-5.27E-02
148	372178	757760	Offsite Worker	-3.67E+00	-1.67E-04	-1.51E-03	-7.56E-03	-1.16E-01	-5.54E-04	-7.54E-03	-7.54E-05	-9.07E-03	-1.51E-02	-5.83E-03	-9.72E-04	-8.77E-03	-2.92E-04	-5.35E+00	-4.46E-02
149	372177	757670	Offsite Worker	-1.30E+00	-5.89E-05	-1.48E-03	-7.41E-03	-1.14E-01	-5.42E-04	-7.35E-03	-7.35E-05	-8.89E-03	-1.48E-02	-5.72E-03	-9.53E-04	-8.60E-03	-2.87E-04	-5.24E+00	-4.37E-02
150	372176	757579	Offsite Worker	-1.36E+00	-6.19E-05	-1.07E-03	-5.36E-03	-8.25E-02	-3.93E-04	-5.23E-03	-5.23E-05	-6.43E-03	-1.07E-02	-4.14E-03	-6.89E-04	-6.22E-03	-2.07E-04	-3.79E+00	-3.16E-02
151	372174	757489	Offsite Worker	-2.95E+00	-1.34E-04	-8.85E-04	-4.43E-03	-6.76E-02	-3.22E-04	-4.28E-03	-4.28E-05	-5.31E-03	-8.85E-03	-3.41E-03	-5.69E-04	-5.14E-03	-1.71E-04	-3.13E+00	-2.61E-02
152	372173	757398	Offsite Worker	-2.91E+00	-1.32E-04	-1.32E-03	-6.60E-03	-9.58E-02	-4.56E-04	-6.52E-03	-6.52E-05	-7.92E-03	-1.32E-02	-5.05E-03	-8.42E-04	-7.66E-03	-2.55E-04	-4.64E+00	-3.86E-02
153	372171	757308	Offsite Worker	-5.98E-01	-2.72E-05	-1.21E-03	-6.05E-03	-6.58E-02	-3.13E-04	-5.71E-03	-5.71E-05	-7.26E-03	-1.21E-02	-4.47E-03	-7.45E-04	-7.02E-03	-2.34E-04	-4.10E+00	-3.42E-02
154	372055	757309	Offsite Worker	-5.74E-01	-2.61E-05	-3.47E-04	-1.73E-03	-2.29E-02	-1.09E-04	-1.26E-03	-1.26E-05	-2.08E-03	-3.47E-03	-1.31E-03	-2.18E-04	-2.01E-03	-6.70E-05	-1.20E+00	-1.00E-02
156	372055	757416	Offsite Worker	-1.70E+00	-7.71E-05	-3.23E-04	-1.62E-03	-4.00E-02	-1.91E-04	-1.35E-03	-1.35E-05	-1.94E-03	-3.23E-03	-1.36E-03	-2.26E-04	-1.87E-03	-6.25E-05	-1.24E+00	-1.03E-02
157	371952	757442	Offsite Worker	-1.52E+00	-6.92E-05	-9.45E-04	-4.72E-03	-8.14E-02	-3.88E-04	-4.58E-03	-4.58E-05	-5.67E-03	-9.45E-03	-3.71E-03	-6.18E-04	-5.48E-03	-1.83E-04	-3.40E+00	-2.83E-02
158	371950	757345	Offsite Worker	-3.92E+00	-1.78E-04	-1.24E-03	-6.20E-03	-1.34E-01	-6.40E-04	-6.34E-03	-6.34E-05	-7.43E-03	-1.24E-02	-5.06E-03	-8.43E-04	-7.19E-03	-2.40E-04	-4.64E+00	-3.86E-02
159	371864	757344	Offsite Worker	-2.93E+00	-1.33E-04	-9.11E-04	-4.55E-03	-1.17E-01	-5.57E-04	-4.62E-03	-4.62E-05	-5.46E-03	-9.11E-03	-3.85E-03	-6.41E-04	-5.28E-03	-1.76E-04	-3.52E+00	-2.94E-02
160	371790	757347	Offsite Worker	-2.37E+00	-1.08E-04	-1.12E-03	-5.61E-03	-1.14E-01	-5.44E-04	-5.57E-03	-5.57E-05	-6.73E-03	-1.12E-02	-4.53E-03	-7.54E-04	-6.50E-03	-2.17E-04	-4.15E+00	-3.46E-02
161	371708	757356	Offsite Worker	-1.70E+00	-7.71E-05	-1.25E-03	-6.25E-03	-1.04E-01	-4.95E-04	-6.09E-03	-6.09E-05	-7.50E-03	-1.25E-02	-4.88E-03	-8.13E-04	-7.25E-03	-2.42E-04	-4.47E+00	-3.73E-02
162	371615	757356	Offsite Worker	-2.03E+00	-9.21E-05	-1.58E-03	-7.91E-03	-1.23E-01	-5.87E-04	-7.78E-03	-7.78E-05	-9.49E-03	-1.58E-02	-6.11E-03	-1.02E-03	-9.17E-03	-3.06E-04	-5.61E+00	-4.67E-02
163	371523	757356	Offsite Worker	-2.93E+00	-1.33E-04	-1.89E-03	-9.45E-03	-1.52E-01	-7.26E-04	-9.38E-03	-9.38E-05	-1.13E-02	-1.89E-02	-7.34E-03	-1.22E-03	-1.10E-02	-3.65E-04	-6.73E+00	-5.61E-02
164	371430	757356	Offsite Worker	-2.55E+00	-1.16E-04	-2.06E-03	-1.03E-02	-1.74E-01	-8.27E-04	-1.03E-02	-1.03E-04	-1.24E-02	-2.06E-02	-8.06E-03	-1.34E-03	-1.20E-02	-3.99E-04	-7.39E+00	-6.16E-02
165	371338	757356	Offsite Worker	-2.55E+00	-1.16E-04	-2.55E-03	-1.28E-02	-2.16E-01	-1.03E-03	-1.28E-02	-1.28E-04	-1.53E-02	-2.55E-02	-9.99E-03	-1.67E-03	-1.48E-02	-4.94E-04	-9.16E+00	-7.63E-02
166	371245	757356	Offsite Worker	-4.30E+00	-1.95E-04	-3.34E-03	-1.67E-02	-2.79E-01	-1.33E-03	-1.69E-02	-1.69E-04	-2.01E-02	-3.34E-02	-1.31E-02	-2.18E-03	-1.94E-02	-6.46E-04	-1.20E+01	-9.97E-02
167	371153	757356	Offsite Worker	-6.49E+00	-2.95E-04	-4.27E-03	-2.14E-02	-3.51E-01	-1.67E-03	-2.16E-02	-2.16E-04	-2.56E-02	-4.27E-02	-1.66E-02	-2.77E-03	-2.48E-02	-8.26E-04	-1.53E+01	-1.27E-01
168	371061	757356	Offsite Worker	-8.55E+00	-3.89E-04	-5.19E-03	-2.59E-02	-4.27E-01	-2.03E-03	-2.63E-02	-2.63E-04	-3.11E-02	-5.19E-02	-2.02E-02	-3.37E-03	-3.01E-02	-1.00E-03	-1.85E+01	-1.54E-01
169	371005	757357	Offsite Worker	-9.61E+00	-4.37E-04	-5.66E-03	-2.83E-02	-4.68E-01	-2.23E-03	-2.87E-02	-2.87E-04	-3.40E-02	-5.66E-02	-2.21E-02	-3.68E-03	-3.28E-02	-1.09E-03	-2.02E+01	-1.69E-01
170	370998	757293	Offsite Worker	-8.69E+00	-3.95E-04	-5.07E-03	-2.53E-02	-4.40E-01	-2.10E-03	-2.59E-02	-2.59E-04	-3.04E-02	-5.07E-02	-1.99E-02	-3.32E-03	-2.94E-02	-9.80E-04	-1.83E+01	-1.52E-01
171	370998	757194	Offsite Worker	-3.38E+00	-1.54E-04	-2.87E-03	-1.43E-02	-2.92E-01	-1.39E-03	-1.47E-02	-1.47E-04	-1.72E-02	-2.87E-02	-1.16E-02	-1.93E-03	-1.66E-02	-5.54E-04	-1.06E+01	-8.83E-02
172	370998	757096	Offsite Worker	-1.08E+00	-4.89E-05	-2.99E-03	-1.50E-02	-3.30E-01	-1.57E-03	-1.55E-02	-1.55E-04	-1.79E-02	-2.99E-02	-1.22E-02	-2.04E-03	-1.73E-02	-5.78E-04	-1.12E+01	-9.35E-02
173	370998	756998	Offsite Worker	-7.42E+00	-3.37E-04	-8.16E-04	-4.08E-03	-1.47E-01	-7.02E-04	-4.20E-03	-4.20E-05	-4.90E-03	-8.16E-03	-3.75E-03	-6.26E-04	-4.73E-03	-1.58E-04	-3.43E+00	-2.86E-02
174	371057	756997	Offsite Worker	-3.42E+00	-1.55E-04	-1.23E-03	-6.15E-03	-1.60E-01	-7.63E-04	-6.16E-03	-6.16E-05	-7.37E-03	-1.23E-02	-5.21E-03	-8.68E-04	-7.13E-03	-2.38E-04	-4.77E+00	-3.98E-02
175	371153	756997	Offsite Worker	-2.78E+00	-1.26E-04	-9.94E-04	-4.97E-03	-1.39E-01	-6.60E-04	-5.00E-03	-5.00E-05	-5.96E-03	-9.94E-03	-4.28E-03	-7.13E-04	-5.76E-03	-1.92E-04	-3.92E+00	-3.26E-02
176	371249	756997	Offsite Worker	-3.92E+00	-1.78E-04	-8.85E-04	-4.43E-03	-1.24E-01	-5.89E-04	-4.39E-03	-4.39E-05	-5.31E-03	-8.85E-03	-3.81E-03	-6.35E-04	-5.14E-03	-1.71E-04	-3.49E+00	-2.91E-02
177	371345	756997	Offsite Worker	-5.48E+00	-2.49E-04	-7.54E-04	-3.77E-03	-1.04E-01	-4.96E-04	-3.70E-03	-3.70E-05	-4.52E-03	-7.54E-03	-3.24E-03	-5.40E-04	-4.37E-03	-1.46E-04	-2.96E+00	-2.47E-02
178	371440	756997	Offsite Worker	-3.69E+00	-1.68E-04	-1.40E-03	-7.00E-03	-1.39E-01	-6.61E-04	-6.94E-03	-6.94E-05	-8.40E-03	-1.40E-02	-5.62E-03	-9.37E-04	-8.12E-03	-2.71E-04	-5.15E+00	-4.30E-02
179	371536	756997	Offsite Worker	-2.03E+00	-9.25E-05	-1.83E-03	-9.13E-03	-1.60E-01	-7.63E-04	-9.11E-03	-9.11E-05	-1.10E-02	-1.83E-02	-7.19E-03	-1.20E-03	-1.06E-02	-3.53E-04	-6.59E+00	-5.49E-02
180	371632	756997	Offsite Worker	4.19E-02	1.90E-06	-1.37E-03	-6.87E-03	-1.23E-01	-5.85E-04	-6.76E-03	-6.76E-05	-8.25E-03	-1.37E-02	-5.42E-03	-9.04E-04	-7.97E-03	-2.66E-04	-4.97E+00	-4.14E-02
181	371728	756997	Offsite Worker	2.11E+00	9.57E-05	-3.65E-04	-1.83E-03	-3.93E-02	-1.87E-04	-1.40E-03	-1.40E-05	-2.19E-03	-3.65E-03	-1.49E-03	-2.48E-04	-2.12E-03	-7.06E-05	-1.36E+00	-1.14E-02
182	371824	756997	Offsite Worker	1.18E+00	5.36E-05	-6.13E-04	-3.06E-03	-4.71E-02	-2.24E-04	-2.66E-03	-2.66E-05	-3.68E-03	-6.13E-03	-2.36E-03	-3.94E-04	-3.55E-03	-1.18E-04	-2.17E+00	-1.81E-02
183	371920	756997	Offsite Worker	1.30E+00	5.92E-05	-5.33E-05	-2.66E-04	4.53E-03	2.16E-05	3.43E-04	3.43E-06	-3.20E-04	-5.33E-04	-1.44E-04	-2.40E-05	-3.09E-04	-1.03E-05	-1.33E-01	-1.11E-03
184	372016	756997	Offsite Worker	6.76E+00	3.07E-04	1.85E-03	9.26E-03	1.53E-01	7.30E-04	1.05E-02	1.05E-04	1.11E-02	1.85E-02	7.23E-03	1.20E-03	1.07E-02	3.58E-04	6.62E+00	5.52E-02
185	372111	756997	Offsite Worker	9.76E+00	4.43E-04	2.42E-03	1.21E-02	1.95E-01	9.31E-04	1.34E-02	1.34E-04	1.45E-02	2.42E-02	9.39E-03	1.56E-03	1.40E-02	4.67E-04	8.61E+00	7.17E-02
186	372207	756997	Offsite Worker	4.59E+00	2.09E-04	1.14E-03	5.68E-03	1.14E-01	5.42E-04	6.74E-03	6.74E-05	6.81E-03	1.14E-02	4.57E-03	7.62E-04	6.59E-03	2.20E-04	4.19E+00	3.49E-02
187	372303	756997	Offsite Worker	1.78E+00	8.11E-05	5.99E-04	2.99E-03	8.47E-02	4.03E-04	3.96E-03	3.96E-05	3.59E-03	5.99E-03	2.59E-03	4.31E-04	3.47E-03	1.16E-04	2.37E+00	1.97E-02
188	372399	756997	Offsite Worker	4.75E+00	2.16E-04	1.33E-03	6.64E-03	1.54E-01	7.33E-04	7.96E-03	7.96E-05	7.97E-03	1.33E-02	5.49E-03	9.16E-04	7.71E-03	2.57E-04	5.03E+00	4.19E-02
189	372495	756997	Offsite Worker	6.97E-01	3.17E-05	-2.69E-05	-1.35E-04	6.91E-02	3.29E-04	8.34E-04	8.34E-06	-1.62E-04	-2.69E-04	4.05E-04	6.74E-05	-1.56E-04	-5.21E-06	3.62E-01	3.02E-03
190	372591	756997	Offsite Worker	4.78E-01	2.17E-05	-3.12E-04	-1.56E-03	7.73E-02	3.68E-04	-4.93E-04	-4.93E-06	-1.87E-03	-3.12E-03	-4.80E-04	-8.00E-05	-1.81E-03	-6.03E-05	-4.53E-01	-3.77E-03
191	372610	757063	Offsite Worker	1.08E-01	4.91E-06	-4.66E-04	-2.33E-03	5.81E-02	2.77E-04	-1.46E-03	-1.46E-05	-2.79E-03	-4.66E-03	-1.13E-03	-1.88E-04	-2.70E-03	-9.00E-05	-1.04E+00	-8.70E-03
192	372612	757132	Offsite Worker	9.35E-01	4.25E-05	-4.25E-05	-2.12E-04	9.68E-02	4.61E-04	7.98E-04	7.98E-06	-2.55E-04	-4.25E-04	5.51E-04	9.19E-05	-2.46E-04	-8.21E-06	4.93E-01	4.11E-03
193	372614	757201	Offsite Worker	1.45E+00	6.60E-05	7.36E-05	3.68E-04	1.02E-01	4.85E-04	1.40E-03	1.40E-05	4.42E-04	7.36E-04	9.72E-04	1.62E-04	4.27E-04	1.42E-05	8.79E-01	7.33E-03
194	372616	757270	Offsite Worker	1.87E+00	8.51E-05	1.50E-05	7.51E-05	9.76E-02	4.65E-04	1.13E-03	1.13E-05	9.02E-05	1.50E-04	7.47E-04	1.25E-04	8.71E-05	2.90E-06	6.73E-01	5.61E-03
195	372627	757351	Offsite Worker	1.82E+00	8.28E-05	-2.92E-04	-1.46E-03	6.31E-02	3.00E-04	-6.13E-04	-6.13E-06	-1.75E-03	-2.92E-03	-5.16E-04	-8.61E-05	-1.70E-03	-5.65E-05	-4.84E-01	-4.03E-03

Table 3-3B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study -
for Onsite Workers and Offsite Receptors - Alternative 3, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m³)	xylene, total Acute Hazard	arsenic (µg/m³)	arsenic Acute Hazard	chlorine (µg/m³)	chlorine Acute Hazard	copper (µg/m³)	copper Acute Hazard	mercury (µg/m³)	mercury Acute Hazard	nickel (µg/m³)	nickel Acute Hazard	vanadium (µg/m³)	vanadium Acute Hazard	sulfates (µg/m³)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
196	372651	757422	Offsite Worker	1.33E+00	6.04E-05	-5.57E-04	-2.78E-03	3.53E-02	1.68E-04	-2.11E-03	-2.11E-05	-3.34E-03	-5.57E-03	-1.59E-03	-2.65E-04	-3.23E-03	-1.08E-04	-1.47E+00	-1.22E-02
197	372676	757494	Offsite Worker	8.16E-01	3.71E-05	-8.91E-04	-4.46E-03	1.59E-02	7.56E-05	-3.82E-03	-3.82E-05	-5.35E-03	-8.91E-03	-2.83E-03	-4.72E-04	-5.17E-03	-1.72E-04	-2.61E+00	-2.18E-02
198	372704	757569	Offsite Worker	-4.12E-01	-1.87E-05	-1.11E-03	-5.54E-03	1.10E-02	5.25E-05	-4.86E-03	-4.86E-05	-6.64E-03	-1.11E-02	-3.58E-03	-5.97E-04	-6.42E-03	-2.14E-04	-3.30E+00	-2.75E-02
199	372733	757645	Offsite Worker	-1.41E+00	-6.41E-05	-1.02E-03	-5.10E-03	1.04E-02	4.94E-05	-4.45E-03	-4.45E-05	-6.12E-03	-1.02E-02	-3.30E-03	-5.50E-04	-5.92E-03	-1.97E-04	-3.04E+00	-2.53E-02
200	372746	757702	Offsite Worker	-1.95E+00	-8.85E-05	-8.37E-04	-4.19E-03	1.96E-02	9.33E-05	-3.55E-03	-3.55E-05	-5.02E-03	-8.37E-03	-2.63E-03	-4.38E-04	-4.86E-03	-1.62E-04	-2.42E+00	-2.02E-02
201	372746	757768	Offsite Worker	-1.95E+00	-8.88E-05	-8.93E-04	-4.46E-03	3.73E-03	1.78E-05	-3.92E-03	-3.92E-05	-5.36E-03	-8.93E-03	-2.93E-03	-4.88E-04	-5.18E-03	-1.73E-04	-2.69E+00	-2.24E-02
202	372807	757781	Offsite Worker	-1.88E+00	-8.54E-05	-8.30E-04	-4.15E-03	1.94E-02	9.22E-05	-3.52E-03	-3.52E-05	-4.98E-03	-8.30E-03	-2.61E-03	-4.34E-04	-4.81E-03	-1.60E-04	-2.40E+00	-2.00E-02
203	372901	757782	Offsite Worker	-1.24E+00	-5.62E-05	-7.71E-04	-3.85E-03	5.91E-02	2.81E-04	-2.95E-03	-2.95E-05	-4.63E-03	-7.71E-03	-2.13E-03	-3.55E-04	-4.47E-03	-1.49E-04	-1.97E+00	-1.64E-02
204	372994	757783	Offsite Worker	-2.18E-01	-9.92E-06	-8.19E-04	-4.09E-03	6.58E-02	3.13E-04	-3.12E-03	-3.12E-05	-4.91E-03	-8.19E-03	-2.24E-03	-3.73E-04	-4.75E-03	-1.58E-04	-2.07E+00	-1.72E-02
205	373087	757783	Offsite Worker	3.28E-01	1.49E-05	-9.29E-04	-4.65E-03	7.85E-02	3.74E-04	-3.52E-03	-3.52E-05	-5.58E-03	-9.29E-03	-2.51E-03	-4.19E-04	-5.39E-03	-1.80E-04	-2.32E+00	-1.94E-02
206	373180	757784	Offsite Worker	7.81E-01	3.55E-05	-9.92E-04	-4.96E-03	7.82E-02	3.72E-04	-3.79E-03	-3.79E-05	-5.95E-03	-9.92E-03	-2.72E-03	-4.54E-04	-5.75E-03	-1.92E-04	-2.52E+00	-2.10E-02
207	373274	757785	Offsite Worker	1.19E+00	5.40E-05	-8.62E-04	-4.31E-03	9.57E-02	4.56E-04	-3.09E-03	-3.09E-05	-5.17E-03	-8.62E-03	-2.17E-03	-3.61E-04	-5.00E-03	-1.67E-04	-2.01E+00	-1.67E-02
208	373367	757786	Offsite Worker	1.41E+00	6.40E-05	-5.90E-04	-2.95E-03	1.19E-01	5.67E-04	-1.70E-03	-1.70E-05	-3.54E-03	-5.90E-03	-1.10E-03	-1.84E-04	-3.42E-03	-1.14E-04	-1.03E+00	-8.59E-03
209	373418	757742	Offsite Worker	1.17E+00	5.31E-05	-5.23E-04	-2.61E-03	9.61E-02	4.57E-04	-1.56E-03	-1.56E-05	-3.14E-03	-5.23E-03	-1.04E-03	-1.74E-04	-3.03E-03	-1.01E-04	-9.74E-01	-8.11E-03
210	373418	757653	Offsite Worker	1.11E+00	5.04E-05	-6.49E-04	-3.25E-03	8.53E-02	4.06E-04	-2.19E-03	-2.19E-05	-3.89E-03	-6.49E-03	-1.54E-03	-2.56E-04	-3.77E-03	-1.26E-04	-1.43E+00	-1.19E-02
211	373419	757564	Offsite Worker	1.09E+00	4.95E-05	-5.74E-04	-2.87E-03	8.09E-02	3.85E-04	-1.86E-03	-1.86E-05	-3.44E-03	-5.74E-03	-1.32E-03	-2.20E-04	-3.33E-03	-1.11E-04	-1.23E+00	-1.02E-02
212	373419	757475	Offsite Worker	1.21E+00	5.49E-05	-3.25E-04	-1.63E-03	9.71E-02	4.62E-04	-5.79E-04	-5.79E-06	-1.95E-03	-3.25E-03	-3.82E-04	-6.37E-05	-1.89E-03	-6.29E-05	-3.65E-01	-3.04E-03
213	373420	757386	Offsite Worker	1.80E+00	8.19E-05	1.37E-04	6.83E-04	1.37E-01	6.53E-04	1.90E-03	1.90E-05	8.20E-04	1.37E-03	1.43E-03	2.39E-04	7.93E-04	2.64E-05	1.30E+00	1.08E-02
214	373420	757297	Offsite Worker	1.82E+00	8.28E-05	-1.13E-04	-5.67E-04	1.13E-01	5.40E-04	6.15E-04	6.15E-06	-6.81E-04	-1.13E-03	4.35E-04	7.24E-05	-6.58E-04	-2.19E-05	3.84E-01	3.20E-03
215	373421	757207	Offsite Worker	1.52E+00	6.93E-05	-6.41E-04	-3.20E-03	5.22E-02	2.48E-04	-2.33E-03	-2.33E-05	-3.84E-03	-6.41E-03	-1.75E-03	-2.91E-04	-3.72E-03	-1.24E-04	-1.61E+00	-1.35E-02
216	373421	757118	Offsite Worker	6.97E-01	3.17E-05	-7.26E-04	-3.63E-03	3.19E-02	1.52E-04	-2.91E-03	-2.91E-05	-4.36E-03	-7.26E-03	-2.18E-03	-3.63E-04	-4.21E-03	-1.40E-04	-2.01E+00	-1.67E-02
217	373292	757117	Offsite Worker	9.63E-01	4.38E-05	-7.63E-04	-3.81E-03	3.95E-02	1.88E-04	-3.00E-03	-3.00E-05	-4.58E-03	-7.63E-03	-2.24E-03	-3.73E-04	-4.42E-03	-1.47E-04	-2.07E+00	-1.72E-02
218	373213	757118	Offsite Worker	1.25E+00	5.68E-05	-5.99E-04	-2.99E-03	6.55E-02	3.12E-04	-2.02E-03	-2.02E-05	-3.59E-03	-5.99E-03	-1.51E-03	-2.52E-04	-3.47E-03	-1.16E-04	-1.40E+00	-1.17E-02
219	373158	757066	Offsite Worker	1.15E+00	5.21E-05	-7.64E-04	-3.82E-03	3.93E-02	1.87E-04	-3.01E-03	-3.01E-05	-4.58E-03	-7.64E-03	-2.25E-03	-3.74E-04	-4.43E-03	-1.48E-04	-2.07E+00	-1.73E-02
220	373084	757026	Offsite Worker	1.08E+00	4.90E-05	-7.62E-04	-3.81E-03	4.30E-02	2.05E-04	-2.97E-03	-2.97E-05	-4.57E-03	-7.62E-03	-2.21E-03	-3.69E-04	-4.42E-03	-1.47E-04	-2.04E+00	-1.70E-02
221	373009	757011	Offsite Worker	1.01E+00	4.59E-05	-6.84E-04	-3.42E-03	5.93E-02	2.83E-04	-2.45E-03	-2.45E-05	-4.10E-03	-6.84E-03	-1.84E-03	-3.06E-04	-3.97E-03	-1.32E-04	-1.70E+00	-1.42E-02
222	372922	757009	Offsite Worker	1.69E+00	7.66E-05	-1.83E-04	-9.17E-04	1.08E-01	5.16E-04	3.43E-04	3.43E-06	-1.10E-03	-1.83E-03	1.68E-04	2.80E-05	-1.06E-03	-3.55E-05	1.39E-01	1.16E-03
223	372835	757007	Offsite Worker	1.98E+00	8.98E-05	2.36E-04	1.18E-03	1.44E-01	6.84E-04	2.64E-03	2.64E-05	1.42E-03	2.36E-03	1.81E-03	3.01E-04	1.37E-03	4.57E-05	1.64E+00	1.37E-02
224	372747	757006	Offsite Worker	1.84E+00	8.36E-05	4.79E-04	2.40E-03	1.82E-01	8.66E-04	4.05E-03	4.05E-05	2.88E-03	4.79E-03	2.89E-03	4.81E-04	2.78E-03	9.26E-05	2.63E+00	2.19E-02
225	372660	757004	Offsite Worker	1.23E+00	5.59E-05	7.58E-04	3.79E-03	1.85E-01	8.79E-04	5.19E-03	5.19E-05	4.55E-03	7.58E-03	3.83E-03	6.38E-04	4.40E-03	1.47E-04	3.49E+00	2.91E-02
226	372651	757063	Offsite Worker	6.31E-01	2.87E-05	1.23E-04	6.14E-04	1.12E-01	5.31E-04	1.55E-03	1.55E-05	7.37E-04	1.23E-03	1.20E-03	2.01E-04	7.12E-04	2.37E-05	1.09E+00	9.09E-03
227	372629	756931	Offsite Worker	3.46E+00	1.57E-04	1.12E-03	5.60E-03	1.95E-01	9.28E-04	7.20E-03	7.20E-05	6.72E-03	1.12E-02	5.10E-03	8.49E-04	6.49E-03	2.16E-04	4.66E+00	3.88E-02
228	372631	756857	Offsite Worker	3.85E+00	1.75E-04	8.41E-04	4.21E-03	1.44E-01	6.86E-04	5.48E-03	5.48E-05	5.05E-03	8.41E-03	3.81E-03	6.35E-04	4.88E-03	1.63E-04	3.49E+00	2.91E-02
229	372634	756783	Offsite Worker	3.66E+00	1.66E-04	4.72E-04	2.36E-03	9.39E-02	4.47E-04	3.36E-03	3.36E-05	2.83E-03	4.72E-03	2.23E-03	3.72E-04	2.74E-03	9.13E-05	2.04E+00	1.70E-02
230	372702	756778	Offsite Worker	3.25E+00	1.48E-04	1.63E-04	8.14E-04	6.75E-02	3.21E-04	1.79E-03	1.79E-05	9.77E-04	1.63E-03	1.02E-03	1.70E-04	9.44E-04	3.15E-05	9.29E-01	7.74E-03
231	372756	756775	Offsite Worker	2.83E+00	1.29E-04	1.72E-04	8.61E-04	6.91E-02	3.29E-04	1.82E-03	1.82E-05	1.03E-03	1.72E-03	1.06E-03	1.77E-04	9.99E-04	3.33E-05	9.69E-01	8.07E-03
232	372729	756712	Offsite Worker	2.72E+00	1.24E-04	8.49E-05	4.25E-04	5.49E-02	2.62E-04	1.32E-03	1.32E-05	5.09E-04	8.49E-04	6.73E-04	1.12E-04	4.92E-04	1.64E-05	6.12E-01	5.10E-03
233	372703	756650	Offsite Worker	1.68E+00	7.62E-05	-1.54E-04	-7.69E-04	2.76E-02	1.31E-04	-5.82E-05	-5.82E-07	-9.23E-04	-1.54E-03	-3.12E-04	-5.20E-05	-8.92E-04	-2.97E-05	-2.91E-01	-2.42E-03
234	372677	756588	Offsite Worker	2.41E+00	1.09E-04	-1.26E-04	-6.32E-04	2.11E-02	1.01E-04	2.95E-05	2.95E-07	-7.58E-04	-1.26E-03	-2.67E-04	-4.45E-05	-7.33E-04	-2.44E-05	-2.49E-01	-2.07E-03
235	372619	756588	Offsite Worker	2.25E+00	1.02E-04	4.88E-05	2.44E-04	3.81E-02	1.81E-04	1.01E-03	1.01E-05	2.93E-04	4.88E-04	4.33E-04	7.22E-05	2.83E-04	9.43E-06	3.93E-01	3.28E-03
236	372622	756509	Offsite Worker	1.23E+00	5.57E-05	-2.37E-04	-1.19E-03	1.26E-02	5.98E-05	-3.60E-04	-3.60E-06	-1.42E-03	-2.37E-03	-6.95E-04	-1.16E-04	-1.38E-03	-4.59E-05	-6.41E-01	-5.34E-03
237	372700	756511	Offsite Worker	2.45E-01	1.12E-05	-4.85E-04	-2.43E-03	-3.10E-03	-1.47E-05	-1.83E-03	-1.83E-05	-2.91E-03	-4.85E-03	-1.63E-03	-2.71E-04	-2.81E-03	-9.38E-05	-1.50E+00	-1.25E-02
238	372789	756510	Offsite Worker	-6.51E-02	-2.96E-06	-3.98E-04	-1.99E-03	1.18E-02	5.64E-05	-1.31E-03	-1.31E-05	-2.39E-03	-3.98E-03	-1.23E-03	-2.05E-04	-2.31E-03	-7.70E-05	-1.14E+00	-9.46E-03
239	372871	756509	Offsite Worker	-2.35E-01	-1.07E-05	-4.05E-04	-2.02E-03	1.88E-02	8.94E-05	-1.23E-03	-1.23E-05	-2.43E-03	-4.05E-03	-1.20E-03	-2.01E-04	-2.35E-03	-7.82E-05	-1.11E+00	-9.26E-03
240	372871	756437	Offsite Worker	-3.25E-01	-1.48E-05	-1.04E-03	-5.21E-03	-3.17E-02	-1.51E-04	-4.15E-03	-4.15E-05	-6.26E-03	-1.04E-02	-3.68E-03	-6.13E-04	-6.05E-03	-2.02E-04	-3.38E+00	-2.81E-02
241	372970	756437	Offsite Worker	-7.51E-01	-3.42E-05	-1.49E-03	-7.44E-03	-5.32E-02	-2.54E-04	-6.42E-03	-6.42E-05	-8.93E-03	-1.49E-02	-5.30E-03	-8.84E-04	-8.63E-03	-2.88E-04	-4.87E+00	-4.06E-02
242	373069	756437	Offsite Worker	-5.70E-01	-2.59E-05	-1.26E-03	-6.32E-03	-3.33E-02	-1.59E-04	-5.33E-03	-5.33E-05	-7.58E-03	-1.26E-02	-4.42E-03	-7.36E-04	-7.33E-03	-2.44E-04	-4.06E+00	-3.38E-02
243	373168	756437	Offsite Worker	-3.85E-01	-1.75E-05	-8.18E-04	-4.09E-03	-7.00E-03	-3.33E-05	-3.20E-03	-3.20E-05	-4.91E-03	-8.18E-03	-2.76E-03	-4.59E-04	-4.74E-03	-1.58E-04	-2.53E+00	-2.11E-02
244	373267	756437	Offsite Worker	-2.32E-01	-1.05E-05	-7.82E-04	-3.91E-03	-5.76E-03	-2.74E-05	-3.07E-03	-3.07E-05	-4.69E-03	-7.82E-03	-2.63E-03	-4.38E-04	-4.54E-03	-1.51E-04	-2.42E+00	-2.01E-02
245	373412	756437	Offsite Worker	-7.71E-02	-3.50E-06	-7.37E-04	-3.69E-03	-7.09E-03	-3.37E-05	-2.93E-03	-2.93E-05	-4.42E-03	-7.37E-03	-2.49E-03	-4.15E-04	-4.28E-03	-1.43E-04	-2.29E+00	-1.91E-02
246	373409	756339	Offsite Worker	-1.53E+00	-6.94E-05	-1.29E-03	-6.47E-03	-4.86E-02	-2.31E-04	-5.76E-03	-5.76E-05	-7.76E-03	-1.29E-02	-4.63E-03	-7.71E-04	-7.50E-03	-2.50E-04	-4.25E+00	-3.54E-02
247	373406	756240	Offsite Worker	-1.59E+00	-7.25E-05	-1.36E-03	-6.78E-03	-6.36E-02	-3.03E-04	-6.38E-03	-6.38E-05	-8.14E-03	-1.36E-02	-4.94E-03	-8.24E-04	-7.87E-03	-2.62E-04	-4.54E+00	-3.78E-02
248	373403	756142	Offsite Worker	-5.91E-01	-2.69E-05	-7.25E-04	-3.63E-03	-1.79E-02	-8.54E-05	-3.12E-03	-3.12E-05	-4.35E-03	-7.25E-03	-2.53E-03	-4.21E-04	-4.21E-03	-1.40E-04	-2.32E+00	-1.94E-02
249	373400	756042	Offsite Worker	-1.10E+00	-5.00E-05	-1.11E-03	-5.53E-03	-6.35E-02	-3.03E-04	-5.23E-03	-5.23E-05	-6.63E-03	-1.11E-02	-4.11E-03	-6.85E-04	-6.41E-03	-2.14E-04	-3.77E+00	-3.14E-02
250	373397	755944	Offsite Worker	-5.97E-01	-2.72E-05	-1.17E-03	-5.86E-03	-7.05E-02	-3.36E-04	-5.64E-03	-5.64E-05	-7.04E-03	-1.17E-02	-4.38E-03	-7.31E-04	-6.80E-03	-2.27E-04	-4.02E+00	-3.35E-02
251	373393	755846	Offsite Worker	2.13E-01	9.68E-06	-1.50E-03	-7.49E-03	-8.88E-02	-4.23E-04	-7.20E-03	-7.20E-05	-8.99E-03	-1.50E-02	-5.59E-03	-9.32E-04	-8.69E-03	-2.90E-04	-5.13E+00	-4.28E-02
252	373390	755747	Offsite Worker	2.66E-01	1.21E-05	-1.23E-03	-6.16E-03	-6.57E-02	-3.13E-04	-5.83E-03	-5.83E-05	-7.39E-03	-1.23E-02	-4.55E-03	-7.58E-04	-7.15E-03	-2.38E-04	-4.17E+00	-3.48E-02
253	373309	755744	Offsite Worker	2.14E-01	9.71E-06	-1.29E-03	-6.45E-03	-6.93E-02	-3.30E-04	-6.11E-03	-6.11E-05	-7.74E-03	-1.29E-02	-4.76E-03	-7.94E-04	-7.48E-03	-2.49E-04	-4.37E+00	-3.64E-02
254	373229	755743	Offsite Worker	1.55E-01	7.04E-06	-1.34E-03	-6.70E-03	-7.16E-02	-3.41E-04	-6.34E-03	-6.34E-05	-8.04E-03	-1.34E-02	-4.94E-03	-8.24E-04	-7.77E-03	-2.59E-04	-4.54E+00	-3.78E-02
255	373143	755741	Offsite Worker	8.65E-02	3.93E-06	-1.46E-03	-7.28E-03	-8.05E-02	-3.83E-04	-6.92E-03	-6.92E-05	-8.74E-03	-1.46E-02	-5.39E-03	-8.99E-04	-8.45E-03	-2.82E-04	-4.95E+00	-4.12E-02
256	373143	755823	Offsite Worker	1.14E-01	5.17E-06	-1.56E-03	-7.79E-03	-8.99E-02	-4.28E-04	-7.45E-03	-7.45E-05	-9.35E-03	-1.56E-02	-5.80E-03	-9.67E-04	-9.04E-03	-3.01E-04	-5.32E+00	-4.44E-02
257	373143	755906	Offsite Worker	-3.66E-01	-1.66E-05	-1.50E-03	-7.52E-03	-9.90E-02	-4.71E-04	-7.30E-03	-7.30E-05	-9.03E-03	-1.50E-02	-5.68E-03	-9.47E-04	-8.72E-03	-2.91E-04	-5.21E+00	-4.35E-02
258	373065	755906	Offsite Worker	-4.34E-01	-1.97E-05	-1.51E-03	-7.53E-03	-1.02E-01	-4.87E-04	-7.33E-03	-7.33E-05	-9.04E-03	-1.51E-02	-5.71E-03	-9.52E-04	-8.74E-03	-2.91E-04	-5.24E+00	-4.37E-02
259	373065	755827	Offsite Worker	-2.71E-01	-1.23E-05	-1.74E-03	-8.71E-03	-1.13E-01	-5.36E-04	-8.44E-03	-8.44E-05	-1.05E-02	-1.74E-02	-6.57E-03	-1.09E-03	-1.01E-02	-3.37E-04	-6.03E+00	-5.02E-02
260	373068	755733	Offsite Worker	1.33E-01	6.03E-06	-1.42E-03	-7.11E-03	-7.46E-02	-3.55E-04	-6.71E-03	-6.71E-05	-8.54E-03	-1.42E-02	-5.24E-03	-8.73E-04	-8.25E-03	-2.75E-04	-4.81E+00	-4.01E-02

Table 3-3B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study -
for Onsite Workers and Offsite Receptors - Alternative 3, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m³)	xylene, total Acute Hazard	arsenic (µg/m³)	arsenic Acute Hazard	chlorine (µg/m³)	chlorine Acute Hazard	copper (µg/m³)	copper Acute Hazard	mercury (µg/m³)	mercury Acute Hazard	nickel (µg/m³)	nickel Acute Hazard	vanadium (µg/m³)	vanadium Acute Hazard	sulfates (µg/m³)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
261	373007	755733	Offsite Worker	3.15E-02	1.43E-06	-1.36E-03	-6.82E-03	-6.93E-02	-3.30E-04	-6.40E-03	-6.40E-05	-8.19E-03	-1.36E-02	-5.01E-03	-8.35E-04	-7.91E-03	-2.64E-04	-4.60E+00	-3.83E-02
262	372941	755733	Offsite Worker	-1.98E-01	-8.98E-06	-1.32E-03	-6.61E-03	-6.34E-02	-3.02E-04	-6.16E-03	-6.16E-05	-7.93E-03	-1.32E-02	-4.83E-03	-8.05E-04	-7.67E-03	-2.56E-04	-4.43E+00	-3.69E-02
263	372941	755636	Offsite Worker	-8.19E-01	-3.72E-05	-1.42E-03	-7.08E-03	-7.33E-02	-3.49E-04	-6.75E-03	-6.75E-05	-8.49E-03	-1.42E-02	-5.21E-03	-8.68E-04	-8.21E-03	-2.74E-04	-4.78E+00	-3.98E-02
264	372941	755539	Offsite Worker	-7.74E-01	-3.52E-05	-1.40E-03	-6.98E-03	-7.86E-02	-3.74E-04	-6.74E-03	-6.74E-05	-8.38E-03	-1.40E-02	-5.18E-03	-8.64E-04	-8.10E-03	-2.70E-04	-4.76E+00	-3.96E-02
265	372941	755442	Offsite Worker	4.76E-01	2.16E-05	-1.77E-03	-8.85E-03	-1.04E-01	-4.95E-04	-8.61E-03	-8.61E-05	-1.06E-02	-1.77E-02	-6.60E-03	-1.10E-03	-1.03E-02	-3.42E-04	-6.06E+00	-5.05E-02
266	372913	755342	Offsite Worker	4.86E-01	2.21E-05	-2.79E-03	-1.39E-02	-1.81E-01	-8.60E-04	-1.39E-02	-1.39E-04	-1.67E-02	-2.79E-02	-1.05E-02	-1.75E-03	-1.62E-02	-5.39E-04	-9.65E+00	-8.04E-02
267	372817	755346	Offsite Worker	-1.92E-02	-8.72E-07	-4.31E-03	-2.15E-02	-2.78E-01	-1.33E-03	-2.15E-02	-2.15E-04	-2.58E-02	-4.31E-02	-1.62E-02	-2.71E-03	-2.50E-02	-8.33E-04	-1.49E+01	-1.24E-01
268	372720	755349	Offsite Worker	-1.16E+00	-5.29E-05	-6.76E-03	-3.38E-02	-4.49E-01	-2.14E-03	-3.40E-02	-3.40E-04	-4.06E-02	-6.76E-02	-2.56E-02	-4.26E-03	-3.92E-02	-1.31E-03	-2.35E+01	-1.95E-01
269	372624	755352	Offsite Worker	-3.47E+00	-1.58E-04	-1.03E-02	-5.13E-02	-6.92E-01	-3.29E-03	-5.19E-02	-5.19E-04	-6.16E-02	-1.03E-01	-3.89E-02	-6.48E-03	-5.95E-02	-1.98E-03	-3.57E+01	-2.97E-01
270	372527	755349	Offsite Worker	-4.90E+00	-2.23E-04	-7.42E-03	-3.71E-02	-5.06E-01	-2.41E-03	-3.75E-02	-3.75E-04	-4.45E-02	-7.42E-02	-2.82E-02	-4.69E-03	-4.30E-02	-1.43E-03	-2.58E+01	-2.15E-01
271	372431	755353	Offsite Worker	-4.28E+00	-1.94E-04	-6.60E-03	-3.30E-02	-4.58E-01	-2.18E-03	-3.34E-02	-3.34E-04	-3.96E-02	-6.60E-02	-2.51E-02	-4.19E-03	-3.83E-02	-1.28E-03	-2.30E+01	-1.92E-01
272	372334	755356	Offsite Worker	-3.86E+00	-1.75E-04	-5.91E-03	-2.96E-02	-4.10E-01	-1.95E-03	-2.98E-02	-2.98E-04	-3.55E-02	-5.91E-02	-2.25E-02	-3.75E-03	-3.43E-02	-1.14E-03	-2.06E+01	-1.72E-01
273	372237	755359	Offsite Worker	-3.89E+00	-1.77E-04	-5.44E-03	-2.72E-02	-3.74E-01	-1.78E-03	-2.73E-02	-2.73E-04	-3.26E-02	-5.44E-02	-2.07E-02	-3.44E-03	-3.16E-02	-1.05E-03	-1.90E+01	-1.58E-01
274	372141	755362	Offsite Worker	-2.61E+00	-1.19E-04	-1.02E-02	-5.12E-02	-7.08E-01	-3.37E-03	-5.18E-02	-5.18E-04	-6.15E-02	-1.02E-01	-3.90E-02	-6.49E-03	-5.94E-02	-1.98E-03	-3.57E+01	-2.98E-01
275	372044	755366	Offsite Worker	-1.14E+00	-5.16E-05	-1.05E-02	-5.27E-02	-7.31E-01	-3.48E-03	-5.33E-02	-5.33E-04	-6.33E-02	-1.05E-01	-4.01E-02	-6.69E-03	-6.12E-02	-2.04E-03	-3.68E+01	-3.07E-01
276	371948	755369	Offsite Worker	-9.20E-01	-4.18E-05	-5.70E-03	-2.85E-02	-3.92E-01	-1.87E-03	-2.87E-02	-2.87E-04	-3.42E-02	-5.70E-02	-2.17E-02	-3.61E-03	-3.31E-02	-1.10E-03	-1.99E+01	-1.66E-01
277	371851	755372	Offsite Worker	-3.19E+00	-1.45E-04	-5.02E-03	-2.51E-02	-3.51E-01	-1.67E-03	-2.54E-02	-2.54E-04	-3.01E-02	-5.02E-02	-1.91E-02	-3.19E-03	-2.91E-02	-9.71E-04	-1.75E+01	-1.46E-01
278	371755	755375	Offsite Worker	-4.87E+00	-2.22E-04	-5.04E-03	-2.52E-02	-3.55E-01	-1.69E-03	-2.55E-02	-2.55E-04	-3.02E-02	-5.04E-02	-1.92E-02	-3.20E-03	-2.92E-02	-9.74E-04	-1.76E+01	-1.47E-01
279	371658	755378	Offsite Worker	-5.94E+00	-2.70E-04	-4.74E-03	-2.37E-02	-3.30E-01	-1.57E-03	-2.39E-02	-2.39E-04	-2.85E-02	-4.74E-02	-1.80E-02	-3.01E-03	-2.75E-02	-9.17E-04	-1.66E+01	-1.38E-01
280	371562	755382	Offsite Worker	-3.26E+00	-1.48E-04	-3.56E-03	-1.78E-02	-2.41E-01	-1.15E-03	-1.78E-02	-1.78E-04	-2.14E-02	-3.56E-02	-1.35E-02	-2.25E-03	-2.06E-02	-6.88E-04	-1.24E+01	-1.03E-01
281	371465	755385	Offsite Worker	-1.63E+00	-7.39E-05	-2.58E-03	-1.29E-02	-1.70E-01	-8.11E-04	-1.27E-02	-1.27E-04	-1.55E-02	-2.58E-02	-9.75E-03	-1.62E-03	-1.50E-02	-4.99E-04	-8.94E+00	-7.45E-02
282	371368	755388	Offsite Worker	-2.49E+00	-1.13E-04	-1.95E-03	-9.76E-03	-1.39E-01	-6.63E-04	-9.74E-03	-9.74E-05	-1.17E-02	-1.95E-02	-7.45E-03	-1.24E-03	-1.13E-02	-3.77E-04	-6.84E+00	-5.70E-02
283	371272	755391	Offsite Worker	-1.98E+00	-9.02E-05	-1.99E-03	-9.96E-03	-1.47E-01	-7.00E-04	-9.97E-03	-9.97E-05	-1.20E-02	-1.99E-02	-7.64E-03	-1.27E-03	-1.16E-02	-3.85E-04	-7.01E+00	-5.84E-02
284	371175	755395	Offsite Worker	-1.19E+00	-5.43E-05	-2.10E-03	-1.05E-02	-1.57E-01	-7.48E-04	-1.05E-02	-1.05E-04	-1.26E-02	-2.10E-02	-8.06E-03	-1.34E-03	-1.22E-02	-4.05E-04	-7.39E+00	-6.16E-02
285	371079	755398	Offsite Worker	-1.37E+00	-6.21E-05	-2.20E-03	-1.10E-02	-1.64E-01	-7.79E-04	-1.10E-02	-1.10E-04	-1.32E-02	-2.20E-02	-8.46E-03	-1.41E-03	-1.28E-02	-4.26E-04	-7.76E+00	-6.47E-02
286	371042	755478	Offsite Worker	-5.54E-01	-2.52E-05	-2.04E-03	-1.02E-02	-1.55E-01	-7.40E-04	-1.01E-02	-1.01E-04	-1.22E-02	-2.04E-02	-7.84E-03	-1.31E-03	-1.18E-02	-3.93E-04	-7.19E+00	-5.99E-02
287	371009	755538	Offsite Worker	3.17E-01	1.44E-05	-1.79E-03	-8.95E-03	-1.46E-01	-6.95E-04	-8.86E-03	-8.86E-05	-1.07E-02	-1.79E-02	-6.96E-03	-1.16E-03	-1.04E-02	-3.46E-04	-6.38E+00	-5.32E-02
288	370975	755597	Offsite Worker	1.19E+00	5.43E-05	-1.90E-03	-9.50E-03	-1.48E-01	-7.05E-04	-9.25E-03	-9.25E-05	-1.14E-02	-1.90E-02	-7.34E-03	-1.22E-03	-1.10E-02	-3.67E-04	-6.73E+00	-5.61E-02
289	370925	755597	Offsite Worker	-5.47E-01	-2.49E-05	-1.96E-03	-9.80E-03	-1.55E-01	-7.36E-04	-9.48E-03	-9.48E-05	-1.18E-02	-1.96E-02	-7.59E-03	-1.26E-03	-1.14E-02	-3.79E-04	-6.96E+00	-5.80E-02
290	370860	755547	Offsite Worker	-4.28E+00	-1.94E-04	-2.76E-03	-1.38E-02	-2.20E-01	-1.05E-03	-1.37E-02	-1.37E-04	-1.66E-02	-2.76E-02	-1.07E-02	-1.79E-03	-1.60E-02	-5.34E-04	-9.83E+00	-8.19E-02
291	370796	755497	Offsite Worker	-2.71E+00	-1.23E-04	-3.20E-03	-1.60E-02	-2.35E-01	-1.12E-03	-1.57E-02	-1.57E-04	-1.92E-02	-3.20E-02	-1.23E-02	-2.04E-03	-1.85E-02	-6.18E-04	-1.12E+01	-9.36E-02
292	370733	755428	Offsite Worker	-3.19E+00	-1.45E-04	-3.05E-03	-1.53E-02	-2.27E-01	-1.08E-03	-1.52E-02	-1.52E-04	-1.83E-02	-3.05E-02	-1.17E-02	-1.95E-03	-1.77E-02	-5.90E-04	-1.07E+01	-8.95E-02
293	370634	755428	Offsite Worker	-4.14E+00	-1.88E-04	-4.17E-03	-2.09E-02	-3.08E-01	-1.47E-03	-2.08E-02	-2.08E-04	-2.50E-02	-4.17E-02	-1.60E-02	-2.67E-03	-2.42E-02	-8.07E-04	-1.47E+01	-1.22E-01
294	370536	755428	Offsite Worker	-2.75E+00	-1.25E-04	-6.01E-03	-3.00E-02	-4.33E-01	-2.06E-03	-3.01E-02	-3.01E-04	-3.60E-02	-6.01E-02	-2.30E-02	-3.83E-03	-3.48E-02	-1.16E-03	-2.11E+01	-1.76E-01
295	370437	755428	Offsite Worker	-2.27E+00	-1.03E-04	-5.66E-03	-2.83E-02	-4.05E-01	-1.93E-03	-2.82E-02	-2.82E-04	-3.40E-02	-5.66E-02	-2.16E-02	-3.60E-03	-3.28E-02	-1.09E-03	-1.98E+01	-1.65E-01
296	370338	755427	Offsite Worker	-3.57E+00	-1.62E-04	-5.27E-03	-2.64E-02	-3.80E-01	-1.81E-03	-2.62E-02	-2.62E-04	-3.16E-02	-5.27E-02	-2.02E-02	-3.36E-03	-3.06E-02	-1.02E-03	-1.85E+01	-1.54E-01
307	369249	755442	Offsite Worker	-2.16E+00	-9.80E-05	-1.70E-03	-8.48E-03	-1.39E-01	-6.64E-04	-8.41E-03	-8.41E-05	-1.02E-02	-1.70E-02	-6.61E-03	-1.10E-03	-9.84E-03	-3.28E-04	-6.06E+00	-5.05E-02
308	369151	755442	Offsite Worker	-1.48E+00	-6.74E-05	-1.02E-03	-5.12E-03	-8.87E-02	-4.22E-04	-4.82E-03	-4.82E-05	-6.14E-03	-1.02E-02	-4.02E-03	-6.70E-04	-5.94E-03	-1.98E-04	-3.69E+00	-3.07E-02
309	369052	755442	Offsite Worker	-2.04E+00	-9.26E-05	-8.55E-04	-4.27E-03	-7.39E-02	-3.52E-04	-3.97E-03	-3.97E-05	-5.13E-03	-8.55E-03	-3.36E-03	-5.59E-04	-4.96E-03	-1.65E-04	-3.08E+00	-2.56E-02
320	368035	755402	Offsite Worker	-1.23E+00	-5.58E-05	-1.48E-03	-7.42E-03	-1.24E-01	-5.89E-04	-7.45E-03	-7.45E-05	-8.91E-03	-1.48E-02	-5.80E-03	-9.66E-04	-8.61E-03	-2.87E-04	-5.31E+00	-4.43E-02
321	367960	755389	Offsite Worker	-1.49E+00	-6.78E-05	-1.56E-03	-7.82E-03	-1.29E-01	-6.17E-04	-7.87E-03	-7.87E-05	-9.38E-03	-1.56E-02	-6.10E-03	-1.02E-03	-9.07E-03	-3.02E-04	-5.59E+00	-4.66E-02
322	367863	755390	Offsite Worker	-1.54E+00	-7.02E-05	-1.57E-03	-7.86E-03	-1.34E-01	-6.40E-04	-7.99E-03	-7.99E-05	-9.43E-03	-1.57E-02	-6.16E-03	-1.03E-03	-9.12E-03	-3.04E-04	-5.65E+00	-4.71E-02
323	367766	755392	Offsite Worker	-1.25E+00	-5.67E-05	-1.36E-03	-6.79E-03	-1.21E-01	-5.75E-04	-6.93E-03	-6.93E-05	-8.15E-03	-1.36E-02	-5.36E-03	-8.93E-04	-7.88E-03	-2.63E-04	-4.91E+00	-4.09E-02
324	367669	755393	Offsite Worker	-1.73E+00	-7.85E-05	-1.05E-03	-5.23E-03	-9.75E-02	-4.64E-04	-5.31E-03	-5.31E-05	-6.27E-03	-1.05E-02	-4.16E-03	-6.93E-04	-6.06E-03	-2.02E-04	-3.81E+00	-3.17E-02
325	367572	755394	Offsite Worker	-2.05E+00	-9.31E-05	-8.61E-04	-4.31E-03	-8.10E-02	-3.86E-04	-4.32E-03	-4.32E-05	-5.17E-03	-8.61E-03	-3.43E-03	-5.71E-04	-5.00E-03	-1.67E-04	-3.14E+00	-2.62E-02
326	367475	755395	Offsite Worker	-2.17E+00	-9.85E-05	-8.79E-04	-4.39E-03	-8.08E-02	-3.85E-04	-4.39E-03	-4.39E-05	-5.27E-03	-8.79E-03	-3.48E-03	-5.81E-04	-5.10E-03	-1.70E-04	-3.19E+00	-2.66E-02
327	370400	756850	On-Site Occupational	-6.13E+00	-2.79E-04	-2.54E-03	-1.27E-02	-3.71E-01	-1.77E-03	-1.35E-02	-1.35E-04	-1.53E-02	-2.54E-02	-1.11E-02	-1.84E-03	-1.48E-02	-4.92E-04	-1.01E+01	-8.44E-02
1	367379	755396	Recreational	-2.12E+00	-9.63E-05	-8.06E-04	-4.03E-03	-7.79E-02	-3.71E-04	-4.04E-03	-4.04E-05	-4.84E-03	-8.06E-03	-3.22E-03	-5.37E-04	-4.67E-03	-1.56E-04	-2.95E+00	-2.46E-02
2	367340	755485	Recreational	-1.23E+00	-5.57E-05	-5.96E-04	-2.98E-03	-6.64E-02	-3.16E-04	-2.99E-03	-2.99E-05	-3.58E-03	-5.96E-03	-2.45E-03	-4.08E-04	-3.46E-03	-1.15E-04	-2.24E+00	-1.87E-02
3	367301	755573	Recreational	-1.55E+00	-7.05E-05	-6.41E-04	-3.21E-03	-6.65E-02	-3.17E-04	-3.17E-03	-3.17E-05	-3.85E-03	-6.41E-03	-2.60E-03	-4.33E-04	-3.72E-03	-1.24E-04	-2.38E+00	-1.98E-02
4	367263	755661	Recreational	-2.20E+00	-1.00E-04	-8.81E-04	-4.41E-03	-7.79E-02	-3.71E-04	-4.33E-03	-4.33E-05	-5.29E-03	-8.81E-03	-3.47E-03	-5.79E-04	-5.11E-03	-1.70E-04	-3.18E+00	-2.65E-02
5	367224	755749	Recreational	-1.69E+00	-7.66E-05	-7.25E-04	-3.62E-03	-6.48E-02	-3.08E-04	-3.51E-03	-3.51E-05	-4.35E-03	-7.25E-03	-2.86E-03	-4.77E-04	-4.20E-03	-1.40E-04	-2.62E+00	-2.19E-02
6	367186	755838	Recreational	-7.75E-01	-3.52E-05	-6.85E-04	-3.43E-03	-6.13E-02	-2.92E-04	-3.31E-03	-3.31E-05	-4.11E-03	-6.85E-03	-2.70E-03	-4.51E-04	-3.97E-03	-1.32E-04	-2.48E+00	-2.07E-02
7	367147	755926	Recreational	-6.72E-01	-3.06E-05	-6.16E-04	-3.08E-03	-5.56E-02	-2.65E-04	-2.94E-03	-2.94E-05	-3.70E-03	-6.16E-03	-2.44E-03	-4.06E-04	-3.57E-03	-1.19E-04	-2.23E+00	-1.86E-02
8	367109	756014	Recreational	-4.95E-01	-2.25E-05	-8.54E-04	-4.27E-03	-6.85E-02	-3.26E-04	-4.12E-03	-4.12E-05	-5.13E-03	-8.54E-03	-3.32E-03	-5.53E-04	-4.96E-03	-1.65E-04	-3.04E+00	-2.53E-02
9	367070	756103	Recreational	1.26E-01	5.74E-06	-1.04E-03	-5.19E-03	-7.46E-02	-3.55E-04	-4.98E-03	-4.98E-05	-6.23E-03	-1.04E-02	-3.97E-03	-6.61E-04	-6.02E-03	-2.01E-04	-3.64E+00	-3.03E-02
10	367032	756191	Recreational	6.47E-01	2.94E-05	-6.61E-04	-3.30E-03	-4.42E-02	-2.10E-04	-2.95E-03	-2.95E-05	-3.96E-03	-6.61E-03	-2.50E-03	-4.17E-04	-3.83E-03	-1.28E-04	-2.29E+00	-1.91E-02
11	366993	756279	Recreational	1.11E+00	5.02E-05	-7.71E-04	-3.85E-03	-5.57E-02	-2.65E-04	-3.53E-03	-3.53E-05	-4.62E-03	-7.71E-03	-2.95E-03	-4.91E-04	-4.47E-03	-1.49E-04	-2.70E+00	-2.25E-02
12	366954	756367	Recreational	5.93E-01	2.70E-05	-8.13E-04	-4.06E-03	-6.18E-02	-2.94E-04	-3.80E-03	-3.80E-05	-4.88E-03	-8.13E-03	-3.13E-03	-5.22E-04	-4.71E-03	-1.57E-04	-2.87E+00	-2.39E-02
13	366916	756456	Recreational	3.97E-01	1.81E-05	-6.21E-04	-3.11E-03	-4.95E-02	-2.36E-04	-2.87E-03	-2.87E-05	-3.73E-03	-6.21E-03	-2.41E-03	-4.02E-04	-3.60E-03	-1.20E-04	-2.21E+00	-1.84E-02
14	366877	756544	Recreational	2.62E-01	1.19E-05	-4.20E-04	-2.10E-03	-3.92E-02	-1.87E-04	-1.89E-03	-1.89E-05	-2.52E-03	-4.20E-03	-1.67E-03	-2.78E-04	-2.44E-03	-8.12E-05	-1.53E+00	-1.28E-02
15	366839	756632	Recreational	-2.58E-01	-1.17E-05	-6.98E-04	-3.49E-03	-6.18E-02	-2.94E-04	-3.35E-03	-3.35E-05	-4.19E-03	-6.98E-03	-2.75E-03	-4.59E-04	-4.05E-03	-1.35E-04	-2.52E+00	-2.10E-02
16	366800	756720	Recreational	-3.66E-01	-1.66E-05	-6.73E-04	-3.36E-03	-6.32E-02	-3.01E-04	-3.29E-03	-3.29E-05	-4.04E-03	-6.73E-03	-2.68E-03	-4.46E-04	-3.90E-03	-1.30E-04	-2.45E+00	-2.04E-02
17	366762	756809	Recreational	3.48E-01	1.58E-05	-5.38E-04	-2.69E-03	-5.13E-02	-2.44E-04	-2.59E-03	-2.59E-05	-3.23E-03	-5.38E-03	-2.14E-03	-3.57E-04	-3.12E-03	-1.04E-04	-1.97E+00	-1.64E-02
18	366723	756897	Recreational	7.46E-01	3.39E-05	-6.53E-04	-3.27E-03	-5.86E-02	-2.79E-04	-3.13E-03	-3.13E-05	-3.92E-03	-6.53E-03	-2.58E-03	-4.30E-04	-3.79E-03	-1.26E-04	-2.36E+00	-1.97E-02

Table 3-3B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study -
for Onsite Workers and Offsite Receptors - Alternative 3, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m³)	xylene, total Acute Hazard	arsenic (µg/m³)	arsenic Acute Hazard	chlorine (µg/m³)	chlorine Acute Hazard	copper (µg/m³)	copper Acute Hazard	mercury (µg/m³)	mercury Acute Hazard	nickel (µg/m³)	nickel Acute Hazard	vanadium (µg/m³)	vanadium Acute Hazard	sulfates (µg/m³)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
19	366685	756985	Recreational	3.20E-01	1.46E-05	-6.41E-04	-3.21E-03	-5.83E-02	-2.78E-04	-3.08E-03	-3.08E-05	-3.85E-03	-6.41E-03	-2.54E-03	-4.23E-04	-3.72E-03	-1.24E-04	-2.33E+00	-1.94E-02
20	366646	757074	Recreational	3.10E-01	1.41E-05	-6.44E-04	-3.22E-03	-5.57E-02	-2.65E-04	-3.08E-03	-3.08E-05	-3.87E-03	-6.44E-03	-2.53E-03	-4.22E-04	-3.74E-03	-1.25E-04	-2.32E+00	-1.93E-02
21	366607	757162	Recreational	3.15E-01	1.43E-05	-6.52E-04	-3.26E-03	-5.31E-02	-2.53E-04	-3.10E-03	-3.10E-05	-3.91E-03	-6.52E-03	-2.54E-03	-4.23E-04	-3.78E-03	-1.26E-04	-2.33E+00	-1.94E-02
22	366569	757250	Recreational	2.33E-01	1.06E-05	-7.88E-04	-3.94E-03	-5.78E-02	-2.75E-04	-3.77E-03	-3.77E-05	-4.73E-03	-7.88E-03	-3.02E-03	-5.03E-04	-4.57E-03	-1.52E-04	-2.77E+00	-2.31E-02
23	366530	757338	Recreational	-1.30E-01	-5.89E-06	-7.33E-04	-3.67E-03	-5.41E-02	-2.58E-04	-3.49E-03	-3.49E-05	-4.40E-03	-7.33E-03	-2.81E-03	-4.69E-04	-4.25E-03	-1.42E-04	-2.58E+00	-2.15E-02
24	366492	757427	Recreational	-3.20E-01	-1.46E-05	-4.93E-04	-2.47E-03	-3.90E-02	-1.86E-04	-2.26E-03	-2.26E-05	-2.96E-03	-4.93E-03	-1.91E-03	-3.18E-04	-2.86E-03	-9.53E-05	-1.75E+00	-1.46E-02
25	366453	757515	Recreational	-1.31E-01	-5.96E-06	-3.93E-04	-1.96E-03	-3.16E-02	-1.50E-04	-1.73E-03	-1.73E-05	-2.36E-03	-3.93E-03	-1.53E-03	-2.54E-04	-2.28E-03	-7.60E-05	-1.40E+00	-1.17E-02
26	366415	757603	Recreational	3.01E-01	1.37E-05	-3.79E-04	-1.90E-03	-3.09E-02	-1.47E-04	-1.66E-03	-1.66E-05	-2.28E-03	-3.79E-03	-1.48E-03	-2.46E-04	-2.20E-03	-7.33E-05	-1.35E+00	-1.13E-02
27	366376	757692	Recreational	7.39E-01	3.36E-05	-4.30E-04	-2.15E-03	-3.59E-02	-1.71E-04	-1.92E-03	-1.92E-05	-2.58E-03	-4.30E-03	-1.68E-03	-2.80E-04	-2.49E-03	-8.31E-05	-1.54E+00	-1.28E-02
84	369336	758100	Recreational	-1.73E+00	-7.85E-05	-1.75E-03	-8.77E-03	-1.30E-01	-6.17E-04	-8.72E-03	-8.72E-05	-1.05E-02	-1.75E-02	-6.73E-03	-1.12E-03	-1.02E-02	-3.39E-04	-6.17E+00	-5.14E-02
85	369269	758170	Recreational	-1.11E+00	-5.04E-05	-2.06E-03	-1.03E-02	-1.48E-01	-7.04E-04	-1.03E-02	-1.03E-04	-1.23E-02	-2.06E-02	-7.87E-03	-1.31E-03	-1.19E-02	-3.98E-04	-7.21E+00	-6.01E-02
86	369202	758239	Recreational	-1.33E+00	-6.06E-05	-2.12E-03	-1.06E-02	-1.53E-01	-7.28E-04	-1.06E-02	-1.06E-04	-1.27E-02	-2.12E-02	-8.11E-03	-1.35E-03	-1.23E-02	-4.10E-04	-7.44E+00	-6.20E-02
87	369264	758285	Recreational	-8.34E-01	-3.79E-05	-1.49E-03	-7.46E-03	-1.10E-01	-5.25E-04	-7.44E-03	-7.44E-05	-8.95E-03	-1.49E-02	-5.72E-03	-9.54E-04	-8.65E-03	-2.88E-04	-5.25E+00	-4.37E-02
88	369326	758330	Recreational	-6.85E-01	-3.11E-05	-1.55E-03	-7.73E-03	-1.14E-01	-5.43E-04	-7.71E-03	-7.71E-05	-9.27E-03	-1.55E-02	-5.93E-03	-9.88E-04	-8.96E-03	-2.99E-04	-5.44E+00	-4.53E-02
89	369389	758376	Recreational	-1.26E+00	-5.73E-05	-1.37E-03	-6.83E-03	-1.01E-01	-4.79E-04	-6.78E-03	-6.78E-05	-8.19E-03	-1.37E-02	-5.24E-03	-8.73E-04	-7.92E-03	-2.64E-04	-4.80E+00	-4.00E-02
90	369389	758462	Recreational	-1.42E+00	-6.44E-05	-1.25E-03	-6.27E-03	-9.32E-02	-4.44E-04	-6.21E-03	-6.21E-05	-7.52E-03	-1.25E-02	-4.81E-03	-8.02E-04	-7.27E-03	-2.42E-04	-4.41E+00	-3.68E-02
91	369389	758548	Recreational	-1.47E+00	-6.70E-05	-1.30E-03	-6.49E-03	-9.72E-02	-4.63E-04	-6.45E-03	-6.45E-05	-7.79E-03	-1.30E-02	-4.99E-03	-8.31E-04	-7.53E-03	-2.51E-04	-4.57E+00	-3.81E-02
28	366338	757780	Residential	8.86E-01	4.03E-05	-4.06E-04	-2.03E-03	-3.35E-02	-1.59E-04	-1.80E-03	-1.80E-05	-2.44E-03	-4.06E-03	-1.58E-03	-2.64E-04	-2.36E-03	-7.85E-05	-1.45E+00	-1.21E-02
29	366402	757746	Residential	9.07E-01	4.12E-05	-4.16E-04	-2.08E-03	-3.44E-02	-1.64E-04	-1.84E-03	-1.84E-05	-2.50E-03	-4.16E-03	-1.62E-03	-2.70E-04	-2.41E-03	-8.05E-05	-1.49E+00	-1.24E-02
30	366467	757713	Residential	9.22E-01	4.19E-05	-4.39E-04	-2.20E-03	-3.66E-02	-1.74E-04	-1.96E-03	-1.96E-05	-2.63E-03	-4.39E-03	-1.71E-03	-2.86E-04	-2.55E-03	-8.49E-05	-1.57E+00	-1.31E-02
31	366531	757679	Residential	9.26E-01	4.21E-05	-4.55E-04	-2.28E-03	-3.83E-02	-1.83E-04	-2.04E-03	-2.04E-05	-2.73E-03	-4.55E-03	-1.78E-03	-2.97E-04	-2.64E-03	-8.81E-05	-1.63E+00	-1.36E-02
32	366567	757773	Residential	8.44E-01	3.84E-05	-4.90E-04	-2.45E-03	-4.03E-02	-1.92E-04	-2.23E-03	-2.23E-05	-2.94E-03	-4.90E-03	-1.91E-03	-3.18E-04	-2.84E-03	-9.46E-05	-1.75E+00	-1.46E-02
33	366625	757758	Residential	8.48E-01	3.86E-05	-5.01E-04	-2.50E-03	-4.12E-02	-1.96E-04	-2.29E-03	-2.29E-05	-3.01E-03	-5.01E-03	-1.95E-03	-3.25E-04	-2.91E-03	-9.69E-05	-1.79E+00	-1.49E-02
34	366682	757744	Residential	8.47E-01	3.85E-05	-5.13E-04	-2.57E-03	-4.23E-02	-2.01E-04	-2.35E-03	-2.35E-05	-3.08E-03	-5.13E-03	-2.00E-03	-3.34E-04	-2.98E-03	-9.93E-05	-1.83E+00	-1.53E-02
35	366768	757788	Residential	3.97E-01	1.80E-05	-5.67E-04	-2.83E-03	-4.92E-02	-2.34E-04	-2.64E-03	-2.64E-05	-3.40E-03	-5.67E-03	-2.23E-03	-3.71E-04	-3.29E-03	-1.10E-04	-2.04E+00	-1.70E-02
36	366854	757833	Residential	1.06E-02	4.82E-07	-7.35E-04	-3.67E-03	-6.13E-02	-2.92E-04	-3.50E-03	-3.50E-05	-4.41E-03	-7.35E-03	-2.87E-03	-4.78E-04	-4.26E-03	-1.42E-04	-2.63E+00	-2.19E-02
37	366941	757877	Residential	1.84E-01	8.37E-06	-8.02E-04	-4.01E-03	-6.66E-02	-3.17E-04	-3.87E-03	-3.87E-05	-4.81E-03	-8.02E-03	-3.13E-03	-5.22E-04	-4.65E-03	-1.55E-04	-2.87E+00	-2.39E-02
38	367027	757922	Residential	3.22E-01	1.46E-05	-8.21E-04	-4.10E-03	-6.83E-02	-3.25E-04	-3.99E-03	-3.99E-05	-4.92E-03	-8.21E-03	-3.20E-03	-5.34E-04	-4.76E-03	-1.59E-04	-2.94E+00	-2.45E-02
39	367113	757966	Residential	3.81E-01	1.73E-05	-1.01E-03	-5.03E-03	-8.03E-02	-3.83E-04	-4.94E-03	-4.94E-05	-6.04E-03	-1.01E-02	-3.90E-03	-6.50E-04	-5.84E-03	-1.95E-04	-3.58E+00	-2.98E-02
40	367192	757916	Residential	3.59E-01	1.63E-05	-1.02E-03	-5.08E-03	-8.03E-02	-3.82E-04	-4.97E-03	-4.97E-05	-6.09E-03	-1.02E-02	-3.93E-03	-6.55E-04	-5.89E-03	-1.96E-04	-3.61E+00	-3.01E-02
41	367264	757916	Residential	1.73E-01	7.88E-06	-1.09E-03	-5.44E-03	-8.58E-02	-4.09E-04	-5.35E-03	-5.35E-05	-6.53E-03	-1.09E-02	-4.22E-03	-7.03E-04	-6.31E-03	-2.10E-04	-3.87E+00	-3.22E-02
42	367335	757916	Residential	1.17E-01	5.31E-06	-1.12E-03	-5.60E-03	-8.84E-02	-4.21E-04	-5.51E-03	-5.51E-05	-6.72E-03	-1.12E-02	-4.34E-03	-7.23E-04	-6.49E-03	-2.16E-04	-3.98E+00	-3.31E-02
43	367343	757966	Residential	2.11E-01	9.61E-06	-1.04E-03	-5.19E-03	-8.55E-02	-4.07E-04	-5.11E-03	-5.11E-05	-6.22E-03	-1.04E-02	-4.04E-03	-6.74E-04	-6.01E-03	-2.00E-04	-3.71E+00	-3.09E-02
44	367404	757995	Residential	1.70E-01	7.74E-06	-1.07E-03	-5.36E-03	-8.81E-02	-4.19E-04	-5.28E-03	-5.28E-05	-6.43E-03	-1.07E-02	-4.18E-03	-6.96E-04	-6.22E-03	-2.07E-04	-3.83E+00	-3.19E-02
45	367465	758024	Residential	-2.07E-01	-9.40E-06	-1.13E-03	-5.64E-03	-9.25E-02	-4.40E-04	-5.55E-03	-5.55E-05	-6.77E-03	-1.13E-02	-4.40E-03	-7.33E-04	-6.55E-03	-2.18E-04	-4.03E+00	-3.36E-02
55	367673	758189	Residential	-5.44E-02	-2.47E-06	-1.05E-03	-5.26E-03	-8.58E-02	-4.09E-04	-4.99E-03	-4.99E-05	-6.32E-03	-1.05E-02	-4.10E-03	-6.83E-04	-6.11E-03	-2.04E-04	-3.76E+00	-3.13E-02
59	367816	758096	Residential	-9.80E-02	-4.46E-06	-1.14E-03	-5.68E-03	-9.29E-02	-4.42E-04	-5.37E-03	-5.37E-05	-6.82E-03	-1.14E-02	-4.42E-03	-7.37E-04	-6.59E-03	-2.20E-04	-4.06E+00	-3.38E-02
60	367898	758066	Residential	-1.44E-01	-6.57E-06	-1.13E-03	-5.66E-03	-9.43E-02	-4.49E-04	-5.32E-03	-5.32E-05	-6.79E-03	-1.13E-02	-4.42E-03	-7.36E-04	-6.57E-03	-2.19E-04	-4.05E+00	-3.38E-02
61	367980	758035	Residential	-1.80E-01	-8.20E-06	-1.14E-03	-5.70E-03	-9.65E-02	-4.60E-04	-5.36E-03	-5.36E-05	-6.84E-03	-1.14E-02	-4.46E-03	-7.44E-04	-6.61E-03	-2.20E-04	-4.09E+00	-3.41E-02
62	368062	758005	Residential	-2.60E-01	-1.18E-05	-1.24E-03	-6.18E-03	-1.04E-01	-4.94E-04	-5.84E-03	-5.84E-05	-7.42E-03	-1.24E-02	-4.83E-03	-8.05E-04	-7.17E-03	-2.39E-04	-4.43E+00	-3.69E-02
63	368144	757975	Residential	-4.60E-01	-2.09E-05	-1.31E-03	-6.54E-03	-1.10E-01	-5.24E-04	-6.22E-03	-6.22E-05	-7.85E-03	-1.31E-02	-5.11E-03	-8.52E-04	-7.59E-03	-2.53E-04	-4.69E+00	-3.91E-02
64	368226	757945	Residential	-6.15E-01	-2.79E-05	-1.34E-03	-6.71E-03	-1.15E-01	-5.45E-04	-6.43E-03	-6.43E-05	-8.06E-03	-1.34E-02	-5.26E-03	-8.77E-04	-7.79E-03	-2.60E-04	-4.82E+00	-4.02E-02
65	368301	757943	Residential	-7.57E-01	-3.44E-05	-1.20E-03	-5.98E-03	-1.07E-01	-5.10E-04	-5.79E-03	-5.79E-05	-7.18E-03	-1.20E-02	-4.72E-03	-7.87E-04	-6.94E-03	-2.31E-04	-4.33E+00	-3.61E-02
66	368376	757941	Residential	-5.64E-01	-2.56E-05	-1.12E-03	-5.58E-03	-1.04E-01	-4.97E-04	-5.51E-03	-5.51E-05	-6.69E-03	-1.12E-02	-4.44E-03	-7.39E-04	-6.47E-03	-2.16E-04	-4.07E+00	-3.39E-02
67	368452	757940	Residential	3.12E-01	1.42E-05	-7.11E-04	-3.56E-03	-7.52E-02	-3.58E-04	-3.41E-03	-3.41E-05	-4.27E-03	-7.11E-03	-2.89E-03	-4.82E-04	-4.12E-03	-1.37E-04	-2.65E+00	-2.21E-02
68	368527	757938	Residential	-6.08E-02	-2.76E-06	-5.16E-04	-2.58E-03	-6.01E-02	-2.86E-04	-2.37E-03	-2.37E-05	-3.09E-03	-5.16E-03	-2.14E-03	-3.56E-04	-2.99E-03	-9.97E-05	-1.96E+00	-1.63E-02
69	368563	757880	Residential	2.16E-01	9.83E-06	-4.44E-04	-2.22E-03	-5.66E-02	-2.70E-04	-1.98E-03	-1.98E-05	-2.67E-03	-4.44E-03	-1.87E-03	-3.12E-04	-2.58E-03	-8.59E-05	-1.72E+00	-1.43E-02
70	368636	757926	Residential	-1.43E+00	-6.49E-05	-1.05E-03	-5.26E-03	-9.00E-02	-4.29E-04	-5.06E-03	-5.06E-05	-6.31E-03	-1.05E-02	-4.12E-03	-6.87E-04	-6.10E-03	-2.03E-04	-3.78E+00	-3.15E-02
71	368709	757971	Residential	-4.60E+00	-2.09E-04	-3.31E-03	-1.66E-02	-2.48E-01	-1.18E-03	-1.68E-02	-1.68E-04	-1.99E-02	-3.31E-02	-1.27E-02	-2.12E-03	-1.92E-02	-6.41E-04	-1.17E+01	-9.73E-02
72	368782	758017	Residential	-5.38E+00	-2.45E-04	-3.55E-03	-1.77E-02	-2.62E-01	-1.25E-03	-1.79E-02	-1.79E-04	-2.13E-02	-3.55E-02	-1.36E-02	-2.27E-03	-2.06E-02	-6.86E-04	-1.25E+01	-1.04E-01
73	368855	758062	Residential	-2.09E+00	-9.48E-05	-1.75E-03	-8.77E-03	-1.33E-01	-6.35E-04	-8.70E-03	-8.70E-05	-1.05E-02	-1.75E-02	-6.76E-03	-1.13E-03	-1.02E-02	-3.39E-04	-6.20E+00	-5.17E-02
74	368928	758108	Residential	-1.61E+00	-7.32E-05	-1.07E-03	-5.33E-03	-9.24E-02	-4.40E-04	-5.27E-03	-5.27E-05	-6.39E-03	-1.07E-02	-4.18E-03	-6.97E-04	-6.18E-03	-2.06E-04	-3.84E+00	-3.20E-02
75	369001	758153	Residential	-7.78E-01	-3.54E-05	-1.18E-03	-5.91E-03	-9.58E-02	-4.56E-04	-5.81E-03	-5.81E-05	-7.09E-03	-1.18E-02	-4.60E-03	-7.66E-04	-6.86E-03	-2.29E-04	-4.21E+00	-3.51E-02
76	369058	758074	Residential	-7.57E-01	-3.44E-05	-1.22E-03	-6.08E-03	-1.00E-01	-4.77E-04	-5.98E-03	-5.98E-05	-7.29E-03	-1.22E-02	-4.74E-03	-7.90E-04	-7.05E-03	-2.35E-04	-4.34E+00	-3.62E-02
77	369102	758103	Residential	-1.46E+00	-6.64E-05	-1.38E-03	-6.89E-03	-1.08E-01	-5.16E-04	-6.83E-03	-6.83E-05	-8.26E-03	-1.38E-02	-5.33E-03	-8.88E-04	-7.99E-03	-2.66E-04	-4.89E+00	-4.07E-02
78	369145	758132	Residential	-2.31E+00	-1.05E-04	-2.08E-03	-1.04E-02	-1.58E-01	-7.50E-04	-1.05E-02	-1.05E-04	-1.25E-02	-2.08E-02	-8.00E-03	-1.33E-03	-1.21E-02	-4.02E-04	-7.34E+00	-6.12E-02
79	369200	758065	Residential	-1.90E+00	-8.64E-05	-2.34E-03	-1.17E-02	-1.76E-01	-8.38E-04	-1.18E-02	-1.18E-04	-1.40E-02	-2.34E-02	-8.99E-03	-1.50E-03	-1.36E-02	-4.52E-04	-8.24E+00	-6.87E-02
80	369255	757998	Residential	-1.83E+00	-8.30E-05	-2.60E-03	-1.30E-02	-1.93E-01	-9.20E-04	-1.31E-02	-1.31E-04	-1.56E-02	-2.60E-02	-9.97E-03	-1.66E-03	-1.51E-02	-5.02E-04	-9.15E+00	-7.62E-02
81	369310	757931	Residential	-2.85E+00	-1.29E-04	-2.73E-03	-1.37E-02	-2.04E-01	-9.72E-04	-1.37E-02	-1.37E-04	-1.64E-02	-2.73E-02	-1.05E-02	-1.75E-03	-1.58E-02	-5.28E-04	-9.63E+00	-8.02E-02
82	369356	757981	Residential	-2.59E+00	-1.18E-04	-2.33E-03	-1.16E-02	-1.70E-01	-8.09E-04	-1.16E-02	-1.16E-04	-1.40E-02	-2.33E-02	-8.92E-03	-1.49E-03	-1.35E-02	-4.50E-04	-8.18E+00	-6.82E-02
83	369403	758031	Residential	-8.04E-01	-3.65E-05	-2.14E-03	-1.07E-02	-1.60E-01	-7.60E-04	-1.07E-02	-1.07E-04	-1.29E-02	-2.14E-02	-8.24E-03	-1.37E-03	-1.24E-02	-4.15E-04	-7.55E+00	-6.29E-02
92	369389	758634	Residential	-1.75E+00	-7.94E-05	-1.49E-03	-7.43E-03	-1.11E-01	-5.31E-04	-7.42E-03	-7.42E-05	-8.92E-03	-1.49E-02	-5.71E-03	-9.52E-04	-8.62E-03	-2.87E-04	-5.24E+00	-4.37E-02
93	369469	758630	Residential	-3.46E+00	-1.57E-04	-3.24E-03	-1.62E-02	-2.35E-01	-1.12E-03	-1.64E-02	-1.64E-04	-1.94E-02	-3.24E-02	-1.24E-02	-2.07E-03	-1.88E-02	-6.26E-04	-1.14E+01	-9.47E-02
94	369549	758625	Residential	-4.22E+00	-1.92E-04	-3.64E-03	-1.82E-02	-2.63E-01	-1.25E-03	-1.84E-02	-1.84E-04	-2.18E-02	-3.64E-02	-1.39E-02	-2.32E-03	-2.11E-02	-7.04E-04	-1.28E+01	-1.06E-01
95	369630	758621	Residential	-3.19E+00	-1.45E-04	-2.27E-03	-1.13E-02	-1.67E-01	-7.93E-04	-1.14E-02	-1.14E-04	-1.36E-02	-2.27E-02	-8.70E-03	-1.45E-03	-1.32E-02	-4.39E-04	-7.98E+00	-6.65E-02

Table 3-3B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study -
for Onsite Workers and Offsite Receptors - Alternative 3, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m³)	xylene, total Acute Hazard	arsenic (µg/m³)	arsenic Acute Hazard	chlorine (µg/m³)	chlorine Acute Hazard	copper (µg/m³)	copper Acute Hazard	mercury (µg/m³)	mercury Acute Hazard	nickel (µg/m³)	nickel Acute Hazard	vanadium (µg/m³)	vanadium Acute Hazard	sulfates (µg/m³)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
96	369710	758617	Residential	-1.35E+00	-6.16E-05	-1.73E-03	-8.65E-03	-1.31E-01	-6.26E-04	-8.69E-03	-8.69E-05	-1.04E-02	-1.73E-02	-6.66E-03	-1.11E-03	-1.00E-02	-3.35E-04	-6.11E+00	-5.09E-02
97	369791	758613	Residential	-8.14E-01	-3.70E-05	-2.34E-03	-1.17E-02	-1.74E-01	-8.31E-04	-1.18E-02	-1.18E-04	-1.41E-02	-2.34E-02	-9.00E-03	-1.50E-03	-1.36E-02	-4.53E-04	-8.26E+00	-6.88E-02
98	369791	758514	Residential	-6.10E-01	-2.77E-05	-2.22E-03	-1.11E-02	-1.67E-01	-7.93E-04	-1.12E-02	-1.12E-04	-1.33E-02	-2.22E-02	-8.55E-03	-1.42E-03	-1.29E-02	-4.30E-04	-7.84E+00	-6.53E-02
99	369791	758416	Residential	2.08E-01	9.46E-06	-2.01E-03	-1.00E-02	-1.50E-01	-7.15E-04	-1.01E-02	-1.01E-04	-1.20E-02	-2.01E-02	-7.71E-03	-1.28E-03	-1.16E-02	-3.88E-04	-7.07E+00	-5.89E-02
100	369791	758318	Residential	6.93E-01	3.15E-05	-1.87E-03	-9.33E-03	-1.41E-01	-6.70E-04	-9.44E-03	-9.44E-05	-1.12E-02	-1.87E-02	-7.18E-03	-1.20E-03	-1.08E-02	-3.61E-04	-6.59E+00	-5.49E-02
101	369881	758318	Residential	9.06E-01	4.12E-05	-2.34E-03	-1.17E-02	-1.73E-01	-8.22E-04	-1.18E-02	-1.18E-04	-1.40E-02	-2.34E-02	-8.96E-03	-1.49E-03	-1.35E-02	-4.52E-04	-8.22E+00	-6.85E-02
102	369972	758318	Residential	-2.44E+00	-1.11E-04	-2.69E-03	-1.35E-02	-2.00E-01	-9.50E-04	-1.37E-02	-1.37E-04	-1.62E-02	-2.69E-02	-1.03E-02	-1.72E-03	-1.56E-02	-5.21E-04	-9.48E+00	-7.90E-02
103	370062	758318	Residential	-3.46E+00	-1.57E-04	-2.01E-03	-1.00E-02	-1.48E-01	-7.07E-04	-1.01E-02	-1.01E-04	-1.20E-02	-2.01E-02	-7.70E-03	-1.28E-03	-1.16E-02	-3.88E-04	-7.06E+00	-5.88E-02
104	370153	758318	Residential	-3.90E+00	-1.77E-04	-1.91E-03	-9.53E-03	-1.38E-01	-6.56E-04	-9.55E-03	-9.55E-05	-1.14E-02	-1.91E-02	-7.29E-03	-1.22E-03	-1.11E-02	-3.69E-04	-6.69E+00	-5.57E-02
105	370243	758318	Residential	-4.30E+00	-1.96E-04	-2.61E-03	-1.31E-02	-1.92E-01	-9.15E-04	-1.32E-02	-1.32E-04	-1.57E-02	-2.61E-02	-1.00E-02	-1.67E-03	-1.52E-02	-5.05E-04	-9.19E+00	-7.66E-02
111	370408	758347	Residential	-5.54E+00	-2.52E-04	-3.77E-03	-1.88E-02	-2.76E-01	-1.31E-03	-1.91E-02	-1.91E-04	-2.26E-02	-3.77E-02	-1.44E-02	-2.41E-03	-2.19E-02	-7.28E-04	-1.32E+01	-1.10E-01
112	370490	758344	Residential	-5.31E+00	-2.41E-04	-3.17E-03	-1.59E-02	-2.29E-01	-1.09E-03	-1.61E-02	-1.61E-04	-1.90E-02	-3.17E-02	-1.21E-02	-2.02E-03	-1.84E-02	-6.13E-04	-1.11E+01	-9.27E-02
113	370572	758341	Residential	-5.73E+00	-2.61E-04	-2.70E-03	-1.35E-02	-1.95E-01	-9.29E-04	-1.37E-02	-1.37E-04	-1.62E-02	-2.70E-02	-1.03E-02	-1.72E-03	-1.57E-02	-5.22E-04	-9.47E+00	-7.89E-02
114	370654	758338	Residential	-4.94E+00	-2.24E-04	-2.44E-03	-1.22E-02	-1.91E-01	-9.08E-04	-1.23E-02	-1.23E-04	-1.46E-02	-2.44E-02	-9.42E-03	-1.57E-03	-1.41E-02	-4.71E-04	-8.64E+00	-7.20E-02
115	370735	758335	Residential	-4.08E+00	-1.85E-04	-2.17E-03	-1.08E-02	-1.62E-01	-7.72E-04	-1.09E-02	-1.09E-04	-1.30E-02	-2.17E-02	-8.33E-03	-1.39E-03	-1.26E-02	-4.19E-04	-7.64E+00	-6.37E-02
116	370817	758333	Residential	-2.46E+00	-1.12E-04	-1.31E-03	-6.54E-03	-9.45E-02	-4.50E-04	-6.45E-03	-6.45E-05	-7.85E-03	-1.31E-02	-5.00E-03	-8.34E-04	-7.58E-03	-2.53E-04	-4.59E+00	-3.82E-02
130	371183	758027	Residential	-3.39E-01	-1.54E-05	-1.30E-03	-6.50E-03	-7.56E-02	-3.60E-04	-6.02E-03	-6.02E-05	-7.80E-03	-1.30E-02	-4.84E-03	-8.07E-04	-7.54E-03	-2.51E-04	-4.44E+00	-3.70E-02
131	371248	758024	Residential	-9.40E-01	-4.27E-05	-1.47E-03	-7.33E-03	-9.07E-02	-4.32E-04	-6.94E-03	-6.94E-05	-8.80E-03	-1.47E-02	-5.50E-03	-9.17E-04	-8.51E-03	-2.84E-04	-5.05E+00	-4.21E-02
132	371326	758075	Residential	-1.39E+00	-6.33E-05	-1.66E-03	-8.31E-03	-1.07E-01	-5.10E-04	-8.03E-03	-8.03E-05	-9.97E-03	-1.66E-02	-6.27E-03	-1.04E-03	-9.64E-03	-3.21E-04	-5.75E+00	-4.79E-02
133	371404	758127	Residential	-1.80E+00	-8.17E-05	-1.72E-03	-8.60E-03	-1.09E-01	-5.20E-04	-8.41E-03	-8.41E-05	-1.03E-02	-1.72E-02	-6.47E-03	-1.08E-03	-9.98E-03	-3.33E-04	-5.94E+00	-4.95E-02
134	371481	758178	Residential	-2.40E+00	-1.09E-04	-1.59E-03	-7.96E-03	-1.00E-01	-4.76E-04	-7.78E-03	-7.78E-05	-9.55E-03	-1.59E-02	-5.98E-03	-9.97E-04	-9.23E-03	-3.08E-04	-5.49E+00	-4.57E-02
135	371559	758230	Residential	-2.14E+00	-9.74E-05	-1.56E-03	-7.78E-03	-9.59E-02	-4.57E-04	-7.58E-03	-7.58E-05	-9.33E-03	-1.56E-02	-5.83E-03	-9.72E-04	-9.02E-03	-3.01E-04	-5.35E+00	-4.46E-02
136	371637	758281	Residential	-1.79E+00	-8.15E-05	-1.50E-03	-7.49E-03	-9.25E-02	-4.40E-04	-7.30E-03	-7.30E-05	-8.99E-03	-1.50E-02	-5.62E-03	-9.37E-04	-8.69E-03	-2.90E-04	-5.16E+00	-4.30E-02
137	371715	758333	Residential	-1.47E+00	-6.70E-05	-1.40E-03	-6.99E-03	-9.09E-02	-4.33E-04	-6.82E-03	-6.82E-05	-8.38E-03	-1.40E-02	-5.27E-03	-8.79E-04	-8.10E-03	-2.70E-04	-4.84E+00	-4.03E-02
138	371769	758261	Residential	-8.76E-01	-3.98E-05	-1.30E-03	-6.49E-03	-9.20E-02	-4.38E-04	-6.38E-03	-6.38E-05	-7.78E-03	-1.30E-02	-4.95E-03	-8.25E-04	-7.52E-03	-2.51E-04	-4.54E+00	-3.78E-02
139	371822	758189	Residential	-1.28E+00	-5.83E-05	-9.22E-04	-4.61E-03	-7.54E-02	-3.59E-04	-4.51E-03	-4.51E-05	-5.53E-03	-9.22E-03	-3.59E-03	-5.98E-04	-5.34E-03	-1.78E-04	-3.29E+00	-2.74E-02
140	371894	758160	Residential	-2.25E+00	-1.02E-04	-9.86E-04	-4.93E-03	-1.09E-01	-5.20E-04	-5.06E-03	-5.06E-05	-5.92E-03	-9.86E-03	-4.04E-03	-6.74E-04	-5.72E-03	-1.91E-04	-3.70E+00	-3.09E-02
141	371894	758081	Residential	-3.30E+00	-1.50E-04	-1.08E-03	-5.40E-03	-1.26E-01	-6.01E-04	-5.61E-03	-5.61E-05	-6.48E-03	-1.08E-02	-4.47E-03	-7.46E-04	-6.26E-03	-2.09E-04	-4.10E+00	-3.41E-02
142	371959	758074	Residential	-3.01E+00	-1.37E-04	-1.17E-03	-5.85E-03	-1.14E-01	-5.45E-04	-5.93E-03	-5.93E-05	-7.02E-03	-1.17E-02	-4.69E-03	-7.81E-04	-6.78E-03	-2.26E-04	-4.29E+00	-3.58E-02
155	372055	757363	Residential	-1.82E+00	-8.27E-05	-3.74E-04	-1.87E-03	-3.98E-02	-1.89E-04	-1.56E-03	-1.56E-05	-2.25E-03	-3.74E-03	-1.52E-03	-2.54E-04	-2.17E-03	-7.24E-05	-1.40E+00	-1.16E-02
297	370239	755427	Residential	-4.44E+00	-2.02E-04	-4.46E-03	-2.23E-02	-3.25E-01	-1.55E-03	-2.21E-02	-2.21E-04	-2.68E-02	-4.46E-02	-1.71E-02	-2.85E-03	-2.59E-02	-8.63E-04	-1.57E+01	-1.31E-01
298	370138	755427	Residential	-1.72E+00	-7.83E-05	-4.17E-03	-2.08E-02	-3.00E-01	-1.43E-03	-2.04E-02	-2.04E-04	-2.50E-02	-4.17E-02	-1.59E-02	-2.65E-03	-2.42E-02	-8.05E-04	-1.46E+01	-1.22E-01
299	370040	755427	Residential	-2.03E+00	-9.23E-05	-2.05E-03	-1.03E-02	-1.51E-01	-7.17E-04	-9.60E-03	-9.60E-05	-1.23E-02	-2.05E-02	-7.87E-03	-1.31E-03	-1.19E-02	-3.97E-04	-7.22E+00	-6.02E-02
300	369941	755426	Residential	2.89E+00	1.32E-04	-1.54E-03	-7.69E-03	-1.11E-01	-5.28E-04	-7.06E-03	-7.06E-05	-9.23E-03	-1.54E-02	-5.88E-03	-9.80E-04	-8.92E-03	-2.97E-04	-5.39E+00	-4.49E-02
301	369842	755426	Residential	-2.78E-01	-1.26E-05	-1.67E-03	-8.34E-03	-1.29E-01	-6.12E-04	-7.93E-03	-7.93E-05	-1.00E-02	-1.67E-02	-6.44E-03	-1.07E-03	-9.68E-03	-3.23E-04	-5.91E+00	-4.92E-02
304	369544	755434	Residential	-3.98E+00	-1.81E-04	-2.95E-03	-1.47E-02	-2.27E-01	-1.08E-03	-1.47E-02	-1.47E-04	-1.77E-02	-2.95E-02	-1.14E-02	-1.90E-03	-1.71E-02	-5.70E-04	-1.04E+01	-8.69E-02
305	369445	755434	Residential	-2.03E+00	-9.23E-05	-2.67E-03	-1.33E-02	-2.11E-01	-1.00E-03	-1.34E-02	-1.34E-04	-1.60E-02	-2.67E-02	-1.03E-02	-1.72E-03	-1.55E-02	-5.16E-04	-9.48E+00	-7.90E-02
306	369346	755434	Residential	-2.56E+00	-1.16E-04	-2.87E-03	-1.43E-02	-2.23E-01	-1.06E-03	-1.44E-02	-1.44E-04	-1.72E-02	-2.87E-02	-1.11E-02	-1.85E-03	-1.66E-02	-5.54E-04	-1.02E+01	-8.47E-02
310	368953	755441	Residential	-2.22E+00	-1.01E-04	-1.38E-03	-6.92E-03	-1.14E-01	-5.41E-04	-6.84E-03	-6.84E-05	-8.31E-03	-1.38E-02	-5.39E-03	-8.99E-04	-8.03E-03	-2.68E-04	-4.94E+00	-4.12E-02
311	368854	755441	Residential	-3.45E+00	-1.57E-04	-2.16E-03	-1.08E-02	-1.67E-01	-7.97E-04	-1.09E-02	-1.09E-04	-1.29E-02	-2.16E-02	-8.34E-03	-1.39E-03	-1.25E-02	-4.17E-04	-7.64E+00	-6.37E-02
312	368755	755441	Residential	-2.89E+00	-1.31E-04	-2.22E-03	-1.11E-02	-1.69E-01	-8.07E-04	-1.12E-02	-1.12E-04	-1.33E-02	-2.22E-02	-8.57E-03	-1.43E-03	-1.29E-02	-4.30E-04	-7.86E+00	-6.55E-02
313	368657	755441	Residential	-1.64E+00	-7.45E-05	-1.57E-03	-7.83E-03	-1.23E-01	-5.87E-04	-7.79E-03	-7.79E-05	-9.39E-03	-1.57E-02	-6.06E-03	-1.01E-03	-9.08E-03	-3.03E-04	-5.56E+00	-4.63E-02
314	368558	755440	Residential	-7.42E-01	-3.37E-05	-1.20E-03	-6.01E-03	-9.88E-02	-4.71E-04	-5.92E-03	-5.92E-05	-7.21E-03	-1.20E-02	-4.68E-03	-7.80E-04	-6.97E-03	-2.32E-04	-4.29E+00	-3.58E-02
315	368459	755440	Residential	4.78E-01	2.17E-05	-8.33E-04	-4.17E-03	-7.40E-02	-3.52E-04	-4.02E-03	-4.02E-05	-5.00E-03	-8.33E-03	-3.29E-03	-5.48E-04	-4.83E-03	-1.61E-04	-3.01E+00	-2.51E-02
316	368360	755440	Residential	4.99E-01	2.27E-05	-4.99E-04	-2.49E-03	-4.98E-02	-2.37E-04	-2.29E-03	-2.29E-05	-2.99E-03	-4.99E-03	-2.01E-03	-3.34E-04	-2.89E-03	-9.64E-05	-1.84E+00	-1.53E-02
317	368262	755439	Residential	-2.71E-02	-1.23E-06	-9.23E-04	-4.62E-03	-8.23E-02	-3.92E-04	-4.49E-03	-4.49E-05	-5.54E-03	-9.23E-03	-3.64E-03	-6.07E-04	-5.36E-03	-1.79E-04	-3.34E+00	-2.78E-02
318	368186	755427	Residential	-4.74E-01	-2.16E-05	-1.15E-03	-5.77E-03	-9.97E-02	-4.75E-04	-5.70E-03	-5.70E-05	-6.92E-03	-1.15E-02	-4.53E-03	-7.55E-04	-6.69E-03	-2.23E-04	-4.15E+00	-3.46E-02
319	368111	755414	Residential	-8.67E-01	-3.94E-05	-1.34E-03	-6.68E-03	-1.13E-01	-5.39E-04	-6.66E-03	-6.66E-05	-8.01E-03	-1.34E-02	-5.23E-03	-8.71E-04	-7.74E-03	-2.58E-04	-4.79E+00	-3.99E-02
46	367504	757948	School	1.94E-01	8.80E-06	-1.10E-03	-5.48E-03	-9.01E-02	-4.29E-04	-5.39E-03	-5.39E-05	-6.57E-03	-1.10E-02	-4.27E-03	-7.11E-04	-6.35E-03	-2.12E-04	-3.91E+00	-3.26E-02
47	367544	757873	School	-2.96E-02	-1.35E-06	-1.15E-03	-5.74E-03	-9.30E-02	-4.43E-04	-5.67E-03	-5.67E-05	-6.89E-03	-1.15E-02	-4.46E-03	-7.44E-04	-6.66E-03	-2.22E-04	-4.09E+00	-3.41E-02
48	367587	757909	School	9.87E-02	4.48E-06	-1.16E-03	-5.79E-03	-9.44E-02	-4.49E-04	-5.71E-03	-5.71E-05	-6.95E-03	-1.16E-02	-4.51E-03	-7.51E-04	-6.72E-03	-2.24E-04	-4.13E+00	-3.44E-02
49	367623	757866	School	-7.16E-02	-3.25E-06	-1.20E-03	-6.01E-03	-9.77E-02	-4.65E-04	-5.95E-03	-5.95E-05	-7.21E-03	-1.20E-02	-4.68E-03	-7.79E-04	-6.97E-03	-2.32E-04	-4.29E+00	-3.57E-02
50	367694	757866	School	-2.67E-01	-1.21E-05	-1.23E-03	-6.14E-03	-9.93E-02	-4.73E-04	-6.04E-03	-6.04E-05	-7.36E-03	-1.23E-02	-4.77E-03	-7.95E-04	-7.12E-03	-2.37E-04	-4.37E+00	-3.64E-02
51	367716	757927	School	-1.55E-01	-7.03E-06	-1.29E-03	-6.46E-03	-1.07E-01	-5.09E-04	-6.34E-03	-6.34E-05	-7.75E-03	-1.29E-02	-5.04E-03	-8.40E-04	-7.49E-03	-2.50E-04	-4.62E+00	-3.85E-02
52	367737	757988	School	9.79E-02	4.45E-06	-1.33E-03	-6.66E-03	-1.09E-01	-5.20E-04	-6.51E-03	-6.51E-05	-7.99E-03	-1.33E-02	-5.19E-03	-8.64E-04	-7.72E-03	-2.57E-04	-4.75E+00	-3.96E-02
53	367727	758067	School	1.42E-01	6.46E-06	-1.21E-03	-6.04E-03	-9.83E-02	-4.68E-04	-5.82E-03	-5.82E-05	-7.24E-03	-1.21E-02	-4.70E-03	-7.83E-04	-7.00E-03	-2.33E-04	-4.31E+00	-3.59E-02
54	367716	758146	School	-1.65E-02	-7.48E-07	-1.12E-03	-5.58E-03	-9.00E-02	-4.29E-04	-5.30E-03	-5.30E-05	-6.70E-03	-1.12E-02	-4.34E-03	-7.23E-04	-6.47E-03	-2.16E-04	-3.98E+00	-3.31E-02
56	367723	758254	School	1.07E-01	4.84E-06	-8.78E-04	-4.39E-03	-7.56E-02	-3.60E-04	-4.09E-03	-4.09E-05	-5.27E-03	-8.78E-03	-3.45E-03	-5.74E-04	-5.09E-03	-1.70E-04	-3.16E+00	-2.63E-02
57	367784	758221	School	4.48E-02	2.04E-06	-9.28E-04	-4.64E-03	-7.92E-02	-3.77E-04	-4.33E-03	-4.33E-05	-5.57E-03	-9.28E-03	-3.64E-03	-6.06E-04	-5.38E-03	-1.79E-04	-3.33E+00	-2.78E-02
58	367845	758189	School	-6.01E-02	-2.73E-06	-9.75E-04	-4.87E-03	-8.28E-02	-3.94E-04	-4.56E-03	-4.56E-05	-5.85E-03	-9.75E-03	-3.82E-03	-6.36E-04	-5.65E-03	-1.88E-04	-3.50E+00	-2.92E-02
106	370247	758254	School	-4.52E+00	-2.05E-04	-2.88E-03	-1.44E-02	-2.11E-01	-1.00E-03	-1.45E-02	-1.45E-04	-1.73E-02	-2.88E-02	-1.10E-02	-1.84E-03	-1.67E-02	-5.56E-04	-1.01E+01	-8.42E-02
107	370250	758189	School	-4.95E+00	-2.25E-04	-3.19E-03	-1.59E-02	-2.33E-01	-1.11E-03	-1.61E-02	-1.61E-04	-1.91E-02	-3.19E-02	-1.22E-02	-2.03E-03	-1.85E-02	-6.16E-04	-1.12E+01	-9.33E-02
108	370308	758196	School	-4.44E+00	-2.02E-04	-4.05E-03	-2.03E-02	-2.92E-01	-1.39E-03	-2.05E-02	-2.05E-04	-2.43E-02	-4.05E-02	-1.55E-02	-2.58E-03	-2.35E-02	-7.84E-04	-1.42E+01	-1.18E-01
109	370361	758236	School	-5.23E+00	-2.38E-04	-4.25E-03	-2.13E-02	-3.03E-01	-1.44E-03	-2.15E-02	-2.15E-04	-2.55E-02	-4.25E-02	-1.62E-02	-2.71E-03	-2.47E-02	-8.22E-04	-1.49E+01	-1.24E-01
110	370415	758275	School	-5.96E+00	-2.71E-04	-3.84E-03	-1.92E-02	-2.79E-01	-1.33E-03	-1.95E-02	-1.95E-04	-2.31E-02	-3.84E-02	-1.47E-02	-2.45E-03	-2.23E-02	-7.43E-04	-1.35E+01	-1.12E-01

Table 3-3B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study -
for Onsite Workers and Offsite Receptors - Alternative 3, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m^3)	xylene, total Acute Hazard	arsenic (µg/m^3)	arsenic Acute Hazard	chlorine (µg/m^3)	chlorine Acute Hazard	copper (µg/m^3)	copper Acute Hazard	mercury (µg/m^3)	mercury Acute Hazard	nickel (µg/m^3)	nickel Acute Hazard	vanadium (µg/m^3)	vanadium Acute Hazard	sulfates (µg/m^3)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
302	369741	755435	School	-5.42E+00	-2.46E-04	-1.24E-03	-6.18E-03	-1.02E-01	-4.86E-04	-5.96E-03	-5.96E-05	-7.41E-03	-1.24E-02	-4.82E-03	-8.03E-04	-7.17E-03	-2.39E-04	-4.42E+00	-3.68E-02
303	369643	755434	School	-6.65E-01	-3.02E-05	-8.30E-04	-4.15E-03	-7.34E-02	-3.50E-04	-3.87E-03	-3.87E-05	-4.98E-03	-8.30E-03	-3.27E-03	-5.45E-04	-4.81E-03	-1.60E-04	-3.00E+00	-2.50E-02

Note: Shaded cells indicate locations where concentrations were highest within each land use category.

Table 3-4A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 4, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Location	acetaldehyde (µg/m³)	acrolein (µg/m³)	benzene (µg/m³)	formaldehyde (µg/m³)	methyl alcohol (µg/m³)	methyl ethyl ketone (µg/m³)	phenol (carbolic acid) (µg/m³)	styrene (µg/m³)	toluene (µg/m³)	xylene, total (µg/m³)	arsenic (µg/m³)	chlorine (µg/m³)	copper (µg/m³)	mercury (µg/m³)	nickel (µg/m³)	vanadium (µg/m³)	sulfates (µg/m³)
Commercial - Onsite																	
Maximum Onsite Concentration-->	-1.57E+00	2.42E+00	-5.90E+00	-4.50E-01	1.63E+00	-1.17E+00	7.50E-01	1.25E-02	-1.15E+01	-1.03E+01	-3.53E-03	-2.37E-01	-1.74E-02	-2.12E-02	-1.34E-02	-2.04E-02	-1.23E+01
Commercial - Offsite																	
Maximum Offsite Concentration-->	1.62E+01	9.78E+00	9.75E+00	4.77E+01	7.31E+00	-7.68E-02	2.91E+00	1.35E+00	7.08E+00	6.71E+00	2.35E-03	1.80E-01	1.29E-02	1.41E-02	9.06E-03	1.36E-02	8.31E+00
Average Offsite Concentration-->	3.79E+00	2.88E+00	1.12E+00	1.19E+01	2.12E+00	-2.51E-01	8.64E-01	3.31E-01	-7.99E-01	-7.26E-01	-1.49E-03	-1.01E-01	-7.16E-03	-8.94E-03	-5.65E-03	-8.64E-03	-5.18E+00
Minimum Offsite Concentration-->	-1.34E+00	1.23E-01	-5.08E+00	-3.07E+00	-2.21E-02	-7.99E-01	4.65E-02	-1.66E-01	-9.79E+00	-8.96E+00	-1.05E-02	-7.28E-01	-5.30E-02	-6.28E-02	-3.98E-02	-6.07E-02	-3.65E+01
Recreational																	
Maximum Offsite Concentration-->	6.99E+00	4.54E+00	2.85E+00	2.08E+01	3.33E+00	-1.04E-01	1.35E+00	5.44E-01	2.08E+00	1.95E+00	-2.59E-04	-1.61E-02	-1.03E-03	-1.56E-03	-9.73E-04	-1.51E-03	-8.93E-01
Average Offsite Concentration-->	3.31E+00	2.35E+00	1.29E+00	1.01E+01	1.73E+00	-1.60E-01	7.03E-01	2.84E-01	-4.75E-02	-5.07E-02	-7.15E-04	-4.83E-02	-3.32E-03	-4.29E-03	-2.71E-03	-4.15E-03	-2.49E+00
Minimum Offsite Concentration-->	1.25E+00	1.34E+00	-9.26E-01	4.44E+00	9.54E-01	-2.32E-01	4.04E-01	1.08E-01	-2.81E+00	-2.62E+00	-1.69E-03	-1.14E-01	-8.13E-03	-1.02E-02	-6.42E-03	-9.83E-03	-5.89E+00
Residential																	
Maximum Offsite Concentration-->	1.08E+01	6.77E+00	4.80E+00	3.19E+01	4.99E+00	-1.18E-01	2.01E+00	8.32E-01	3.88E+00	3.57E+00	-3.50E-04	-2.34E-02	-1.59E-03	-2.10E-03	-1.33E-03	-2.03E-03	-1.22E+00
Average Offsite Concentration-->	4.03E+00	2.94E+00	9.34E-01	1.24E+01	2.15E+00	-2.22E-01	8.80E-01	3.29E-01	-1.09E+00	-1.04E+00	-1.48E-03	-1.05E-01	-7.21E-03	-8.86E-03	-5.63E-03	-8.56E-03	-5.17E+00
Minimum Offsite Concentration-->	-5.48E-01	2.76E-01	-2.71E+00	-8.85E-01	1.77E-01	-5.76E-01	8.92E-02	-3.51E-02	-5.34E+00	-4.88E+00	-3.84E-03	-2.69E-01	-1.88E-02	-2.30E-02	-1.46E-02	-2.23E-02	-1.34E+01
School																	
Maximum Offsite Concentration-->	4.29E+00	3.14E+00	1.88E+00	1.31E+01	2.28E+00	-1.48E-01	9.41E-01	3.65E-01	1.13E+00	1.08E+00	-1.17E-04	-5.71E-03	8.94E-05	-7.05E-04	-4.29E-04	-6.81E-04	-3.94E-01
Average Offsite Concentration-->	3.09E+00	2.36E+00	7.36E-01	9.65E+00	1.73E+00	-2.07E-01	7.07E-01	2.63E-01	-9.29E-01	-8.59E-01	-1.47E-03	-1.06E-01	-7.24E-03	-8.82E-03	-5.62E-03	-8.52E-03	-5.15E+00
Minimum Offsite Concentration-->	1.27E+00	1.53E+00	-1.74E+00	4.53E+00	1.06E+00	-2.82E-01	4.62E-01	8.35E-02	-4.10E+00	-3.77E+00	-4.00E-03	-2.88E-01	-2.02E-02	-2.40E-02	-1.53E-02	-2.32E-02	-1.40E+01
CalEPA Acute REL	470	2.5	1300	55	28000	13000	5800	21000	37000	22000	0.2	210	100	0.6	6	30	120
Commercial - Onsite																	
Onsite Maximum Acute Hazard-->	-3.34E-03	9.68E-01	-4.54E-03	-8.18E-03	5.81E-05	-9.01E-05	1.29E-04	5.96E-07	-3.11E-04	-4.67E-04	-1.76E-02	-1.13E-03	-1.74E-04	-3.53E-02	-2.23E-03	-6.82E-04	-1.02E-01
Commercial - Offsite																	
Offsite Maximum Acute Hazard-->	3.46E-02	3.91E+00	7.50E-03	8.68E-01	2.61E-04	-5.91E-06	5.02E-04	6.45E-05	1.91E-04	3.05E-04	1.18E-02	8.56E-04	1.29E-04	2.35E-02	1.51E-03	4.54E-04	6.92E-02
Offsite Average Acute Hazard-->	8.06E-03	1.15E+00	8.65E-04	2.16E-01	7.56E-05	-1.93E-05	1.49E-04	1.57E-05	-2.16E-05	-3.30E-05	-7.45E-03	-4.82E-04	-7.16E-05	-1.49E-02	-9.42E-04	-2.88E-04	-4.32E-02
Offsite Minimum Acute Hazard-->	-2.85E-03	4.92E-02	-3.90E-03	-5.59E-02	-7.91E-07	-6.15E-05	8.01E-06	-7.93E-06	-2.65E-04	-4.07E-04	-5.23E-02	-3.47E-03	-5.30E-04	-1.05E-01	-6.64E-03	-2.02E-03	-3.04E-01
Recreational																	
Offsite Maximum Acute Hazard-->	1.49E-02	1.81E+00	2.20E-03	3.79E-01	1.19E-04	-7.97E-06	2.33E-04	2.59E-05	5.63E-05	8.87E-05	-1.30E-03	-7.66E-05	-1.03E-05	-2.59E-03	-1.62E-04	-5.02E-05	-7.44E-03
Offsite Average Acute Hazard-->	7.03E-03	9.40E-01	9.94E-04	1.84E-01	6.19E-05	-1.23E-05	1.21E-04	1.35E-05	-1.28E-06	-2.31E-06	-3.58E-03	-2.30E-04	-3.32E-05	-7.15E-03	-4.52E-04	-1.38E-04	-2.07E-02
Offsite Minimum Acute Hazard-->	2.66E-03	5.35E-01	-7.12E-04	8.08E-02	3.41E-05	-1.78E-05	6.97E-05	5.12E-06	-7.61E-05	-1.19E-04	-8.47E-03	-5.40E-04	-8.13E-05	-1.69E-02	-1.07E-03	-3.28E-04	-4.91E-02
Residential																	
Offsite Maximum Acute Hazard-->	2.30E-02	2.71E+00	3.70E-03	5.79E-01	1.78E-04	-9.11E-06	3.47E-04	3.96E-05	1.05E-04	1.62E-04	-1.75E-03	-1.11E-04	-1.59E-05	-3.50E-03	-2.21E-04	-6.77E-05	-1.01E-02
Offsite Average Acute Hazard-->	8.58E-03	1.18E+00	7.18E-04	2.26E-01	7.68E-05	-1.71E-05	1.52E-04	1.57E-05	-2.94E-05	-4.73E-05	-7.38E-03	-4.99E-04	-7.21E-05	-1.48E-02	-9.39E-04	-2.85E-04	-4.31E-02
Offsite Minimum Acute Hazard-->	-1.17E-03	1.10E-01	-2.09E-03	-1.61E-02	6.34E-06	-4.43E-05	1.54E-05	-1.67E-06	-1.44E-04	-2.22E-04	-1.92E-02	-1.28E-03	-1.88E-04	-3.84E-02	-2.43E-03	-7.42E-04	-1.12E-01
School																	
Offsite Maximum Acute Hazard-->	9.13E-03	1.26E+00	1.45E-03	2.39E-01	8.15E-05	-1.14E-05	1.62E-04	1.74E-05	3.06E-05	4.92E-05	-5.87E-04	-2.72E-05	8.94E-07	-1.17E-03	-7.16E-05	-2.27E-05	-3.28E-03
Offsite Average Acute Hazard-->	6.58E-03	9.44E-01	5.66E-04	1.75E-01	6.17E-05	-1.59E-05	1.22E-04	1.25E-05	-2.51E-05	-3.91E-05	-7.35E-03	-5.06E-04	-7.24E-05	-1.47E-02	-9.37E-04	-2.84E-04	-4.30E-02
Offsite Minimum Acute Hazard-->	2.71E-03	6.11E-01	-1.34E-03	8.23E-02	3.80E-05	-2.17E-05	7.97E-05	3.98E-06	-1.11E-04	-1.72E-04	-2.00E-02	-1.37E-03	-2.02E-04	-4.00E-02	-2.55E-03	-7.72E-04	-1.17E-01

Table 3-4A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 4, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
117	370814	758243	Offsite Worker	3.35E+00	2.62E+00	6.92E-01	1.06E+01	1.92E+00	-2.48E-01	7.87E-01	2.88E-01	-1.21E+00	-1.12E+00	-1.20E-03	-8.89E-02	-5.88E-03	-7.19E-03	-4.60E-03	-6.95E-03	-4.22E+00
118	370810	758153	Offsite Worker	3.65E+00	2.80E+00	1.02E+00	1.15E+01	2.05E+00	-2.51E-01	8.40E-01	3.19E-01	-8.38E-01	-7.76E-01	-1.36E-03	-1.01E-01	-6.67E-03	-8.15E-03	-5.21E-03	-7.88E-03	-4.78E+00
119	370807	758063	Offsite Worker	3.72E+00	2.88E+00	8.48E-01	1.17E+01	2.11E+00	-2.65E-01	8.64E-01	3.20E-01	-1.18E+00	-1.09E+00	-1.69E-03	-1.25E-01	-8.34E-03	-1.01E-02	-6.48E-03	-9.80E-03	-5.95E+00
120	370803	757974	Offsite Worker	3.62E+00	2.94E+00	-4.20E-01	1.15E+01	2.11E+00	-3.05E-01	8.81E-01	2.75E-01	-3.19E+00	-2.99E+00	-2.03E-03	-1.49E-01	-1.00E-02	-1.22E-02	-7.79E-03	-1.18E-02	-7.14E+00
121	370835	757927	Offsite Worker	3.69E+00	2.88E+00	-1.22E+00	1.14E+01	2.05E+00	-2.72E-01	8.64E-01	2.38E-01	-4.40E+00	-4.16E+00	-2.17E-03	-1.54E-01	-1.06E-02	-1.30E-02	-8.27E-03	-1.26E-02	-7.59E+00
122	370868	757880	Offsite Worker	3.30E+00	2.70E+00	-2.05E-01	1.05E+01	1.95E+00	-2.86E-01	8.10E-01	2.60E-01	-2.69E+00	-2.50E+00	-1.85E-03	-1.32E-01	-9.00E-03	-1.11E-02	-7.08E-03	-1.07E-02	-6.49E+00
123	370921	757884	Offsite Worker	3.99E+00	3.03E+00	8.63E-01	1.25E+01	2.22E+00	-2.63E-01	9.09E-01	3.35E-01	-1.33E+00	-1.24E+00	-2.36E-03	-1.71E-01	-1.16E-02	-1.41E-02	-9.02E-03	-1.37E-02	-8.27E+00
124	370975	757887	Offsite Worker	4.11E+00	3.16E+00	1.49E+00	1.30E+01	2.32E+00	-2.82E-01	9.46E-01	3.72E-01	-4.28E-01	-3.79E-01	-2.25E-03	-1.58E-01	-1.09E-02	-1.35E-02	-8.56E-03	-1.30E-02	-7.85E+00
125	370975	757794	Offsite Worker	5.13E+00	3.93E+00	1.41E+00	1.62E+01	2.88E+00	-3.49E-01	1.18E+00	4.46E-01	-1.19E+00	-1.11E+00	-1.83E-03	-1.33E-01	-8.79E-03	-1.10E-02	-6.99E-03	-1.06E-02	-6.41E+00
126	371026	757794	Offsite Worker	5.08E+00	3.96E+00	3.16E-01	1.61E+01	2.87E+00	-3.72E-01	1.19E+00	4.06E-01	-2.93E+00	-2.75E+00	-1.75E-03	-1.29E-01	-8.40E-03	-1.05E-02	-6.73E-03	-1.02E-02	-6.17E+00
127	371076	757877	Offsite Worker	4.03E+00	3.20E+00	4.33E-01	1.29E+01	2.33E+00	-3.16E-01	9.60E-01	3.35E-01	-2.12E+00	-1.97E+00	-1.73E-03	-1.28E-01	-8.43E-03	-1.04E-02	-6.65E-03	-1.00E-02	-6.10E+00
128	371126	757959	Offsite Worker	3.73E+00	2.90E+00	7.72E-01	1.18E+01	2.12E+00	-2.70E-01	8.69E-01	3.19E-01	-1.34E+00	-1.24E+00	-1.68E-03	-1.24E-01	-8.20E-03	-1.01E-02	-6.44E-03	-9.73E-03	-5.90E+00
129	371119	758031	Offsite Worker	2.90E+00	2.47E+00	7.99E-01	9.47E+00	1.81E+00	-2.84E-01	7.41E-01	2.77E-01	-9.37E-01	-8.21E-01	-1.45E-03	-1.05E-01	-6.94E-03	-8.68E-03	-5.54E-03	-8.39E-03	-5.08E+00
143	371953	757977	Offsite Worker	2.06E+00	2.60E+00	7.46E-01	8.27E+00	1.91E+00	-5.02E-01	7.86E-01	2.90E-01	-1.11E+00	-8.72E-01	-4.28E-04	-4.63E-02	-1.87E-03	-2.57E-03	-1.75E-03	-2.48E-03	-1.60E+00
144	371948	757880	Offsite Worker	2.36E+00	2.24E+00	5.72E-01	8.23E+00	1.64E+00	-3.13E-01	6.74E-01	2.46E-01	-1.09E+00	-9.40E-01	-1.74E-04	-8.46E-03	-4.57E-04	-1.05E-03	-6.37E-04	-1.01E-03	-5.85E-01
145	371943	757783	Offsite Worker	7.81E-01	1.82E+00	-2.63E+00	4.23E+00	1.25E+00	-4.84E-01	5.52E-01	7.85E-02	-5.70E+00	-5.20E+00	-1.23E-03	-1.01E-01	-6.06E-03	-7.38E-03	-4.79E-03	-7.13E-03	-4.39E+00
146	372016	757794	Offsite Worker	8.43E-01	1.67E+00	-2.54E+00	3.98E+00	1.15E+00	-4.18E-01	5.06E-01	6.68E-02	-5.44E+00	-4.98E+00	-1.39E-03	-1.09E-01	-6.89E-03	-8.35E-03	-5.38E-03	-8.07E-03	-4.93E+00
147	372102	757791	Offsite Worker	6.32E-01	1.42E+00	-2.42E+00	3.13E+00	9.68E-01	-3.73E-01	4.31E-01	4.63E-02	-5.07E+00	-4.64E+00	-1.60E-03	-1.21E-01	-7.99E-03	-9.61E-03	-6.16E-03	-9.29E-03	-5.65E+00
148	372178	757760	Offsite Worker	3.54E-01	1.29E+00	-1.75E+00	2.42E+00	9.00E-01	-3.86E-01	3.96E-01	6.05E-02	-3.96E+00	-3.56E+00	-1.26E-03	-9.12E-02	-6.18E-03	-7.53E-03	-4.80E-03	-7.28E-03	-4.41E+00
149	372177	757670	Offsite Worker	9.15E-01	1.52E+00	-4.72E-01	4.00E+00	1.09E+00	-3.50E-01	4.61E-01	1.33E-01	-2.17E+00	-1.88E+00	-1.25E-03	-8.75E-02	-6.12E-03	-7.49E-03	-4.76E-03	-7.24E-03	-4.36E+00
150	372176	757579	Offsite Worker	5.33E-01	1.39E+00	1.05E-01	3.09E+00	1.02E+00	-3.84E-01	4.26E-01	1.44E-01	-1.21E+00	-9.33E-01	-1.05E-03	-8.42E-02	-5.24E-03	-6.32E-03	-4.09E-03	-6.11E-03	-3.75E+00
151	372174	757489	Offsite Worker	7.35E-01	1.58E+00	-3.67E-01	3.70E+00	1.14E+00	-4.08E-01	4.80E-01	1.43E-01	-2.07E+00	-1.75E+00	-7.75E-04	-5.90E-02	-3.75E-03	-4.65E-03	-2.98E-03	-4.49E-03	-2.74E+00
152	372173	757398	Offsite Worker	2.65E+00	2.49E+00	-2.76E-02	8.89E+00	1.80E+00	-3.42E-01	7.49E-01	2.46E-01	-2.27E+00	-2.05E+00	-1.24E-03	-1.03E-01	-6.17E-03	-7.43E-03	-4.83E-03	-7.19E-03	-4.43E+00
153	372171	757308	Offsite Worker	4.49E+00	3.25E+00	1.49E+00	1.39E+01	2.39E+00	-2.41E-01	9.74E-01	3.82E-01	-5.33E-01	-5.06E-01	-1.20E-03	-8.66E-02	-5.78E-03	-7.19E-03	-4.58E-03	-6.95E-03	-4.20E+00
154	372055	757309	Offsite Worker	3.32E+00	2.87E+00	3.69E-01	1.09E+01	2.09E+00	-3.40E-01	8.63E-01	3.00E-01	-2.00E+00	-1.80E+00	-1.01E-03	-8.08E-02	-4.83E-03	-6.04E-03	-3.91E-03	-5.84E-03	-3.58E+00
156	372055	757416	Offsite Worker	5.23E-01	1.67E+00	-5.97E-01	3.43E+00	1.21E+00	-4.84E-01	5.10E-01	1.44E-01	-2.52E+00	-2.13E+00	-1.02E-03	-8.53E-02	-5.05E-03	-6.13E-03	-3.99E-03	-5.92E-03	-3.66E+00
157	371952	757442	Offsite Worker	5.67E-01	1.52E+00	1.85E-02	3.60E+00	1.12E+00	-4.23E-01	4.66E-01	1.53E-01	-1.46E+00	-1.15E+00	-4.40E-04	-1.19E-02	-1.75E-03	-2.64E-03	-1.54E-03	-2.55E-03	-1.42E+00
158	371950	757345	Offsite Worker	2.24E-01	1.82E+00	-9.96E-01	3.19E+00	1.31E+00	-5.97E-01	5.58E-01	1.44E-01	-3.28E+00	-2.80E+00	-4.50E-04	-5.64E-02	-2.09E-03	-2.70E-03	-1.89E-03	-2.61E-03	-1.73E+00
159	371864	757344	Offsite Worker	-6.01E-01	1.64E+00	-9.65E-01	1.41E+00	1.19E+00	-7.01E-01	5.08E-01	1.28E-01	-3.10E+00	-2.54E+00	-5.28E-04	-5.99E-02	-2.46E-03	-3.17E-03	-2.17E-03	-3.06E-03	-1.99E+00
160	371790	757347	Offsite Worker	-3.82E-01	1.63E+00	-5.84E-01	1.94E+00	1.19E+00	-6.52E-01	5.02E-01	1.42E-01	-2.50E+00	-2.00E+00	-1.12E-03	-9.25E-02	-5.49E-03	-6.69E-03	-4.35E-03	-6.47E-03	-3.99E+00
161	371708	757356	Offsite Worker	8.01E-01	1.81E+00	-3.07E-01	4.68E+00	1.32E+00	-4.78E-01	5.53E-01	1.69E-01	-2.20E+00	-1.84E+00	-1.05E-03	-6.17E-02	-4.95E-03	-6.31E-03	-3.92E-03	-6.10E-03	-3.60E+00
162	371615	757356	Offsite Worker	1.55E+00	1.95E+00	-8.46E-02	6.46E+00	1.42E+00	-3.75E-01	5.91E-01	1.91E-01	-1.95E+00	-1.68E+00	-1.22E-03	-6.14E-02	-5.73E-03	-7.34E-03	-4.48E-03	-7.09E-03	-4.12E+00
163	371523	757356	Offsite Worker	1.76E+00	1.99E+00	2.55E-01	7.01E+00	1.45E+00	-3.46E-01	6.02E-01	2.08E-01	-1.46E+00	-1.23E+00	-1.70E-03	-9.80E-02	-8.21E-03	-1.02E-02	-6.32E-03	-9.85E-03	-5.80E+00
164	371430	757356	Offsite Worker	2.30E+00	2.26E+00	3.69E-01	8.50E+00	1.65E+00	-3.30E-01	6.81E-01	2.39E-01	-1.48E+00	-1.28E+00	-1.99E-03	-1.35E-01	-9.84E-03	-1.19E-02	-7.55E-03	-1.15E-02	-6.93E+00
165	371338	757356	Offsite Worker	2.20E+00	2.30E+00	-1.28E-02	8.28E+00	1.67E+00	-3.65E-01	6.94E-01	2.28E-01	-2.13E+00	-1.88E+00	-2.31E-03	-1.64E-01	-1.15E-02	-1.38E-02	-8.80E-03	-1.34E-02	-8.07E+00
166	371245	757356	Offsite Worker	1.62E+00	2.23E+00	-1.02E+00	6.79E+00	1.60E+00	-4.61E-01	6.77E-01	1.83E-01	-3.65E+00	-3.26E+00	-3.04E-03	-2.29E-01	-1.52E-02	-1.82E-02	-1.17E-02	-1.76E-02	-1.07E+01
167	371153	757356	Offsite Worker	1.19E+00	2.17E+00	-2.51E+00	5.60E+00	1.52E+00	-5.26E-01	6.61E-01	1.18E-01	-5.96E+00	-5.39E+00	-3.83E-03	-2.92E-01	-1.93E-02	-2.30E-02	-1.48E-02	-2.22E-02	-1.35E+01
168	371061	757356	Offsite Worker	8.00E-01	2.13E+00	-4.00E+00	4.55E+00	1.45E+00	-5.90E-01	6.50E-01	5.52E-02	-8.23E+00	-7.51E+00	-4.55E-03	-3.53E-01	-2.30E-02	-2.73E-02	-1.76E-02	-2.64E-02	-1.61E+01
169	371005	757357	Offsite Worker	2.96E-01	2.02E+00	-5.08E+00	3.22E+00	1.34E+00	-6.53E-01	6.18E-01	2.00E-03	-9.79E+00	-8.96E+00	-4.64E-03	-3.62E-01	-2.33E-02	-2.78E-02	-1.79E-02	-2.69E-02	-1.64E+01
170	370998	757293	Offsite Worker	2.02E+00	3.24E+00	-2.29E+00	8.58E+00	2.30E+00	-7.37E-01	9.84E-01	2.34E-01	-6.55E+00	-5.88E+00	-4.44E-03	-3.60E-01	-2.26E-02	-2.66E-02	-1.73E-02	-2.58E-02	-1.58E+01
171	370998	757194	Offsite Worker	1.74E+00	2.89E+00	2.22E-01	7.70E+00	2.12E+00	-6.69E-01	8.80E-01	2.98E-01	-2.44E+00	-1.96E+00	-1.79E-03	-1.36E-01	-8.66E-03	-1.07E-02	-6.89E-03	-1.04E-02	-6.32E+00
172	370998	757096	Offsite Worker	2.09E-01	2.38E+00	-1.60E+00	3.65E+00	1.71E+00	-7.99E-01	7.33E-01	1.76E-01	-4.89E+00	-4.17E+00	-2.27E-03	-1.56E-01	-1.11E-02	-1.36E-02	-8.64E-03	-1.32E-02	-7.92E+00
173	370998	756998	Offsite Worker	6.19E-01	2.23E+00	-2.98E+00	3.80E+00	1.57E+00	-6.67E-01	7.04E-01	9.90E-02	-7.93E+00	-6.80E+00	-1.18E-03	-6.54E-02	-5.57E-03	-7.10E-03	-4.38E-03	-6.86E-03	-4.02E+00
174	371057	756997	Offsite Worker	1.85E+00	2.64E+00	-7.85E-01	7.25E+00	1.92E+00	-5.60E-01	8.14E-01	2.29E-01	-4.36E+00	-3.65E+00	-1.25E-03	-5.10E-02	-5.72E-03	-7.52E-03	-4.51E-03	-7.26E-03	-4.14E+00
175	371153	756997	Offsite Worker	1.26E+00	2.50E+00	-7.61E-01	5.92E+00	1.82E+00	-6.28E-01	7.70E-01	2.17E-01	-4.03E+00	-3.35E+00	-7.19E-04	-2.13E-02	-2.98E-03	-4.31E-03	-2.53E-03	-4.17E-03	-2.32E+00
176	371249	756997	Offsite Worker	1.59E+00	2.63E+00	-2.85E-01	6.77E+00	1.92E+00	-6.07E-01	8.09E-01	2.48E-01	-3.49E+00	-2.82E+00	-8.54E-04	-3.70E-02	-3.74E-03	-5.12E-03	-3.09E-03	-4.95E-03	-2.84E+00
177	371345	756997	Offsite Worker	2.36E+00	2.86E+00	-5.86E-01	8.58E+00	2.08E+00	-5.34E-01	8.78E-01	2.57E-01	-4.27E+00	-3.58E+00	-5.82E-04	-1.96E-02	-2.40E-03	-3.49E-03	-2.07E-03	-3.38E-03	-1.90E+00
178	371440	756997	Offsite Worker	3.79E+00	3.45E+00	4.09E-01	1.26E+01	2.52E+00	-4.52E-01	1.04E+00	3.58E-01	-2.70E+00	-2.34E+00	-1.28E-03	-6.94E-02	-5.91E-03	-7.66E-03	-4.72E-03	-7.41E-03	-4.33E+00
179	371536	756997	Offsite Worker	5.55E+00	4.23E+00	1.23E+00	1.74E+01	3.09E+00	-3.70E-01	1.27E+00	4.68E-01	-1.88E+00	-1.72E+00	-1.46E-03	-7.94E-02	-6.75E-03	-8.76E-03	-5.40E-03	-8.46E-03	-4.95E+00
180	371632	756997	Offsite Worker	6.37E+00	4.51E+00	2.50E+00	1.95E+01	3.33E+00	-3.04E-01	1.35E+00	5.46E-01	-9.54E-02	-9.49E-02	-1.33E-03	-7.35E-02	-6.11E-03	-7.97E-03	-4.92E-03	-7.71E-03	-4.52E+00
181	371728	756997	Offsite Worker	6.62E+00	4.52E+00	3.35E+00	2.02E+01	3.35E+00	-2.54E-01	1.35E+00	5.80E-01	1.26E+00	1.15E+00	-1.08E-03	-5.49E-02	-4.84E-03	-6.47E-03	-3.96E-03	-6.25E-03	-3.63E+00
182	371824	756997	Offsite Worker	6.02E+00	4.15E+00	3.18E+00	1.84E+01	3.08E+00	-2.47E-01	1.24E+00	5.37E-01	1.30E+00	1.20E+00	-3.29E-04	-4.55E-03	-1.00E-03	-1.97E-03	-1.12E-03	-1.91E-03	-1.03E+00
183	371920	756997	Offsite Worker	4.32E+00	3.19E+00	3.48E+00	1.36E+01	2.41E+00	-2.52E-01	9.58E-01	4.54E-01	2.50E+00	2.43E+00	2.08E-04	3.31E-02	1.77E-03	1.25E-03	9.24E-04	1.21E-03	8.45E-01
184	372016	756997	Offsite Worker	5.89E+00	3.95E+00	5.97E+00	1.81E+01	3.02E+00	-2.03E-01	1.18E+00	6.28E-01	5.76E+00	5.45E+00	1.83E-03	1.54E-01	1.03E-02	1.10E-02	7.15E-03	1.06E-02	6.56E+00
185	372111	756997	Offsite Worker	4.32E+00	3.10E+00	3.86E+00	1.35E+01	2.35E+00	-2.22E-01	9.31E-01	4.60E-01	3.18E+00	3.06E+00	1.45E-03	1.20E-01	8.22E-03	8.69E-03	5.65E-03	8.40E-03	5.18E+00
186	372207	756997	Offsite Worker	5.24E+00	3.49E+00	6.58E+00	1.62E+01	2.70E+00	-1.71E-01	1.04E+00	6.05E-01	7.08E+00	6.71E+00	2.35E-03	1.80E-01	1.29E-02	1.41E-02	9.06E-03	1.36E-02	8.31E+00

Table 3-4A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 4, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
187	372303	756997	Offsite Worker	3.86E+00	2.77E+00	3.56E+00	1.20E+01	2.10E+00	-1.98E-01	8.32E-01	4.15E-01	3.00E+00	2.88E+00	1.23E-03	9.93E-02	6.97E-03	7.38E-03	4.78E-03	7.13E-03	4.38E+00
188	372399	756997	Offsite Worker	4.31E+00	2.99E+00	2.92E+00	1.32E+01	2.24E+00	-1.82E-01	8.95E-01	4.11E-01	1.87E+00	1.77E+00	1.19E-04	1.43E-02	1.08E-03	7.12E-04	4.95E-04	6.88E-04	4.53E-01
189	372495	756997	Offsite Worker	4.08E+00	2.84E+00	2.88E+00	1.25E+01	2.13E+00	-1.78E-01	8.51E-01	3.95E-01	1.93E+00	1.84E+00	3.34E-04	3.14E-02	2.22E-03	2.00E-03	1.33E-03	1.94E-03	1.22E+00
190	372591	756997	Offsite Worker	4.96E+00	3.29E+00	3.29E+00	1.50E+01	2.46E+00	-1.57E-01	9.82E-01	4.56E-01	2.24E+00	2.08E+00	2.09E-04	2.12E-02	1.51E-03	1.25E-03	8.42E-04	1.21E-03	7.72E-01
191	372610	757063	Offsite Worker	4.34E+00	2.93E+00	2.62E+00	1.32E+01	2.19E+00	-1.55E-01	8.75E-01	3.94E-01	1.50E+00	1.40E+00	8.78E-06	4.36E-03	3.79E-04	5.27E-05	6.02E-05	5.09E-05	5.48E-02
192	372612	757132	Offsite Worker	4.28E+00	2.87E+00	2.68E+00	1.30E+01	2.14E+00	-1.47E-01	8.58E-01	3.90E-01	1.64E+00	1.53E+00	1.69E-04	1.78E-02	1.23E-03	1.01E-03	6.87E-04	9.81E-04	6.29E-01
193	372614	757201	Offsite Worker	4.05E+00	2.76E+00	2.25E+00	1.23E+01	2.06E+00	-1.56E-01	8.27E-01	3.63E-01	1.07E+00	9.93E-01	-2.66E-04	-1.54E-02	-1.05E-03	-1.60E-03	-9.90E-04	-1.54E-03	-9.08E-01
194	372616	757270	Offsite Worker	3.49E+00	2.48E+00	1.50E+00	1.07E+01	1.84E+00	-1.70E-01	7.44E-01	3.05E-01	1.34E-01	1.29E-01	-7.27E-04	-4.85E-02	-3.42E-03	-4.36E-03	-2.75E-03	-4.22E-03	-2.53E+00
195	372627	757351	Offsite Worker	4.34E+00	2.95E+00	1.82E+00	1.31E+01	2.18E+00	-1.63E-01	8.82E-01	3.64E-01	2.84E-01	2.26E-01	-7.96E-04	-5.68E-02	-3.80E-03	-4.78E-03	-3.04E-03	-4.62E-03	-2.79E+00
196	372651	757422	Offsite Worker	4.72E+00	3.15E+00	1.79E+00	1.42E+01	2.32E+00	-1.58E-01	9.40E-01	3.83E-01	8.40E-02	2.05E-02	-7.30E-04	-4.65E-02	-3.38E-03	-4.38E-03	-2.75E-03	-4.23E-03	-2.52E+00
197	372676	757494	Offsite Worker	4.53E+00	3.08E+00	1.77E+00	1.37E+01	2.27E+00	-1.70E-01	9.20E-01	3.75E-01	9.83E-02	4.74E-02	-8.83E-04	-5.93E-02	-4.18E-03	-5.30E-03	-3.35E-03	-5.12E-03	-3.07E+00
198	372704	757569	Offsite Worker	4.07E+00	2.83E+00	1.21E+00	1.24E+01	2.07E+00	-1.75E-01	8.45E-01	3.28E-01	-5.75E-01	-5.72E-01	-9.81E-04	-6.87E-02	-4.72E-03	-5.89E-03	-3.74E-03	-5.69E-03	-3.43E+00
199	372733	757645	Offsite Worker	3.05E+00	2.41E+00	6.28E-01	9.63E+00	1.76E+00	-2.34E-01	7.23E-01	2.64E-01	-1.13E+00	-1.04E+00	-9.66E-04	-6.91E-02	-4.70E-03	-5.80E-03	-3.69E-03	-5.60E-03	-3.38E+00
200	372746	757702	Offsite Worker	2.31E+00	2.06E+00	2.41E-01	7.60E+00	1.50E+00	-2.62E-01	6.21E-01	2.15E-01	-1.45E+00	-1.31E+00	-8.24E-04	-6.45E-02	-4.07E-03	-4.94E-03	-3.19E-03	-4.78E-03	-2.92E+00
201	372746	757768	Offsite Worker	1.37E+00	1.65E+00	1.72E-02	5.09E+00	1.20E+00	-3.04E-01	4.99E-01	1.65E-01	-1.48E+00	-1.27E+00	-7.99E-04	-6.83E-02	-3.99E-03	-4.80E-03	-3.13E-03	-4.64E-03	-2.87E+00
202	372807	757781	Offsite Worker	1.68E+00	1.76E+00	6.53E-02	5.88E+00	1.28E+00	-2.82E-01	5.32E-01	1.78E-01	-1.49E+00	-1.31E+00	-7.57E-04	-6.33E-02	-3.77E-03	-4.54E-03	-2.96E-03	-4.39E-03	-2.71E+00
203	372901	757782	Offsite Worker	2.20E+00	1.97E+00	2.48E-01	7.25E+00	1.44E+00	-2.51E-01	5.93E-01	2.06E-01	-1.36E+00	-1.22E+00	-7.00E-04	-5.57E-02	-3.46E-03	-4.20E-03	-2.71E-03	-4.06E-03	-2.49E+00
204	372994	757783	Offsite Worker	2.68E+00	2.17E+00	5.29E-01	8.54E+00	1.59E+00	-2.24E-01	6.51E-01	2.37E-01	-1.08E+00	-9.86E-01	-7.71E-04	-5.57E-02	-3.75E-03	-4.63E-03	-2.95E-03	-4.47E-03	-2.70E+00
205	373087	757783	Offsite Worker	3.15E+00	2.36E+00	8.46E-01	9.77E+00	1.73E+00	-1.95E-01	7.06E-01	2.67E-01	-7.35E-01	-6.88E-01	-8.47E-04	-5.88E-02	-4.08E-03	-5.08E-03	-3.22E-03	-4.91E-03	-2.96E+00
206	373180	757784	Offsite Worker	3.45E+00	2.45E+00	1.18E+00	1.05E+01	1.80E+00	-1.68E-01	7.33E-01	2.90E-01	-3.01E-01	-2.96E-01	-8.85E-04	-6.21E-02	-4.25E-03	-5.31E-03	-3.37E-03	-5.13E-03	-3.09E+00
207	373274	757785	Offsite Worker	3.51E+00	2.43E+00	1.37E+00	1.07E+01	1.79E+00	-1.47E-01	7.26E-01	2.95E-01	-1.83E-04	-1.78E-02	-8.24E-04	-5.77E-02	-3.95E-03	-4.94E-03	-3.14E-03	-4.78E-03	-2.88E+00
208	373367	757786	Offsite Worker	3.40E+00	2.35E+00	1.35E+00	1.03E+01	1.73E+00	-1.42E-01	7.03E-01	2.86E-01	4.04E-02	1.96E-02	-7.59E-04	-5.52E-02	-3.64E-03	-4.56E-03	-2.91E-03	-4.40E-03	-2.67E+00
209	373418	757742	Offsite Worker	3.30E+00	2.28E+00	1.18E+00	1.00E+01	1.68E+00	-1.37E-01	6.81E-01	2.72E-01	-1.61E-01	-1.70E-01	-6.42E-04	-4.80E-02	-3.08E-03	-3.85E-03	-2.47E-03	-3.72E-03	-2.26E+00
210	373418	757653	Offsite Worker	2.88E+00	2.02E+00	9.46E-01	8.76E+00	1.48E+00	-1.29E-01	6.03E-01	2.37E-01	-2.94E-01	-2.90E-01	-7.64E-04	-5.60E-02	-3.73E-03	-4.58E-03	-2.93E-03	-4.43E-03	-2.68E+00
211	373419	757564	Offsite Worker	2.68E+00	1.88E+00	1.16E+00	8.18E+00	1.39E+00	-1.21E-01	5.62E-01	2.32E-01	1.53E-01	1.39E-01	-6.34E-04	-4.65E-02	-3.05E-03	-3.81E-03	-2.43E-03	-3.68E-03	-2.23E+00
212	373419	757475	Offsite Worker	3.11E+00	2.09E+00	1.75E+00	9.42E+00	1.56E+00	-1.09E-01	6.25E-01	2.76E-01	8.77E-01	8.13E-01	-3.30E-04	-2.44E-02	-1.47E-03	-1.98E-03	-1.26E-03	-1.91E-03	-1.16E+00
213	373420	757386	Offsite Worker	3.61E+00	2.36E+00	2.29E+00	1.09E+01	1.77E+00	-1.03E-01	7.06E-01	3.24E-01	1.50E+00	1.38E+00	-1.28E-04	-6.73E-03	-3.99E-04	-7.70E-04	-4.73E-04	-7.45E-04	-4.34E-01
214	373420	757297	Offsite Worker	3.86E+00	2.50E+00	2.17E+00	1.16E+01	1.86E+00	-1.01E-01	7.46E-01	3.33E-01	1.20E+00	1.09E+00	-2.46E-04	-1.42E-02	-9.78E-04	-1.47E-03	-9.15E-04	-1.43E-03	-8.39E-01
215	373421	757207	Offsite Worker	3.90E+00	2.53E+00	2.04E+00	1.17E+01	1.88E+00	-1.05E-01	7.56E-01	3.31E-01	9.77E-01	8.73E-01	-3.33E-04	-2.45E-02	-1.43E-03	-2.00E-03	-1.28E-03	-1.93E-03	-1.17E+00
216	373421	757118	Offsite Worker	3.47E+00	2.35E+00	1.93E+00	1.05E+01	1.75E+00	-1.28E-01	7.04E-01	3.09E-01	9.11E-01	8.53E-01	-7.04E-05	-2.43E-03	2.11E-05	-4.22E-04	-2.50E-04	-4.08E-04	-2.30E-01
217	373292	757117	Offsite Worker	3.76E+00	2.50E+00	2.10E+00	1.13E+01	1.86E+00	-1.22E-01	7.47E-01	3.31E-01	1.06E+00	9.83E-01	-6.95E-05	-2.38E-03	2.77E-05	-4.17E-04	-2.47E-04	-4.03E-04	-2.27E-01
218	373213	757118	Offsite Worker	3.94E+00	2.60E+00	2.19E+00	1.19E+01	1.94E+00	-1.21E-01	7.78E-01	3.44E-01	1.12E+00	1.03E+00	-1.32E-04	-6.13E-03	-3.16E-04	-7.93E-04	-4.81E-04	-7.67E-04	-4.42E-01
219	373158	757066	Offsite Worker	4.06E+00	2.69E+00	2.41E+00	1.23E+01	2.01E+00	-1.29E-01	8.05E-01	3.62E-01	1.37E+00	1.27E+00	1.10E-04	1.25E-02	9.94E-04	6.60E-04	4.53E-04	6.38E-04	4.15E-01
220	373084	757026	Offsite Worker	4.40E+00	2.92E+00	2.77E+00	1.33E+01	2.18E+00	-1.40E-01	8.72E-01	3.98E-01	1.74E+00	1.62E+00	2.69E-04	2.33E-02	1.84E-03	1.61E-03	1.06E-03	1.56E-03	9.68E-01
221	373009	757011	Offsite Worker	4.48E+00	2.98E+00	2.89E+00	1.36E+01	2.23E+00	-1.43E-01	8.89E-01	4.09E-01	1.88E+00	1.74E+00	2.65E-04	2.23E-02	1.83E-03	1.59E-03	1.04E-03	1.54E-03	9.51E-01
222	372922	757009	Offsite Worker	4.34E+00	2.90E+00	2.45E+00	1.31E+01	2.16E+00	-1.45E-01	8.67E-01	3.84E-01	1.26E+00	1.17E+00	9.45E-05	1.02E-02	9.37E-04	5.67E-04	3.86E-04	5.48E-04	3.53E-01
223	372835	757007	Offsite Worker	4.94E+00	3.25E+00	2.69E+00	1.49E+01	2.42E+00	-1.49E-01	9.72E-01	4.29E-01	1.34E+00	1.22E+00	-2.08E-04	-1.62E-02	-6.84E-04	-1.25E-03	-8.04E-04	-1.21E-03	-7.38E-01
224	372747	757006	Offsite Worker	5.74E+00	3.70E+00	3.29E+00	1.72E+01	2.75E+00	-1.44E-01	1.10E+00	4.96E-01	1.92E+00	1.74E+00	2.48E-05	7.55E-03	5.59E-04	1.49E-04	1.36E-04	1.44E-04	1.24E-01
225	372660	757004	Offsite Worker	5.65E+00	3.66E+00	3.50E+00	1.70E+01	2.73E+00	-1.46E-01	1.09E+00	5.00E-01	2.28E+00	2.09E+00	1.35E-04	1.64E-02	1.11E-03	8.09E-04	5.63E-04	7.82E-04	5.16E-01
226	372651	757063	Offsite Worker	4.28E+00	2.90E+00	2.60E+00	1.30E+01	2.17E+00	-1.57E-01	8.68E-01	3.90E-01	1.48E+00	1.38E+00	8.99E-05	1.03E-02	7.99E-04	5.39E-04	3.71E-04	5.21E-04	3.40E-01
227	372629	756931	Offsite Worker	6.58E+00	4.14E+00	4.34E+00	1.96E+01	3.10E+00	-1.29E-01	1.23E+00	5.81E-01	3.17E+00	2.90E+00	5.29E-04	4.62E-02	3.24E-03	3.18E-03	2.08E-03	3.07E-03	1.91E+00
228	372631	756857	Offsite Worker	7.69E+00	4.67E+00	7.07E+00	2.29E+01	3.56E+00	-9.23E-02	1.39E+00	7.42E-01	6.94E+00	6.44E+00	2.00E-03	1.51E-01	1.10E-02	1.20E-02	7.69E-03	1.16E-02	7.05E+00
229	372634	756783	Offsite Worker	8.33E+00	5.03E+00	6.55E+00	2.47E+01	3.80E+00	-8.88E-02	1.50E+00	7.57E-01	5.88E+00	5.39E+00	1.37E-03	1.06E-01	7.78E-03	8.24E-03	5.30E-03	7.97E-03	4.86E+00
230	372702	756778	Offsite Worker	6.69E+00	4.18E+00	4.53E+00	1.99E+01	3.14E+00	-1.20E-01	1.25E+00	5.93E-01	3.42E+00	3.13E+00	7.01E-04	5.12E-02	4.19E-03	4.21E-03	2.69E-03	4.07E-03	2.46E+00
231	372756	756775	Offsite Worker	6.55E+00	4.12E+00	4.22E+00	1.95E+01	3.08E+00	-1.26E-01	1.23E+00	5.74E-01	2.99E+00	2.73E+00	7.20E-04	5.25E-02	4.27E-03	4.32E-03	2.76E-03	4.18E-03	2.53E+00
232	372729	756712	Offsite Worker	7.05E+00	4.43E+00	4.17E+00	2.09E+01	3.31E+00	-1.36E-01	1.32E+00	6.03E-01	2.64E+00	2.39E+00	5.27E-04	4.11E-02	3.33E-03	3.16E-03	2.04E-03	3.05E-03	1.87E+00
233	372703	756650	Offsite Worker	7.78E+00	4.86E+00	4.56E+00	2.31E+01	3.63E+00	-1.41E-01	1.45E+00	6.61E-01	2.90E+00	2.61E+00	-1.37E-04	-9.12E-03	-2.20E-04	-8.23E-04	-5.19E-04	-7.96E-04	-4.76E-01
234	372677	756588	Offsite Worker	1.08E+01	6.59E+00	6.10E+00	3.19E+01	4.91E+00	-1.30E-01	1.96E+00	8.93E-01	3.91E+00	3.44E+00	-8.25E-05	-6.73E-03	8.50E-05	-4.95E-04	-3.21E-04	-4.79E-04	-2.94E-01
235	372619	756588	Offsite Worker	9.63E+00	5.91E+00	5.83E+00	2.84E+01	4.42E+00	-1.38E-01	1.76E+00	8.16E-01	3.99E+00	3.58E+00	3.12E-04	2.26E-02	2.24E-03	1.87E-03	1.20E-03	1.81E-03	1.10E+00
236	372622	756509	Offsite Worker	1.62E+01	9.78E+00	9.75E+00	4.77E+01	7.31E+00	-1.67E-01	2.91E+00	1.35E+00	6.93E+00	6.16E+00	8.32E-04	5.64E-02	5.04E-03	4.99E-03	3.15E-03	4.82E-03	2.89E+00
237	372700	756511	Offsite Worker	1.50E+01	9.05E+00	8.56E+00	4.40E+01	6.75E+00	-1.63E-01	2.69E+00	1.23E+00	5.69E+00	5.02E+00	5.59E-04	3.64E-02	3.43E-03	3.35E-03	2.11E-03	3.24E-03	1.94E+00
238	372789	756510	Offsite Worker	1.34E+01	8.15E+00	7.00E+00	3.94E+01	6.06E+00	-1.63E-01	2.42E+00	1.08E+00	4.02E+00	3.48E+00	5.19E-04	3.72E-02	3.39E-03	3.11E-03	1.98E-03	3.01E-03	1.82E+00
239	372871	756509	Offsite Worker	1.18E+01	7.26E+00	5.52E+00	3.48E+01	5.38E+00	-1.65E-01	2.16E+00	9.37E-01	2.46E+00	2.05E+00	1.94E-04	1.76E-02	1.85E-03	1.16E-03	7.67E-04	1.12E-03	7.03E-01
240	372871	756437	Offsite Worker	7.85E+00	4.96E+00	4.68E+00	2.34E+01	3.71E+00	-1.65E-01	1.48E+00	6.77E-01	3.00E+00	2.72E+00	-1.88E-04	-1.23E-02	4.55E-05	-1.13E-03	-7.09E-04	-1.09E-03	-6.50E-01
241	372970	756437	Offsite Worker	7.18E+00	4.55E+00	3.98E+00	2.14E+01	3.39E+00	-1.51E-01	1.36E+00	6.07E-01	2.27E+00	2.03E+00	-7.28E-04	-4.93E-02	-2.85E-03	-4.37E-03	-2.76E-03	-4.23E-03	-2.53E+00
242	373069	756437	Offsite Worker	6.81E+00	4.30E+00	3.29E+00	2.02E+01	3.19E+00	-1.39E-01	1.28E+00	5.55E-01	1.42E+00	1.23E+00	-7.99E-04	-5.64E-02	-3.38E-03	-4.79E-03	-3.05E-03	-4.63E-03	-2.79E+00

Table 3-4A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 4, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
243	373168	756437	Offsite Worker	6.57E+00	4.15E+00	2.66E+00	1.94E+01	3.06E+00	-1.35E-01	1.24E+00	5.16E-01	5.90E-01	4.35E-01	-6.10E-04	-4.69E-02	-2.60E-03	-3.66E-03	-2.35E-03	-3.54E-03	-2.16E+00
244	373267	756437	Offsite Worker	6.36E+00	4.01E+00	2.13E+00	1.88E+01	2.95E+00	-1.31E-01	1.20E+00	4.82E-01	-1.05E-01	-2.29E-01	-7.42E-04	-5.49E-02	-3.29E-03	-4.45E-03	-2.85E-03	-4.30E-03	-2.61E+00
245	373412	756437	Offsite Worker	5.62E+00	3.56E+00	1.92E+00	1.66E+01	2.62E+00	-1.19E-01	1.06E+00	4.28E-01	-5.48E-02	-1.61E-01	-6.82E-04	-4.88E-02	-3.01E-03	-4.09E-03	-2.61E-03	-3.96E-03	-2.39E+00
246	373409	756339	Offsite Worker	4.36E+00	2.91E+00	1.83E+00	1.31E+01	2.15E+00	-1.46E-01	8.71E-01	3.61E-01	2.78E-01	2.34E-01	-6.31E-04	-3.64E-02	-2.61E-03	-3.79E-03	-2.35E-03	-3.66E-03	-2.15E+00
247	373406	756240	Offsite Worker	4.83E+00	3.17E+00	2.19E+00	1.45E+01	2.35E+00	-1.43E-01	9.48E-01	4.01E-01	6.55E-01	5.64E-01	-5.68E-04	-2.53E-02	-2.22E-03	-3.41E-03	-2.06E-03	-3.29E-03	-1.89E+00
248	373403	756142	Offsite Worker	5.40E+00	3.31E+00	2.66E+00	1.59E+01	2.46E+00	-7.68E-02	9.88E-01	4.33E-01	1.28E+00	1.10E+00	-2.99E-04	2.21E-02	-6.22E-04	-1.80E-03	-8.32E-04	-1.74E-03	-7.69E-01
249	373400	756042	Offsite Worker	4.74E+00	3.33E+00	2.11E+00	1.45E+01	2.46E+00	-2.15E-01	9.94E-01	4.14E-01	4.30E-01	3.74E-01	-9.18E-04	-4.51E-02	-4.11E-03	-5.51E-03	-3.36E-03	-5.33E-03	-3.08E+00
250	373397	755944	Offsite Worker	4.62E+00	3.25E+00	1.24E+00	1.41E+01	2.38E+00	-2.15E-01	9.72E-01	3.72E-01	-8.54E-01	-8.48E-01	-1.00E-03	-5.38E-02	-4.61E-03	-6.02E-03	-3.70E-03	-5.82E-03	-3.40E+00
251	373393	755846	Offsite Worker	4.24E+00	3.01E+00	1.07E+00	1.30E+01	2.20E+00	-2.03E-01	8.99E-01	3.41E-01	-8.93E-01	-8.81E-01	-1.40E-03	-7.89E-02	-6.55E-03	-8.37E-03	-5.18E-03	-8.10E-03	-4.76E+00
252	373390	755747	Offsite Worker	3.91E+00	2.77E+00	6.29E-01	1.19E+01	2.01E+00	-1.85E-01	8.26E-01	3.00E-01	-1.35E+00	-1.33E+00	-1.26E-03	-6.69E-02	-5.86E-03	-7.58E-03	-4.66E-03	-7.33E-03	-4.28E+00
253	373309	755744	Offsite Worker	3.98E+00	2.80E+00	5.54E-01	1.21E+01	2.03E+00	-1.84E-01	8.36E-01	3.00E-01	-1.49E+00	-1.46E+00	-1.31E-03	-6.72E-02	-6.06E-03	-7.86E-03	-4.82E-03	-7.60E-03	-4.42E+00
254	373229	755743	Offsite Worker	4.25E+00	2.95E+00	6.06E-01	1.29E+01	2.14E+00	-1.81E-01	8.80E-01	3.17E-01	-1.52E+00	-1.51E+00	-1.38E-03	-6.96E-02	-6.37E-03	-8.26E-03	-5.05E-03	-7.98E-03	-4.64E+00
255	373143	755741	Offsite Worker	4.73E+00	3.22E+00	7.59E-01	1.43E+01	2.34E+00	-1.78E-01	9.60E-01	3.50E-01	-1.50E+00	-1.50E+00	-1.51E-03	-7.79E-02	-7.02E-03	-9.05E-03	-5.55E-03	-8.75E-03	-5.09E+00
256	373143	755823	Offsite Worker	4.39E+00	3.13E+00	5.98E-01	1.34E+01	2.27E+00	-2.15E-01	9.34E-01	3.35E-01	-1.68E+00	-1.65E+00	-1.59E-03	-7.83E-02	-7.39E-03	-9.54E-03	-5.82E-03	-9.22E-03	-5.34E+00
257	373143	755906	Offsite Worker	4.73E+00	3.45E+00	7.64E-01	1.46E+01	2.51E+00	-2.62E-01	1.03E+00	3.73E-01	-1.71E+00	-1.66E+00	-1.35E-03	-6.15E-02	-6.24E-03	-8.12E-03	-4.92E-03	-7.85E-03	-4.52E+00
258	373065	755906	Offsite Worker	4.86E+00	3.56E+00	5.90E-01	1.50E+01	2.58E+00	-2.73E-01	1.06E+00	3.77E-01	-2.05E+00	-1.99E+00	-1.41E-03	-6.21E-02	-6.49E-03	-8.45E-03	-5.10E-03	-8.17E-03	-4.69E+00
259	373065	755827	Offsite Worker	4.45E+00	3.23E+00	3.56E-01	1.37E+01	2.34E+00	-2.38E-01	9.63E-01	3.35E-01	-2.11E+00	-2.06E+00	-1.81E-03	-8.65E-02	-8.47E-03	-1.09E-02	-6.62E-03	-1.05E-02	-6.08E+00
260	373068	755733	Offsite Worker	5.32E+00	3.47E+00	1.00E+00	1.59E+01	2.52E+00	-1.47E-01	1.03E+00	3.83E-01	-1.32E+00	-1.37E+00	-1.56E-03	-7.79E-02	-7.25E-03	-9.37E-03	-5.72E-03	-9.06E-03	-5.25E+00
261	373007	755733	Offsite Worker	5.53E+00	3.59E+00	1.06E+00	1.65E+01	2.61E+00	-1.47E-01	1.07E+00	3.97E-01	-1.33E+00	-1.39E+00	-1.60E-03	-8.15E-02	-7.46E-03	-9.62E-03	-5.89E-03	-9.30E-03	-5.41E+00
262	372941	755733	Offsite Worker	5.81E+00	3.73E+00	1.05E+00	1.73E+01	2.71E+00	-1.40E-01	1.11E+00	4.11E-01	-1.46E+00	-1.52E+00	-1.69E-03	-8.65E-02	-7.88E-03	-1.01E-02	-6.20E-03	-9.79E-03	-5.69E+00
263	372941	755636	Offsite Worker	5.00E+00	3.23E+00	1.32E+00	1.50E+01	2.36E+00	-1.29E-01	9.63E-01	3.72E-01	-6.98E-01	-7.51E-01	-1.61E-03	-9.68E-02	-7.65E-03	-9.63E-03	-6.00E-03	-9.31E-03	-5.51E+00
264	372941	755539	Offsite Worker	4.40E+00	2.84E+00	1.09E+00	1.32E+01	2.08E+00	-1.13E-01	8.47E-01	3.24E-01	-7.26E-01	-7.68E-01	-1.73E-03	-1.06E-01	-8.37E-03	-1.04E-02	-6.48E-03	-1.00E-02	-5.95E+00
265	372941	755442	Offsite Worker	3.18E+00	2.19E+00	8.40E-01	9.70E+00	1.60E+00	-1.29E-01	6.54E-01	2.50E-01	-5.91E-01	-5.86E-01	-2.33E-03	-1.50E-01	-1.15E-02	-1.40E-02	-8.79E-03	-1.35E-02	-8.06E+00
266	372913	755342	Offsite Worker	2.05E+00	1.55E+00	-1.89E-01	6.34E+00	1.12E+00	-1.32E-01	4.65E-01	1.46E-01	-1.66E+00	-1.57E+00	-3.68E-03	-2.45E-01	-1.84E-02	-2.21E-02	-1.39E-02	-2.14E-02	-1.28E+01
267	372817	755346	Offsite Worker	1.67E+00	1.36E+00	-6.73E-01	5.32E+00	9.69E-01	-1.44E-01	4.10E-01	1.09E-01	-2.28E+00	-2.13E+00	-4.71E-03	-3.17E-01	-2.36E-02	-2.82E-02	-1.78E-02	-2.73E-02	-1.64E+01
268	372720	755349	Offsite Worker	1.70E+00	1.39E+00	-1.36E+00	5.43E+00	9.71E-01	-1.49E-01	4.19E-01	8.44E-02	-3.36E+00	-3.16E+00	-7.09E-03	-4.84E-01	-3.58E-02	-4.26E-02	-2.69E-02	-4.11E-02	-2.47E+01
269	372624	755352	Offsite Worker	1.61E+00	1.30E+00	-1.75E+00	5.12E+00	8.91E-01	-1.33E-01	3.90E-01	5.96E-02	-3.86E+00	-3.65E+00	-9.75E-03	-6.65E-01	-4.93E-02	-5.85E-02	-3.70E-02	-5.66E-02	-3.40E+01
270	372527	755349	Offsite Worker	1.39E+00	1.18E+00	-1.82E+00	4.39E+00	8.01E-01	-1.34E-01	3.53E-01	4.45E-02	-3.88E+00	-3.66E+00	-6.75E-03	-4.62E-01	-3.40E-02	-4.05E-02	-2.56E-02	-3.91E-02	-2.35E+01
271	372431	755353	Offsite Worker	1.50E+00	1.29E+00	-2.12E+00	4.68E+00	8.73E-01	-1.52E-01	3.86E-01	4.41E-02	-4.42E+00	-4.17E+00	-5.52E-03	-3.84E-01	-2.78E-02	-3.31E-02	-2.10E-02	-3.20E-02	-1.93E+01
272	372334	755356	Offsite Worker	6.82E-01	8.42E-01	-1.54E+00	2.43E+00	5.71E-01	-1.60E-01	2.55E-01	2.28E-02	-3.19E+00	-2.96E+00	-5.13E-03	-3.57E-01	-2.58E-02	-3.08E-02	-1.95E-02	-2.97E-02	-1.79E+01
273	372237	755359	Offsite Worker	1.26E+00	1.13E+00	-1.48E+00	4.02E+00	7.77E-01	-1.43E-01	3.40E-01	5.36E-02	-3.31E+00	-3.11E+00	-5.44E-03	-3.79E-01	-2.74E-02	-3.27E-02	-2.07E-02	-3.16E-02	-1.90E+01
274	372141	755362	Offsite Worker	7.14E-01	8.11E-01	-2.22E-01	2.58E+00	5.84E-01	-1.42E-01	2.45E-01	7.21E-02	-1.09E+00	-9.77E-01	-9.88E-03	-6.87E-01	-5.00E-02	-5.93E-02	-3.76E-02	-5.73E-02	-3.45E+01
275	372044	755366	Offsite Worker	1.59E+00	1.31E+00	-3.02E-01	5.04E+00	9.38E-01	-1.41E-01	3.92E-01	1.18E-01	-1.60E+00	-1.50E+00	-1.05E-02	-7.28E-01	-5.30E-02	-6.28E-02	-3.98E-02	-6.07E-02	-3.65E+01
276	371948	755369	Offsite Worker	1.37E+00	1.22E+00	-1.61E-02	4.48E+00	8.85E-01	-1.55E-01	3.68E-01	1.21E-01	-1.14E+00	-1.03E+00	-5.70E-03	-4.00E-01	-2.89E-02	-3.42E-02	-2.17E-02	-3.31E-02	-1.99E+01
277	371851	755372	Offsite Worker	1.77E-01	7.57E-01	-1.57E+00	1.22E+00	5.13E-01	-2.32E-01	2.33E-01	1.35E-02	-3.24E+00	-2.93E+00	-4.75E-03	-3.35E-01	-2.40E-02	-2.85E-02	-1.81E-02	-2.76E-02	-1.66E+01
278	371755	755375	Offsite Worker	-7.40E-01	4.08E-01	-3.40E+00	-1.32E+00	2.13E-01	-2.94E-01	1.30E-01	-9.31E-02	-5.77E+00	-5.29E+00	-4.81E-03	-3.34E-01	-2.42E-02	-2.89E-02	-1.83E-02	-2.79E-02	-1.68E+01
279	371658	755378	Offsite Worker	-1.34E+00	1.23E-01	-4.55E+00	-3.07E+00	-2.21E-02	-3.16E-01	4.65E-02	-1.66E-01	-7.32E+00	-6.73E+00	-4.49E-03	-3.11E-01	-2.25E-02	-2.69E-02	-1.71E-02	-2.60E-02	-1.57E+01
280	371562	755382	Offsite Worker	-1.16E+00	2.13E-01	-3.55E+00	-2.47E+00	7.08E-02	-3.11E-01	7.37E-02	-1.18E-01	-5.88E+00	-5.36E+00	-3.58E-03	-2.46E-01	-1.79E-02	-2.15E-02	-1.36E-02	-2.08E-02	-1.25E+01
281	371465	755385	Offsite Worker	7.80E-01	1.18E+00	-1.98E+00	2.98E+00	8.04E-01	-2.58E-01	3.58E-01	3.86E-02	-4.24E+00	-3.89E+00	-2.73E-03	-1.87E-01	-1.36E-02	-1.64E-02	-1.04E-02	-1.58E-02	-9.50E+00
282	371368	755388	Offsite Worker	2.39E+00	1.93E+00	-8.80E-01	7.43E+00	1.37E+00	-2.00E-01	5.81E-01	1.57E-01	-3.12E+00	-2.91E+00	-1.93E-03	-1.40E-01	-9.66E-03	-1.16E-02	-7.39E-03	-1.12E-02	-6.78E+00
283	371272	755391	Offsite Worker	3.04E+00	2.31E+00	2.66E-01	9.42E+00	1.68E+00	-2.00E-01	6.91E-01	2.40E-01	-1.60E+00	-1.50E+00	-1.99E-03	-1.52E-01	-1.00E-02	-1.19E-02	-7.67E-03	-1.15E-02	-7.04E+00
284	371175	755395	Offsite Worker	3.56E+00	2.64E+00	1.28E+00	1.11E+01	1.94E+00	-2.11E-01	7.89E-01	3.13E-01	-2.76E-01	-2.65E-01	-1.99E-03	-1.51E-01	-9.95E-03	-1.19E-02	-7.67E-03	-1.15E-02	-7.03E+00
285	371079	755398	Offsite Worker	3.16E+00	2.36E+00	1.61E+00	9.88E+00	1.75E+00	-1.93E-01	7.05E-01	2.98E-01	4.83E-01	4.61E-01	-1.97E-03	-1.44E-01	-9.77E-03	-1.18E-02	-7.53E-03	-1.14E-02	-6.91E+00
286	371042	755478	Offsite Worker	2.40E+00	1.96E+00	1.18E+00	7.73E+00	1.45E+00	-2.04E-01	5.87E-01	2.41E-01	1.32E-01	1.62E-01	-1.78E-03	-1.31E-01	-8.73E-03	-1.07E-02	-6.81E-03	-1.03E-02	-6.25E+00
287	371009	755538	Offsite Worker	3.59E+00	2.61E+00	1.62E+00	1.11E+01	1.93E+00	-1.94E-01	7.80E-01	3.23E-01	2.86E-01	2.59E-01	-2.27E-03	-1.76E-01	-1.15E-02	-1.36E-02	-8.76E-03	-1.32E-02	-8.03E+00
288	370975	755597	Offsite Worker	2.40E+00	1.91E+00	1.90E+00	7.74E+00	1.43E+00	-1.87E-01	5.73E-01	2.65E-01	1.25E+00	1.23E+00	-2.31E-03	-1.73E-01	-1.15E-02	-1.39E-02	-8.89E-03	-1.34E-02	-8.15E+00
289	370925	755597	Offsite Worker	2.34E+00	1.91E+00	1.34E+00	7.55E+00	1.42E+00	-2.01E-01	5.73E-01	2.43E-01	4.01E-01	4.23E-01	-2.52E-03	-1.84E-01	-1.25E-02	-1.51E-02	-9.64E-03	-1.46E-02	-8.84E+00
290	370860	755547	Offsite Worker	1.05E+00	1.44E+00	-2.15E+00	3.91E+00	9.91E-01	-2.98E-01	4.37E-01	5.93E-02	-4.62E+00	-4.27E+00	-2.92E-03	-2.11E-01	-1.45E-02	-1.75E-02	-1.12E-02	-1.69E-02	-1.02E+01
291	370796	755497	Offsite Worker	3.55E+00	2.68E+00	2.46E-01	1.10E+01	1.94E+00	-2.29E-01	8.03E-01	2.76E-01	-1.91E+00	-1.81E+00	-3.14E-03	-2.18E-01	-1.54E-02	-1.88E-02	-1.19E-02	-1.82E-02	-1.10E+01
292	370733	755428	Offsite Worker	2.49E+00	2.18E+00	-3.95E-01	8.05E+00	1.57E+00	-2.68E-01	6.56E-01	2.02E-01	-2.55E+00	-2.35E+00	-2.01E-03	-1.42E-01	-9.62E-03	-1.21E-02	-7.68E-03	-1.17E-02	-7.04E+00
293	370634	755428	Offsite Worker	2.10E+00	2.03E+00	7.33E-01	7.17E+00	1.50E+00	-2.92E-01	6.13E-01	2.31E-01	-7.11E-01	-5.66E-01	-2.64E-03	-1.83E-01	-1.26E-02	-1.58E-02	-1.00E-02	-1.53E-02	-9.21E+00
294	370536	755428	Offsite Worker	7.35E+00	4.85E+00	1.43E+00	2.19E+01	3.53E+00	-2.24E-01	1.44E+00	5.37E-01	-1.82E+00	-1.87E+00	-5.74E-03	-3.99E-01	-2.85E-02	-3.44E-02	-2.18E-02	-3.33E-02	-2.00E+01
295	370437	755428	Offsite Worker	9.47E+00	6.02E+00	2.48E+00	2.80E+01	4.41E+00	-2.10E-01	1.79E+00	6.96E-01	-1.12E+00	-1.30E+00	-5.28E-03	-3.67E-01	-2.61E-02	-3.17E-02	-2.01E-02	-3.06E-02	-1.84E+01
296	370338	755427	Offsite Worker	1.02E+01	6.51E+00	2.14E+00	3.01E+01	4.75E+00	-2.32E-01	1.94E+00	7.30E-01	-2.04E+00	-2.19E+00	-5.15E-03	-3.61E-01	-2.55E-02	-3.09E-02	-1.96E-02	-2.99E-02	-1.80E+01
307	369249	755442	Offsite Worker	5.18E+00	3.73E+00	8.93E-01	1.58E+01	2.72E+00	-2.67E-01	1.11E+00	4.05E-01	-1.77E+00	-1.72E+00	-2.07E-03	-1.50E-01	-1.03E-02	-1.24E-02	-7.92E-03	-1.20E-02	-7.27E+00
308	369151	755442	Offsite Worker	4.40E+00	3.35E+00	8.42E-01	1.37E+01	2.44E+00	-2.92E-01	1.00E+00	3.66E-01	-1.59E+00	-1.49E+00	-1.74E-03	-1.23E-01	-8.56E-03	-1.04E-02	-6.63E-03	-1.01E-02	-6.08E+00

Table 3-4A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 4, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
309	369052	755442	Offsite Worker	3.02E+00	2.59E+00	6.83E-01	9.81E+00	1.90E+00	-3.05E-01	7.80E-01	2.85E-01	-1.26E+00	-1.11E+00	-1.27E-03	-8.61E-02	-6.16E-03	-7.64E-03	-4.83E-03	-7.38E-03	-4.43E+00
320	368035	755402	Offsite Worker	5.35E+00	3.60E+00	1.84E+00	1.61E+01	2.65E+00	-1.89E-01	1.08E+00	4.30E-01	-1.86E-01	-2.54E-01	-1.30E-03	-9.25E-02	-6.35E-03	-7.80E-03	-4.96E-03	-7.54E-03	-4.55E+00
321	367960	755389	Offsite Worker	5.08E+00	3.44E+00	1.79E+00	1.53E+01	2.53E+00	-1.87E-01	1.03E+00	4.12E-01	-1.54E-01	-2.10E-01	-1.30E-03	-9.30E-02	-6.35E-03	-7.79E-03	-4.96E-03	-7.53E-03	-4.55E+00
322	367863	755390	Offsite Worker	4.63E+00	3.23E+00	1.75E+00	1.41E+01	2.38E+00	-2.04E-01	9.66E-01	3.90E-01	-5.72E-02	-9.10E-02	-1.19E-03	-8.90E-02	-5.86E-03	-7.16E-03	-4.58E-03	-6.92E-03	-4.20E+00
323	367766	755392	Offsite Worker	4.18E+00	2.97E+00	1.74E+00	1.28E+01	2.19E+00	-2.02E-01	8.88E-01	3.64E-01	1.43E-01	1.17E-01	-9.79E-04	-7.37E-02	-4.78E-03	-5.88E-03	-3.77E-03	-5.68E-03	-3.45E+00
324	367669	755393	Offsite Worker	3.52E+00	2.63E+00	1.19E+00	1.10E+01	1.93E+00	-2.15E-01	7.87E-01	3.08E-01	-4.51E-01	-4.16E-01	-7.06E-04	-5.37E-02	-3.40E-03	-4.24E-03	-2.72E-03	-4.10E-03	-2.49E+00
325	367572	755394	Offsite Worker	2.96E+00	2.32E+00	6.31E-01	9.33E+00	1.69E+00	-2.18E-01	6.95E-01	2.55E-01	-1.06E+00	-9.72E-01	-5.86E-04	-4.37E-02	-2.78E-03	-3.52E-03	-2.25E-03	-3.40E-03	-2.06E+00
326	367475	755395	Offsite Worker	2.43E+00	1.98E+00	1.80E-01	7.72E+00	1.44E+00	-2.08E-01	5.94E-01	2.04E-01	-1.47E+00	-1.36E+00	-6.81E-04	-4.84E-02	-3.28E-03	-4.09E-03	-2.60E-03	-3.95E-03	-2.38E+00
327	370400	756850	On-Site Occupational	-1.57E+00	2.42E+00	-5.90E+00	-4.50E-01	1.63E+00	-1.17E+00	7.50E-01	1.25E-02	-1.15E+01	-1.03E+01	-3.53E-03	-2.37E-01	-1.74E-02	-2.12E-02	-1.34E-02	-2.04E-02	-1.23E+01
1	367379	755396	Recreational	1.91E+00	1.72E+00	-1.06E-01	6.28E+00	1.25E+00	-2.22E-01	5.19E-01	1.67E-01	-1.71E+00	-1.56E+00	-6.93E-04	-4.98E-02	-3.35E-03	-4.16E-03	-2.65E-03	-4.02E-03	-2.43E+00
2	367340	755485	Recreational	1.25E+00	1.37E+00	-9.28E-02	4.44E+00	9.95E-01	-2.32E-01	4.15E-01	1.33E-01	-1.42E+00	-1.25E+00	-6.58E-04	-4.93E-02	-3.19E-03	-3.95E-03	-2.53E-03	-3.82E-03	-2.32E+00
3	367301	755573	Recreational	1.32E+00	1.34E+00	-6.47E-01	4.50E+00	9.54E-01	-2.05E-01	4.04E-01	1.08E-01	-2.24E+00	-2.04E+00	-7.60E-04	-5.99E-02	-3.70E-03	-4.56E-03	-2.94E-03	-4.41E-03	-2.70E+00
4	367263	755661	Recreational	1.74E+00	1.53E+00	-9.26E-01	5.60E+00	1.08E+00	-1.90E-01	4.61E-01	1.16E-01	-2.81E+00	-2.62E+00	-8.71E-04	-7.00E-02	-4.23E-03	-5.23E-03	-3.38E-03	-5.05E-03	-3.10E+00
5	367224	755749	Recreational	1.53E+00	1.47E+00	-1.92E-01	5.17E+00	1.07E+00	-2.11E-01	4.45E-01	1.39E-01	-1.67E+00	-1.50E+00	-7.68E-04	-6.19E-02	-3.70E-03	-4.61E-03	-2.98E-03	-4.45E-03	-2.74E+00
6	367186	755838	Recreational	1.82E+00	1.63E+00	8.34E-01	6.07E+00	1.21E+00	-2.08E-01	4.91E-01	1.95E-01	-2.32E-01	-1.33E-01	-6.84E-04	-5.40E-02	-3.24E-03	-4.10E-03	-2.65E-03	-3.97E-03	-2.43E+00
7	367147	755926	Recreational	2.80E+00	2.13E+00	1.55E+00	8.86E+00	1.58E+00	-1.84E-01	6.38E-01	2.72E-01	5.28E-01	5.26E-01	-4.84E-04	-3.19E-02	-2.12E-03	-2.90E-03	-1.83E-03	-2.81E-03	-1.68E+00
8	367109	756014	Recreational	3.72E+00	2.57E+00	1.93E+00	1.14E+01	1.91E+00	-1.57E-01	7.69E-01	3.32E-01	7.86E-01	7.15E-01	-5.61E-04	-3.77E-02	-2.50E-03	-3.37E-03	-2.13E-03	-3.26E-03	-1.95E+00
9	367070	756103	Recreational	4.20E+00	2.74E+00	2.85E+00	1.27E+01	2.05E+00	-1.17E-01	8.18E-01	3.84E-01	2.08E+00	1.92E+00	-6.31E-04	-4.08E-02	-2.79E-03	-3.78E-03	-2.38E-03	-3.66E-03	-2.18E+00
10	367032	756191	Recreational	3.62E+00	2.47E+00	2.74E+00	1.11E+01	1.86E+00	-1.40E-01	7.39E-01	3.53E-01	2.07E+00	1.95E+00	-3.79E-04	-1.97E-02	-1.45E-03	-2.28E-03	-1.40E-03	-2.20E-03	-1.28E+00
11	366993	756279	Recreational	3.12E+00	2.27E+00	1.65E+00	9.69E+00	1.69E+00	-1.70E-01	6.80E-01	2.90E-01	5.14E-01	5.11E-01	-7.11E-04	-4.51E-02	-3.18E-03	-4.27E-03	-2.67E-03	-4.12E-03	-2.45E+00
12	366954	756367	Recreational	3.99E+00	2.76E+00	1.48E+00	1.21E+01	2.03E+00	-1.67E-01	8.26E-01	3.32E-01	-1.22E-01	-1.31E-01	-8.14E-04	-5.49E-02	-3.76E-03	-4.88E-03	-3.08E-03	-4.72E-03	-2.83E+00
13	366916	756456	Recreational	4.70E+00	3.09E+00	2.24E+00	1.41E+01	2.29E+00	-1.41E-01	9.24E-01	3.95E-01	8.06E-01	7.06E-01	-5.47E-04	-3.65E-02	-2.44E-03	-3.28E-03	-2.07E-03	-3.18E-03	-1.90E+00
14	366877	756544	Recreational	4.41E+00	2.92E+00	2.32E+00	1.33E+01	2.17E+00	-1.39E-01	8.72E-01	3.81E-01	1.07E+00	9.67E-01	-2.99E-04	-1.75E-02	-1.16E-03	-1.80E-03	-1.12E-03	-1.74E-03	-1.02E+00
15	366839	756632	Recreational	3.83E+00	2.61E+00	1.70E+00	1.16E+01	1.93E+00	-1.48E-01	7.81E-01	3.26E-01	3.69E-01	3.22E-01	-4.97E-04	-3.09E-02	-2.16E-03	-2.98E-03	-1.86E-03	-2.88E-03	-1.71E+00
16	366800	756720	Recreational	3.22E+00	2.28E+00	1.43E+00	9.88E+00	1.69E+00	-1.54E-01	6.84E-01	2.83E-01	1.95E-01	1.90E-01	-3.80E-04	-2.27E-02	-1.60E-03	-2.28E-03	-1.42E-03	-2.21E-03	-1.30E+00
17	366762	756809	Recreational	2.91E+00	2.08E+00	1.25E+00	8.94E+00	1.54E+00	-1.48E-01	6.25E-01	2.56E-01	6.16E-02	7.47E-02	-2.59E-04	-1.61E-02	-1.03E-03	-1.56E-03	-9.73E-04	-1.51E-03	-8.93E-01
18	366723	756897	Recreational	2.78E+00	2.04E+00	1.25E+00	8.62E+00	1.51E+00	-1.60E-01	6.13E-01	2.52E-01	1.20E-01	1.30E-01	-4.35E-04	-2.61E-02	-1.89E-03	-2.61E-03	-1.63E-03	-2.52E-03	-1.49E+00
19	366685	756985	Recreational	3.07E+00	2.21E+00	1.22E+00	9.44E+00	1.63E+00	-1.59E-01	6.62E-01	2.67E-01	-6.03E-02	-4.86E-02	-4.60E-04	-2.41E-02	-1.99E-03	-2.76E-03	-1.70E-03	-2.67E-03	-1.56E+00
20	366646	757074	Recreational	3.00E+00	2.15E+00	1.30E+00	9.22E+00	1.59E+00	-1.52E-01	6.45E-01	2.64E-01	7.41E-02	8.68E-02	-4.76E-04	-2.62E-02	-2.08E-03	-2.86E-03	-1.76E-03	-2.76E-03	-1.62E+00
21	366607	757162	Recreational	3.05E+00	2.13E+00	1.28E+00	9.29E+00	1.57E+00	-1.35E-01	6.38E-01	2.62E-01	9.62E-02	9.19E-02	-4.54E-04	-3.01E-02	-2.03E-03	-2.72E-03	-1.72E-03	-2.63E-03	-1.57E+00
22	366569	757250	Recreational	3.18E+00	2.12E+00	1.19E+00	9.55E+00	1.56E+00	-1.04E-01	6.33E-01	2.57E-01	4.33E-03	-2.87E-02	-5.49E-04	-3.48E-02	-2.52E-03	-3.30E-03	-2.07E-03	-3.19E-03	-1.90E+00
23	366530	757338	Recreational	3.18E+00	2.14E+00	1.01E+00	9.55E+00	1.57E+00	-1.11E-01	6.39E-01	2.52E-01	-2.95E-01	-3.08E-01	-5.13E-04	-3.29E-02	-2.36E-03	-3.08E-03	-1.93E-03	-2.97E-03	-1.77E+00
24	366492	757427	Recreational	3.02E+00	2.07E+00	1.22E+00	9.14E+00	1.53E+00	-1.19E-01	6.19E-01	2.53E-01	7.36E-02	5.83E-02	-4.62E-04	-2.82E-02	-2.10E-03	-2.77E-03	-1.73E-03	-2.68E-03	-1.59E+00
25	366453	757515	Recreational	2.78E+00	1.94E+00	1.34E+00	8.49E+00	1.44E+00	-1.21E-01	5.80E-01	2.45E-01	3.66E-01	3.46E-01	-4.24E-04	-2.73E-02	-1.94E-03	-2.54E-03	-1.60E-03	-2.46E-03	-1.46E+00
26	366415	757603	Recreational	2.62E+00	1.84E+00	1.35E+00	8.02E+00	1.37E+00	-1.18E-01	5.50E-01	2.35E-01	4.55E-01	4.37E-01	-4.14E-04	-2.72E-02	-1.90E-03	-2.49E-03	-1.57E-03	-2.40E-03	-1.44E+00
27	366376	757692	Recreational	2.47E+00	1.77E+00	1.29E+00	7.60E+00	1.32E+00	-1.26E-01	5.31E-01	2.26E-01	4.10E-01	4.02E-01	-4.48E-04	-2.94E-02	-2.06E-03	-2.69E-03	-1.69E-03	-2.60E-03	-1.55E+00
84	369336	758100	Recreational	5.40E+00	3.61E+00	1.90E+00	1.62E+01	2.66E+00	-1.82E-01	1.08E+00	4.33E-01	-9.72E-02	-1.75E-01	-1.52E-03	-1.03E-01	-7.22E-03	-9.11E-03	-5.76E-03	-8.81E-03	-5.28E+00
85	369269	758170	Recreational	6.67E+00	4.33E+00	2.36E+00	1.99E+01	3.18E+00	-1.78E-01	1.29E+00	5.22E-01	4.14E-02	-9.26E-02	-1.62E-03	-1.08E-01	-7.69E-03	-9.70E-03	-6.12E-03	-9.37E-03	-5.61E+00
86	369202	758239	Recreational	6.99E+00	4.54E+00	2.38E+00	2.08E+01	3.33E+00	-1.86E-01	1.35E+00	5.44E-01	-1.05E-01	-2.37E-01	-1.69E-03	-1.14E-01	-8.13E-03	-1.02E-02	-6.42E-03	-9.83E-03	-5.89E+00
87	369264	758285	Recreational	5.89E+00	3.88E+00	2.08E+00	1.76E+01	2.85E+00	-1.78E-01	1.16E+00	4.67E-01	-2.34E-02	-1.31E-01	-1.12E-03	-7.42E-02	-5.21E-03	-6.71E-03	-4.23E-03	-6.48E-03	-3.88E+00
88	369326	758330	Recreational	4.50E+00	3.03E+00	1.81E+00	1.36E+01	2.23E+00	-1.58E-01	9.03E-01	3.72E-01	2.63E-01	1.79E-01	-1.26E-03	-8.46E-02	-5.98E-03	-7.54E-03	-4.76E-03	-7.29E-03	-4.37E+00
89	369389	758376	Recreational	2.81E+00	2.06E+00	1.05E+00	8.69E+00	1.51E+00	-1.58E-01	6.15E-01	2.46E-01	-1.31E-01	-1.29E-01	-1.14E-03	-7.92E-02	-5.48E-03	-6.84E-03	-4.34E-03	-6.61E-03	-3.98E+00
90	369389	758462	Recreational	2.33E+00	1.80E+00	7.36E-01	7.31E+00	1.32E+00	-1.63E-01	5.38E-01	2.08E-01	-4.25E-01	-3.85E-01	-1.02E-03	-7.18E-02	-4.88E-03	-6.11E-03	-3.88E-03	-5.90E-03	-3.56E+00
91	369389	758548	Recreational	1.90E+00	1.57E+00	4.46E-01	6.09E+00	1.15E+00	-1.69E-01	4.71E-01	1.74E-01	-6.98E-01	-6.24E-01	-1.04E-03	-7.28E-02	-4.97E-03	-6.21E-03	-3.95E-03	-6.01E-03	-3.62E+00
28	366338	757780	Residential	2.39E+00	1.72E+00	1.17E+00	7.36E+00	1.28E+00	-1.26E-01	5.17E-01	2.17E-01	2.57E-01	2.63E-01	-3.50E-04	-2.34E-02	-1.59E-03	-2.10E-03	-1.33E-03	-2.03E-03	-1.22E+00
29	366402	757746	Residential	2.41E+00	1.74E+00	1.20E+00	7.44E+00	1.29E+00	-1.29E-01	5.23E-01	2.20E-01	2.89E-01	2.95E-01	-3.75E-04	-2.49E-02	-1.70E-03	-2.25E-03	-1.42E-03	-2.17E-03	-1.30E+00
30	366467	757713	Residential	2.43E+00	1.76E+00	1.23E+00	7.51E+00	1.31E+00	-1.31E-01	5.29E-01	2.23E-01	3.19E-01	3.24E-01	-4.12E-04	-2.76E-02	-1.89E-03	-2.47E-03	-1.56E-03	-2.39E-03	-1.43E+00
31	366531	757679	Residential	2.45E+00	1.78E+00	1.26E+00	7.58E+00	1.32E+00	-1.34E-01	5.35E-01	2.27E-01	3.53E-01	3.55E-01	-4.46E-04	-3.00E-02	-2.06E-03	-2.68E-03	-1.69E-03	-2.59E-03	-1.55E+00
32	366567	757773	Residential	2.45E+00	1.78E+00	1.12E+00	7.56E+00	1.32E+00	-1.32E-01	5.34E-01	2.21E-01	1.27E-01	1.43E-01	-3.63E-04	-2.38E-02	-1.64E-03	-2.18E-03	-1.37E-03	-2.11E-03	-1.26E+00
33	366625	757758	Residential	2.47E+00	1.80E+00	1.13E+00	7.63E+00	1.33E+00	-1.35E-01	5.40E-01	2.23E-01	1.21E-01	1.39E-01	-3.69E-04	-2.41E-02	-1.67E-03	-2.22E-03	-1.39E-03	-2.14E-03	-1.28E+00
34	366682	757744	Residential	2.49E+00	1.82E+00	1.14E+00	7.70E+00	1.35E+00	-1.37E-01	5.46E-01	2.25E-01	1.13E-01	1.32E-01	-3.76E-04	-2.45E-02	-1.70E-03	-2.26E-03	-1.42E-03	-2.18E-03	-1.30E+00
35	366768	757788	Residential	2.48E+00	1.85E+00	8.61E-01	7.70E+00	1.36E+00	-1.53E-01	5.56E-01	2.18E-01	-3.29E-01	-2.87E-01	-4.70E-04	-3.25E-02	-2.20E-03	-2.82E-03	-1.79E-03	-2.72E-03	-1.64E+00
36	366854	757833	Residential	2.49E+00	1.89E+00	4.57E-01	7.73E+00	1.38E+00	-1.61E-01	5.66E-01	2.05E-01	-9.87E-01	-9.09E-01	-7.00E-04	-4.89E-02	-3.38E-03	-4.20E-03	-2.67E-03	-4.06E-03	-2.44E+00
37	366941	757877	Residential	2.30E+00	1.76E+00	2.99E-01	7.14E+00	1.28E+00	-1.57E-01	5.29E-01	1.86E-01	-1.14E+00	-1.05E+00	-8.39E-04	-6.08E-02	-4.14E-03	-5.04E-03	-3.21E-03	-4.87E-03	-2.95E+00
38	367027	757922	Residential	1.97E+00	1.56E+00	4.15E-01	6.20E+00	1.14E+00	-1.50E-01	4.68E-01	1.71E-01	-7.93E-01	-7.07E-01	-8.42E-04	-6.18E-02	-4.15E-03	-5.05E-03	-3.23E-03	-4.89E-03	-2.96E+00
39	367113	757966	Residential	2.13E+00	1.60E+00	9.61E-01	6.64E+00	1.18E+00	-1.32E-01	4.79E-01	1.96E-01	3.66E-02	6.43E-02	-9.83E-04	-7.00E-02	-4.84E-03	-5.90E-03	-3.75E-03	-5.70E-03	-3.44E+00

Table 3-4A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 4, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
40	367192	757916	Residential	2.17E+00	1.64E+00	8.79E-01	6.77E+00	1.21E+00	-1.42E-01	4.94E-01	1.97E-01	-1.46E-01	-1.01E-01	-9.99E-04	-7.12E-02	-4.92E-03	-5.99E-03	-3.81E-03	-5.79E-03	-3.50E+00
41	367264	757916	Residential	2.38E+00	1.75E+00	1.07E+00	7.37E+00	1.30E+00	-1.38E-01	5.26E-01	2.16E-01	6.99E-02	9.22E-02	-1.06E-03	-7.52E-02	-5.24E-03	-6.39E-03	-4.06E-03	-6.17E-03	-3.72E+00
42	367335	757916	Residential	2.55E+00	1.85E+00	1.26E+00	7.88E+00	1.37E+00	-1.39E-01	5.56E-01	2.33E-01	2.90E-01	2.93E-01	-1.10E-03	-7.81E-02	-5.42E-03	-6.60E-03	-4.20E-03	-6.38E-03	-3.85E+00
43	367343	757966	Residential	2.70E+00	1.93E+00	1.67E+00	8.34E+00	1.44E+00	-1.35E-01	5.78E-01	2.57E-01	8.92E-01	8.53E-01	-9.96E-04	-7.33E-02	-4.90E-03	-5.97E-03	-3.82E-03	-5.77E-03	-3.50E+00
44	367404	757995	Residential	2.64E+00	1.91E+00	1.86E+00	8.22E+00	1.43E+00	-1.40E-01	5.72E-01	2.63E-01	1.20E+00	1.15E+00	-9.62E-04	-6.94E-02	-4.68E-03	-5.77E-03	-3.68E-03	-5.58E-03	-3.37E+00
45	367465	758024	Residential	2.61E+00	1.95E+00	1.47E+00	8.15E+00	1.45E+00	-1.61E-01	5.85E-01	2.51E-01	5.26E-01	5.27E-01	-1.06E-03	-7.52E-02	-5.15E-03	-6.36E-03	-4.05E-03	-6.15E-03	-3.71E+00
55	367673	758189	Residential	3.44E+00	2.48E+00	1.28E+00	1.06E+01	1.83E+00	-1.81E-01	7.44E-01	2.97E-01	-2.07E-01	-1.91E-01	-7.29E-04	-5.35E-02	-3.46E-03	-4.37E-03	-2.79E-03	-4.23E-03	-2.56E+00
59	367816	758096	Residential	3.52E+00	2.55E+00	1.34E+00	1.08E+01	1.88E+00	-1.89E-01	7.64E-01	3.06E-01	-1.83E-01	-1.62E-01	-7.52E-04	-5.51E-02	-3.55E-03	-4.51E-03	-2.88E-03	-4.36E-03	-2.64E+00
60	367898	758066	Residential	3.61E+00	2.64E+00	1.36E+00	1.11E+01	1.95E+00	-2.02E-01	7.91E-01	3.16E-01	-2.19E-01	-1.95E-01	-6.95E-04	-5.08E-02	-3.24E-03	-4.17E-03	-2.66E-03	-4.03E-03	-2.44E+00
61	367980	758035	Residential	3.71E+00	2.73E+00	1.31E+00	1.15E+01	2.01E+00	-2.15E-01	8.19E-01	3.23E-01	-3.68E-01	-3.34E-01	-6.75E-04	-4.90E-02	-3.11E-03	-4.05E-03	-2.58E-03	-3.91E-03	-2.37E+00
62	368062	758005	Residential	3.84E+00	2.85E+00	1.20E+00	1.19E+01	2.09E+00	-2.29E-01	8.54E-01	3.31E-01	-6.31E-01	-5.84E-01	-7.60E-04	-5.39E-02	-3.52E-03	-4.56E-03	-2.90E-03	-4.41E-03	-2.66E+00
63	368144	757975	Residential	4.09E+00	3.03E+00	1.01E+00	1.26E+01	2.22E+00	-2.41E-01	9.07E-01	3.41E-01	-1.07E+00	-1.01E+00	-8.43E-04	-5.92E-02	-3.92E-03	-5.06E-03	-3.21E-03	-4.89E-03	-2.95E+00
64	368226	757945	Residential	4.41E+00	3.25E+00	8.56E-01	1.36E+01	2.37E+00	-2.56E-01	9.72E-01	3.56E-01	-1.48E+00	-1.41E+00	-9.17E-04	-6.47E-02	-4.30E-03	-5.50E-03	-3.50E-03	-5.32E-03	-3.21E+00
65	368301	757943	Residential	5.23E+00	3.76E+00	1.19E+00	1.60E+01	2.75E+00	-2.70E-01	1.13E+00	4.21E-01	-1.38E+00	-1.34E+00	-7.89E-04	-5.69E-02	-3.66E-03	-4.73E-03	-3.02E-03	-4.58E-03	-2.77E+00
66	368376	757941	Residential	6.66E+00	4.59E+00	1.95E+00	2.02E+01	3.37E+00	-2.74E-01	1.37E+00	5.33E-01	-8.75E-01	-9.06E-01	-7.27E-04	-5.44E-02	-3.37E-03	-4.36E-03	-2.79E-03	-4.21E-03	-2.56E+00
67	368452	757940	Residential	8.33E+00	5.47E+00	3.13E+00	2.49E+01	4.03E+00	-2.48E-01	1.63E+00	6.67E-01	2.64E-01	1.01E-01	-7.58E-04	-5.83E-02	-3.54E-03	-4.55E-03	-2.93E-03	-4.40E-03	-2.68E+00
68	368527	757938	Residential	9.29E+00	6.08E+00	3.37E+00	2.77E+01	4.47E+00	-2.66E-01	1.81E+00	7.36E-01	1.34E-01	-4.50E-02	-9.19E-04	-6.90E-02	-4.34E-03	-5.52E-03	-3.53E-03	-5.33E-03	-3.24E+00
69	368563	757880	Residential	9.79E+00	6.38E+00	3.69E+00	2.92E+01	4.70E+00	-2.70E-01	1.90E+00	7.78E-01	3.78E-01	1.69E-01	-8.49E-04	-6.40E-02	-3.96E-03	-5.10E-03	-3.27E-03	-4.93E-03	-3.00E+00
70	368636	757926	Residential	9.45E+00	6.18E+00	3.16E+00	2.82E+01	4.54E+00	-2.69E-01	1.84E+00	7.38E-01	-2.90E-01	-4.52E-01	-1.25E-03	-9.03E-02	-5.96E-03	-7.47E-03	-4.77E-03	-7.22E-03	-4.37E+00
71	368709	757971	Residential	7.22E+00	4.90E+00	4.18E-01	2.16E+01	3.55E+00	-2.69E-01	1.46E+00	5.03E-01	-3.50E+00	-3.42E+00	-2.85E-03	-1.99E-01	-1.40E-02	-1.71E-02	-1.08E-02	-1.65E-02	-9.94E+00
72	368782	758017	Residential	5.29E+00	3.81E+00	-7.66E-01	1.60E+01	2.73E+00	-2.78E-01	1.14E+00	3.48E-01	-4.45E+00	-4.26E+00	-3.10E-03	-2.17E-01	-1.53E-02	-1.86E-02	-1.18E-02	-1.80E-02	-1.08E+01
73	368855	758062	Residential	6.78E+00	4.56E+00	2.25E+00	2.04E+01	3.35E+00	-2.38E-01	1.36E+00	5.41E-01	-3.52E-01	-4.37E-01	-1.73E-03	-1.21E-01	-8.42E-03	-1.04E-02	-6.59E-03	-1.00E-02	-6.05E+00
74	368928	758108	Residential	1.01E+01	6.33E+00	3.61E+00	2.97E+01	4.66E+00	-2.01E-01	1.88E+00	7.70E-01	3.60E-01	9.15E-02	-1.44E-03	-1.11E-01	-7.10E-03	-8.62E-03	-5.54E-03	-8.33E-03	-5.08E+00
75	369001	758153	Residential	1.05E+01	6.57E+00	3.97E+00	3.10E+01	4.84E+00	-1.90E-01	1.95E+00	8.08E-01	7.35E-01	4.26E-01	-1.41E-03	-1.05E-01	-6.87E-03	-8.48E-03	-5.43E-03	-8.20E-03	-4.98E+00
76	369058	758074	Residential	1.08E+01	6.77E+00	4.07E+00	3.19E+01	4.99E+00	-2.06E-01	2.01E+00	8.32E-01	7.15E-01	4.08E-01	-1.51E-03	-1.12E-01	-7.33E-03	-9.05E-03	-5.79E-03	-8.75E-03	-5.31E+00
77	369102	758103	Residential	9.67E+00	6.14E+00	3.38E+00	2.86E+01	4.51E+00	-2.10E-01	1.83E+00	7.42E-01	1.47E-01	-8.77E-02	-1.48E-03	-1.04E-01	-7.08E-03	-8.87E-03	-5.63E-03	-8.57E-03	-5.17E+00
78	369145	758132	Residential	8.53E+00	5.47E+00	2.78E+00	2.53E+01	4.02E+00	-2.06E-01	1.63E+00	6.53E-01	-2.53E-01	-4.26E-01	-1.93E-03	-1.34E-01	-9.35E-03	-1.16E-02	-7.34E-03	-1.12E-02	-6.73E+00
79	369200	758065	Residential	8.26E+00	5.37E+00	2.54E+00	2.46E+01	3.94E+00	-2.25E-01	1.60E+00	6.33E-01	-5.47E-01	-6.84E-01	-2.14E-03	-1.47E-01	-1.04E-02	-1.28E-02	-8.13E-03	-1.24E-02	-7.46E+00
80	369255	757998	Residential	7.66E+00	5.09E+00	2.26E+00	2.29E+01	3.73E+00	-2.45E-01	1.52E+00	5.94E-01	-7.65E-01	-8.56E-01	-2.33E-03	-1.59E-01	-1.13E-02	-1.40E-02	-8.84E-03	-1.35E-02	-8.11E+00
81	369310	757931	Residential	7.03E+00	4.72E+00	1.80E+00	2.11E+01	3.45E+00	-2.44E-01	1.41E+00	5.39E-01	-1.18E+00	-1.23E+00	-2.53E-03	-1.73E-01	-1.23E-02	-1.52E-02	-9.59E-03	-1.47E-02	-8.80E+00
82	369356	757981	Residential	5.84E+00	3.85E+00	1.96E+00	1.75E+01	2.83E+00	-1.77E-01	1.15E+00	4.60E-01	-2.00E-01	-2.92E-01	-2.12E-03	-1.42E-01	-1.02E-02	-1.27E-02	-8.04E-03	-1.23E-02	-7.37E+00
83	369403	758031	Residential	4.45E+00	3.02E+00	1.92E+00	1.35E+01	2.23E+00	-1.66E-01	9.02E-01	3.76E-01	4.21E-01	3.45E-01	-1.85E-03	-1.26E-01	-8.95E-03	-1.11E-02	-7.02E-03	-1.07E-02	-6.44E+00
92	369389	758634	Residential	1.62E+00	1.41E+00	1.02E-01	5.26E+00	1.03E+00	-1.71E-01	4.24E-01	1.44E-01	-1.10E+00	-1.00E+00	-1.19E-03	-8.26E-02	-5.74E-03	-7.13E-03	-4.52E-03	-6.89E-03	-4.15E+00
93	369469	758630	Residential	-5.48E-01	2.76E-01	-1.15E+00	-8.85E-01	1.77E-01	-2.08E-01	8.92E-02	-1.77E-02	-2.17E+00	-1.91E+00	-2.79E-03	-1.97E-01	-1.39E-02	-1.67E-02	-1.06E-02	-1.62E-02	-9.75E+00
94	369549	758625	Residential	-2.64E-01	4.36E-01	-1.24E+00	-9.32E-02	2.90E-01	-2.08E-01	1.37E-01	-5.37E-03	-2.45E+00	-2.18E+00	-3.13E-03	-2.23E-01	-1.58E-02	-1.88E-02	-1.20E-02	-1.82E-02	-1.10E+01
95	369630	758621	Residential	1.77E+00	1.57E+00	-1.47E-01	5.75E+00	1.13E+00	-1.95E-01	4.72E-01	1.50E-01	-1.65E+00	-1.51E+00	-1.85E-03	-1.30E-01	-9.17E-03	-1.11E-02	-7.03E-03	-1.07E-02	-6.45E+00
96	369710	758617	Residential	3.15E+00	2.24E+00	1.27E+00	9.66E+00	1.65E+00	-1.54E-01	6.70E-01	2.72E-01	2.87E-02	1.59E-02	-1.54E-03	-1.08E-01	-7.57E-03	-9.21E-03	-5.85E-03	-8.91E-03	-5.37E+00
97	369791	758613	Residential	3.00E+00	2.08E+00	1.68E+00	9.17E+00	1.55E+00	-1.28E-01	6.21E-01	2.73E-01	8.28E-01	7.60E-01	-2.12E-03	-1.50E-01	-1.06E-02	-1.27E-02	-8.09E-03	-1.23E-02	-7.42E+00
98	369791	758514	Residential	3.12E+00	2.15E+00	1.88E+00	9.54E+00	1.60E+00	-1.28E-01	6.42E-01	2.87E-01	1.06E+00	9.85E-01	-1.96E-03	-1.38E-01	-9.75E-03	-1.18E-02	-7.47E-03	-1.14E-02	-6.85E+00
99	369791	758416	Residential	3.30E+00	2.25E+00	2.14E+00	1.01E+01	1.68E+00	-1.26E-01	6.71E-01	3.07E-01	1.38E+00	1.28E+00	-1.77E-03	-1.24E-01	-8.77E-03	-1.06E-02	-6.73E-03	-1.02E-02	-6.17E+00
100	369791	758318	Residential	3.76E+00	2.49E+00	2.12E+00	1.14E+01	1.86E+00	-1.18E-01	7.44E-01	3.31E-01	1.18E+00	1.06E+00	-1.71E-03	-1.21E-01	-8.51E-03	-1.03E-02	-6.53E-03	-9.92E-03	-5.99E+00
101	369881	758318	Residential	2.86E+00	2.10E+00	1.20E+00	8.88E+00	1.55E+00	-1.62E-01	6.29E-01	2.56E-01	2.99E-02	3.31E-02	-2.43E-03	-1.68E-01	-1.21E-02	-1.46E-02	-9.25E-03	-1.41E-02	-8.49E+00
102	369972	758318	Residential	2.94E+00	2.25E+00	3.89E-01	9.16E+00	1.64E+00	-2.00E-01	6.74E-01	2.39E-01	-1.34E+00	-1.26E+00	-2.22E-03	-1.57E-01	-1.11E-02	-1.33E-02	-8.48E-03	-1.29E-02	-7.78E+00
103	370062	758318	Residential	3.34E+00	2.50E+00	4.50E-02	1.03E+01	1.81E+00	-2.08E-01	7.49E-01	2.51E-01	-2.06E+00	-1.96E+00	-1.52E-03	-1.09E-01	-7.53E-03	-9.13E-03	-5.81E-03	-8.83E-03	-5.33E+00
104	370153	758318	Residential	2.86E+00	2.23E+00	2.74E-02	8.92E+00	1.61E+00	-2.09E-01	6.67E-01	2.22E-01	-1.88E+00	-1.77E+00	-1.62E-03	-1.16E-01	-8.06E-03	-9.73E-03	-6.19E-03	-9.40E-03	-5.68E+00
105	370243	758318	Residential	2.41E+00	2.04E+00	-6.32E-01	7.68E+00	1.46E+00	-2.32E-01	6.11E-01	1.78E-01	-2.73E+00	-2.56E+00	-2.28E-03	-1.65E-01	-1.15E-02	-1.37E-02	-8.73E-03	-1.32E-02	-8.01E+00
111	370408	758347	Residential	1.45E+00	1.58E+00	-1.58E+00	4.98E+00	1.10E+00	-2.65E-01	4.77E-01	9.48E-02	-3.88E+00	-3.59E+00	-3.62E-03	-2.63E-01	-1.84E-02	-2.17E-02	-1.39E-02	-2.10E-02	-1.27E+01
112	370490	758344	Residential	-2.57E-01	7.18E-01	-1.99E+00	2.32E-01	4.77E-01	-3.06E-01	2.24E-01	-6.48E-03	-3.88E+00	-3.49E+00	-2.68E-03	-1.94E-01	-1.35E-02	-1.61E-02	-1.03E-02	-1.55E-02	-9.41E+00
113	370572	758341	Residential	-3.68E-01	7.16E-01	-2.71E+00	-6.83E-02	4.56E-01	-3.28E-01	2.23E-01	-3.51E-02	-4.99E+00	-4.53E+00	-2.17E-03	-1.54E-01	-1.09E-02	-1.30E-02	-8.28E-03	-1.26E-02	-7.59E+00
114	370654	758338	Residential	5.11E-01	1.33E+00	-2.62E+00	2.60E+00	9.01E-01	-3.67E-01	4.06E-01	2.95E-02	-5.34E+00	-4.88E+00	-2.31E-03	-1.69E-01	-1.16E-02	-1.39E-02	-8.85E-03	-1.34E-02	-8.12E+00
115	370735	758335	Residential	2.02E+00	1.98E+00	-1.30E+00	6.72E+00	1.40E+00	-2.92E-01	5.97E-01	1.46E-01	-3.81E+00	-3.52E+00	-1.97E-03	-1.41E-01	-9.80E-03	-1.18E-02	-7.54E-03	-1.14E-02	-6.91E+00
116	370817	758333	Residential	2.92E+00	2.38E+00	4.10E-03	9.25E+00	1.72E+00	-2.49E-01	7.13E-01	2.36E-01	-2.07E+00	-1.92E+00	-1.24E-03	-9.05E-02	-6.11E-03	-7.42E-03	-4.74E-03	-7.17E-03	-4.35E+00
130	371183	758027	Residential	3.25E+00	2.59E+00	2.78E-01	1.03E+01	1.88E+00	-2.57E-01	7.78E-01	2.68E-01	-1.86E+00	-1.72E+00	-1.60E-03	-1.14E-01	-7.78E-03	-9.58E-03	-6.10E-03	-9.26E-03	-5.59E+00
131	371248	758024	Residential	2.97E+00	2.44E+00	-3.68E-01	9.54E+00	1.76E+00	-2.62E-01	7.33E-01	2.28E-01	-2.70E+00	-2.52E+00	-1.63E-03	-1.13E-01	-7.93E-03	-9.77E-03	-6.19E-03	-9.44E-03	-5.68E+00
132	371326	758075	Residential	2.97E+00	2.41E+00	-4.74E-01	9.49E+00	1.73E+00	-2.51E-01	7.24E-01	2.21E-01	-2.84E+00	-2.66E+00	-1.59E-03	-1.08E-01	-7.70E-03	-9.52E-03	-6.02E-03	-9.20E-03	-5.52E+00
133	371404	758127	Residential	2.82E+00	2.31E+00	-4.12E-01	9.02E+00	1.66E+00	-2.44E-01	6.93E-01	2.13E-01	-2.69E+00	-2.50E+00	-1.39E-03	-9.27E-02	-6.71E-03	-8.34E-03	-5.26E-03	-8.07E-03	-4.83E+00

Table 3-4A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 4, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
134	371481	758178	Residential	2.88E+00	2.30E+00	-4.73E-01	9.10E+00	1.65E+00	-2.31E-01	6.91E-01	2.10E-01	-2.78E+00	-2.59E+00	-1.22E-03	-7.88E-02	-5.86E-03	-7.34E-03	-4.61E-03	-7.10E-03	-4.23E+00
135	371559	758230	Residential	2.79E+00	2.22E+00	-3.56E-01	8.81E+00	1.60E+00	-2.21E-01	6.67E-01	2.07E-01	-2.53E+00	-2.36E+00	-1.16E-03	-6.94E-02	-5.50E-03	-6.96E-03	-4.33E-03	-6.73E-03	-3.98E+00
136	371637	758281	Residential	2.65E+00	2.13E+00	-1.50E-01	8.39E+00	1.53E+00	-2.15E-01	6.38E-01	2.05E-01	-2.13E+00	-1.98E+00	-1.11E-03	-6.28E-02	-5.20E-03	-6.64E-03	-4.11E-03	-6.41E-03	-3.77E+00
137	371715	758333	Residential	2.53E+00	2.05E+00	4.91E-02	8.04E+00	1.49E+00	-2.14E-01	6.16E-01	2.06E-01	-1.77E+00	-1.63E+00	-9.97E-04	-5.88E-02	-4.67E-03	-5.98E-03	-3.72E-03	-5.78E-03	-3.41E+00
138	371769	758261	Residential	2.66E+00	2.15E+00	7.39E-01	8.56E+00	1.58E+00	-2.20E-01	6.45E-01	2.42E-01	-7.77E-01	-6.85E-01	-6.43E-04	-3.94E-02	-2.86E-03	-3.86E-03	-2.41E-03	-3.73E-03	-2.21E+00
139	371822	758189	Residential	2.36E+00	2.35E+00	1.17E-02	8.26E+00	1.71E+00	-3.54E-01	7.09E-01	2.35E-01	-2.05E+00	-1.84E+00	-4.69E-04	-4.11E-02	-2.08E-03	-2.82E-03	-1.85E-03	-2.72E-03	-1.69E+00
140	371894	758160	Residential	2.06E+00	2.61E+00	-5.06E-02	8.11E+00	1.90E+00	-5.05E-01	7.88E-01	2.60E-01	-2.32E+00	-2.03E+00	-8.17E-04	-9.28E-02	-4.10E-03	-4.90E-03	-3.37E-03	-4.74E-03	-3.08E+00
141	371894	758081	Residential	2.14E+00	2.86E+00	-1.50E-01	8.74E+00	2.07E+00	-5.76E-01	8.63E-01	2.81E-01	-2.69E+00	-2.35E+00	-9.36E-04	-1.01E-01	-4.64E-03	-5.62E-03	-3.82E-03	-5.43E-03	-3.50E+00
142	371959	758074	Residential	2.29E+00	2.80E+00	8.66E-02	8.86E+00	2.04E+00	-5.25E-01	8.44E-01	2.83E-01	-2.30E+00	-2.00E+00	-8.27E-04	-7.65E-02	-3.95E-03	-4.96E-03	-3.28E-03	-4.79E-03	-3.01E+00
155	372055	757363	Residential	1.74E+00	2.21E+00	-3.81E-01	6.68E+00	1.60E+00	-4.28E-01	6.69E-01	2.06E-01	-2.63E+00	-2.31E+00	-1.11E-03	-9.81E-02	-5.50E-03	-6.65E-03	-4.37E-03	-6.42E-03	-4.00E+00
297	370239	755427	Residential	9.39E+00	6.05E+00	1.08E+00	2.77E+01	4.39E+00	-2.37E-01	1.80E+00	6.43E-01	-3.33E+00	-3.38E+00	-3.80E-03	-2.69E-01	-1.87E-02	-2.28E-02	-1.45E-02	-2.20E-02	-1.33E+01
298	370138	755427	Residential	5.65E+00	3.77E+00	6.42E-01	1.69E+01	2.74E+00	-1.88E-01	1.12E+00	4.00E-01	-2.14E+00	-2.14E+00	-3.84E-03	-2.66E-01	-1.88E-02	-2.30E-02	-1.46E-02	-2.23E-02	-1.34E+01
299	370040	755427	Residential	2.70E+00	2.25E+00	-9.04E-01	8.52E+00	1.60E+00	-2.49E-01	6.75E-01	1.88E-01	-3.37E+00	-3.16E+00	-2.26E-03	-1.55E-01	-1.07E-02	-1.36E-02	-8.59E-03	-1.31E-02	-7.88E+00
300	369941	755426	Residential	4.94E+00	3.35E+00	2.63E+00	1.50E+01	2.49E+00	-1.84E-01	1.00E+00	4.36E-01	1.20E+00	1.09E+00	-2.14E-03	-1.43E-01	-1.01E-02	-1.29E-02	-8.12E-03	-1.24E-02	-7.45E+00
301	369842	755426	Residential	6.53E+00	4.22E+00	4.80E+00	1.97E+01	3.17E+00	-1.68E-01	1.26E+00	6.08E-01	3.88E+00	3.57E+00	-6.78E-04	-4.37E-02	-2.56E-03	-4.07E-03	-2.55E-03	-3.93E-03	-2.34E+00
304	369544	755434	Residential	3.99E+00	3.07E+00	-1.02E+00	1.23E+01	2.19E+00	-2.77E-01	9.19E-01	2.65E-01	-4.21E+00	-3.99E+00	-3.14E-03	-2.24E-01	-1.58E-02	-1.88E-02	-1.20E-02	-1.82E-02	-1.10E+01
305	369445	755434	Residential	3.72E+00	2.85E+00	-9.60E-01	1.14E+01	2.03E+00	-2.53E-01	8.53E-01	2.45E-01	-3.96E+00	-3.75E+00	-2.76E-03	-1.94E-01	-1.38E-02	-1.66E-02	-1.05E-02	-1.60E-02	-9.66E+00
306	369346	755434	Residential	4.29E+00	3.15E+00	2.06E-01	1.31E+01	2.28E+00	-2.45E-01	9.44E-01	3.21E-01	-2.42E+00	-2.30E+00	-3.14E-03	-2.24E-01	-1.57E-02	-1.88E-02	-1.20E-02	-1.82E-02	-1.10E+01
310	368953	755441	Residential	3.11E+00	2.69E+00	-1.77E-01	1.00E+01	1.95E+00	-3.23E-01	8.10E-01	2.61E-01	-2.68E+00	-2.46E+00	-1.22E-03	-7.90E-02	-5.83E-03	-7.29E-03	-4.59E-03	-7.05E-03	-4.21E+00
311	368854	755441	Residential	3.31E+00	2.71E+00	1.14E-01	1.05E+01	1.96E+00	-2.88E-01	8.13E-01	2.74E-01	-2.21E+00	-2.04E+00	-1.79E-03	-1.17E-01	-8.72E-03	-1.07E-02	-6.76E-03	-1.04E-02	-6.20E+00
312	368755	755441	Residential	3.64E+00	2.79E+00	7.76E-02	1.13E+01	2.02E+00	-2.49E-01	8.36E-01	2.80E-01	-2.30E+00	-2.16E+00	-1.81E-03	-1.26E-01	-8.90E-03	-1.09E-02	-6.89E-03	-1.05E-02	-6.32E+00
313	368657	755441	Residential	4.69E+00	3.32E+00	9.77E-01	1.43E+01	2.43E+00	-2.25E-01	9.93E-01	3.69E-01	-1.31E+00	-1.28E+00	-1.34E-03	-9.38E-02	-6.53E-03	-8.05E-03	-5.11E-03	-7.79E-03	-4.69E+00
314	368558	755440	Residential	5.19E+00	3.56E+00	1.53E+00	1.57E+01	2.61E+00	-2.07E-01	1.06E+00	4.14E-01	-6.41E-01	-6.73E-01	-1.21E-03	-8.83E-02	-5.94E-03	-7.27E-03	-4.64E-03	-7.03E-03	-4.25E+00
315	368459	755440	Residential	5.65E+00	3.81E+00	2.20E+00	1.71E+01	2.81E+00	-2.01E-01	1.14E+00	4.65E-01	1.98E-01	1.06E-01	-1.09E-03	-7.92E-02	-5.30E-03	-6.51E-03	-4.16E-03	-6.30E-03	-3.81E+00
316	368360	755440	Residential	6.05E+00	4.00E+00	2.21E+00	1.81E+01	2.94E+00	-1.88E-01	1.19E+00	4.84E-01	7.63E-02	-3.21E-02	-7.21E-04	-4.99E-02	-3.36E-03	-4.33E-03	-2.74E-03	-4.18E-03	-2.52E+00
317	368262	755439	Residential	6.23E+00	4.10E+00	2.07E+00	1.86E+01	3.01E+00	-1.88E-01	1.22E+00	4.89E-01	-2.20E-01	-3.25E-01	-1.02E-03	-7.19E-02	-4.87E-03	-6.10E-03	-3.88E-03	-5.89E-03	-3.55E+00
318	368186	755427	Residential	5.95E+00	3.96E+00	1.97E+00	1.79E+01	2.90E+00	-1.92E-01	1.18E+00	4.70E-01	-2.57E-01	-3.48E-01	-1.15E-03	-8.21E-02	-5.59E-03	-6.92E-03	-4.41E-03	-6.69E-03	-4.04E+00
319	368111	755414	Residential	5.66E+00	3.79E+00	1.89E+00	1.70E+01	2.79E+00	-1.92E-01	1.13E+00	4.51E-01	-2.51E-01	-3.30E-01	-1.24E-03	-8.86E-02	-6.06E-03	-7.47E-03	-4.75E-03	-7.22E-03	-4.36E+00
46	367504	757948	School	2.80E+00	2.03E+00	1.88E+00	8.71E+00	1.52E+00	-1.48E-01	6.07E-01	2.75E-01	1.13E+00	1.08E+00	-9.80E-04	-7.06E-02	-4.77E-03	-5.88E-03	-3.74E-03	-5.68E-03	-3.43E+00
47	367544	757873	School	2.80E+00	2.06E+00	1.49E+00	8.70E+00	1.53E+00	-1.61E-01	6.18E-01	2.63E-01	4.70E-01	4.67E-01	-1.07E-03	-7.95E-02	-5.30E-03	-6.43E-03	-4.12E-03	-6.22E-03	-3.77E+00
48	367587	757909	School	2.93E+00	2.13E+00	1.82E+00	9.12E+00	1.59E+00	-1.60E-01	6.39E-01	2.84E-01	9.39E-01	9.02E-01	-1.04E-03	-7.51E-02	-5.07E-03	-6.22E-03	-3.97E-03	-6.02E-03	-3.64E+00
49	367623	757866	School	2.85E+00	2.12E+00	1.60E+00	8.89E+00	1.57E+00	-1.71E-01	6.35E-01	2.73E-01	6.05E-01	5.97E-01	-1.07E-03	-7.95E-02	-5.29E-03	-6.45E-03	-4.12E-03	-6.23E-03	-3.78E+00
50	367694	757866	School	3.00E+00	2.23E+00	1.64E+00	9.37E+00	1.66E+00	-1.82E-01	6.70E-01	2.86E-01	5.67E-01	5.60E-01	-1.10E-03	-7.93E-02	-5.36E-03	-6.57E-03	-4.19E-03	-6.35E-03	-3.84E+00
51	367716	757927	School	2.97E+00	2.25E+00	1.12E+00	9.28E+00	1.66E+00	-1.94E-01	6.76E-01	2.68E-01	-2.74E-01	-2.29E-01	-1.05E-03	-7.81E-02	-5.13E-03	-6.30E-03	-4.03E-03	-6.09E-03	-3.70E+00
52	367737	757988	School	3.38E+00	2.48E+00	9.43E-01	1.04E+01	1.82E+00	-1.92E-01	7.44E-01	2.83E-01	-7.39E-01	-6.85E-01	-9.80E-04	-7.29E-02	-4.77E-03	-5.88E-03	-3.76E-03	-5.68E-03	-3.45E+00
53	367727	758067	School	3.30E+00	2.40E+00	1.09E+00	1.01E+01	1.77E+00	-1.82E-01	7.20E-01	2.81E-01	-4.53E-01	-4.14E-01	-8.60E-04	-6.30E-02	-4.14E-03	-5.16E-03	-3.30E-03	-4.99E-03	-3.02E+00
54	367716	758146	School	3.42E+00	2.47E+00	1.25E+00	1.05E+01	1.82E+00	-1.78E-01	7.38E-01	2.94E-01	-2.42E-01	-2.21E-01	-7.93E-04	-5.81E-02	-3.79E-03	-4.76E-03	-3.04E-03	-4.60E-03	-2.79E+00
56	367723	758254	School	4.03E+00	2.89E+00	1.69E+00	1.24E+01	2.13E+00	-2.04E-01	8.63E-01	3.53E-01	1.22E-01	1.06E-01	-4.46E-04	-3.12E-02	-1.96E-03	-2.67E-03	-1.70E-03	-2.58E-03	-1.56E+00
57	367784	758221	School	4.13E+00	2.96E+00	1.65E+00	1.27E+01	2.18E+00	-2.09E-01	8.84E-01	3.59E-01	1.05E-02	-1.81E-03	-4.80E-04	-3.28E-02	-2.12E-03	-2.88E-03	-1.82E-03	-2.78E-03	-1.67E+00
58	367845	758189	School	4.26E+00	3.05E+00	1.59E+00	1.31E+01	2.24E+00	-2.13E-01	9.11E-01	3.65E-01	-1.61E-01	-1.69E-01	-5.16E-04	-3.49E-02	-2.29E-03	-3.10E-03	-1.96E-03	-3.00E-03	-1.80E+00
106	370247	758254	School	2.46E+00	2.08E+00	-8.97E-01	7.82E+00	1.48E+00	-2.37E-01	6.24E-01	1.72E-01	-3.18E+00	-2.98E+00	-2.52E-03	-1.82E-01	-1.27E-02	-1.51E-02	-9.65E-03	-1.46E-02	-8.85E+00
107	370250	758189	School	2.44E+00	2.11E+00	-1.14E+00	7.80E+00	1.50E+00	-2.51E-01	6.33E-01	1.65E-01	-3.59E+00	-3.37E+00	-2.83E-03	-2.03E-01	-1.42E-02	-1.70E-02	-1.08E-02	-1.64E-02	-9.91E+00
108	370308	758196	School	2.72E+00	2.23E+00	-3.90E-01	8.63E+00	1.60E+00	-2.37E-01	6.69E-01	2.07E-01	-2.52E+00	-2.36E+00	-3.67E-03	-2.63E-01	-1.85E-02	-2.20E-02	-1.40E-02	-2.13E-02	-1.29E+01
109	370361	758236	School	2.02E+00	1.85E+00	-9.93E-01	6.58E+00	1.32E+00	-2.47E-01	5.58E-01	1.45E-01	-3.19E+00	-2.96E+00	-4.00E-03	-2.88E-01	-2.02E-02	-2.40E-02	-1.53E-02	-2.32E-02	-1.40E+01
110	370415	758275	School	1.27E+00	1.53E+00	-1.74E+00	4.53E+00	1.06E+00	-2.82E-01	4.62E-01	8.35E-02	-4.10E+00	-3.77E+00	-3.67E-03	-2.66E-01	-1.86E-02	-2.20E-02	-1.40E-02	-2.13E-02	-1.29E+01
302	369741	755435	School	4.29E+00	3.14E+00	4.05E-01	1.31E+01	2.28E+00	-2.42E-01	9.41E-01	3.28E-01	-2.10E+00	-1.99E+00	-1.17E-04	-5.71E-03	8.94E-05	-7.05E-04	-4.29E-04	-6.81E-04	-3.94E-01
303	369643	755434	School	3.73E+00	2.82E+00	9.98E-01	1.16E+01	2.07E+00	-2.41E-01	8.46E-01	3.19E-01	-9.67E-01	-8.81E-01	-7.32E-04	-5.47E-02	-3.31E-03	-4.39E-03	-2.81E-03	-4.25E-03	-2.58E+00

Note: Shaded cells indicate locations where concentrations were highest within each land use category.

Table 3-4B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 4, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m³)	acetaldehyde Acute Hazard	acrolein (µg/m³)	acrolein Acute Hazard	benzene (µg/m³)	benzene Acute Hazard	formaldehyde (µg/m³)	formaldehyde Acute Hazard	methyl alcohol (µg/m³)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m³)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m³)	phenol (carbolic acid) Acute Hazard	styrene (µg/m³)	styrene Acute Hazard	toluene (µg/m³)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
117	370814	758243	Offsite Worker	3.35E+00	7.13E-03	2.62E+00	**1.05E+00**	6.92E-01	5.32E-04	1.06E+01	1.92E-01	1.92E+00	6.85E-05	-2.48E-01	-1.91E-05	7.87E-01	1.36E-04	2.88E-01	1.37E-05	-1.21E+00	-3.27E-05
118	370810	758153	Offsite Worker	3.65E+00	7.77E-03	2.80E+00	**1.12E+00**	1.02E+00	7.87E-04	1.15E+01	2.08E-01	2.05E+00	7.34E-05	-2.51E-01	-1.93E-05	8.40E-01	1.45E-04	3.19E-01	1.52E-05	-8.38E-01	-2.26E-05
119	370807	758063	Offsite Worker	3.72E+00	7.92E-03	2.88E+00	**1.15E+00**	8.48E-01	6.52E-04	1.17E+01	2.13E-01	2.11E+00	7.53E-05	-2.65E-01	-2.04E-05	8.64E-01	1.49E-04	3.20E-01	1.52E-05	-1.18E+00	-3.18E-05
120	370803	757974	Offsite Worker	3.62E+00	7.70E-03	2.94E+00	**1.18E+00**	-4.20E-01	-3.23E-04	1.15E+01	2.08E-01	2.11E+00	7.55E-05	-3.05E-01	-2.34E-05	8.81E-01	1.52E-04	2.75E-01	1.31E-05	-3.19E+00	-8.62E-05
121	370835	757927	Offsite Worker	3.69E+00	7.84E-03	2.88E+00	**1.15E+00**	-1.22E+00	-9.42E-04	1.14E+01	2.08E-01	2.05E+00	7.32E-05	-2.72E-01	-2.09E-05	8.64E-01	1.49E-04	2.38E-01	1.13E-05	-4.40E+00	-1.19E-04
122	370868	757880	Offsite Worker	3.30E+00	7.01E-03	2.70E+00	**1.08E+00**	-2.05E-01	-1.57E-04	1.05E+01	1.91E-01	1.95E+00	6.96E-05	-2.86E-01	-2.20E-05	8.10E-01	1.40E-04	2.60E-01	1.24E-05	-2.69E+00	-7.26E-05
123	370921	757884	Offsite Worker	3.99E+00	8.50E-03	3.03E+00	**1.21E+00**	8.63E-01	6.64E-04	1.25E+01	2.27E-01	2.22E+00	7.92E-05	-2.63E-01	-2.02E-05	9.09E-01	1.57E-04	3.35E-01	1.60E-05	-1.33E+00	-3.61E-05
124	370975	757887	Offsite Worker	4.11E+00	8.74E-03	3.16E+00	**1.26E+00**	1.49E+00	1.15E-03	1.30E+01	2.36E-01	2.32E+00	8.30E-05	-2.82E-01	-2.17E-05	9.46E-01	1.63E-04	3.72E-01	1.77E-05	-4.28E-01	-1.16E-05
125	370975	757794	Offsite Worker	5.13E+00	1.09E-02	3.93E+00	**1.57E+00**	1.41E+00	1.08E-03	1.62E+01	2.95E-01	2.88E+00	1.03E-04	-3.49E-01	-2.69E-05	1.18E+00	2.03E-04	4.46E-01	2.13E-05	-1.19E+00	-3.21E-05
126	371026	757794	Offsite Worker	5.08E+00	1.08E-02	3.96E+00	**1.59E+00**	3.16E-01	2.43E-04	1.61E+01	2.93E-01	2.87E+00	1.03E-04	-3.72E-01	-2.86E-05	1.19E+00	2.05E-04	4.06E-01	1.94E-05	-2.93E+00	-7.92E-05
127	371076	757877	Offsite Worker	4.03E+00	8.57E-03	3.20E+00	**1.28E+00**	4.33E-01	3.33E-04	1.29E+01	2.34E-01	2.33E+00	8.31E-05	-3.16E-01	-2.43E-05	9.60E-01	1.66E-04	3.35E-01	1.60E-05	-2.12E+00	-5.72E-05
128	371126	757959	Offsite Worker	3.73E+00	7.93E-03	2.90E+00	**1.16E+00**	7.72E-01	5.94E-04	1.18E+01	2.15E-01	2.12E+00	7.57E-05	-2.70E-01	-2.07E-05	8.69E-01	1.50E-04	3.19E-01	1.52E-05	-1.34E+00	-3.61E-05
129	371119	758031	Offsite Worker	2.90E+00	6.17E-03	2.47E+00	9.86E-01	7.99E-01	6.15E-04	9.47E+00	1.72E-01	1.81E+00	6.46E-05	-2.84E-01	-2.18E-05	7.41E-01	1.28E-04	2.77E-01	1.32E-05	-9.37E-01	-2.53E-05
143	371953	757977	Offsite Worker	2.06E+00	4.37E-03	2.60E+00	**1.04E+00**	7.46E-01	5.74E-04	8.27E+00	1.50E-01	1.91E+00	6.83E-05	-5.02E-01	-3.87E-05	7.86E-01	1.36E-04	2.90E-01	1.38E-05	-1.11E+00	-3.01E-05
144	371948	757880	Offsite Worker	2.36E+00	5.02E-03	2.24E+00	8.96E-01	5.72E-01	4.40E-04	8.23E+00	1.50E-01	1.64E+00	5.86E-05	-3.13E-01	-2.41E-05	6.74E-01	1.16E-04	2.46E-01	1.17E-05	-1.09E+00	-2.95E-05
145	371943	757783	Offsite Worker	7.81E-01	1.66E-03	1.82E+00	7.27E-01	-2.63E+00	-2.03E-03	4.23E+00	7.70E-02	1.25E+00	4.48E-05	-4.84E-01	-3.72E-05	5.52E-01	9.52E-05	7.85E-02	3.74E-06	-5.70E+00	-1.54E-04
146	372016	757794	Offsite Worker	8.43E-01	1.79E-03	1.67E+00	6.66E-01	-2.54E+00	-1.95E-03	3.98E+00	7.24E-02	1.15E+00	4.09E-05	-4.18E-01	-3.21E-05	5.06E-01	8.72E-05	6.68E-02	3.18E-06	-5.44E+00	-1.47E-04
147	372102	757791	Offsite Worker	6.32E-01	1.34E-03	1.42E+00	5.67E-01	-2.42E+00	-1.86E-03	3.13E+00	5.69E-02	9.68E-01	3.46E-05	-3.73E-01	-2.87E-05	4.31E-01	7.44E-05	4.63E-02	2.20E-06	-5.07E+00	-1.37E-04
148	372178	757760	Offsite Worker	3.54E-01	7.52E-04	1.29E+00	5.18E-01	-1.75E+00	-1.35E-03	2.42E+00	4.39E-02	9.00E-01	3.21E-05	-3.86E-01	-2.97E-05	3.96E-01	6.82E-05	6.05E-02	2.88E-06	-3.96E+00	-1.07E-04
149	372177	757670	Offsite Worker	9.15E-01	1.95E-03	1.52E+00	6.07E-01	-4.72E-01	-3.63E-04	4.00E+00	7.27E-02	1.09E+00	3.91E-05	-3.50E-01	-2.69E-05	4.61E-01	7.95E-05	1.33E-01	6.33E-06	-2.17E+00	-5.87E-05
150	372176	757579	Offsite Worker	5.33E-01	1.13E-03	1.39E+00	5.58E-01	1.05E-01	8.07E-05	3.09E+00	5.61E-02	1.02E+00	3.66E-05	-3.84E-01	-2.95E-05	4.26E-01	7.35E-05	1.44E-01	6.84E-06	-1.21E+00	-3.28E-05
151	372174	757489	Offsite Worker	7.35E-01	1.56E-03	1.58E+00	6.30E-01	-3.67E-01	-2.82E-04	3.70E+00	6.72E-02	1.14E+00	4.08E-05	-4.08E-01	-3.13E-05	4.80E-01	8.28E-05	1.43E-01	6.82E-06	-2.07E+00	-5.60E-05
152	372173	757398	Offsite Worker	2.65E+00	5.63E-03	2.49E+00	9.94E-01	-2.76E-02	-2.13E-05	8.89E+00	1.62E-01	1.80E+00	6.44E-05	-3.42E-01	-2.63E-05	7.49E-01	1.29E-04	2.46E-01	1.17E-05	-2.27E+00	-6.14E-05
153	372171	757308	Offsite Worker	4.49E+00	9.55E-03	3.25E+00	**1.30E+00**	1.49E+00	1.14E-03	1.39E+01	2.52E-01	2.39E+00	8.54E-05	-2.41E-01	-1.85E-05	9.74E-01	1.68E-04	3.82E-01	1.82E-05	-5.33E-01	-1.44E-05
154	372055	757309	Offsite Worker	3.32E+00	7.07E-03	2.87E+00	**1.15E+00**	3.69E-01	2.84E-04	1.09E+01	1.98E-01	2.09E+00	7.46E-05	-3.40E-01	-2.62E-05	8.63E-01	1.49E-04	3.00E-01	1.43E-05	-2.00E+00	-5.41E-05
156	372055	757416	Offsite Worker	5.23E-01	1.11E-03	1.67E+00	6.68E-01	-5.97E-01	-4.59E-04	3.43E+00	6.24E-02	1.21E+00	4.31E-05	-4.84E-01	-3.72E-05	5.10E-01	8.80E-05	1.44E-01	6.86E-06	-2.52E+00	-6.81E-05
157	371952	757442	Offsite Worker	5.67E-01	1.21E-03	1.52E+00	6.09E-01	1.85E-02	1.42E-05	3.60E+00	6.54E-02	1.12E+00	3.99E-05	-4.23E-01	-3.25E-05	4.66E-01	8.03E-05	1.53E-01	7.30E-06	-1.46E+00	-3.95E-05
158	371950	757345	Offsite Worker	2.24E-01	4.77E-04	1.82E+00	7.28E-01	-9.96E-01	-7.66E-04	3.19E+00	5.79E-02	1.31E+00	4.67E-05	-5.97E-01	-4.59E-05	5.58E-01	9.61E-05	1.44E-01	6.85E-06	-3.28E+00	-8.87E-05
159	371864	757344	Offsite Worker	-6.01E-01	-1.28E-03	1.64E+00	6.58E-01	-9.65E-01	-7.42E-04	1.41E+00	2.57E-02	1.19E+00	4.24E-05	-7.01E-01	-5.40E-05	5.08E-01	8.75E-05	1.28E-01	6.12E-06	-3.10E+00	-8.36E-05
160	371790	757347	Offsite Worker	-3.82E-01	-8.13E-04	1.63E+00	6.52E-01	-5.84E-01	-4.49E-04	1.94E+00	3.52E-02	1.19E+00	4.23E-05	-6.52E-01	-5.01E-05	5.02E-01	8.66E-05	1.42E-01	6.74E-06	-2.50E+00	-6.77E-05
161	371708	757356	Offsite Worker	8.01E-01	1.70E-03	1.81E+00	7.25E-01	-3.07E-01	-2.36E-04	4.68E+00	8.52E-02	1.32E+00	4.71E-05	-4.78E-01	-3.68E-05	5.53E-01	9.53E-05	1.69E-01	8.07E-06	-2.20E+00	-5.95E-05
162	371615	757356	Offsite Worker	1.55E+00	3.30E-03	1.95E+00	7.80E-01	-8.46E-02	-6.51E-05	6.46E+00	1.17E-01	1.42E+00	5.06E-05	-3.75E-01	-2.88E-05	5.91E-01	1.02E-04	1.91E-01	9.09E-06	-1.95E+00	-5.28E-05
163	371523	757356	Offsite Worker	1.76E+00	3.75E-03	1.99E+00	7.96E-01	2.55E-01	1.96E-04	7.01E+00	1.27E-01	1.45E+00	5.20E-05	-3.46E-01	-2.66E-05	6.02E-01	1.04E-04	2.08E-01	9.92E-06	-1.46E+00	-3.95E-05
164	371430	757356	Offsite Worker	2.30E+00	4.90E-03	2.26E+00	9.03E-01	3.69E-01	2.83E-04	8.50E+00	1.55E-01	1.65E+00	5.89E-05	-3.30E-01	-2.54E-05	6.81E-01	1.17E-04	2.39E-01	1.14E-05	-1.48E+00	-4.01E-05
165	371338	757356	Offsite Worker	2.20E+00	4.69E-03	2.30E+00	9.19E-01	-1.28E-02	-9.84E-06	8.28E+00	1.51E-01	1.67E+00	5.96E-05	-3.65E-01	-2.81E-05	6.94E-01	1.20E-04	2.28E-01	1.09E-05	-2.13E+00	-5.77E-05
166	371245	757356	Offsite Worker	1.62E+00	3.44E-03	2.23E+00	8.93E-01	-1.02E+00	-7.83E-04	6.79E+00	1.23E-01	1.60E+00	5.71E-05	-4.61E-01	-3.55E-05	6.77E-01	1.17E-04	1.83E-01	8.70E-06	-3.65E+00	-9.87E-05
167	371153	757356	Offsite Worker	1.19E+00	2.54E-03	2.17E+00	8.68E-01	-2.51E+00	-1.93E-03	5.60E+00	1.02E-01	1.52E+00	5.41E-05	-5.26E-01	-4.04E-05	6.61E-01	1.14E-04	1.18E-01	5.60E-06	-5.96E+00	-1.61E-04
168	371061	757356	Offsite Worker	8.00E-01	1.70E-03	2.13E+00	8.51E-01	-4.00E+00	-3.07E-03	4.55E+00	8.28E-02	1.45E+00	5.17E-05	-5.90E-01	-4.54E-05	6.50E-01	1.12E-04	5.52E-02	2.63E-06	-8.23E+00	-2.22E-04
169	371005	757357	Offsite Worker	2.96E-01	6.31E-04	2.02E+00	8.07E-01	-5.08E+00	-3.90E-03	3.22E+00	5.85E-02	1.34E+00	4.78E-05	-6.53E-01	-5.02E-05	6.18E-01	1.06E-04	2.00E-03	9.54E-08	-9.79E+00	-2.65E-04
170	370998	757293	Offsite Worker	2.02E+00	4.29E-03	3.24E+00	**1.30E+00**	-2.29E+00	-1.76E-03	8.58E+00	1.56E-01	2.30E+00	8.22E-05	-7.37E-01	-5.67E-05	9.84E-01	1.70E-04	2.34E-01	1.11E-05	-6.55E+00	-1.77E-04
171	370998	757194	Offsite Worker	1.74E+00	3.69E-03	2.89E+00	**1.16E+00**	2.22E-01	1.70E-04	7.70E+00	1.40E-01	2.12E+00	7.56E-05	-6.69E-01	-5.15E-05	8.80E-01	1.52E-04	2.98E-01	1.42E-05	-2.44E+00	-6.61E-05
172	370998	757096	Offsite Worker	2.09E-01	4.44E-04	2.38E+00	9.53E-01	-1.60E+00	-1.23E-03	3.65E+00	6.63E-02	1.71E+00	6.10E-05	-7.99E-01	-6.15E-05	7.33E-01	1.26E-04	1.76E-01	8.37E-06	-4.89E+00	-1.32E-04
173	370998	756998	Offsite Worker	6.19E-01	1.32E-03	2.23E+00	8.92E-01	-2.98E+00	-2.29E-03	3.80E+00	6.90E-02	1.57E+00	5.62E-05	-6.67E-01	-5.13E-05	7.04E-01	1.21E-04	9.90E-02	4.71E-06	-7.93E+00	-2.14E-04
174	371057	756997	Offsite Worker	1.85E+00	3.94E-03	2.64E+00	**1.06E+00**	-7.85E-01	-6.04E-04	7.25E+00	1.32E-01	1.92E+00	6.84E-05	-5.60E-01	-4.31E-05	8.14E-01	1.40E-04	2.29E-01	1.09E-05	-4.36E+00	-1.18E-04
175	371153	756997	Offsite Worker	1.26E+00	2.69E-03	2.50E+00	1.00E+00	-7.61E-01	-5.86E-04	5.92E+00	1.08E-01	1.82E+00	6.48E-05	-6.28E-01	-4.83E-05	7.70E-01	1.33E-04	2.17E-01	1.03E-05	-4.03E+00	-1.09E-04
176	371249	756997	Offsite Worker	1.59E+00	3.38E-03	2.63E+00	**1.05E+00**	-2.85E-01	-2.19E-04	6.77E+00	1.23E-01	1.92E+00	6.86E-05	-6.07E-01	-4.67E-05	8.09E-01	1.40E-04	2.48E-01	1.18E-05	-3.49E+00	-9.42E-05
177	371345	756997	Offsite Worker	2.36E+00	5.01E-03	2.86E+00	**1.14E+00**	-5.86E-01	-4.50E-04	8.58E+00	1.56E-01	2.08E+00	7.42E-05	-5.34E-01	-4.11E-05	8.78E-01	1.51E-04	2.57E-01	1.23E-05	-4.27E+00	-1.15E-04
178	371440	756997	Offsite Worker	3.79E+00	8.06E-03	3.45E+00	**1.38E+00**	4.09E-01	3.15E-04	1.26E+01	2.28E-01	2.52E+00	8.98E-05	-4.52E-01	-3.47E-05	1.04E+00	1.80E-04	3.58E-01	1.70E-05	-2.70E+00	-7.28E-05
179	371536	756997	Offsite Worker	5.55E+00	1.18E-02	4.23E+00	**1.69E+00**	1.23E+00	9.46E-04	1.74E+01	3.16E-01	3.09E+00	1.10E-04	-3.70E-01	-2.85E-05	1.27E+00	2.19E-04	4.68E-01	2.23E-05	-1.88E+00	-5.09E-05
180	371632	756997	Offsite Worker	6.37E+00	1.35E-02	4.51E+00	**1.80E+00**	2.50E+00	1.92E-03	1.95E+01	3.55E-01	3.33E+00	1.19E-04	-3.04E-01	-2.34E-05	1.35E+00	2.33E-04	5.46E-01	2.60E-05	-9.54E-02	-2.58E-06
181	371728	756997	Offsite Worker	6.62E+00	1.41E-02	4.52E+00	**1.81E+00**	3.35E+00	2.57E-03	2.02E+01	3.67E-01	3.35E+00	1.20E-04	-2.54E-01	-1.96E-05	1.35E+00	2.33E-04	5.80E-01	2.76E-05	1.26E+00	3.41E-05
182	371824	756997	Offsite Worker	6.02E+00	1.28E-02	4.15E+00	**1.66E+00**	3.18E+00	2.44E-03	1.84E+01	3.34E-01	3.08E+00	1.10E-04	-2.47E-01	-1.90E-05	1.24E+00	2.14E-04	5.37E-01	2.56E-05	1.30E+00	3.51E-05
183	371920	756997	Offsite Worker	4.32E+00	9.20E-03	3.19E+00	**1.28E+00**	3.48E+00	2.68E-03	1.36E+01	2.47E-01	2.41E+00	8.59E-05	-2.52E-01	-1.94E-05	9.58E-01	1.65E-04	4.54E-01	2.16E-05	2.50E+00	6.76E-05
184	372016	756997	Offsite Worker	5.89E+00	1.25E-02	3.95E+00	**1.58E+00**	5.97E+00	4.60E-03	1.81E+01	3.29E-01	3.02E+00	1.08E-04	-2.03E-01	-1.56E-05	1.18E+00	2.04E-04	6.28E-01	2.99E-05	5.76E+00	1.56E-04
185	372111	756997	Offsite Worker	4.32E+00	9.18E-03	3.10E+00	**1.24E+00**	3.86E+00	2.97E-03	1.35E+01	2.45E-01	2.35E+00	8.39E-05	-2.22E-01	-1.71E-05	9.31E-01	1.60E-04	4.60E-01	2.19E-05	3.18E+00	8.60E-05
186	372207	756997	Offsite Worker	5.24E+00	1.11E-02	3.49E+00	**1.40E+00**	6.58E+00	5.06E-03	1.62E+01	2.94E-01	2.70E+00	9.65E-05	-1.71E-01	-1.32E-05	1.04E+00	1.80E-04	6.05E-01	2.88E-05	7.08E+00	1.91E-04
187	372303	756997	Offsite Worker	3.86E+00	8.20E-03	2.77E+00	**1.11E+00**	3.56E+00	2.74E-03	1.20E+01	2.19E-01	2.10E+00	7.51E-05	-1.98E-01	-1.52E-05	8.32E-01	1.43E-04	4.15E-01	1.98E-05	3.00E+00	8.09E-05
188	372399	756997	Offsite Worker	4.31E+00	9.17E-03	2.99E+00	**1.20E+00**	2.92E+00	2.24E-03	1.32E+01	2.40E-01	2.24E+00	8.00E-05	-1.82E-01	-1.40E-05	8.95E-01	1.54E-04	4.11E-01	1.96E-05	1.87E+00	5.06E-05
189	372495	756997	Offsite Worker	4.08E+00	8.67E-03	2.84E+00	**1.14E+00**	2.88E+00	2.21E-03	1.25E+01	2.28E-01	2.13E+00	7.61E-05	-1.78E-01	-1.37E-05	8.51E-01	1.47E-04	3.95E-01	1.88E-05	1.93E+00	5.20E-05
190	372591	756997	Offsite Worker	4.96E+00	1.05E-02	3.29E+00	**1.31E+00**	3.29E+00	2.53E-03	1.50E+01	2.73E-01	2.46E+00	8.79E-05	-1.57E-01	-1.21E-05	9.82E-01	1.69E-04	4.56E-01	2.17E-05	2.24E+00	6.04E-05
191	372610	757063	Offsite Worker	4.34E+00	9.24E-03	2.93E+00	**1.17E+00**	2.62E+00	2.02E-03	1.32E+01	2.40E-01	2.19E+00	7.81E-05	-1.55E-01	-1.19E-05	8.75E-01	1.51E-04	3.94E-01	1.87E-05	1.50E+00	4.05E-05
192	372612	757132	Offsite Worker	4.28E+00	9.11E-03	2.87E+00	**1.15E+00**	2.68E+00	2.06E-03	1.30E+01	2.36E-01	2.14E+00	7.66E-05	-1.47E-01	-1.13E-05	8.58E-01	1.48E-04	3.90E-01	1.86E-05	1.64E+00	4.44E-05
193	372614	757201	Offsite Worker	4.05E+00	8.62E-03	2.76E+00	**1.11E+00**	2.25E+00	1.73E-03	1.23E+01	2.24E-01	2.06E+00	7.35E-05	-1.56E-01	-1.20E-05	8.27E-01	1.43E-04	3.63E-01	1.73E-05	1.07E+00	2.89E-05
194	372616	757270	Offsite Worker	3.49E+00	7.43E-03	2.48E+00	9.93E-01	1.50E+00	1.15E-03	1.07E+01	1.95E-01	1.84E+00	6.56E-05	-1.70E-01	-1.31E-05	7.44E-01	1.28E-04	3.05E-01	1.45E-05	1.34E-01	3.62E-06
195	372627	757351	Offsite Worker	4.34E+00	9.24E-03	2.95E+00	**1.18E+00**	1.82E+00	1.40E-03	1.31E+01	2.39E-01	2.18E+00	7.78E-05	-1.63E-01	-1.25E-05	8.82E-01	1.52E-04	3.64E-01	1.74E-05	2.84E-01	7.68E-06

Table 3-4B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 4, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m³)	acetaldehyde Acute Hazard	acrolein (µg/m³)	acrolein Acute Hazard	benzene (µg/m³)	benzene Acute Hazard	formaldehyde (µg/m³)	formaldehyde Acute Hazard	methyl alcohol (µg/m³)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m³)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m³)	phenol (carbolic acid) Acute Hazard	styrene (µg/m³)	styrene Acute Hazard	toluene (µg/m³)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
196	372651	757422	Offsite Worker	4.72E+00	1.00E-02	3.15E+00	**1.26E+00**	1.79E+00	1.38E-03	1.42E+01	2.58E-01	2.32E+00	8.29E-05	-1.58E-01	-1.22E-05	9.40E-01	1.62E-04	3.83E-01	1.82E-05	8.40E-02	2.27E-06
197	372676	757494	Offsite Worker	4.53E+00	9.65E-03	3.08E+00	**1.23E+00**	1.77E+00	1.36E-03	1.37E+01	2.49E-01	2.27E+00	8.11E-05	-1.70E-01	-1.31E-05	9.20E-01	1.59E-04	3.75E-01	1.79E-05	9.83E-02	2.66E-06
198	372704	757569	Offsite Worker	4.07E+00	8.66E-03	2.83E+00	**1.13E+00**	1.21E+00	9.30E-04	1.24E+01	2.25E-01	2.07E+00	7.41E-05	-1.75E-01	-1.34E-05	8.45E-01	1.46E-04	3.28E-01	1.56E-05	-5.75E-01	-1.56E-05
199	372733	757645	Offsite Worker	3.05E+00	6.49E-03	2.41E+00	9.64E-01	6.28E-01	4.83E-04	9.63E+00	1.75E-01	1.76E+00	6.29E-05	-2.34E-01	-1.80E-05	7.23E-01	1.25E-04	2.64E-01	1.26E-05	-1.13E+00	-3.05E-05
200	372746	757702	Offsite Worker	2.31E+00	4.91E-03	2.06E+00	8.26E-01	2.41E-01	1.85E-04	7.60E+00	1.38E-01	1.50E+00	5.37E-05	-2.62E-01	-2.01E-05	6.21E-01	1.07E-04	2.15E-01	1.02E-05	-1.45E+00	-3.92E-05
201	372746	757768	Offsite Worker	1.37E+00	2.92E-03	1.65E+00	6.60E-01	1.72E-02	1.33E-05	5.09E+00	9.25E-02	1.20E+00	4.29E-05	-3.04E-01	-2.34E-05	4.99E-01	8.60E-05	1.65E-01	7.87E-06	-1.48E+00	-3.99E-05
202	372807	757781	Offsite Worker	1.68E+00	3.58E-03	1.76E+00	7.05E-01	6.53E-02	5.02E-05	5.88E+00	1.07E-01	1.28E+00	4.58E-05	-2.82E-01	-2.17E-05	5.32E-01	9.17E-05	1.78E-01	8.49E-06	-1.49E+00	-4.02E-05
203	372901	757782	Offsite Worker	2.20E+00	4.68E-03	1.97E+00	7.89E-01	2.48E-01	1.91E-04	7.25E+00	1.32E-01	1.44E+00	5.13E-05	-2.51E-01	-1.93E-05	5.93E-01	1.02E-04	2.06E-01	9.82E-06	-1.36E+00	-3.68E-05
204	372994	757783	Offsite Worker	2.68E+00	5.71E-03	2.17E+00	8.68E-01	5.29E-01	4.07E-04	8.54E+00	1.55E-01	1.59E+00	5.66E-05	-2.24E-01	-1.72E-05	6.51E-01	1.12E-04	2.37E-01	1.13E-05	-1.08E+00	-2.92E-05
205	373087	757783	Offsite Worker	3.15E+00	6.69E-03	2.36E+00	9.42E-01	8.46E-01	6.50E-04	9.77E+00	1.78E-01	1.73E+00	6.16E-05	-1.95E-01	-1.50E-05	7.06E-01	1.22E-04	2.67E-01	1.27E-05	-7.35E-01	-1.99E-05
206	373180	757784	Offsite Worker	3.45E+00	7.33E-03	2.45E+00	9.81E-01	1.18E+00	9.06E-04	1.05E+01	1.92E-01	1.80E+00	6.44E-05	-1.68E-01	-1.29E-05	7.33E-01	1.26E-04	2.90E-01	1.38E-05	-3.01E-01	-8.14E-06
207	373274	757785	Offsite Worker	3.51E+00	7.46E-03	2.43E+00	9.71E-01	1.37E+00	1.05E-03	1.07E+01	1.94E-01	1.79E+00	6.39E-05	-1.47E-01	-1.13E-05	7.26E-01	1.25E-04	2.95E-01	1.40E-05	-1.83E-04	-4.94E-09
208	373367	757786	Offsite Worker	3.40E+00	7.23E-03	2.35E+00	9.40E-01	1.35E+00	1.04E-03	1.03E+01	1.88E-01	1.73E+00	6.19E-05	-1.42E-01	-1.09E-05	7.03E-01	1.21E-04	2.86E-01	1.36E-05	4.04E-02	1.09E-06
209	373418	757742	Offsite Worker	3.30E+00	7.02E-03	2.28E+00	9.11E-01	1.18E+00	9.07E-04	1.00E+01	1.82E-01	1.68E+00	5.99E-05	-1.37E-01	-1.05E-05	6.81E-01	1.17E-04	2.72E-01	1.30E-05	-1.61E-01	-4.36E-06
210	373418	757653	Offsite Worker	2.88E+00	6.13E-03	2.02E+00	8.07E-01	9.46E-01	7.27E-04	8.76E+00	1.59E-01	1.48E+00	5.29E-05	-1.29E-01	-9.93E-06	6.03E-01	1.04E-04	2.37E-01	1.13E-05	-2.94E-01	-7.95E-06
211	373419	757564	Offsite Worker	2.68E+00	5.70E-03	1.88E+00	7.52E-01	1.16E+00	8.93E-04	8.18E+00	1.49E-01	1.39E+00	4.96E-05	-1.21E-01	-9.34E-06	5.62E-01	9.70E-05	2.32E-01	1.11E-05	1.53E-01	4.14E-06
212	373419	757475	Offsite Worker	3.11E+00	6.62E-03	2.09E+00	8.36E-01	1.75E+00	1.35E-03	9.42E+00	1.71E-01	1.56E+00	5.56E-05	-1.09E-01	-8.36E-06	6.25E-01	1.08E-04	2.76E-01	1.32E-05	8.77E-01	2.37E-05
213	373420	757386	Offsite Worker	3.61E+00	7.69E-03	2.36E+00	9.45E-01	2.29E+00	1.76E-03	1.09E+01	1.98E-01	1.77E+00	6.31E-05	-1.03E-01	-7.91E-06	7.06E-01	1.22E-04	3.24E-01	1.54E-05	1.50E+00	4.06E-05
214	373420	757297	Offsite Worker	3.86E+00	8.22E-03	2.50E+00	1.00E+00	2.17E+00	1.67E-03	1.16E+01	2.10E-01	1.86E+00	6.65E-05	-1.01E-01	-7.74E-06	7.46E-01	1.29E-04	3.33E-01	1.59E-05	1.20E+00	3.25E-05
215	373421	757207	Offsite Worker	3.90E+00	8.30E-03	2.53E+00	**1.01E+00**	2.04E+00	1.57E-03	1.17E+01	2.12E-01	1.88E+00	6.72E-05	-1.05E-01	-8.05E-06	7.56E-01	1.30E-04	3.31E-01	1.58E-05	9.77E-01	2.64E-05
216	373421	757118	Offsite Worker	3.47E+00	7.38E-03	2.35E+00	9.41E-01	1.93E+00	1.49E-03	1.05E+01	1.91E-01	1.75E+00	6.25E-05	-1.28E-01	-9.83E-06	7.04E-01	1.21E-04	3.09E-01	1.47E-05	9.11E-01	2.46E-05
217	373292	757117	Offsite Worker	3.76E+00	8.00E-03	2.50E+00	**1.00E+00**	2.10E+00	1.62E-03	1.13E+01	2.06E-01	1.86E+00	6.65E-05	-1.22E-01	-9.41E-06	7.47E-01	1.29E-04	3.31E-01	1.57E-05	1.06E+00	2.88E-05
218	373213	757118	Offsite Worker	3.94E+00	8.39E-03	2.60E+00	**1.04E+00**	2.19E+00	1.69E-03	1.19E+01	2.16E-01	1.94E+00	6.92E-05	-1.21E-01	-9.28E-06	7.78E-01	1.34E-04	3.44E-01	1.64E-05	1.12E+00	3.04E-05
219	373158	757066	Offsite Worker	4.06E+00	8.64E-03	2.69E+00	**1.08E+00**	2.41E+00	1.85E-03	1.23E+01	2.23E-01	2.01E+00	7.18E-05	-1.29E-01	-9.92E-06	8.05E-01	1.39E-04	3.62E-01	1.72E-05	1.37E+00	3.71E-05
220	373084	757026	Offsite Worker	4.40E+00	9.36E-03	2.92E+00	**1.17E+00**	2.77E+00	2.13E-03	1.33E+01	2.42E-01	2.18E+00	7.79E-05	-1.40E-01	-1.07E-05	8.72E-01	1.50E-04	3.98E-01	1.90E-05	1.74E+00	4.71E-05
221	373009	757011	Offsite Worker	4.48E+00	9.54E-03	2.98E+00	**1.19E+00**	2.89E+00	2.22E-03	1.36E+01	2.46E-01	2.23E+00	7.95E-05	-1.43E-01	-1.10E-05	8.89E-01	1.53E-04	4.09E-01	1.95E-05	1.88E+00	5.07E-05
222	372922	757009	Offsite Worker	4.34E+00	9.24E-03	2.90E+00	**1.16E+00**	2.45E+00	1.89E-03	1.31E+01	2.38E-01	2.16E+00	7.72E-05	-1.45E-01	-1.12E-05	8.67E-01	1.49E-04	3.84E-01	1.83E-05	1.26E+00	3.41E-05
223	372835	757007	Offsite Worker	4.94E+00	1.05E-02	3.25E+00	**1.30E+00**	2.69E+00	2.07E-03	1.49E+01	2.70E-01	2.42E+00	8.65E-05	-1.49E-01	-1.15E-05	9.72E-01	1.68E-04	4.29E-01	2.04E-05	1.34E+00	3.63E-05
224	372747	757006	Offsite Worker	5.74E+00	1.22E-02	3.70E+00	**1.48E+00**	3.29E+00	2.53E-03	1.72E+01	3.12E-01	2.75E+00	9.84E-05	-1.44E-01	-1.11E-05	1.10E+00	1.90E-04	4.96E-01	2.36E-05	1.92E+00	5.19E-05
225	372660	757004	Offsite Worker	5.65E+00	1.20E-02	3.66E+00	**1.46E+00**	3.50E+00	2.69E-03	1.70E+01	3.08E-01	2.73E+00	9.76E-05	-1.46E-01	-1.13E-05	1.09E+00	1.88E-04	5.00E-01	2.38E-05	2.28E+00	6.16E-05
226	372651	757063	Offsite Worker	4.28E+00	9.11E-03	2.90E+00	**1.16E+00**	2.60E+00	2.00E-03	1.30E+01	2.37E-01	2.17E+00	7.73E-05	-1.57E-01	-1.21E-05	8.68E-01	1.50E-04	3.90E-01	1.86E-05	1.48E+00	3.99E-05
227	372629	756931	Offsite Worker	6.58E+00	1.40E-02	4.14E+00	**1.66E+00**	4.34E+00	3.34E-03	1.96E+01	3.56E-01	3.10E+00	1.11E-04	-1.29E-01	-9.95E-06	1.23E+00	2.13E-04	5.81E-01	2.77E-05	3.17E+00	8.56E-05
228	372631	756857	Offsite Worker	7.69E+00	1.64E-02	4.67E+00	**1.87E+00**	7.07E+00	5.44E-03	2.29E+01	4.16E-01	3.56E+00	1.27E-04	-9.23E-02	-7.10E-06	1.39E+00	2.40E-04	7.42E-01	3.53E-05	6.94E+00	1.88E-04
229	372634	756783	Offsite Worker	8.33E+00	1.77E-02	5.03E+00	**2.01E+00**	6.55E+00	5.04E-03	2.47E+01	4.48E-01	3.80E+00	1.36E-04	-8.88E-02	-6.83E-06	1.50E+00	2.58E-04	7.57E-01	3.60E-05	5.88E+00	1.59E-04
230	372702	756778	Offsite Worker	6.69E+00	1.42E-02	4.18E+00	**1.67E+00**	4.53E+00	3.48E-03	1.99E+01	3.62E-01	3.14E+00	1.12E-04	-1.20E-01	-9.27E-06	1.25E+00	2.15E-04	5.93E-01	2.82E-05	3.42E+00	9.24E-05
231	372756	756775	Offsite Worker	6.55E+00	1.39E-02	4.12E+00	**1.65E+00**	4.22E+00	3.25E-03	1.95E+01	3.55E-01	3.08E+00	1.10E-04	-1.26E-01	-9.72E-06	1.23E+00	2.12E-04	5.74E-01	2.73E-05	2.99E+00	8.08E-05
232	372729	756712	Offsite Worker	7.05E+00	1.50E-02	4.43E+00	**1.77E+00**	4.17E+00	3.21E-03	2.09E+01	3.81E-01	3.31E+00	1.18E-04	-1.36E-01	-1.05E-05	1.32E+00	2.28E-04	6.03E-01	2.87E-05	2.64E+00	7.13E-05
233	372703	756650	Offsite Worker	7.78E+00	1.66E-02	4.86E+00	**1.94E+00**	4.56E+00	3.51E-03	2.31E+01	4.20E-01	3.63E+00	1.30E-04	-1.41E-01	-1.08E-05	1.45E+00	2.50E-04	6.61E-01	3.15E-05	2.90E+00	7.85E-05
234	372677	756588	Offsite Worker	1.08E+01	2.31E-02	6.59E+00	**2.63E+00**	6.10E+00	4.69E-03	3.19E+01	5.80E-01	4.91E+00	1.75E-04	-1.30E-01	-1.00E-05	1.96E+00	3.38E-04	8.93E-01	4.25E-05	3.91E+00	1.06E-04
235	372619	756588	Offsite Worker	9.63E+00	2.05E-02	5.91E+00	**2.37E+00**	5.83E+00	4.48E-03	2.84E+01	5.17E-01	4.42E+00	1.58E-04	-1.38E-01	-1.07E-05	1.76E+00	3.04E-04	8.16E-01	3.88E-05	3.99E+00	1.08E-04
236	372622	756509	Offsite Worker	1.62E+01	3.46E-02	9.78E+00	**3.91E+00**	9.75E+00	7.50E-03	4.77E+01	8.68E-01	7.31E+00	2.61E-04	-1.67E-01	-1.29E-05	2.91E+00	5.02E-04	1.35E+00	6.45E-05	6.93E+00	1.87E-04
237	372700	756511	Offsite Worker	1.50E+01	3.19E-02	9.05E+00	**3.62E+00**	8.56E+00	6.59E-03	4.40E+01	8.01E-01	6.75E+00	2.41E-04	-1.63E-01	-1.25E-05	2.69E+00	4.64E-04	1.23E+00	5.88E-05	5.69E+00	1.54E-04
238	372789	756510	Offsite Worker	1.34E+01	2.85E-02	8.15E+00	**3.26E+00**	7.00E+00	5.38E-03	3.94E+01	7.16E-01	6.06E+00	2.16E-04	-1.63E-01	-1.26E-05	2.42E+00	4.18E-04	1.08E+00	5.16E-05	4.02E+00	1.09E-04
239	372871	756509	Offsite Worker	1.18E+01	2.52E-02	7.26E+00	**2.90E+00**	5.52E+00	4.24E-03	3.48E+01	6.33E-01	5.38E+00	1.92E-04	-1.65E-01	-1.27E-05	2.16E+00	3.72E-04	9.37E-01	4.46E-05	2.46E+00	6.65E-05
240	372871	756437	Offsite Worker	7.85E+00	1.67E-02	4.96E+00	**1.99E+00**	4.68E+00	3.60E-03	2.34E+01	4.25E-01	3.71E+00	1.32E-04	-1.65E-01	-1.27E-05	1.48E+00	2.55E-04	6.77E-01	3.22E-05	3.00E+00	8.12E-05
241	372970	756437	Offsite Worker	7.18E+00	1.53E-02	4.55E+00	**1.82E+00**	3.98E+00	3.06E-03	2.14E+01	3.88E-01	3.39E+00	1.21E-04	-1.51E-01	-1.16E-05	1.36E+00	2.34E-04	6.07E-01	2.89E-05	2.27E+00	6.14E-05
242	373069	756437	Offsite Worker	6.81E+00	1.45E-02	4.30E+00	**1.72E+00**	3.29E+00	2.53E-03	2.02E+01	3.67E-01	3.19E+00	1.14E-04	-1.39E-01	-1.07E-05	1.28E+00	2.21E-04	5.55E-01	2.64E-05	1.42E+00	3.85E-05
243	373168	756437	Offsite Worker	6.57E+00	1.40E-02	4.15E+00	**1.66E+00**	2.66E+00	2.05E-03	1.94E+01	3.53E-01	3.06E+00	1.09E-04	-1.35E-01	-1.04E-05	1.24E+00	2.13E-04	5.16E-01	2.45E-05	5.90E-01	1.60E-05
244	373267	756437	Offsite Worker	6.36E+00	1.35E-02	4.01E+00	**1.61E+00**	2.13E+00	1.64E-03	1.88E+01	3.41E-01	2.95E+00	1.05E-04	-1.31E-01	-1.00E-05	1.20E+00	2.06E-04	4.82E-01	2.29E-05	-1.05E-01	-2.83E-06
245	373412	756437	Offsite Worker	5.62E+00	1.20E-02	3.56E+00	**1.42E+00**	1.92E+00	1.48E-03	1.66E+01	3.02E-01	2.62E+00	9.35E-05	-1.19E-01	-9.16E-06	1.06E+00	1.83E-04	4.28E-01	2.04E-05	-5.48E-02	-1.48E-06
246	373409	756339	Offsite Worker	4.36E+00	9.27E-03	2.91E+00	**1.16E+00**	1.83E+00	1.41E-03	1.31E+01	2.38E-01	2.15E+00	7.69E-05	-1.46E-01	-1.13E-05	8.71E-01	1.50E-04	3.61E-01	1.72E-05	2.78E-01	7.51E-06
247	373406	756240	Offsite Worker	4.83E+00	1.03E-02	3.17E+00	**1.27E+00**	2.19E+00	1.69E-03	1.45E+01	2.63E-01	2.35E+00	8.39E-05	-1.43E-01	-1.10E-05	9.48E-01	1.63E-04	4.01E-01	1.91E-05	6.55E-01	1.77E-05
248	373403	756142	Offsite Worker	5.40E+00	1.15E-02	3.31E+00	**1.33E+00**	2.66E+00	2.04E-03	1.59E+01	2.89E-01	2.46E+00	8.79E-05	-7.68E-02	-5.91E-06	9.88E-01	1.70E-04	4.33E-01	2.06E-05	1.28E+00	3.45E-05
249	373400	756042	Offsite Worker	4.74E+00	1.01E-02	3.33E+00	**1.33E+00**	2.11E+00	1.62E-03	1.45E+01	2.64E-01	2.46E+00	8.78E-05	-2.15E-01	-1.66E-05	9.94E-01	1.71E-04	4.14E-01	1.97E-05	4.30E-01	1.16E-05
250	373397	755944	Offsite Worker	4.62E+00	9.82E-03	3.25E+00	**1.30E+00**	1.24E+00	9.51E-04	1.41E+01	2.56E-01	2.38E+00	8.51E-05	-2.15E-01	-1.65E-05	9.72E-01	1.68E-04	3.72E-01	1.77E-05	-8.54E-01	-2.31E-05
251	373393	755846	Offsite Worker	4.24E+00	9.03E-03	3.01E+00	**1.20E+00**	1.07E+00	8.26E-04	1.30E+01	2.35E-01	2.20E+00	7.86E-05	-2.03E-01	-1.57E-05	8.99E-01	1.55E-04	3.41E-01	1.62E-05	-8.93E-01	-2.41E-05
252	373390	755747	Offsite Worker	3.91E+00	8.33E-03	2.77E+00	**1.11E+00**	6.29E-01	4.84E-04	1.19E+01	2.16E-01	2.01E+00	7.19E-05	-1.85E-01	-1.42E-05	8.26E-01	1.42E-04	3.00E-01	1.43E-05	-1.35E+00	-3.66E-05
253	373309	755744	Offsite Worker	3.98E+00	8.46E-03	2.80E+00	**1.12E+00**	5.54E-01	4.26E-04	1.21E+01	2.20E-01	2.03E+00	7.27E-05	-1.84E-01	-1.41E-05	8.36E-01	1.44E-04	3.00E-01	1.43E-05	-1.49E+00	-4.02E-05
254	373229	755743	Offsite Worker	4.25E+00	9.04E-03	2.95E+00	**1.18E+00**	6.06E-01	4.66E-04	1.29E+01	2.34E-01	2.14E+00	7.65E-05	-1.81E-01	-1.39E-05	8.80E-01	1.52E-04	3.17E-01	1.51E-05	-1.52E+00	-4.12E-05
255	373143	755741	Offsite Worker	4.73E+00	1.01E-02	3.22E+00	**1.29E+00**	7.59E-01	5.84E-04	1.43E+01	2.59E-01	2.34E+00	8.36E-05	-1.78E-01	-1.37E-05	9.60E-01	1.65E-04	3.50E-01	1.66E-05	-1.50E+00	-4.05E-05
256	373143	755823	Offsite Worker	4.39E+00	9.35E-03	3.13E+00	**1.25E+00**	5.98E-01	4.60E-04	1.34E+01	2.44E-01	2.27E+00	8.12E-05	-2.15E-01	-1.66E-05	9.34E-01	1.61E-04	3.35E-01	1.59E-05	-1.68E+00	-4.54E-05
257	373143	755906	Offsite Worker	4.73E+00	1.01E-02	3.45E+00	**1.38E+00**	7.64E-01	5.88E-04	1.46E+01	2.65E-01	2.51E+00	8.97E-05	-2.62E-01	-2.01E-05	1.03E+00	1.78E-04	3.73E-01	1.78E-05	-1.71E+00	-4.61E-05
258	373065	755906	Offsite Worker	4.86E+00	1.03E-02	3.56E+00	**1.42E+00**	5.90E-01	4.54E-04	1.50E+01	2.72E-01	2.58E+00	9.23E-05	-2.73E-01	-2.10E-05	1.06E+00	1.83E-04	3.77E-01	1.80E-05	-2.05E+00	-5.54E-05
259	373065	755827	Offsite Worker	4.45E+00	9.48E-03	3.23E+00	**1.29E+00**	3.56E-01	2.74E-04	1.37E+01	2.49E-01	2.34E+00	8.35E-05	-2.38E-01	-1.83E-05	9.63E-01	1.66E-04	3.35E-01	1.59E-05	-2.11E+00	-5.71E-05
260	373068	755733	Offsite Worker	5.32E+00	1.13E-02	3.47E+00	**1.39E+00**	1.00E+00	7.70E-04	1.59E+01	2.88E-01	2.52E+00	9.01E-05	-1.47E-01	-1.13E-05	1.03E+00	1.78E-04	3.83E-01	1.83E-05	-1.32E+00	-3.58E-05

Table 3-4B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 4, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m³)	acetaldehyde Acute Hazard	acrolein (µg/m³)	acrolein Acute Hazard	benzene (µg/m³)	benzene Acute Hazard	formaldehyde (µg/m³)	formaldehyde Acute Hazard	methyl alcohol (µg/m³)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m³)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m³)	phenol (carbolic acid) Acute Hazard	styrene (µg/m³)	styrene Acute Hazard	toluene (µg/m³)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
261	373007	755733	Offsite Worker	5.53E+00	1.18E-02	3.59E+00	**1.43E+00**	1.06E+00	8.16E-04	1.65E+01	2.99E-01	2.61E+00	9.33E-05	-1.47E-01	-1.13E-05	1.07E+00	1.84E-04	3.97E-01	1.89E-05	-1.33E+00	-3.60E-05
262	372941	755733	Offsite Worker	5.81E+00	1.24E-02	3.73E+00	**1.49E+00**	1.05E+00	8.10E-04	1.73E+01	3.15E-01	2.71E+00	9.69E-05	-1.40E-01	-1.07E-05	1.11E+00	1.91E-04	4.11E-01	1.96E-05	-1.46E+00	-3.95E-05
263	372941	755636	Offsite Worker	5.00E+00	1.06E-02	3.23E+00	**1.29E+00**	1.32E+00	1.02E-03	1.50E+01	2.72E-01	2.36E+00	8.44E-05	-1.29E-01	-9.93E-06	9.63E-01	1.66E-04	3.72E-01	1.77E-05	-6.98E-01	-1.89E-05
264	372941	755539	Offsite Worker	4.40E+00	9.35E-03	2.84E+00	**1.14E+00**	1.09E+00	8.37E-04	1.32E+01	2.39E-01	2.08E+00	7.42E-05	-1.13E-01	-8.72E-06	8.47E-01	1.46E-04	3.24E-01	1.54E-05	-7.26E-01	-1.96E-05
265	372941	755442	Offsite Worker	3.18E+00	6.77E-03	2.19E+00	8.75E-01	8.40E-01	6.46E-04	9.70E+00	1.76E-01	1.60E+00	5.72E-05	-1.29E-01	-9.91E-06	6.54E-01	1.13E-04	2.50E-01	1.19E-05	-5.91E-01	-1.60E-05
266	372913	755342	Offsite Worker	2.05E+00	4.37E-03	1.55E+00	6.21E-01	-1.89E-01	-1.46E-04	6.34E+00	1.15E-01	1.12E+00	3.99E-05	-1.32E-01	-1.02E-05	4.65E-01	8.02E-05	1.46E-01	6.97E-06	-1.66E+00	-4.49E-05
267	372817	755346	Offsite Worker	1.67E+00	3.55E-03	1.36E+00	5.45E-01	-6.73E-01	-5.18E-04	5.32E+00	9.68E-02	9.69E-01	3.46E-05	-1.44E-01	-1.11E-05	4.10E-01	7.07E-05	1.09E-01	5.17E-06	-2.28E+00	-6.16E-05
268	372720	755349	Offsite Worker	1.70E+00	3.61E-03	1.39E+00	5.57E-01	-1.36E+00	-1.05E-03	5.43E+00	9.87E-02	9.71E-01	3.47E-05	-1.49E-01	-1.15E-05	4.19E-01	7.22E-05	8.44E-02	4.02E-06	-3.36E+00	-9.07E-05
269	372624	755352	Offsite Worker	1.61E+00	3.44E-03	1.30E+00	5.20E-01	-1.75E+00	-1.35E-03	5.12E+00	9.32E-02	8.91E-01	3.18E-05	-1.33E-01	-1.02E-05	3.90E-01	6.72E-05	5.96E-02	2.84E-06	-3.86E+00	-1.04E-04
270	372527	755349	Offsite Worker	1.39E+00	2.97E-03	1.18E+00	4.70E-01	-1.82E+00	-1.40E-03	4.39E+00	7.98E-02	8.01E-01	2.86E-05	-1.34E-01	-1.03E-05	3.53E-01	6.09E-05	4.45E-02	2.12E-06	-3.88E+00	-1.05E-04
271	372431	755353	Offsite Worker	1.50E+00	3.18E-03	1.29E+00	5.14E-01	-2.12E+00	-1.63E-03	4.68E+00	8.50E-02	8.73E-01	3.12E-05	-1.52E-01	-1.17E-05	3.86E-01	6.66E-05	4.41E-02	2.10E-06	-4.42E+00	-1.19E-04
272	372334	755356	Offsite Worker	6.82E-01	1.45E-03	8.42E-01	3.37E-01	-1.54E+00	-1.19E-03	2.43E+00	4.42E-02	5.71E-01	2.04E-05	-1.60E-01	-1.23E-05	2.55E-01	4.40E-05	2.28E-02	1.09E-06	-3.19E+00	-8.63E-05
273	372237	755359	Offsite Worker	1.26E+00	2.69E-03	1.13E+00	4.52E-01	-1.48E+00	-1.14E-03	4.02E+00	7.30E-02	7.77E-01	2.78E-05	-1.43E-01	-1.10E-05	3.40E-01	5.86E-05	5.36E-02	2.55E-06	-3.31E+00	-8.95E-05
274	372141	755362	Offsite Worker	7.14E-01	1.52E-03	8.11E-01	3.25E-01	-2.22E-01	-1.71E-04	2.58E+00	4.68E-02	5.84E-01	2.09E-05	-1.42E-01	-1.09E-05	2.45E-01	4.23E-05	7.21E-02	3.43E-06	-1.09E+00	-2.95E-05
275	372044	755366	Offsite Worker	1.59E+00	3.38E-03	1.31E+00	5.23E-01	-3.02E-01	-2.32E-04	5.04E+00	9.16E-02	9.38E-01	3.35E-05	-1.41E-01	-1.08E-05	3.92E-01	6.76E-05	1.18E-01	5.63E-06	-1.60E+00	-4.33E-05
276	371948	755369	Offsite Worker	1.37E+00	2.90E-03	1.22E+00	4.89E-01	-1.61E-02	-1.24E-05	4.48E+00	8.14E-02	8.85E-01	3.16E-05	-1.55E-01	-1.19E-05	3.68E-01	6.34E-05	1.21E-01	5.75E-06	-1.14E+00	-3.08E-05
277	371851	755372	Offsite Worker	1.77E-01	3.78E-04	7.57E-01	3.03E-01	-1.57E+00	-1.20E-03	1.22E+00	2.22E-02	5.13E-01	1.83E-05	-2.32E-01	-1.78E-05	2.33E-01	4.02E-05	1.35E-02	6.45E-07	-3.24E+00	-8.75E-05
278	371755	755375	Offsite Worker	-7.40E-01	-1.57E-03	4.08E-01	1.63E-01	-3.40E+00	-2.62E-03	-1.32E+00	-2.40E-02	2.13E-01	7.61E-06	-2.94E-01	-2.26E-05	1.30E-01	2.25E-05	-9.31E-02	-4.43E-06	-5.77E+00	-1.56E-04
279	371658	755378	Offsite Worker	-1.34E+00	-2.85E-03	1.23E-01	4.92E-02	-4.55E+00	-3.50E-03	-3.07E+00	-5.59E-02	-2.21E-02	-7.91E-07	-3.16E-01	-2.43E-05	4.65E-02	8.01E-06	-1.66E-01	-7.93E-06	-7.32E+00	-1.98E-04
280	371562	755382	Offsite Worker	-1.16E+00	-2.46E-03	2.13E-01	8.54E-02	-3.55E+00	-2.73E-03	-2.47E+00	-4.50E-02	7.08E-02	2.53E-06	-3.11E-01	-2.39E-05	7.37E-02	1.27E-05	-1.18E-01	-5.63E-06	-5.88E+00	-1.59E-04
281	371465	755385	Offsite Worker	7.80E-01	1.66E-03	1.18E+00	4.71E-01	-1.98E+00	-1.53E-03	2.98E+00	5.42E-02	8.04E-01	2.87E-05	-2.58E-01	-1.99E-05	3.58E-01	6.18E-05	3.86E-02	1.84E-06	-4.24E+00	-1.15E-04
282	371368	755388	Offsite Worker	2.39E+00	5.08E-03	1.93E+00	7.73E-01	-8.80E-01	-6.77E-04	7.43E+00	1.35E-01	1.37E+00	4.91E-05	-2.00E-01	-1.54E-05	5.81E-01	1.00E-04	1.57E-01	7.46E-06	-3.12E+00	-8.43E-05
283	371272	755391	Offsite Worker	3.04E+00	6.47E-03	2.31E+00	9.23E-01	2.66E-01	2.05E-04	9.42E+00	1.71E-01	1.68E+00	5.98E-05	-2.00E-01	-1.54E-05	6.91E-01	1.19E-04	2.40E-01	1.14E-05	-1.60E+00	-4.32E-05
284	371175	755395	Offsite Worker	3.56E+00	7.57E-03	2.64E+00	**1.06E+00**	1.28E+00	9.84E-04	1.11E+01	2.01E-01	1.94E+00	6.93E-05	-2.11E-01	-1.62E-05	7.89E-01	1.36E-04	3.13E-01	1.49E-05	-2.76E-01	-7.46E-06
285	371079	755398	Offsite Worker	3.16E+00	6.71E-03	2.36E+00	9.43E-01	1.61E+00	1.24E-03	9.88E+00	1.80E-01	1.75E+00	6.24E-05	-1.93E-01	-1.49E-05	7.05E-01	1.22E-04	2.98E-01	1.42E-05	4.83E-01	1.31E-05
286	371042	755478	Offsite Worker	2.40E+00	5.11E-03	1.96E+00	7.82E-01	1.18E+00	9.11E-04	7.73E+00	1.41E-01	1.45E+00	5.17E-05	-2.04E-01	-1.57E-05	5.87E-01	1.01E-04	2.41E-01	1.15E-05	1.32E-01	3.55E-06
287	371009	755538	Offsite Worker	3.59E+00	7.65E-03	2.61E+00	**1.04E+00**	1.62E+00	1.25E-03	1.11E+01	2.02E-01	1.93E+00	6.89E-05	-1.94E-01	-1.49E-05	7.80E-01	1.35E-04	3.23E-01	1.54E-05	2.86E-01	7.73E-06
288	370975	755597	Offsite Worker	2.40E+00	5.11E-03	1.91E+00	7.63E-01	1.90E+00	1.46E-03	7.74E+00	1.41E-01	1.43E+00	5.12E-05	-1.87E-01	-1.44E-05	5.73E-01	9.87E-05	2.65E-01	1.26E-05	1.25E+00	3.39E-05
289	370925	755597	Offsite Worker	2.34E+00	4.97E-03	1.91E+00	7.64E-01	1.34E+00	1.03E-03	7.55E+00	1.37E-01	1.42E+00	5.07E-05	-2.01E-01	-1.55E-05	5.73E-01	9.88E-05	2.43E-01	1.16E-05	4.01E-01	1.08E-05
290	370860	755547	Offsite Worker	1.05E+00	2.23E-03	1.44E+00	5.78E-01	-2.15E+00	-1.66E-03	3.91E+00	7.12E-02	9.91E-01	3.54E-05	-2.98E-01	-2.29E-05	4.37E-01	7.53E-05	5.93E-02	2.83E-06	-4.62E+00	-1.25E-04
291	370796	755497	Offsite Worker	3.55E+00	7.56E-03	2.68E+00	**1.07E+00**	2.46E-01	1.89E-04	1.10E+01	2.00E-01	1.94E+00	6.95E-05	-2.29E-01	-1.76E-05	8.03E-01	1.38E-04	2.76E-01	1.32E-05	-1.91E+00	-5.16E-05
292	370733	755428	Offsite Worker	2.49E+00	5.29E-03	2.18E+00	8.73E-01	-3.95E-01	-3.04E-04	8.05E+00	1.46E-01	1.57E+00	5.61E-05	-2.68E-01	-2.06E-05	6.56E-01	1.13E-04	2.02E-01	9.60E-06	-2.55E+00	-6.88E-05
293	370634	755428	Offsite Worker	2.10E+00	4.48E-03	2.03E+00	8.14E-01	7.33E-01	5.64E-04	7.17E+00	1.30E-01	1.50E+00	5.34E-05	-2.92E-01	-2.25E-05	6.13E-01	1.06E-04	2.31E-01	1.10E-05	-7.11E-01	-1.92E-05
294	370536	755428	Offsite Worker	7.35E+00	1.56E-02	4.85E+00	**1.94E+00**	1.43E+00	1.10E-03	2.19E+01	3.98E-01	3.53E+00	1.26E-04	-2.24E-01	-1.73E-05	1.44E+00	2.49E-04	5.37E-01	2.56E-05	-1.82E+00	-4.93E-05
295	370437	755428	Offsite Worker	9.47E+00	2.02E-02	6.02E+00	**2.41E+00**	2.48E+00	1.91E-03	2.80E+01	5.09E-01	4.41E+00	1.57E-04	-2.10E-01	-1.62E-05	1.79E+00	3.09E-04	6.96E-01	3.31E-05	-1.12E+00	-3.04E-05
296	370338	755427	Offsite Worker	1.02E+01	2.17E-02	6.51E+00	**2.60E+00**	2.14E+00	1.65E-03	3.01E+01	5.48E-01	4.75E+00	1.70E-04	-2.32E-01	-1.79E-05	1.94E+00	3.34E-04	7.30E-01	3.48E-05	-2.04E+00	-5.50E-05
307	369249	755442	Offsite Worker	5.18E+00	1.10E-02	3.73E+00	**1.49E+00**	8.93E-01	6.87E-04	1.58E+01	2.88E-01	2.72E+00	9.70E-05	-2.67E-01	-2.06E-05	1.11E+00	1.92E-04	4.05E-01	1.93E-05	-1.77E+00	-4.79E-05
308	369151	755442	Offsite Worker	4.40E+00	9.36E-03	3.35E+00	**1.34E+00**	8.42E-01	6.48E-04	1.37E+01	2.49E-01	2.44E+00	8.73E-05	-2.92E-01	-2.25E-05	1.00E+00	1.73E-04	3.66E-01	1.74E-05	-1.59E+00	-4.30E-05
309	369052	755442	Offsite Worker	3.02E+00	6.42E-03	2.59E+00	**1.04E+00**	6.83E-01	5.25E-04	9.81E+00	1.78E-01	1.90E+00	6.78E-05	-3.05E-01	-2.35E-05	7.80E-01	1.34E-04	2.85E-01	1.36E-05	-1.26E+00	-3.41E-05
320	368035	755402	Offsite Worker	5.35E+00	1.14E-02	3.60E+00	**1.44E+00**	1.84E+00	1.42E-03	1.61E+01	2.93E-01	2.65E+00	9.46E-05	-1.89E-01	-1.45E-05	1.08E+00	1.85E-04	4.30E-01	2.05E-05	-1.86E-01	-5.03E-06
321	367960	755389	Offsite Worker	5.08E+00	1.08E-02	3.44E+00	**1.38E+00**	1.79E+00	1.37E-03	1.53E+01	2.79E-01	2.53E+00	9.04E-05	-1.87E-01	-1.44E-05	1.03E+00	1.77E-04	4.12E-01	1.96E-05	-1.54E-01	-4.16E-06
322	367863	755390	Offsite Worker	4.63E+00	9.86E-03	3.23E+00	**1.29E+00**	1.75E+00	1.34E-03	1.41E+01	2.57E-01	2.38E+00	8.51E-05	-2.04E-01	-1.57E-05	9.66E-01	1.67E-04	3.90E-01	1.86E-05	-5.72E-02	-1.55E-06
323	367766	755392	Offsite Worker	4.18E+00	8.90E-03	2.97E+00	**1.19E+00**	1.74E+00	1.34E-03	1.28E+01	2.34E-01	2.19E+00	7.83E-05	-2.02E-01	-1.56E-05	8.88E-01	1.53E-04	3.64E-01	1.73E-05	1.43E-01	3.86E-06
324	367669	755393	Offsite Worker	3.52E+00	7.49E-03	2.63E+00	**1.05E+00**	1.19E+00	9.12E-04	1.10E+01	1.99E-01	1.93E+00	6.90E-05	-2.15E-01	-1.66E-05	7.87E-01	1.36E-04	3.08E-01	1.47E-05	-4.51E-01	-1.22E-05
325	367572	755394	Offsite Worker	2.96E+00	6.30E-03	2.32E+00	9.27E-01	6.31E-01	4.86E-04	9.33E+00	1.70E-01	1.69E+00	6.05E-05	-2.18E-01	-1.68E-05	6.95E-01	1.20E-04	2.55E-01	1.21E-05	-1.06E+00	-2.86E-05
326	367475	755395	Offsite Worker	2.43E+00	5.16E-03	1.98E+00	7.92E-01	1.80E-01	1.39E-04	7.72E+00	1.40E-01	1.44E+00	5.14E-05	-2.08E-01	-1.60E-05	5.94E-01	1.02E-04	2.04E-01	9.70E-06	-1.47E+00	-3.98E-05
327	370400	756850	On-Site Occupational	-1.57E+00	-3.34E-03	2.42E+00	9.68E-01	-5.90E+00	-4.54E-03	-4.50E-01	-8.18E-03	1.63E+00	5.81E-05	-1.17E+00	-9.01E-05	7.50E-01	1.29E-04	1.25E-02	5.96E-07	-1.15E+01	-3.11E-04
1	367379	755396	Recreational	1.91E+00	4.07E-03	1.72E+00	6.89E-01	-1.06E-01	-8.12E-05	6.28E+00	1.14E-01	1.25E+00	4.45E-05	-2.22E-01	-1.71E-05	5.19E-01	8.94E-05	1.67E-01	7.96E-06	-1.71E+00	-4.63E-05
2	367340	755485	Recreational	1.25E+00	2.66E-03	1.37E+00	5.48E-01	-9.28E-02	-7.14E-05	4.44E+00	8.08E-02	9.95E-01	3.55E-05	-2.32E-01	-1.78E-05	4.15E-01	7.15E-05	1.33E-01	6.33E-06	-1.42E+00	-3.84E-05
3	367301	755573	Recreational	1.32E+00	2.82E-03	1.34E+00	5.35E-01	-6.47E-01	-4.98E-04	4.50E+00	8.19E-02	9.54E-01	3.41E-05	-2.05E-01	-1.58E-05	4.04E-01	6.97E-05	1.08E-01	5.12E-06	-2.24E+00	-6.04E-05
4	367263	755661	Recreational	1.74E+00	3.70E-03	1.53E+00	6.13E-01	-9.26E-01	-7.12E-04	5.60E+00	1.02E-01	1.08E+00	3.87E-05	-1.90E-01	-1.46E-05	4.61E-01	7.95E-05	1.16E-01	5.51E-06	-2.81E+00	-7.61E-05
5	367224	755749	Recreational	1.53E+00	3.26E-03	1.47E+00	5.90E-01	-1.92E-01	-1.48E-04	5.17E+00	9.40E-02	1.07E+00	3.80E-05	-2.11E-01	-1.62E-05	4.45E-01	7.67E-05	1.39E-01	6.61E-06	-1.67E+00	-4.52E-05
6	367186	755838	Recreational	1.82E+00	3.86E-03	1.63E+00	6.51E-01	8.34E-01	6.42E-04	6.07E+00	1.10E-01	1.21E+00	4.30E-05	-2.08E-01	-1.60E-05	4.91E-01	8.47E-05	1.95E-01	9.27E-06	-2.32E-01	-6.26E-06
7	367147	755926	Recreational	2.80E+00	5.95E-03	2.13E+00	8.51E-01	1.55E+00	1.19E-03	8.86E+00	1.61E-01	1.58E+00	5.64E-05	-1.84E-01	-1.42E-05	6.38E-01	1.10E-04	2.72E-01	1.30E-05	5.28E-01	1.43E-05
8	367109	756014	Recreational	3.72E+00	7.91E-03	2.57E+00	**1.03E+00**	1.93E+00	1.48E-03	1.14E+01	2.07E-01	1.91E+00	6.82E-05	-1.57E-01	-1.20E-05	7.69E-01	1.33E-04	3.32E-01	1.58E-05	7.86E-01	2.12E-05
9	367070	756103	Recreational	4.20E+00	8.94E-03	2.74E+00	**1.10E+00**	2.85E+00	2.20E-03	1.27E+01	2.31E-01	2.05E+00	7.34E-05	-1.17E-01	-8.98E-06	8.18E-01	1.41E-04	3.84E-01	1.83E-05	2.08E+00	5.63E-05
10	367032	756191	Recreational	3.62E+00	7.69E-03	2.47E+00	9.88E-01	2.74E+00	2.10E-03	1.11E+01	2.02E-01	1.86E+00	6.64E-05	-1.40E-01	-1.08E-05	7.39E-01	1.27E-04	3.53E-01	1.68E-05	2.07E+00	5.59E-05
11	366993	756279	Recreational	3.12E+00	6.64E-03	2.27E+00	9.08E-01	1.65E+00	1.27E-03	9.69E+00	1.76E-01	1.69E+00	6.02E-05	-1.70E-01	-1.30E-05	6.80E-01	1.17E-04	2.90E-01	1.38E-05	5.14E-01	1.39E-05
12	366954	756367	Recreational	3.99E+00	8.49E-03	2.76E+00	**1.10E+00**	1.48E+00	1.14E-03	1.21E+01	2.20E-01	2.03E+00	7.26E-05	-1.67E-01	-1.29E-05	8.26E-01	1.42E-04	3.32E-01	1.58E-05	-1.22E-01	-3.30E-06
13	366916	756456	Recreational	4.70E+00	1.00E-02	3.09E+00	**1.24E+00**	2.24E+00	1.72E-03	1.41E+01	2.57E-01	2.29E+00	8.19E-05	-1.41E-01	-1.08E-05	9.24E-01	1.59E-04	3.95E-01	1.88E-05	8.06E-01	2.18E-05
14	366877	756544	Recreational	4.41E+00	9.38E-03	2.92E+00	**1.17E+00**	2.32E+00	1.79E-03	1.33E+01	2.42E-01	2.17E+00	7.75E-05	-1.39E-01	-1.07E-05	8.72E-01	1.50E-04	3.81E-01	1.81E-05	1.07E+00	2.88E-05
15	366839	756632	Recreational	3.83E+00	8.14E-03	2.61E+00	**1.05E+00**	1.70E+00	1.31E-03	1.16E+01	2.11E-01	1.93E+00	6.91E-05	-1.48E-01	-1.14E-05	7.81E-01	1.35E-04	3.26E-01	1.55E-05	3.69E-01	9.96E-06
16	366800	756720	Recreational	3.22E+00	6.86E-03	2.28E+00	9.13E-01	1.43E+00	1.10E-03	9.88E+00	1.80E-01	1.69E+00	6.03E-05	-1.54E-01	-1.18E-05	6.84E-01	1.18E-04	2.83E-01	1.35E-05	1.95E-01	5.27E-06
17	366762	756809	Recreational	2.91E+00	6.18E-03	2.08E+00	8.33E-01	1.25E+00	9.60E-04	8.94E+00	1.62E-01	1.54E+00	5.50E-05	-1.48E-01	-1.14E-05	6.25E-01	1.08E-04	2.56E-01	1.22E-05	6.16E-02	1.67E-06
18	366723	756897	Recreational	2.78E+00	5.91E-03	2.04E+00	8.18E-01	1.25E+00	9.58E-04	8.62E+00	1.57E-01	1.51E+00	5.40E-05	-1.60E-01	-1.23E-05	6.13E-01	1.06E-04	2.52E-01	1.20E-05	1.20E-01	3.24E-06

Table 3-4B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 4, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m³)	acetaldehyde Acute Hazard	acrolein (µg/m³)	acrolein Acute Hazard	benzene (µg/m³)	benzene Acute Hazard	formaldehyde (µg/m³)	formaldehyde Acute Hazard	methyl alcohol (µg/m³)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m³)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m³)	phenol (carbolic acid) Acute Hazard	styrene (µg/m³)	styrene Acute Hazard	toluene (µg/m³)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
19	366685	756985	Recreational	3.07E+00	6.53E-03	2.21E+00	8.83E-01	1.22E+00	9.41E-04	9.44E+00	1.72E-01	1.63E+00	5.82E-05	-1.59E-01	-1.22E-05	6.62E-01	1.14E-04	2.67E-01	1.27E-05	-6.03E-02	-1.63E-06
20	366646	757074	Recreational	3.00E+00	6.39E-03	2.15E+00	8.61E-01	1.30E+00	9.96E-04	9.22E+00	1.68E-01	1.59E+00	5.68E-05	-1.52E-01	-1.17E-05	6.45E-01	1.11E-04	2.64E-01	1.26E-05	7.41E-02	2.00E-06
21	366607	757162	Recreational	3.05E+00	6.49E-03	2.13E+00	8.52E-01	1.28E+00	9.88E-04	9.29E+00	1.69E-01	1.57E+00	5.62E-05	-1.35E-01	-1.04E-05	6.38E-01	1.10E-04	2.62E-01	1.25E-05	9.62E-02	2.60E-06
22	366569	757250	Recreational	3.18E+00	6.78E-03	2.12E+00	8.47E-01	1.19E+00	9.15E-04	9.55E+00	1.74E-01	1.56E+00	5.57E-05	-1.04E-01	-7.97E-06	6.33E-01	1.09E-04	2.57E-01	1.22E-05	4.33E-03	1.17E-07
23	366530	757338	Recreational	3.18E+00	6.77E-03	2.14E+00	8.55E-01	1.01E+00	7.78E-04	9.55E+00	1.74E-01	1.57E+00	5.61E-05	-1.11E-01	-8.55E-06	6.39E-01	1.10E-04	2.52E-01	1.20E-05	-2.95E-01	-7.97E-06
24	366492	757427	Recreational	3.02E+00	6.42E-03	2.07E+00	8.27E-01	1.22E+00	9.42E-04	9.14E+00	1.66E-01	1.53E+00	5.45E-05	-1.19E-01	-9.19E-06	6.19E-01	1.07E-04	2.53E-01	1.21E-05	7.36E-02	1.99E-06
25	366453	757515	Recreational	2.78E+00	5.92E-03	1.94E+00	7.75E-01	1.34E+00	1.03E-03	8.49E+00	1.54E-01	1.44E+00	5.13E-05	-1.21E-01	-9.29E-06	5.80E-01	1.00E-04	2.45E-01	1.17E-05	3.66E-01	9.89E-06
26	366415	757603	Recreational	2.62E+00	5.58E-03	1.84E+00	7.35E-01	1.35E+00	1.04E-03	8.02E+00	1.46E-01	1.37E+00	4.88E-05	-1.18E-01	-9.10E-06	5.50E-01	9.49E-05	2.35E-01	1.12E-05	4.55E-01	1.23E-05
27	366376	757692	Recreational	2.47E+00	5.25E-03	1.77E+00	7.08E-01	1.29E+00	9.89E-04	7.60E+00	1.38E-01	1.32E+00	4.70E-05	-1.26E-01	-9.72E-06	5.31E-01	9.15E-05	2.26E-01	1.08E-05	4.10E-01	1.11E-05
84	369336	758100	Recreational	5.40E+00	1.15E-02	3.61E+00	**1.44E+00**	1.90E+00	1.46E-03	1.62E+01	2.95E-01	2.66E+00	9.49E-05	-1.82E-01	-1.40E-05	1.08E+00	1.86E-04	4.33E-01	2.06E-05	-9.72E-02	-2.63E-06
85	369269	758170	Recreational	6.67E+00	1.42E-02	4.33E+00	**1.73E+00**	2.36E+00	1.82E-03	1.99E+01	3.61E-01	3.18E+00	1.14E-04	-1.78E-01	-1.37E-05	1.29E+00	2.22E-04	5.22E-01	2.49E-05	4.14E-02	1.12E-06
86	369202	758239	Recreational	6.99E+00	1.49E-02	4.54E+00	**1.81E+00**	2.38E+00	1.83E-03	2.08E+01	3.79E-01	3.33E+00	1.19E-04	-1.86E-01	-1.43E-05	1.35E+00	2.33E-04	5.44E-01	2.59E-05	-1.05E-01	-2.84E-06
87	369264	758285	Recreational	5.89E+00	1.25E-02	3.88E+00	**1.55E+00**	2.08E+00	1.60E-03	1.76E+01	3.20E-01	2.85E+00	1.02E-04	-1.78E-01	-1.37E-05	1.16E+00	1.99E-04	4.67E-01	2.22E-05	-2.34E-02	-6.33E-07
88	369326	758330	Recreational	4.50E+00	9.58E-03	3.03E+00	**1.21E+00**	1.81E+00	1.39E-03	1.36E+01	2.47E-01	2.23E+00	7.97E-05	-1.58E-01	-1.21E-05	9.03E-01	1.56E-04	3.72E-01	1.77E-05	2.63E-01	7.11E-06
89	369389	758376	Recreational	2.81E+00	5.97E-03	2.06E+00	8.23E-01	1.05E+00	8.11E-04	8.69E+00	1.58E-01	1.51E+00	5.41E-05	-1.58E-01	-1.22E-05	6.15E-01	1.06E-04	2.46E-01	1.17E-05	-1.31E-01	-3.55E-06
90	369389	758462	Recreational	2.33E+00	4.95E-03	1.80E+00	7.19E-01	7.36E-01	5.66E-04	7.31E+00	1.33E-01	1.32E+00	4.71E-05	-1.63E-01	-1.26E-05	5.38E-01	9.28E-05	2.08E-01	9.88E-06	-4.25E-01	-1.15E-05
91	369389	758548	Recreational	1.90E+00	4.05E-03	1.57E+00	6.28E-01	4.46E-01	3.43E-04	6.09E+00	1.11E-01	1.15E+00	4.10E-05	-1.69E-01	-1.30E-05	4.71E-01	8.13E-05	1.74E-01	8.27E-06	-6.98E-01	-1.89E-05
28	366338	757780	Residential	2.39E+00	5.08E-03	1.72E+00	6.90E-01	1.17E+00	9.02E-04	7.36E+00	1.34E-01	1.28E+00	4.57E-05	-1.26E-01	-9.68E-06	5.17E-01	8.92E-05	2.17E-01	1.03E-05	2.57E-01	6.94E-06
29	366402	757746	Residential	2.41E+00	5.12E-03	1.74E+00	6.98E-01	1.20E+00	9.26E-04	7.44E+00	1.35E-01	1.29E+00	4.62E-05	-1.29E-01	-9.90E-06	5.23E-01	9.02E-05	2.20E-01	1.05E-05	2.89E-01	7.82E-06
30	366467	757713	Residential	2.43E+00	5.17E-03	1.76E+00	7.06E-01	1.23E+00	9.48E-04	7.51E+00	1.36E-01	1.31E+00	4.68E-05	-1.31E-01	-1.01E-05	5.29E-01	9.12E-05	2.23E-01	1.06E-05	3.19E-01	8.63E-06
31	366531	757679	Residential	2.45E+00	5.21E-03	1.78E+00	7.13E-01	1.26E+00	9.72E-04	7.58E+00	1.38E-01	1.32E+00	4.73E-05	-1.34E-01	-1.03E-05	5.35E-01	9.22E-05	2.27E-01	1.08E-05	3.53E-01	9.54E-06
32	366567	757773	Residential	2.45E+00	5.22E-03	1.78E+00	7.12E-01	1.12E+00	8.64E-04	7.56E+00	1.37E-01	1.32E+00	4.71E-05	-1.32E-01	-1.02E-05	5.34E-01	9.20E-05	2.21E-01	1.05E-05	1.27E-01	3.43E-06
33	366625	757758	Residential	2.47E+00	5.26E-03	1.80E+00	7.19E-01	1.13E+00	8.70E-04	7.63E+00	1.39E-01	1.33E+00	4.76E-05	-1.35E-01	-1.04E-05	5.40E-01	9.30E-05	2.23E-01	1.06E-05	1.21E-01	3.27E-06
34	366682	757744	Residential	2.49E+00	5.31E-03	1.82E+00	7.27E-01	1.14E+00	8.76E-04	7.70E+00	1.40E-01	1.35E+00	4.81E-05	-1.37E-01	-1.06E-05	5.46E-01	9.41E-05	2.25E-01	1.07E-05	1.13E-01	3.06E-06
35	366768	757788	Residential	2.48E+00	5.27E-03	1.85E+00	7.42E-01	8.61E-01	6.62E-04	7.70E+00	1.40E-01	1.36E+00	4.87E-05	-1.53E-01	-1.18E-05	5.56E-01	9.59E-05	2.18E-01	1.04E-05	-3.29E-01	-8.88E-06
36	366854	757833	Residential	2.49E+00	5.31E-03	1.89E+00	7.54E-01	4.57E-01	3.51E-04	7.73E+00	1.41E-01	1.38E+00	4.92E-05	-1.61E-01	-1.24E-05	5.66E-01	9.76E-05	2.05E-01	9.76E-06	-9.87E-01	-2.67E-05
37	366941	757877	Residential	2.30E+00	4.89E-03	1.76E+00	7.04E-01	2.99E-01	2.30E-04	7.14E+00	1.30E-01	1.28E+00	4.58E-05	-1.57E-01	-1.21E-05	5.29E-01	9.12E-05	1.86E-01	8.87E-06	-1.14E+00	-3.08E-05
38	367027	757922	Residential	1.97E+00	4.20E-03	1.56E+00	6.23E-01	4.15E-01	3.19E-04	6.20E+00	1.13E-01	1.14E+00	4.07E-05	-1.50E-01	-1.16E-05	4.68E-01	8.07E-05	1.71E-01	8.12E-06	-7.93E-01	-2.14E-05
39	367113	757966	Residential	2.13E+00	4.54E-03	1.60E+00	6.38E-01	9.61E-01	7.39E-04	6.64E+00	1.21E-01	1.18E+00	4.22E-05	-1.32E-01	-1.01E-05	4.79E-01	8.26E-05	1.96E-01	9.34E-06	3.66E-02	9.89E-07
40	367192	757916	Residential	2.17E+00	4.61E-03	1.64E+00	6.57E-01	8.79E-01	6.76E-04	6.77E+00	1.23E-01	1.21E+00	4.33E-05	-1.42E-01	-1.09E-05	4.94E-01	8.51E-05	1.97E-01	9.40E-06	-1.46E-01	-3.95E-06
41	367264	757916	Residential	2.38E+00	5.06E-03	1.75E+00	7.01E-01	1.07E+00	8.23E-04	7.37E+00	1.34E-01	1.30E+00	4.64E-05	-1.38E-01	-1.07E-05	5.26E-01	9.07E-05	2.16E-01	1.03E-05	6.99E-02	1.89E-06
42	367335	757916	Residential	2.55E+00	5.42E-03	1.85E+00	7.41E-01	1.26E+00	9.68E-04	7.88E+00	1.43E-01	1.37E+00	4.91E-05	-1.39E-01	-1.07E-05	5.56E-01	9.58E-05	2.33E-01	1.11E-05	2.90E-01	7.85E-06
43	367343	757966	Residential	2.70E+00	5.74E-03	1.93E+00	7.72E-01	1.67E+00	1.29E-03	8.34E+00	1.52E-01	1.44E+00	5.14E-05	-1.35E-01	-1.04E-05	5.78E-01	9.96E-05	2.57E-01	1.23E-05	8.92E-01	2.41E-05
44	367404	757995	Residential	2.64E+00	5.62E-03	1.91E+00	7.64E-01	1.86E+00	1.43E-03	8.22E+00	1.49E-01	1.43E+00	5.11E-05	-1.40E-01	-1.07E-05	5.72E-01	9.86E-05	2.63E-01	1.25E-05	1.20E+00	3.23E-05
45	367465	758024	Residential	2.61E+00	5.54E-03	1.95E+00	7.80E-01	1.47E+00	1.13E-03	8.15E+00	1.48E-01	1.45E+00	5.18E-05	-1.61E-01	-1.24E-05	5.85E-01	1.01E-04	2.51E-01	1.20E-05	5.26E-01	1.42E-05
55	367673	758189	Residential	3.44E+00	7.32E-03	2.48E+00	9.94E-01	1.28E+00	9.82E-04	1.06E+01	1.92E-01	1.83E+00	6.54E-05	-1.81E-01	-1.39E-05	7.44E-01	1.28E-04	2.97E-01	1.41E-05	-2.07E-01	-5.61E-06
59	367816	758096	Residential	3.52E+00	7.48E-03	2.55E+00	**1.02E+00**	1.34E+00	1.03E-03	1.08E+01	1.97E-01	1.88E+00	6.71E-05	-1.89E-01	-1.45E-05	7.64E-01	1.32E-04	3.06E-01	1.45E-05	-1.83E-01	-4.95E-06
60	367898	758066	Residential	3.61E+00	7.68E-03	2.64E+00	**1.06E+00**	1.36E+00	1.05E-03	1.11E+01	2.03E-01	1.95E+00	6.95E-05	-2.02E-01	-1.55E-05	7.91E-01	1.36E-04	3.16E-01	1.50E-05	-2.19E-01	-5.93E-06
61	367980	758035	Residential	3.71E+00	7.89E-03	2.73E+00	**1.09E+00**	1.31E+00	1.01E-03	1.15E+01	2.09E-01	2.01E+00	7.19E-05	-2.15E-01	-1.65E-05	8.19E-01	1.41E-04	3.23E-01	1.54E-05	-3.68E-01	-9.94E-06
62	368062	758005	Residential	3.84E+00	8.18E-03	2.85E+00	**1.14E+00**	1.20E+00	9.26E-04	1.19E+01	2.16E-01	2.09E+00	7.48E-05	-2.29E-01	-1.76E-05	8.54E-01	1.47E-04	3.31E-01	1.57E-05	-6.31E-01	-1.70E-05
63	368144	757975	Residential	4.09E+00	8.71E-03	3.03E+00	**1.21E+00**	1.01E+00	7.76E-04	1.26E+01	2.30E-01	2.22E+00	7.92E-05	-2.41E-01	-1.86E-05	9.07E-01	1.56E-04	3.41E-01	1.62E-05	-1.07E+00	-2.89E-05
64	368226	757945	Residential	4.41E+00	9.38E-03	3.25E+00	**1.30E+00**	8.56E-01	6.58E-04	1.36E+01	2.47E-01	2.37E+00	8.47E-05	-2.56E-01	-1.97E-05	9.72E-01	1.68E-04	3.56E-01	1.70E-05	-1.48E+00	-3.99E-05
65	368301	757943	Residential	5.23E+00	1.11E-02	3.76E+00	**1.51E+00**	1.19E+00	9.13E-04	1.60E+01	2.91E-01	2.75E+00	9.82E-05	-2.70E-01	-2.08E-05	1.13E+00	1.94E-04	4.21E-01	2.00E-05	-1.38E+00	-3.74E-05
66	368376	757941	Residential	6.66E+00	1.42E-02	4.59E+00	**1.84E+00**	1.95E+00	1.50E-03	2.02E+01	3.67E-01	3.37E+00	1.20E-04	-2.74E-01	-2.10E-05	1.37E+00	2.36E-04	5.33E-01	2.54E-05	-8.75E-01	-2.37E-05
67	368452	757940	Residential	8.33E+00	1.77E-02	5.47E+00	**2.19E+00**	3.13E+00	2.41E-03	2.49E+01	4.53E-01	4.03E+00	1.44E-04	-2.48E-01	-1.91E-05	1.63E+00	2.81E-04	6.67E-01	3.18E-05	2.64E-01	7.13E-06
68	368527	757938	Residential	9.29E+00	1.98E-02	6.08E+00	**2.43E+00**	3.37E+00	2.59E-03	2.77E+01	5.05E-01	4.47E+00	1.60E-04	-2.66E-01	-2.05E-05	1.81E+00	3.12E-04	7.36E-01	3.51E-05	1.34E-01	3.63E-06
69	368563	757880	Residential	9.79E+00	2.08E-02	6.38E+00	**2.55E+00**	3.69E+00	2.83E-03	2.92E+01	5.31E-01	4.70E+00	1.68E-04	-2.70E-01	-2.08E-05	1.90E+00	3.28E-04	7.78E-01	3.71E-05	3.78E-01	1.02E-05
70	368636	757926	Residential	9.45E+00	2.01E-02	6.18E+00	**2.47E+00**	3.16E+00	2.43E-03	2.82E+01	5.13E-01	4.54E+00	1.62E-04	-2.69E-01	-2.07E-05	1.84E+00	3.18E-04	7.38E-01	3.51E-05	-2.90E-01	-7.84E-06
71	368709	757971	Residential	7.22E+00	1.54E-02	4.90E+00	**1.96E+00**	4.18E-01	3.21E-04	2.16E+01	3.92E-01	3.55E+00	1.27E-04	-2.69E-01	-2.07E-05	1.46E+00	2.52E-04	5.03E-01	2.39E-05	-3.50E+00	-9.45E-05
72	368782	758017	Residential	5.29E+00	1.12E-02	3.81E+00	**1.53E+00**	-7.66E-01	-5.89E-04	1.60E+01	2.91E-01	2.73E+00	9.76E-05	-2.78E-01	-2.13E-05	1.14E+00	1.97E-04	3.48E-01	1.66E-05	-4.45E+00	-1.20E-04
73	368855	758062	Residential	6.78E+00	1.44E-02	4.56E+00	**1.82E+00**	2.25E+00	1.73E-03	2.04E+01	3.71E-01	3.35E+00	1.20E-04	-2.38E-01	-1.83E-05	1.36E+00	2.34E-04	5.41E-01	2.58E-05	-3.52E-01	-9.52E-06
74	368928	758108	Residential	1.01E+01	2.14E-02	6.33E+00	**2.53E+00**	3.61E+00	2.77E-03	2.97E+01	5.40E-01	4.66E+00	1.66E-04	-2.01E-01	-1.55E-05	1.88E+00	3.25E-04	7.70E-01	3.67E-05	3.60E-01	9.72E-06
75	369001	758153	Residential	1.05E+01	2.24E-02	6.57E+00	**2.63E+00**	3.97E+00	3.06E-03	3.10E+01	5.64E-01	4.84E+00	1.73E-04	-1.90E-01	-1.46E-05	1.95E+00	3.37E-04	8.08E-01	3.85E-05	7.35E-01	1.99E-05
76	369058	758074	Residential	1.08E+01	2.30E-02	6.77E+00	**2.71E+00**	4.07E+00	3.13E-03	3.19E+01	5.79E-01	4.99E+00	1.78E-04	-2.06E-01	-1.59E-05	2.01E+00	3.47E-04	8.32E-01	3.96E-05	7.15E-01	1.93E-05
77	369102	758103	Residential	9.67E+00	2.06E-02	6.14E+00	**2.45E+00**	3.38E+00	2.60E-03	2.86E+01	5.20E-01	4.51E+00	1.61E-04	-2.10E-01	-1.62E-05	1.83E+00	3.15E-04	7.42E-01	3.53E-05	1.47E-01	3.97E-06
78	369145	758132	Residential	8.53E+00	1.82E-02	5.47E+00	**2.19E+00**	2.78E+00	2.14E-03	2.53E+01	4.60E-01	4.02E+00	1.44E-04	-2.06E-01	-1.58E-05	1.63E+00	2.81E-04	6.53E-01	3.11E-05	-2.53E-01	-6.85E-06
79	369200	758065	Residential	8.26E+00	1.76E-02	5.37E+00	**2.15E+00**	2.54E+00	1.96E-03	2.46E+01	4.47E-01	3.94E+00	1.41E-04	-2.25E-01	-1.73E-05	1.60E+00	2.76E-04	6.33E-01	3.01E-05	-5.47E-01	-1.48E-05
80	369255	757998	Residential	7.66E+00	1.63E-02	5.09E+00	**2.03E+00**	2.26E+00	1.74E-03	2.29E+01	4.17E-01	3.73E+00	1.33E-04	-2.45E-01	-1.88E-05	1.52E+00	2.61E-04	5.94E-01	2.83E-05	-7.65E-01	-2.07E-05
81	369310	757931	Residential	7.03E+00	1.50E-02	4.72E+00	**1.89E+00**	1.80E+00	1.39E-03	2.11E+01	3.83E-01	3.45E+00	1.23E-04	-2.44E-01	-1.87E-05	1.41E+00	2.43E-04	5.39E-01	2.57E-05	-1.18E+00	-3.18E-05
82	369356	757981	Residential	5.84E+00	1.24E-02	3.85E+00	**1.54E+00**	1.96E+00	1.51E-03	1.75E+01	3.18E-01	2.83E+00	1.01E-04	-1.77E-01	-1.36E-05	1.15E+00	1.98E-04	4.60E-01	2.19E-05	-2.00E-01	-5.41E-06
83	369403	758031	Residential	4.45E+00	9.46E-03	3.02E+00	**1.21E+00**	1.92E+00	1.48E-03	1.35E+01	2.45E-01	2.23E+00	7.97E-05	-1.66E-01	-1.28E-05	9.02E-01	1.55E-04	3.76E-01	1.79E-05	4.21E-01	1.14E-05
92	369389	758634	Residential	1.62E+00	3.44E-03	1.41E+00	5.64E-01	1.02E-01	7.82E-05	5.26E+00	9.56E-02	1.03E+00	3.66E-05	-1.71E-01	-1.31E-05	4.24E-01	7.32E-05	1.44E-01	6.87E-06	-1.10E+00	-2.98E-05
93	369469	758630	Residential	-5.48E-01	-1.17E-03	2.76E-01	1.10E-01	-1.15E+00	-8.86E-04	-8.85E-01	-1.61E-02	1.77E-01	6.34E-06	-2.08E-01	-1.60E-05	8.92E-02	1.54E-05	-1.77E-02	-8.40E-07	-2.17E+00	-5.86E-05
94	369549	758625	Residential	-2.64E-01	-5.62E-04	4.36E-01	1.75E-01	-1.24E+00	-9.56E-04	-9.32E-02	-1.70E-03	2.90E-01	1.04E-05	-2.08E-01	-1.60E-05	1.37E-01	2.36E-05	-5.37E-03	-2.56E-07	-2.45E+00	-6.61E-05
95	369630	758621	Residential	1.77E+00	3.77E-03	1.57E+00	6.27E-01	-1.47E-01	-1.13E-04	5.75E+00	1.05E-01	1.13E+00	4.04E-05	-1.95E-01	-1.50E-05	4.72E-01	8.13E-05	1.50E-01	7.13E-06	-1.65E+00	-4.47E-05

Table 3-4B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 4, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m³)	acetaldehyde Acute Hazard	acrolein (µg/m³)	acrolein Acute Hazard	benzene (µg/m³)	benzene Acute Hazard	formaldehyde (µg/m³)	formaldehyde Acute Hazard	methyl alcohol (µg/m³)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m³)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m³)	phenol (carbolic acid) Acute Hazard	styrene (µg/m³)	styrene Acute Hazard	toluene (µg/m³)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
96	369710	758617	Residential	3.15E+00	6.70E-03	2.24E+00	8.96E-01	1.27E+00	9.74E-04	9.66E+00	1.76E-01	1.65E+00	5.90E-05	-1.54E-01	-1.19E-05	6.70E-01	1.16E-04	2.72E-01	1.30E-05	2.87E-02	7.75E-07
97	369791	758613	Residential	3.00E+00	6.37E-03	2.08E+00	8.32E-01	1.68E+00	1.29E-03	9.17E+00	1.67E-01	1.55E+00	5.52E-05	-1.28E-01	-9.81E-06	6.21E-01	1.07E-04	2.73E-01	1.30E-05	8.28E-01	2.24E-05
98	369791	758514	Residential	3.12E+00	6.63E-03	2.15E+00	8.60E-01	1.88E+00	1.44E-03	9.54E+00	1.73E-01	1.60E+00	5.72E-05	-1.28E-01	-9.83E-06	6.42E-01	1.11E-04	2.87E-01	1.37E-05	1.06E+00	2.87E-05
99	369791	758416	Residential	3.30E+00	7.01E-03	2.25E+00	8.99E-01	2.14E+00	1.64E-03	1.01E+01	1.83E-01	1.68E+00	6.00E-05	-1.26E-01	-9.69E-06	6.71E-01	1.16E-04	3.07E-01	1.46E-05	1.38E+00	3.73E-05
100	369791	758318	Residential	3.76E+00	8.01E-03	2.49E+00	9.97E-01	2.12E+00	1.63E-03	1.14E+01	2.07E-01	1.86E+00	6.63E-05	-1.18E-01	-9.11E-06	7.44E-01	1.28E-04	3.31E-01	1.58E-05	1.18E+00	3.18E-05
101	369881	758318	Residential	2.86E+00	6.09E-03	2.10E+00	8.41E-01	1.20E+00	9.23E-04	8.88E+00	1.61E-01	1.55E+00	5.54E-05	-1.62E-01	-1.25E-05	6.29E-01	1.08E-04	2.56E-01	1.22E-05	2.99E-02	8.07E-07
102	369972	758318	Residential	2.94E+00	6.25E-03	2.25E+00	9.00E-01	3.89E-01	2.99E-04	9.16E+00	1.66E-01	1.64E+00	5.85E-05	-2.00E-01	-1.54E-05	6.74E-01	1.16E-04	2.39E-01	1.14E-05	-1.34E+00	-3.63E-05
103	370062	758318	Residential	3.34E+00	7.11E-03	2.50E+00	**1.00E+00**	4.50E-02	3.46E-05	1.03E+01	1.87E-01	1.81E+00	6.46E-05	-2.08E-01	-1.60E-05	7.49E-01	1.29E-04	2.51E-01	1.19E-05	-2.06E+00	-5.56E-05
104	370153	758318	Residential	2.86E+00	6.08E-03	2.23E+00	8.91E-01	2.74E-02	2.11E-05	8.92E+00	1.62E-01	1.61E+00	5.75E-05	-2.09E-01	-1.61E-05	6.67E-01	1.15E-04	2.22E-01	1.06E-05	-1.88E+00	-5.09E-05
105	370243	758318	Residential	2.41E+00	5.13E-03	2.04E+00	8.15E-01	-6.32E-01	-4.86E-04	7.68E+00	1.40E-01	1.46E+00	5.20E-05	-2.32E-01	-1.78E-05	6.11E-01	1.05E-04	1.78E-01	8.46E-06	-2.73E+00	-7.39E-05
111	370408	758347	Residential	1.45E+00	3.09E-03	1.58E+00	6.32E-01	-1.58E+00	-1.22E-03	4.98E+00	9.05E-02	1.10E+00	3.94E-05	-2.65E-01	-2.04E-05	4.77E-01	8.22E-05	9.48E-02	4.52E-06	-3.88E+00	-1.05E-04
112	370490	758344	Residential	-2.57E-01	-5.46E-04	7.18E-01	2.87E-01	-1.99E+00	-1.53E-03	2.32E-01	4.21E-03	4.77E-01	1.70E-05	-3.06E-01	-2.35E-05	2.24E-01	3.86E-05	-6.48E-03	-3.08E-07	-3.88E+00	-1.05E-04
113	370572	758341	Residential	-3.68E-01	-7.83E-04	7.16E-01	2.87E-01	-2.71E+00	-2.09E-03	-6.83E-02	-1.24E-03	4.56E-01	1.63E-05	-3.28E-01	-2.52E-05	2.23E-01	3.85E-05	-3.51E-02	-1.67E-06	-4.99E+00	-1.35E-04
114	370654	758338	Residential	5.11E-01	1.09E-03	1.33E+00	5.32E-01	-2.62E+00	-2.02E-03	2.60E+00	4.72E-02	9.01E-01	3.22E-05	-3.67E-01	-2.82E-05	4.06E-01	7.00E-05	2.95E-02	1.41E-06	-5.34E+00	-1.44E-04
115	370735	758335	Residential	2.02E+00	4.30E-03	1.98E+00	7.93E-01	-1.30E+00	-1.00E-03	6.72E+00	1.22E-01	1.40E+00	5.01E-05	-2.92E-01	-2.24E-05	5.97E-01	1.03E-04	1.46E-01	6.94E-06	-3.81E+00	-1.03E-04
116	370817	758333	Residential	2.92E+00	6.21E-03	2.38E+00	9.51E-01	4.10E-03	3.15E-06	9.25E+00	1.68E-01	1.72E+00	6.14E-05	-2.49E-01	-1.91E-05	7.13E-01	1.23E-04	2.36E-01	1.13E-05	-2.07E+00	-5.59E-05
130	371183	758027	Residential	3.25E+00	6.92E-03	2.59E+00	**1.04E+00**	2.78E-01	2.14E-04	1.03E+01	1.88E-01	1.88E+00	6.72E-05	-2.57E-01	-1.97E-05	7.78E-01	1.34E-04	2.68E-01	1.28E-05	-1.86E+00	-5.03E-05
131	371248	758024	Residential	2.97E+00	6.31E-03	2.44E+00	9.77E-01	-3.68E-01	-2.83E-04	9.54E+00	1.73E-01	1.76E+00	6.27E-05	-2.62E-01	-2.01E-05	7.33E-01	1.26E-04	2.28E-01	1.09E-05	-2.70E+00	-7.30E-05
132	371326	758075	Residential	2.97E+00	6.32E-03	2.41E+00	9.66E-01	-4.74E-01	-3.65E-04	9.49E+00	1.72E-01	1.73E+00	6.19E-05	-2.51E-01	-1.93E-05	7.24E-01	1.25E-04	2.21E-01	1.05E-05	-2.84E+00	-7.68E-05
133	371404	758127	Residential	2.82E+00	6.01E-03	2.31E+00	9.23E-01	-4.12E-01	-3.17E-04	9.02E+00	1.64E-01	1.66E+00	5.93E-05	-2.44E-01	-1.87E-05	6.93E-01	1.19E-04	2.13E-01	1.01E-05	-2.69E+00	-7.26E-05
134	371481	758178	Residential	2.88E+00	6.12E-03	2.30E+00	9.21E-01	-4.73E-01	-3.64E-04	9.10E+00	1.65E-01	1.65E+00	5.90E-05	-2.31E-01	-1.78E-05	6.91E-01	1.19E-04	2.10E-01	1.00E-05	-2.78E+00	-7.50E-05
135	371559	758230	Residential	2.79E+00	5.94E-03	2.22E+00	8.89E-01	-3.56E-01	-2.74E-04	8.81E+00	1.60E-01	1.60E+00	5.71E-05	-2.21E-01	-1.70E-05	6.67E-01	1.15E-04	2.07E-01	9.84E-06	-2.53E+00	-6.84E-05
136	371637	758281	Residential	2.65E+00	5.63E-03	2.13E+00	8.50E-01	-1.50E-01	-1.15E-04	8.39E+00	1.52E-01	1.53E+00	5.48E-05	-2.15E-01	-1.65E-05	6.38E-01	1.10E-04	2.05E-01	9.76E-06	-2.13E+00	-5.77E-05
137	371715	758333	Residential	2.53E+00	5.37E-03	2.05E+00	8.20E-01	4.91E-02	3.78E-05	8.04E+00	1.46E-01	1.49E+00	5.31E-05	-2.14E-01	-1.64E-05	6.16E-01	1.06E-04	2.06E-01	9.79E-06	-1.77E+00	-4.78E-05
138	371769	758261	Residential	2.66E+00	5.66E-03	2.15E+00	8.59E-01	7.39E-01	5.69E-04	8.56E+00	1.56E-01	1.58E+00	5.63E-05	-2.20E-01	-1.69E-05	6.45E-01	1.11E-04	2.42E-01	1.15E-05	-7.77E-01	-2.10E-05
139	371822	758189	Residential	2.36E+00	5.02E-03	2.35E+00	9.42E-01	1.17E-02	8.97E-06	8.26E+00	1.50E-01	1.71E+00	6.10E-05	-3.54E-01	-2.72E-05	7.09E-01	1.22E-04	2.35E-01	1.12E-05	-2.05E+00	-5.55E-05
140	371894	758160	Residential	2.06E+00	4.38E-03	2.61E+00	**1.05E+00**	-5.06E-02	-3.89E-05	8.11E+00	1.48E-01	1.90E+00	6.78E-05	-5.05E-01	-3.89E-05	7.88E-01	1.36E-04	2.60E-01	1.24E-05	-2.32E+00	-6.27E-05
141	371894	758081	Residential	2.14E+00	4.55E-03	2.86E+00	**1.14E+00**	-1.50E-01	-1.16E-04	8.74E+00	1.59E-01	2.07E+00	7.41E-05	-5.76E-01	-4.43E-05	8.63E-01	1.49E-04	2.81E-01	1.34E-05	-2.69E+00	-7.28E-05
142	371959	758074	Residential	2.29E+00	4.86E-03	2.80E+00	**1.12E+00**	8.66E-02	6.66E-05	8.86E+00	1.61E-01	2.04E+00	7.27E-05	-5.25E-01	-4.04E-05	8.44E-01	1.46E-04	2.83E-01	1.35E-05	-2.30E+00	-6.22E-05
155	372055	757363	Residential	1.74E+00	3.71E-03	2.21E+00	8.84E-01	-3.81E-01	-2.93E-04	6.68E+00	1.21E-01	1.60E+00	5.71E-05	-4.28E-01	-3.29E-05	6.69E-01	1.15E-04	2.06E-01	9.79E-06	-2.63E+00	-7.10E-05
297	370239	755427	Residential	9.39E+00	2.00E-02	6.05E+00	**2.42E+00**	1.08E+00	8.31E-04	2.77E+01	5.04E-01	4.39E+00	1.57E-04	-2.37E-01	-1.82E-05	1.80E+00	3.11E-04	6.43E-01	3.06E-05	-3.33E+00	-9.00E-05
298	370138	755427	Residential	5.65E+00	1.20E-02	3.77E+00	**1.51E+00**	6.42E-01	4.94E-04	1.69E+01	3.06E-01	2.74E+00	9.77E-05	-1.88E-01	-1.44E-05	1.12E+00	1.94E-04	4.00E-01	1.90E-05	-2.14E+00	-5.79E-05
299	370040	755427	Residential	2.70E+00	5.74E-03	2.25E+00	8.99E-01	-9.04E-01	-6.95E-04	8.52E+00	1.55E-01	1.60E+00	5.72E-05	-2.49E-01	-1.91E-05	6.75E-01	1.16E-04	1.88E-01	8.94E-06	-3.37E+00	-9.12E-05
300	369941	755426	Residential	4.94E+00	1.05E-02	3.35E+00	**1.34E+00**	2.63E+00	2.02E-03	1.50E+01	2.73E-01	2.49E+00	8.90E-05	-1.84E-01	-1.41E-05	1.00E+00	1.73E-04	4.36E-01	2.08E-05	1.20E+00	3.24E-05
301	369842	755426	Residential	6.53E+00	1.39E-02	4.22E+00	**1.69E+00**	4.80E+00	3.70E-03	1.97E+01	3.58E-01	3.17E+00	1.13E-04	-1.68E-01	-1.29E-05	1.26E+00	2.17E-04	6.08E-01	2.90E-05	3.88E+00	1.05E-04
304	369544	755434	Residential	3.99E+00	8.48E-03	3.07E+00	**1.23E+00**	-1.02E+00	-7.86E-04	1.23E+01	2.23E-01	2.19E+00	7.82E-05	-2.77E-01	-2.13E-05	9.19E-01	1.58E-04	2.65E-01	1.26E-05	-4.21E+00	-1.14E-04
305	369445	755434	Residential	3.72E+00	7.92E-03	2.85E+00	**1.14E+00**	-9.60E-01	-7.39E-04	1.14E+01	2.08E-01	2.03E+00	7.26E-05	-2.53E-01	-1.95E-05	8.53E-01	1.47E-04	2.45E-01	1.17E-05	-3.96E+00	-1.07E-04
306	369346	755434	Residential	4.29E+00	9.13E-03	3.15E+00	**1.26E+00**	2.06E-01	1.59E-04	1.31E+01	2.39E-01	2.28E+00	8.16E-05	-2.45E-01	-1.89E-05	9.44E-01	1.63E-04	3.21E-01	1.53E-05	-2.42E+00	-6.54E-05
310	368953	755441	Residential	3.11E+00	6.61E-03	2.69E+00	**1.08E+00**	-1.77E-01	-1.36E-04	1.00E+01	1.83E-01	1.95E+00	6.95E-05	-3.23E-01	-2.48E-05	8.10E-01	1.40E-04	2.61E-01	1.24E-05	-2.68E+00	-7.23E-05
311	368854	755441	Residential	3.31E+00	7.03E-03	2.71E+00	**1.08E+00**	1.14E-01	8.76E-05	1.05E+01	1.91E-01	1.96E+00	7.01E-05	-2.88E-01	-2.21E-05	8.13E-01	1.40E-04	2.74E-01	1.30E-05	-2.21E+00	-5.99E-05
312	368755	755441	Residential	3.64E+00	7.75E-03	2.79E+00	**1.12E+00**	7.76E-02	5.97E-05	1.13E+01	2.06E-01	2.02E+00	7.22E-05	-2.49E-01	-1.91E-05	8.36E-01	1.44E-04	2.80E-01	1.34E-05	-2.30E+00	-6.21E-05
313	368657	755441	Residential	4.69E+00	9.97E-03	3.32E+00	**1.33E+00**	9.77E-01	7.52E-04	1.43E+01	2.60E-01	2.43E+00	8.66E-05	-2.25E-01	-1.73E-05	9.93E-01	1.71E-04	3.69E-01	1.76E-05	-1.31E+00	-3.54E-05
314	368558	755440	Residential	5.19E+00	1.10E-02	3.56E+00	**1.42E+00**	1.53E+00	1.18E-03	1.57E+01	2.85E-01	2.61E+00	9.32E-05	-2.07E-01	-1.59E-05	1.06E+00	1.83E-04	4.14E-01	1.97E-05	-6.41E-01	-1.73E-05
315	368459	755440	Residential	5.65E+00	1.20E-02	3.81E+00	**1.52E+00**	2.20E+00	1.69E-03	1.71E+01	3.10E-01	2.81E+00	1.00E-04	-2.01E-01	-1.54E-05	1.14E+00	1.96E-04	4.65E-01	2.21E-05	1.98E-01	5.35E-06
316	368360	755440	Residential	6.05E+00	1.29E-02	4.00E+00	**1.60E+00**	2.21E+00	1.70E-03	1.81E+01	3.30E-01	2.94E+00	1.05E-04	-1.88E-01	-1.45E-05	1.19E+00	2.06E-04	4.84E-01	2.31E-05	7.63E-02	2.06E-06
317	368262	755439	Residential	6.23E+00	1.32E-02	4.10E+00	**1.64E+00**	2.07E+00	1.59E-03	1.86E+01	3.39E-01	3.01E+00	1.08E-04	-1.88E-01	-1.45E-05	1.22E+00	2.11E-04	4.89E-01	2.33E-05	-2.20E-01	-5.94E-06
318	368186	755427	Residential	5.95E+00	1.27E-02	3.96E+00	**1.58E+00**	1.97E+00	1.52E-03	1.79E+01	3.25E-01	2.90E+00	1.04E-04	-1.92E-01	-1.47E-05	1.18E+00	2.03E-04	4.70E-01	2.24E-05	-2.57E-01	-6.95E-06
319	368111	755414	Residential	5.66E+00	1.21E-02	3.79E+00	**1.52E+00**	1.89E+00	1.45E-03	1.70E+01	3.10E-01	2.79E+00	9.95E-05	-1.92E-01	-1.48E-05	1.13E+00	1.95E-04	4.51E-01	2.15E-05	-2.51E-01	-6.80E-06
46	367504	757948	School	2.80E+00	5.97E-03	2.03E+00	8.11E-01	1.88E+00	1.45E-03	8.71E+00	1.58E-01	1.52E+00	5.42E-05	-1.48E-01	-1.14E-05	6.07E-01	1.05E-04	2.75E-01	1.31E-05	1.13E+00	3.06E-05
47	367544	757873	School	2.80E+00	5.95E-03	2.06E+00	8.24E-01	1.49E+00	1.14E-03	8.70E+00	1.58E-01	1.53E+00	5.47E-05	-1.61E-01	-1.24E-05	6.18E-01	1.07E-04	2.63E-01	1.25E-05	4.70E-01	1.27E-05
48	367587	757909	School	2.93E+00	6.24E-03	2.13E+00	8.54E-01	1.82E+00	1.40E-03	9.12E+00	1.66E-01	1.59E+00	5.69E-05	-1.60E-01	-1.23E-05	6.39E-01	1.10E-04	2.84E-01	1.35E-05	9.39E-01	2.54E-05
49	367623	757866	School	2.85E+00	6.06E-03	2.12E+00	8.47E-01	1.60E+00	1.23E-03	8.89E+00	1.62E-01	1.57E+00	5.62E-05	-1.71E-01	-1.32E-05	6.35E-01	1.09E-04	2.73E-01	1.30E-05	6.05E-01	1.63E-05
50	367694	757866	School	3.00E+00	6.38E-03	2.23E+00	8.94E-01	1.64E+00	1.26E-03	9.37E+00	1.70E-01	1.66E+00	5.93E-05	-1.82E-01	-1.40E-05	6.70E-01	1.15E-04	2.86E-01	1.36E-05	5.67E-01	1.53E-05
51	367716	757927	School	2.97E+00	6.32E-03	2.25E+00	9.01E-01	1.12E+00	8.60E-04	9.28E+00	1.69E-01	1.66E+00	5.93E-05	-1.94E-01	-1.49E-05	6.76E-01	1.16E-04	2.68E-01	1.27E-05	-2.74E-01	-7.41E-06
52	367737	757988	School	3.38E+00	7.19E-03	2.48E+00	9.92E-01	9.43E-01	7.25E-04	1.04E+01	1.89E-01	1.82E+00	6.50E-05	-1.92E-01	-1.48E-05	7.44E-01	1.28E-04	2.83E-01	1.35E-05	-7.39E-01	-2.00E-05
53	367727	758067	School	3.30E+00	7.01E-03	2.40E+00	9.61E-01	1.09E+00	8.35E-04	1.01E+01	1.84E-01	1.77E+00	6.31E-05	-1.82E-01	-1.40E-05	7.20E-01	1.24E-04	2.81E-01	1.34E-05	-4.53E-01	-1.22E-05
54	367716	758146	School	3.42E+00	7.28E-03	2.47E+00	9.86E-01	1.25E+00	9.61E-04	1.05E+01	1.91E-01	1.82E+00	6.48E-05	-1.78E-01	-1.37E-05	7.38E-01	1.27E-04	2.94E-01	1.40E-05	-2.42E-01	-6.54E-06
56	367723	758254	School	4.03E+00	8.56E-03	2.89E+00	**1.15E+00**	1.69E+00	1.30E-03	1.24E+01	2.25E-01	2.13E+00	7.61E-05	-2.04E-01	-1.57E-05	8.63E-01	1.49E-04	3.53E-01	1.68E-05	1.22E-01	3.31E-06
57	367784	758221	School	4.13E+00	8.78E-03	2.96E+00	**1.18E+00**	1.65E+00	1.27E-03	1.27E+01	2.31E-01	2.18E+00	7.79E-05	-2.09E-01	-1.61E-05	8.84E-01	1.52E-04	3.59E-01	1.71E-05	1.05E-02	2.84E-07
58	367845	758189	School	4.26E+00	9.07E-03	3.05E+00	**1.22E+00**	1.59E+00	1.22E-03	1.31E+01	2.38E-01	2.24E+00	8.01E-05	-2.13E-01	-1.64E-05	9.11E-01	1.57E-04	3.65E-01	1.74E-05	-1.61E-01	-4.36E-06
106	370247	758254	School	2.46E+00	5.23E-03	2.08E+00	8.33E-01	-8.97E-01	-6.90E-04	7.82E+00	1.42E-01	1.48E+00	5.29E-05	-2.37E-01	-1.83E-05	6.24E-01	1.08E-04	1.72E-01	8.18E-06	-3.18E+00	-8.59E-05
107	370250	758189	School	2.44E+00	5.20E-03	2.11E+00	8.44E-01	-1.14E+00	-8.81E-04	7.80E+00	1.42E-01	1.50E+00	5.34E-05	-2.51E-01	-1.93E-05	6.33E-01	1.09E-04	1.65E-01	7.85E-06	-3.59E+00	-9.70E-05
108	370308	758196	School	2.72E+00	5.80E-03	2.23E+00	8.93E-01	-3.90E-01	-3.00E-04	8.63E+00	1.57E-01	1.60E+00	5.73E-05	-2.37E-01	-1.82E-05	6.69E-01	1.15E-04	2.07E-01	9.84E-06	-2.52E+00	-6.81E-05
109	370361	758236	School	2.02E+00	4.29E-03	1.85E+00	7.41E-01	-9.93E-01	-7.64E-04	6.58E+00	1.20E-01	1.32E+00	4.70E-05	-2.47E-01	-1.90E-05	5.58E-01	9.62E-05	1.45E-01	6.91E-06	-3.19E+00	-8.61E-05
110	370415	758275	School	1.27E+00	2.71E-03	1.53E+00	6.11E-01	-1.74E+00	-1.34E-03	4.53E+00	8.23E-02	1.06E+00	3.80E-05	-2.82E-01	-2.17E-05	4.62E-01	7.97E-05	8.35E-02	3.98E-06	-4.10E+00	-1.11E-04

Table 3-4B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 4, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde ($\mu g/m^3$)	acetaldehyde Acute Hazard	acrolein ($\mu g/m^3$)	acrolein Acute Hazard	benzene ($\mu g/m^3$)	benzene Acute Hazard	formaldehyde ($\mu g/m^3$)	formaldehyde Acute Hazard	methyl alcohol ($\mu g/m^3$)	methyl alcohol Acute Hazard	methyl ethyl ketone ($\mu g/m^3$)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) ($\mu g/m^3$)	phenol (carbolic acid) Acute Hazard	styrene ($\mu g/m^3$)	styrene Acute Hazard	toluene ($\mu g/m^3$)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
302	369741	755435	School	4.29E+00	9.13E-03	3.14E+00	**1.26E+00**	4.05E-01	3.11E-04	1.31E+01	2.39E-01	2.28E+00	8.15E-05	-2.42E-01	-1.86E-05	9.41E-01	1.62E-04	3.28E-01	1.56E-05	-2.10E+00	-5.67E-05
303	369643	755434	School	3.73E+00	7.94E-03	2.82E+00	**1.13E+00**	9.98E-01	7.68E-04	1.16E+01	2.11E-01	2.07E+00	7.38E-05	-2.41E-01	-1.85E-05	8.46E-01	1.46E-04	3.19E-01	1.52E-05	-9.67E-01	-2.61E-05

Note: Shaded cells indicate locations where concentrations were highest within each land use category.

Table 3-4B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 4, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m³)	xylene, total Acute Hazard	arsenic (µg/m³)	arsenic Acute Hazard	chlorine (µg/m³)	chlorine Acute Hazard	copper (µg/m³)	copper Acute Hazard	mercury (µg/m³)	mercury Acute Hazard	nickel (µg/m³)	nickel Acute Hazard	vanadium (µg/m³)	vanadium Acute Hazard	sulfates (µg/m³)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
117	370814	758243	Offsite Worker	-1.12E+00	-5.09E-05	-1.20E-03	-5.99E-03	-8.89E-02	-4.23E-04	-5.88E-03	-5.88E-05	-7.19E-03	-1.20E-02	-4.60E-03	-7.66E-04	-6.95E-03	-2.32E-04	-4.22E+00	-3.51E-02
118	370810	758153	Offsite Worker	-7.76E-01	-3.53E-05	-1.36E-03	-6.79E-03	-1.01E-01	-4.79E-04	-6.67E-03	-6.67E-05	-8.15E-03	-1.36E-02	-5.21E-03	-8.69E-04	-7.88E-03	-2.63E-04	-4.78E+00	-3.98E-02
119	370807	758063	Offsite Worker	-1.09E+00	-4.97E-05	-1.69E-03	-8.45E-03	-1.25E-01	-5.97E-04	-8.34E-03	-8.34E-05	-1.01E-02	-1.69E-02	-6.48E-03	-1.08E-03	-9.80E-03	-3.27E-04	-5.95E+00	-4.96E-02
120	370803	757974	Offsite Worker	-2.99E+00	-1.36E-04	-2.03E-03	-1.02E-02	-1.49E-01	-7.09E-04	-1.00E-02	-1.00E-04	-1.22E-02	-2.03E-02	-7.79E-03	-1.30E-03	-1.18E-02	-3.93E-04	-7.14E+00	-5.95E-02
121	370835	757927	Offsite Worker	-4.16E+00	-1.89E-04	-2.17E-03	-1.08E-02	-1.54E-01	-7.35E-04	-1.06E-02	-1.06E-04	-1.30E-02	-2.17E-02	-8.27E-03	-1.38E-03	-1.26E-02	-4.19E-04	-7.59E+00	-6.32E-02
122	370868	757880	Offsite Worker	-2.50E+00	-1.14E-04	-1.85E-03	-9.27E-03	-1.32E-01	-6.30E-04	-9.00E-03	-9.00E-05	-1.11E-02	-1.85E-02	-7.08E-03	-1.18E-03	-1.07E-02	-3.58E-04	-6.49E+00	-5.41E-02
123	370921	757884	Offsite Worker	-1.24E+00	-5.62E-05	-2.36E-03	-1.18E-02	-1.71E-01	-8.12E-04	-1.16E-02	-1.16E-04	-1.41E-02	-2.36E-02	-9.02E-03	-1.50E-03	-1.37E-02	-4.56E-04	-8.27E+00	-6.89E-02
124	370975	757887	Offsite Worker	-3.79E-01	-1.72E-05	-2.25E-03	-1.12E-02	-1.58E-01	-7.50E-04	-1.09E-02	-1.09E-04	-1.35E-02	-2.25E-02	-8.56E-03	-1.43E-03	-1.30E-02	-4.34E-04	-7.85E+00	-6.54E-02
125	370975	757794	Offsite Worker	-1.11E+00	-5.05E-05	-1.83E-03	-9.13E-03	-1.33E-01	-6.33E-04	-8.79E-03	-8.79E-05	-1.10E-02	-1.83E-02	-6.99E-03	-1.17E-03	-1.06E-02	-3.53E-04	-6.41E+00	-5.34E-02
126	371026	757794	Offsite Worker	-2.75E+00	-1.25E-04	-1.75E-03	-8.77E-03	-1.29E-01	-6.16E-04	-8.40E-03	-8.40E-05	-1.05E-02	-1.75E-02	-6.73E-03	-1.12E-03	-1.02E-02	-3.39E-04	-6.17E+00	-5.14E-02
127	371076	757877	Offsite Worker	-1.97E+00	-8.94E-05	-1.73E-03	-8.66E-03	-1.28E-01	-6.11E-04	-8.43E-03	-8.43E-05	-1.04E-02	-1.73E-02	-6.65E-03	-1.11E-03	-1.00E-02	-3.35E-04	-6.10E+00	-5.08E-02
128	371126	757959	Offsite Worker	-1.24E+00	-5.61E-05	-1.68E-03	-8.39E-03	-1.24E-01	-5.91E-04	-8.20E-03	-8.20E-05	-1.01E-02	-1.68E-02	-6.44E-03	-1.07E-03	-9.73E-03	-3.24E-04	-5.90E+00	-4.92E-02
129	371119	758031	Offsite Worker	-8.21E-01	-3.73E-05	-1.45E-03	-7.23E-03	-1.05E-01	-5.02E-04	-6.94E-03	-6.94E-05	-8.68E-03	-1.45E-02	-5.54E-03	-9.23E-04	-8.39E-03	-2.80E-04	-5.08E+00	-4.23E-02
143	371953	757977	Offsite Worker	-8.72E-01	-3.96E-05	-4.28E-04	-2.14E-03	-4.63E-02	-2.21E-04	-1.87E-03	-1.87E-05	-2.57E-03	-4.28E-03	-1.75E-03	-2.91E-04	-2.48E-03	-8.28E-05	-1.60E+00	-1.33E-02
144	371948	757880	Offsite Worker	-9.40E-01	-4.27E-05	-1.74E-04	-8.71E-04	-8.46E-03	-4.03E-05	-4.57E-04	-4.57E-06	-1.05E-03	-1.74E-03	-6.37E-04	-1.06E-04	-1.01E-03	-3.37E-05	-5.85E-01	-4.87E-03
145	371943	757783	Offsite Worker	-5.20E+00	-2.37E-04	-1.23E-03	-6.15E-03	-1.01E-01	-4.82E-04	-6.06E-03	-6.06E-05	-7.38E-03	-1.23E-02	-4.79E-03	-7.98E-04	-7.13E-03	-2.38E-04	-4.39E+00	-3.66E-02
146	372016	757794	Offsite Worker	-4.98E+00	-2.26E-04	-1.39E-03	-6.95E-03	-1.09E-01	-5.20E-04	-6.89E-03	-6.89E-05	-8.35E-03	-1.39E-02	-5.38E-03	-8.97E-04	-8.07E-03	-2.69E-04	-4.93E+00	-4.11E-02
147	372102	757791	Offsite Worker	-4.64E+00	-2.11E-04	-1.60E-03	-8.01E-03	-1.21E-01	-5.76E-04	-7.99E-03	-7.99E-05	-9.61E-03	-1.60E-02	-6.16E-03	-1.03E-03	-9.29E-03	-3.10E-04	-5.65E+00	-4.71E-02
148	372178	757760	Offsite Worker	-3.56E+00	-1.62E-04	-1.26E-03	-6.28E-03	-9.12E-02	-4.34E-04	-6.18E-03	-6.18E-05	-7.53E-03	-1.26E-02	-4.80E-03	-8.01E-04	-7.28E-03	-2.43E-04	-4.41E+00	-3.67E-02
149	372177	757670	Offsite Worker	-1.88E+00	-8.56E-05	-1.25E-03	-6.24E-03	-8.75E-02	-4.17E-04	-6.12E-03	-6.12E-05	-7.49E-03	-1.25E-02	-4.76E-03	-7.93E-04	-7.24E-03	-2.41E-04	-4.36E+00	-3.63E-02
150	372176	757579	Offsite Worker	-9.33E-01	-4.24E-05	-1.05E-03	-5.27E-03	-8.42E-02	-4.01E-04	-5.24E-03	-5.24E-05	-6.32E-03	-1.05E-02	-4.09E-03	-6.81E-04	-6.11E-03	-2.04E-04	-3.75E+00	-3.12E-02
151	372174	757489	Offsite Worker	-1.75E+00	-7.98E-05	-7.75E-04	-3.87E-03	-5.90E-02	-2.81E-04	-3.75E-03	-3.75E-05	-4.65E-03	-7.75E-03	-2.98E-03	-4.97E-04	-4.49E-03	-1.50E-04	-2.74E+00	-2.28E-02
152	372173	757398	Offsite Worker	-2.05E+00	-9.30E-05	-1.24E-03	-6.19E-03	-1.03E-01	-4.90E-04	-6.17E-03	-6.17E-05	-7.43E-03	-1.24E-02	-4.83E-03	-8.06E-04	-7.19E-03	-2.40E-04	-4.43E+00	-3.69E-02
153	372171	757308	Offsite Worker	-5.06E-01	-2.30E-05	-1.20E-03	-5.99E-03	-8.66E-02	-4.12E-04	-5.78E-03	-5.78E-05	-7.19E-03	-1.20E-02	-4.58E-03	-7.64E-04	-6.95E-03	-2.32E-04	-4.20E+00	-3.50E-02
154	372055	757309	Offsite Worker	-1.80E+00	-8.20E-05	-1.01E-03	-5.04E-03	-8.08E-02	-3.85E-04	-4.83E-03	-4.83E-05	-6.04E-03	-1.01E-02	-3.91E-03	-6.52E-04	-5.84E-03	-1.95E-04	-3.58E+00	-2.99E-02
156	372055	757416	Offsite Worker	-2.13E+00	-9.70E-05	-1.02E-03	-5.11E-03	-8.53E-02	-4.06E-04	-5.05E-03	-5.05E-05	-6.13E-03	-1.02E-02	-3.99E-03	-6.65E-04	-5.92E-03	-1.97E-04	-3.66E+00	-3.05E-02
157	371952	757442	Offsite Worker	-1.15E+00	-5.23E-05	-4.40E-04	-2.20E-03	-1.19E-02	-5.68E-05	-1.75E-03	-1.75E-05	-2.64E-03	-4.40E-03	-1.54E-03	-2.57E-04	-2.55E-03	-8.51E-05	-1.42E+00	-1.18E-02
158	371950	757345	Offsite Worker	-2.80E+00	-1.27E-04	-4.50E-04	-2.25E-03	-5.64E-02	-2.69E-04	-2.09E-03	-2.09E-05	-2.70E-03	-4.50E-03	-1.89E-03	-3.15E-04	-2.61E-03	-8.70E-05	-1.73E+00	-1.44E-02
159	371864	757344	Offsite Worker	-2.54E+00	-1.16E-04	-5.28E-04	-2.64E-03	-5.99E-02	-2.85E-04	-2.46E-03	-2.46E-05	-3.17E-03	-5.28E-03	-2.17E-03	-3.62E-04	-3.06E-03	-1.02E-04	-1.99E+00	-1.66E-02
160	371790	757347	Offsite Worker	-2.00E+00	-9.11E-05	-1.12E-03	-5.58E-03	-9.25E-02	-4.41E-04	-5.49E-03	-5.49E-05	-6.69E-03	-1.12E-02	-4.35E-03	-7.25E-04	-6.47E-03	-2.16E-04	-3.99E+00	-3.33E-02
161	371708	757356	Offsite Worker	-1.84E+00	-8.37E-05	-1.05E-03	-5.26E-03	-6.17E-02	-2.94E-04	-4.95E-03	-4.95E-05	-6.31E-03	-1.05E-02	-3.92E-03	-6.54E-04	-6.10E-03	-2.03E-04	-3.60E+00	-3.00E-02
162	371615	757356	Offsite Worker	-1.68E+00	-7.63E-05	-1.22E-03	-6.11E-03	-6.14E-02	-2.92E-04	-5.73E-03	-5.73E-05	-7.34E-03	-1.22E-02	-4.48E-03	-7.47E-04	-7.09E-03	-2.36E-04	-4.12E+00	-3.43E-02
163	371523	757356	Offsite Worker	-1.23E+00	-5.59E-05	-1.70E-03	-8.49E-03	-9.80E-02	-4.67E-04	-8.21E-03	-8.21E-05	-1.02E-02	-1.70E-02	-6.32E-03	-1.05E-03	-9.85E-03	-3.28E-04	-5.80E+00	-4.83E-02
164	371430	757356	Offsite Worker	-1.28E+00	-5.83E-05	-1.99E-03	-9.95E-03	-1.35E-01	-6.42E-04	-9.84E-03	-9.84E-05	-1.19E-02	-1.99E-02	-7.55E-03	-1.26E-03	-1.15E-02	-3.85E-04	-6.93E+00	-5.77E-02
165	371338	757356	Offsite Worker	-1.88E+00	-8.53E-05	-2.31E-03	-1.15E-02	-1.64E-01	-7.81E-04	-1.15E-02	-1.15E-04	-1.38E-02	-2.31E-02	-8.80E-03	-1.47E-03	-1.34E-02	-4.46E-04	-8.07E+00	-6.73E-02
166	371245	757356	Offsite Worker	-3.26E+00	-1.48E-04	-3.04E-03	-1.52E-02	-2.29E-01	-1.09E-03	-1.52E-02	-1.52E-04	-1.82E-02	-3.04E-02	-1.17E-02	-1.95E-03	-1.76E-02	-5.87E-04	-1.07E+01	-8.93E-02
167	371153	757356	Offsite Worker	-5.39E+00	-2.45E-04	-3.83E-03	-1.92E-02	-2.92E-01	-1.39E-03	-1.93E-02	-1.93E-04	-2.30E-02	-3.83E-02	-1.48E-02	-2.46E-03	-2.22E-02	-7.41E-04	-1.35E+01	-1.13E-01
168	371061	757356	Offsite Worker	-7.51E+00	-3.42E-04	-4.55E-03	-2.28E-02	-3.53E-01	-1.68E-03	-2.30E-02	-2.30E-04	-2.73E-02	-4.55E-02	-1.76E-02	-2.93E-03	-2.64E-02	-8.80E-04	-1.61E+01	-1.34E-01
169	371005	757357	Offsite Worker	-8.96E+00	-4.07E-04	-4.64E-03	-2.32E-02	-3.62E-01	-1.72E-03	-2.33E-02	-2.33E-04	-2.78E-02	-4.64E-02	-1.79E-02	-2.99E-03	-2.69E-02	-8.97E-04	-1.64E+01	-1.37E-01
170	370998	757293	Offsite Worker	-5.88E+00	-2.67E-04	-4.44E-03	-2.22E-02	-3.60E-01	-1.71E-03	-2.26E-02	-2.26E-04	-2.66E-02	-4.44E-02	-1.73E-02	-2.88E-03	-2.58E-02	-8.58E-04	-1.58E+01	-1.32E-01
171	370998	757194	Offsite Worker	-1.96E+00	-8.93E-05	-1.79E-03	-8.95E-03	-1.36E-01	-6.46E-04	-8.66E-03	-8.66E-05	-1.07E-02	-1.79E-02	-6.89E-03	-1.15E-03	-1.04E-02	-3.46E-04	-6.32E+00	-5.26E-02
172	370998	757096	Offsite Worker	-4.17E+00	-1.90E-04	-2.27E-03	-1.14E-02	-1.56E-01	-7.45E-04	-1.11E-02	-1.11E-04	-1.36E-02	-2.27E-02	-8.64E-03	-1.44E-03	-1.32E-02	-4.39E-04	-7.92E+00	-6.60E-02
173	370998	756998	Offsite Worker	-6.80E+00	-3.09E-04	-1.18E-03	-5.91E-03	-6.54E-02	-3.11E-04	-5.57E-03	-5.57E-05	-7.10E-03	-1.18E-02	-4.38E-03	-7.30E-04	-6.86E-03	-2.29E-04	-4.02E+00	-3.35E-02
174	371057	756997	Offsite Worker	-3.65E+00	-1.66E-04	-1.25E-03	-6.26E-03	-5.10E-02	-2.43E-04	-5.72E-03	-5.72E-05	-7.52E-03	-1.25E-02	-4.51E-03	-7.51E-04	-7.26E-03	-2.42E-04	-4.14E+00	-3.45E-02
175	371153	756997	Offsite Worker	-3.35E+00	-1.52E-04	-7.19E-04	-3.59E-03	-2.13E-02	-1.01E-04	-2.98E-03	-2.98E-05	-4.31E-03	-7.19E-03	-2.53E-03	-4.22E-04	-4.17E-03	-1.39E-04	-2.32E+00	-1.94E-02
176	371249	756997	Offsite Worker	-2.82E+00	-1.28E-04	-8.54E-04	-4.27E-03	-3.70E-02	-1.76E-04	-3.74E-03	-3.74E-05	-5.12E-03	-8.54E-03	-3.09E-03	-5.15E-04	-4.95E-03	-1.65E-04	-2.84E+00	-2.36E-02
177	371345	756997	Offsite Worker	-3.58E+00	-1.63E-04	-5.82E-04	-2.91E-03	-1.96E-02	-9.35E-05	-2.40E-03	-2.40E-05	-3.49E-03	-5.82E-03	-2.07E-03	-3.44E-04	-3.38E-03	-1.13E-04	-1.90E+00	-1.58E-02
178	371440	756997	Offsite Worker	-2.34E+00	-1.06E-04	-1.28E-03	-6.39E-03	-6.94E-02	-3.31E-04	-5.91E-03	-5.91E-05	-7.66E-03	-1.28E-02	-4.72E-03	-7.87E-04	-7.41E-03	-2.47E-04	-4.33E+00	-3.61E-02
179	371536	756997	Offsite Worker	-1.72E+00	-7.83E-05	-1.46E-03	-7.30E-03	-7.94E-02	-3.78E-04	-6.75E-03	-6.75E-05	-8.76E-03	-1.46E-02	-5.40E-03	-8.99E-04	-8.46E-03	-2.82E-04	-4.95E+00	-4.13E-02
180	371632	756997	Offsite Worker	-9.49E-02	-4.31E-06	-1.33E-03	-6.64E-03	-7.35E-02	-3.50E-04	-6.11E-03	-6.11E-05	-7.97E-03	-1.33E-02	-4.92E-03	-8.20E-04	-7.71E-03	-2.57E-04	-4.52E+00	-3.76E-02
181	371728	756997	Offsite Worker	1.15E+00	5.23E-05	-1.08E-03	-5.39E-03	-5.49E-02	-2.61E-04	-4.84E-03	-4.84E-05	-6.47E-03	-1.08E-02	-3.96E-03	-6.60E-04	-6.25E-03	-2.08E-04	-3.63E+00	-3.03E-02
182	371824	756997	Offsite Worker	1.20E+00	5.47E-05	-3.29E-04	-1.64E-03	-4.55E-03	-2.17E-05	-1.00E-03	-1.00E-05	-1.97E-03	-3.29E-03	-1.12E-03	-1.87E-04	-1.91E-03	-6.35E-05	-1.03E+00	-8.58E-03
183	371920	756997	Offsite Worker	2.43E+00	1.11E-04	2.08E-04	1.04E-03	3.31E-02	1.58E-04	1.77E-03	1.77E-05	1.25E-03	2.08E-03	9.24E-04	1.54E-04	1.21E-03	4.02E-05	8.45E-01	7.04E-03
184	372016	756997	Offsite Worker	5.45E+00	2.48E-04	1.83E-03	9.14E-03	1.54E-01	7.33E-04	1.03E-02	1.03E-04	1.10E-02	1.83E-02	7.15E-03	1.19E-03	1.06E-02	3.54E-04	6.56E+00	5.46E-02
185	372111	756997	Offsite Worker	3.06E+00	1.39E-04	1.45E-03	7.24E-03	1.20E-01	5.72E-04	8.22E-03	8.22E-05	8.69E-03	1.45E-02	5.65E-03	9.42E-04	8.40E-03	2.80E-04	5.18E+00	4.32E-02
186	372207	756997	Offsite Worker	6.71E+00	3.05E-04	2.35E-03	1.18E-02	1.80E-01	8.56E-04	1.29E-02	1.29E-04	1.41E-02	2.35E-02	9.06E-03	1.51E-03	1.36E-02	4.54E-04	8.31E+00	6.92E-02
187	372303	756997	Offsite Worker	2.88E+00	1.31E-04	1.23E-03	6.15E-03	9.93E-02	4.73E-04	6.97E-03	6.97E-05	7.38E-03	1.23E-02	4.78E-03	7.96E-04	7.13E-03	2.38E-04	4.38E+00	3.65E-02
188	372399	756997	Offsite Worker	1.77E+00	8.07E-05	1.19E-04	5.93E-04	1.43E-02	6.81E-05	1.08E-03	1.08E-05	7.12E-04	1.19E-03	4.95E-04	8.24E-05	6.88E-04	2.29E-05	4.53E-01	3.77E-03
189	372495	756997	Offsite Worker	1.84E+00	8.35E-05	3.34E-04	1.67E-03	3.14E-02	1.50E-04	2.22E-03	2.22E-05	2.00E-03	3.34E-03	1.33E-03	2.21E-04	1.94E-03	6.45E-05	1.22E+00	1.01E-02
190	372591	756997	Offsite Worker	2.08E+00	9.46E-05	2.09E-04	1.04E-03	2.12E-02	1.01E-04	1.51E-03	1.51E-05	1.25E-03	2.09E-03	8.42E-04	1.40E-04	1.21E-03	4.04E-05	7.72E-01	6.43E-03
191	372610	757063	Offsite Worker	1.40E+00	6.35E-05	8.78E-06	4.39E-05	4.36E-03	2.08E-05	3.79E-04	3.79E-06	5.27E-05	8.78E-05	6.02E-05	1.00E-05	5.09E-05	1.70E-06	5.48E-02	4.56E-04
192	372612	757132	Offsite Worker	1.53E+00	6.97E-05	1.69E-04	8.46E-04	1.78E-02	8.48E-05	1.23E-03	1.23E-05	1.01E-03	1.69E-03	6.87E-04	1.14E-04	9.81E-04	3.27E-05	6.29E-01	5.24E-03
193	372614	757201	Offsite Worker	9.93E-01	4.52E-05	-2.66E-04	-1.33E-03	-1.54E-02	-7.34E-05	-1.05E-03	-1.05E-05	-1.60E-03	-2.66E-03	-9.90E-04	-1.65E-04	-1.54E-03	-5.14E-05	-9.08E-01	-7.57E-03
194	372616	757270	Offsite Worker	1.29E-01	5.88E-06	-7.27E-04	-3.64E-03	-4.85E-02	-2.31E-04	-3.42E-03	-3.42E-05	-4.36E-03	-7.27E-03	-2.75E-03	-4.59E-04	-4.22E-03	-1.41E-04	-2.53E+00	-2.10E-02
195	372627	757351	Offsite Worker	2.26E-01	1.03E-05	-7.96E-04	-3.98E-03	-5.68E-02	-2.71E-04	-3.80E-03	-3.80E-05	-4.78E-03	-7.96E-03	-3.04E-03	-5.06E-04	-4.62E-03	-1.54E-04	-2.79E+00	-2.32E-02

Table 3-4B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 4, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m³)	xylene, total Acute Hazard	arsenic (µg/m³)	arsenic Acute Hazard	chlorine (µg/m³)	chlorine Acute Hazard	copper (µg/m³)	copper Acute Hazard	mercury (µg/m³)	mercury Acute Hazard	nickel (µg/m³)	nickel Acute Hazard	vanadium (µg/m³)	vanadium Acute Hazard	sulfates (µg/m³)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
196	372651	757422	Offsite Worker	2.05E-02	9.30E-07	-7.30E-04	-3.65E-03	-4.65E-02	-2.22E-04	-3.38E-03	-3.38E-05	-4.38E-03	-7.30E-03	-2.75E-03	-4.58E-04	-4.23E-03	-1.41E-04	-2.52E+00	-2.10E-02
197	372676	757494	Offsite Worker	4.74E-02	2.15E-06	-8.83E-04	-4.42E-03	-5.93E-02	-2.82E-04	-4.18E-03	-4.18E-05	-5.30E-03	-8.83E-03	-3.35E-03	-5.58E-04	-5.12E-03	-1.71E-04	-3.07E+00	-2.56E-02
198	372704	757569	Offsite Worker	-5.72E-01	-2.60E-05	-9.81E-04	-4.91E-03	-6.87E-02	-3.27E-04	-4.72E-03	-4.72E-05	-5.89E-03	-9.81E-03	-3.74E-03	-6.23E-04	-5.69E-03	-1.90E-04	-3.43E+00	-2.86E-02
199	372733	757645	Offsite Worker	-1.04E+00	-4.73E-05	-9.66E-04	-4.83E-03	-6.91E-02	-3.29E-04	-4.70E-03	-4.70E-05	-5.80E-03	-9.66E-03	-3.69E-03	-6.15E-04	-5.60E-03	-1.87E-04	-3.38E+00	-2.82E-02
200	372746	757702	Offsite Worker	-1.31E+00	-5.94E-05	-8.24E-04	-4.12E-03	-6.45E-02	-3.07E-04	-4.07E-03	-4.07E-05	-4.94E-03	-8.24E-03	-3.19E-03	-5.31E-04	-4.78E-03	-1.59E-04	-2.92E+00	-2.44E-02
201	372746	757768	Offsite Worker	-1.27E+00	-5.79E-05	-7.99E-04	-4.00E-03	-6.83E-02	-3.25E-04	-3.99E-03	-3.99E-05	-4.80E-03	-7.99E-03	-3.13E-03	-5.22E-04	-4.64E-03	-1.55E-04	-2.87E+00	-2.39E-02
202	372807	757781	Offsite Worker	-1.31E+00	-5.93E-05	-7.57E-04	-3.79E-03	-6.33E-02	-3.01E-04	-3.77E-03	-3.77E-05	-4.54E-03	-7.57E-03	-2.96E-03	-4.93E-04	-4.39E-03	-1.46E-04	-2.71E+00	-2.26E-02
203	372901	757782	Offsite Worker	-1.22E+00	-5.56E-05	-7.00E-04	-3.50E-03	-5.57E-02	-2.65E-04	-3.46E-03	-3.46E-05	-4.20E-03	-7.00E-03	-2.71E-03	-4.52E-04	-4.06E-03	-1.35E-04	-2.49E+00	-2.07E-02
204	372994	757783	Offsite Worker	-9.86E-01	-4.48E-05	-7.71E-04	-3.85E-03	-5.57E-02	-2.65E-04	-3.75E-03	-3.75E-05	-4.63E-03	-7.71E-03	-2.95E-03	-4.91E-04	-4.47E-03	-1.49E-04	-2.70E+00	-2.25E-02
205	373087	757783	Offsite Worker	-6.88E-01	-3.13E-05	-8.47E-04	-4.23E-03	-5.88E-02	-2.80E-04	-4.08E-03	-4.08E-05	-5.08E-03	-8.47E-03	-3.22E-03	-5.37E-04	-4.91E-03	-1.64E-04	-2.96E+00	-2.46E-02
206	373180	757784	Offsite Worker	-2.96E-01	-1.35E-05	-8.85E-04	-4.42E-03	-6.21E-02	-2.96E-04	-4.25E-03	-4.25E-05	-5.31E-03	-8.85E-03	-3.37E-03	-5.62E-04	-5.13E-03	-1.71E-04	-3.09E+00	-2.58E-02
207	373274	757785	Offsite Worker	-1.78E-02	-8.09E-07	-8.24E-04	-4.12E-03	-5.77E-02	-2.75E-04	-3.95E-03	-3.95E-05	-4.94E-03	-8.24E-03	-3.14E-03	-5.23E-04	-4.78E-03	-1.59E-04	-2.88E+00	-2.40E-02
208	373367	757786	Offsite Worker	1.96E-02	8.93E-07	-7.59E-04	-3.80E-03	-5.52E-02	-2.63E-04	-3.64E-03	-3.64E-05	-4.56E-03	-7.59E-03	-2.91E-03	-4.84E-04	-4.40E-03	-1.47E-04	-2.67E+00	-2.22E-02
209	373418	757742	Offsite Worker	-1.70E-01	-7.73E-06	-6.42E-04	-3.21E-03	-4.80E-02	-2.28E-04	-3.08E-03	-3.08E-05	-3.85E-03	-6.42E-03	-2.47E-03	-4.11E-04	-3.72E-03	-1.24E-04	-2.26E+00	-1.89E-02
210	373418	757653	Offsite Worker	-2.90E-01	-1.32E-05	-7.64E-04	-3.82E-03	-5.60E-02	-2.67E-04	-3.73E-03	-3.73E-05	-4.58E-03	-7.64E-03	-2.93E-03	-4.88E-04	-4.43E-03	-1.48E-04	-2.68E+00	-2.24E-02
211	373419	757564	Offsite Worker	1.39E-01	6.33E-06	-6.34E-04	-3.17E-03	-4.65E-02	-2.21E-04	-3.05E-03	-3.05E-05	-3.81E-03	-6.34E-03	-2.43E-03	-4.05E-04	-3.68E-03	-1.23E-04	-2.23E+00	-1.86E-02
212	373419	757475	Offsite Worker	8.13E-01	3.69E-05	-3.30E-04	-1.65E-03	-2.44E-02	-1.16E-04	-1.47E-03	-1.47E-05	-1.98E-03	-3.30E-03	-1.26E-03	-2.11E-04	-1.91E-03	-6.37E-05	-1.16E+00	-9.66E-03
213	373420	757386	Offsite Worker	1.38E+00	6.28E-05	-1.28E-04	-6.42E-04	-6.73E-03	-3.21E-05	-3.99E-04	-3.99E-06	-7.70E-04	-1.28E-03	-4.73E-04	-7.88E-05	-7.45E-04	-2.48E-05	-4.34E-01	-3.62E-03
214	373420	757297	Offsite Worker	1.09E+00	4.95E-05	-2.46E-04	-1.23E-03	-1.42E-02	-6.77E-05	-9.78E-04	-9.78E-06	-1.47E-03	-2.46E-03	-9.15E-04	-1.52E-04	-1.43E-03	-4.75E-05	-8.39E-01	-7.00E-03
215	373421	757207	Offsite Worker	8.73E-01	3.97E-05	-3.33E-04	-1.66E-03	-2.45E-02	-1.17E-04	-1.43E-03	-1.43E-05	-2.00E-03	-3.33E-03	-1.28E-03	-2.13E-04	-1.93E-03	-6.43E-05	-1.17E+00	-9.76E-03
216	373421	757118	Offsite Worker	8.53E-01	3.88E-05	-7.04E-05	-3.52E-04	-2.43E-03	-1.16E-05	2.11E-05	2.11E-07	-4.22E-04	-7.04E-04	-2.50E-04	-4.17E-05	-4.08E-04	-1.36E-05	-2.30E-01	-1.91E-03
217	373292	757117	Offsite Worker	9.83E-01	4.47E-05	-6.95E-05	-3.48E-04	-2.38E-03	-1.13E-05	2.77E-05	2.77E-07	-4.17E-04	-6.95E-04	-2.47E-04	-4.12E-05	-4.03E-04	-1.34E-05	-2.27E-01	-1.89E-03
218	373213	757118	Offsite Worker	1.03E+00	4.68E-05	-1.32E-04	-6.61E-04	-6.13E-03	-2.92E-05	-3.16E-04	-3.16E-06	-7.93E-04	-1.32E-03	-4.81E-04	-8.02E-05	-7.67E-04	-2.56E-05	-4.42E-01	-3.68E-03
219	373158	757066	Offsite Worker	1.27E+00	5.78E-05	1.10E-04	5.50E-04	1.25E-02	5.97E-05	9.94E-04	9.94E-06	6.60E-04	1.10E-03	4.53E-04	7.56E-05	6.38E-04	2.13E-05	4.15E-01	3.46E-03
220	373084	757026	Offsite Worker	1.62E+00	7.36E-05	2.69E-04	1.34E-03	2.33E-02	1.11E-04	1.84E-03	1.84E-05	1.61E-03	2.69E-03	1.06E-03	1.76E-04	1.56E-03	5.20E-05	9.68E-01	8.07E-03
221	373009	757011	Offsite Worker	1.74E+00	7.93E-05	2.65E-04	1.33E-03	2.23E-02	1.06E-04	1.83E-03	1.83E-05	1.59E-03	2.65E-03	1.04E-03	1.73E-04	1.54E-03	5.13E-05	9.51E-01	7.93E-03
222	372922	757009	Offsite Worker	1.17E+00	5.31E-05	9.45E-05	4.72E-04	1.02E-02	4.86E-05	9.37E-04	9.37E-06	5.67E-04	9.45E-04	3.86E-04	6.43E-05	5.48E-04	1.83E-05	3.53E-01	2.94E-03
223	372835	757007	Offsite Worker	1.22E+00	5.56E-05	-2.08E-04	-1.04E-03	-1.62E-02	-7.71E-05	-6.84E-04	-6.84E-06	-1.25E-03	-2.08E-03	-8.04E-04	-1.34E-04	-1.21E-03	-4.02E-05	-7.38E-01	-6.15E-03
224	372747	757006	Offsite Worker	1.74E+00	7.90E-05	2.48E-05	1.24E-04	7.55E-03	3.60E-05	5.59E-04	5.59E-06	1.49E-04	2.48E-04	1.36E-04	2.27E-05	1.44E-04	4.80E-06	1.24E-01	1.03E-03
225	372660	757004	Offsite Worker	2.09E+00	9.48E-05	1.35E-04	6.75E-04	1.64E-02	7.81E-05	1.11E-03	1.11E-05	8.09E-04	1.35E-03	5.63E-04	9.39E-05	7.82E-04	2.61E-05	5.16E-01	4.30E-03
226	372651	757063	Offsite Worker	1.38E+00	6.27E-05	8.99E-05	4.50E-04	1.03E-02	4.92E-05	7.99E-04	7.99E-06	5.39E-04	8.99E-04	3.71E-04	6.19E-05	5.21E-04	1.74E-05	3.40E-01	2.83E-03
227	372629	756931	Offsite Worker	2.90E+00	1.32E-04	5.29E-04	2.65E-03	4.62E-02	2.20E-04	3.24E-03	3.24E-05	3.18E-03	5.29E-03	2.08E-03	3.47E-04	3.07E-03	1.02E-04	1.91E+00	1.59E-02
228	372631	756857	Offsite Worker	6.44E+00	2.93E-04	2.00E-03	9.99E-03	1.51E-01	7.18E-04	1.10E-02	1.10E-04	1.20E-02	2.00E-02	7.69E-03	1.28E-03	1.16E-02	3.86E-04	7.05E+00	5.87E-02
229	372634	756783	Offsite Worker	5.39E+00	2.45E-04	1.37E-03	6.87E-03	1.06E-01	5.04E-04	7.78E-03	7.78E-05	8.24E-03	1.37E-02	5.30E-03	8.84E-04	7.97E-03	2.66E-04	4.86E+00	4.05E-02
230	372702	756778	Offsite Worker	3.13E+00	1.42E-04	7.01E-04	3.51E-03	5.12E-02	2.44E-04	4.19E-03	4.19E-05	4.21E-03	7.01E-03	2.69E-03	4.48E-04	4.07E-03	1.36E-04	2.46E+00	2.05E-02
231	372756	756775	Offsite Worker	2.73E+00	1.24E-04	7.20E-04	3.60E-03	5.25E-02	2.50E-04	4.27E-03	4.27E-05	4.32E-03	7.20E-03	2.76E-03	4.60E-04	4.18E-03	1.39E-04	2.53E+00	2.11E-02
232	372729	756712	Offsite Worker	2.39E+00	1.09E-04	5.27E-04	2.63E-03	4.11E-02	1.96E-04	3.33E-03	3.33E-05	3.16E-03	5.27E-03	2.04E-03	3.39E-04	3.05E-03	1.02E-04	1.87E+00	1.56E-02
233	372703	756650	Offsite Worker	2.61E+00	1.19E-04	-1.37E-04	-6.86E-04	-9.12E-03	-4.34E-05	-2.20E-04	-2.20E-06	-8.23E-04	-1.37E-03	-5.19E-04	-8.65E-05	-7.96E-04	-2.65E-05	-4.76E-01	-3.97E-03
234	372677	756588	Offsite Worker	3.44E+00	1.57E-04	-8.25E-05	-4.13E-04	-6.73E-03	-3.20E-05	8.50E-05	8.50E-07	-4.95E-04	-8.25E-04	-3.21E-04	-5.35E-05	-4.79E-04	-1.60E-05	-2.94E-01	-2.45E-03
235	372619	756588	Offsite Worker	3.58E+00	1.63E-04	3.12E-04	1.56E-03	2.26E-02	1.08E-04	2.24E-03	2.24E-05	1.87E-03	3.12E-03	1.20E-03	1.99E-04	1.81E-03	6.04E-05	1.10E+00	9.13E-03
236	372622	756509	Offsite Worker	6.16E+00	2.80E-04	8.32E-04	4.16E-03	5.64E-02	2.68E-04	5.04E-03	5.04E-05	4.99E-03	8.32E-03	3.15E-03	5.26E-04	4.82E-03	1.61E-04	2.89E+00	2.41E-02
237	372700	756511	Offsite Worker	5.02E+00	2.28E-04	5.59E-04	2.80E-03	3.64E-02	1.74E-04	3.43E-03	3.43E-05	3.35E-03	5.59E-03	2.11E-03	3.52E-04	3.24E-03	1.08E-04	1.94E+00	1.61E-02
238	372789	756510	Offsite Worker	3.48E+00	1.58E-04	5.19E-04	2.59E-03	3.72E-02	1.77E-04	3.39E-03	3.39E-05	3.11E-03	5.19E-03	1.98E-03	3.30E-04	3.01E-03	1.00E-04	1.82E+00	1.52E-02
239	372871	756509	Offsite Worker	2.05E+00	9.30E-05	1.94E-04	9.68E-04	1.76E-02	8.40E-05	1.85E-03	1.85E-05	1.16E-03	1.94E-03	7.67E-04	1.28E-04	1.12E-03	3.74E-05	7.03E-01	5.86E-03
240	372871	756437	Offsite Worker	2.72E+00	1.23E-04	-1.88E-04	-9.38E-04	-1.23E-02	-5.86E-05	4.55E-05	4.55E-07	-1.13E-03	-1.88E-03	-7.09E-04	-1.18E-04	-1.09E-03	-3.63E-05	-6.50E-01	-5.42E-03
241	372970	756437	Offsite Worker	2.03E+00	9.24E-05	-7.28E-04	-3.64E-03	-4.93E-02	-2.35E-04	-2.85E-03	-2.85E-05	-4.37E-03	-7.28E-03	-2.76E-03	-4.60E-04	-4.23E-03	-1.41E-04	-2.53E+00	-2.11E-02
242	373069	756437	Offsite Worker	1.23E+00	5.59E-05	-7.99E-04	-3.99E-03	-5.64E-02	-2.69E-04	-3.38E-03	-3.38E-05	-4.79E-03	-7.99E-03	-3.05E-03	-5.08E-04	-4.63E-03	-1.54E-04	-2.79E+00	-2.33E-02
243	373168	756437	Offsite Worker	4.35E-01	1.98E-05	-6.10E-04	-3.05E-03	-4.69E-02	-2.24E-04	-2.60E-03	-2.60E-05	-3.66E-03	-6.10E-03	-2.35E-03	-3.92E-04	-3.54E-03	-1.18E-04	-2.16E+00	-1.80E-02
244	373267	756437	Offsite Worker	-2.29E-01	-1.04E-05	-7.42E-04	-3.71E-03	-5.49E-02	-2.61E-04	-3.29E-03	-3.29E-05	-4.45E-03	-7.42E-03	-2.85E-03	-4.74E-04	-4.30E-03	-1.43E-04	-2.61E+00	-2.17E-02
245	373412	756437	Offsite Worker	-1.61E-01	-7.33E-06	-6.82E-04	-3.41E-03	-4.88E-02	-2.33E-04	-3.01E-03	-3.01E-05	-4.09E-03	-6.82E-03	-2.61E-03	-4.34E-04	-3.96E-03	-1.32E-04	-2.39E+00	-1.99E-02
246	373409	756339	Offsite Worker	2.34E-01	1.06E-05	-6.31E-04	-3.15E-03	-3.64E-02	-1.73E-04	-2.61E-03	-2.61E-05	-3.79E-03	-6.31E-03	-2.35E-03	-3.91E-04	-3.66E-03	-1.22E-04	-2.15E+00	-1.80E-02
247	373406	756240	Offsite Worker	5.64E-01	2.56E-05	-5.68E-04	-2.84E-03	-2.53E-02	-1.20E-04	-2.22E-03	-2.22E-05	-3.41E-03	-5.68E-03	-2.06E-03	-3.43E-04	-3.29E-03	-1.10E-04	-1.89E+00	-1.58E-02
248	373403	756142	Offsite Worker	1.10E+00	5.01E-05	-2.99E-04	-1.50E-03	2.21E-02	1.05E-04	-6.22E-04	-6.22E-06	-1.80E-03	-2.99E-03	-8.32E-04	-1.39E-04	-1.74E-03	-5.79E-05	-7.69E-01	-6.41E-03
249	373400	756042	Offsite Worker	3.74E-01	1.70E-05	-9.18E-04	-4.59E-03	-4.51E-02	-2.15E-04	-4.11E-03	-4.11E-05	-5.51E-03	-9.18E-03	-3.36E-03	-5.60E-04	-5.33E-03	-1.78E-04	-3.08E+00	-2.57E-02
250	373397	755944	Offsite Worker	-8.48E-01	-3.86E-05	-1.00E-03	-5.01E-03	-5.38E-02	-2.56E-04	-4.61E-03	-4.61E-05	-6.02E-03	-1.00E-02	-3.70E-03	-6.17E-04	-5.82E-03	-1.94E-04	-3.40E+00	-2.83E-02
251	373393	755846	Offsite Worker	-8.81E-01	-4.00E-05	-1.40E-03	-6.98E-03	-7.89E-02	-3.76E-04	-6.55E-03	-6.55E-05	-8.37E-03	-1.40E-02	-5.18E-03	-8.64E-04	-8.10E-03	-2.70E-04	-4.76E+00	-3.96E-02
252	373390	755747	Offsite Worker	-1.33E+00	-6.03E-05	-1.26E-03	-6.32E-03	-6.69E-02	-3.19E-04	-5.86E-03	-5.86E-05	-7.58E-03	-1.26E-02	-4.66E-03	-7.77E-04	-7.33E-03	-2.44E-04	-4.28E+00	-3.56E-02
253	373309	755744	Offsite Worker	-1.46E+00	-6.63E-05	-1.31E-03	-6.55E-03	-6.72E-02	-3.20E-04	-6.06E-03	-6.06E-05	-7.86E-03	-1.31E-02	-4.82E-03	-8.03E-04	-7.60E-03	-2.53E-04	-4.42E+00	-3.68E-02
254	373229	755743	Offsite Worker	-1.51E+00	-6.84E-05	-1.38E-03	-6.88E-03	-6.96E-02	-3.31E-04	-6.37E-03	-6.37E-05	-8.26E-03	-1.38E-02	-5.05E-03	-8.42E-04	-7.98E-03	-2.66E-04	-4.64E+00	-3.86E-02
255	373143	755741	Offsite Worker	-1.50E+00	-6.83E-05	-1.51E-03	-7.54E-03	-7.79E-02	-3.71E-04	-7.02E-03	-7.02E-05	-9.05E-03	-1.51E-02	-5.55E-03	-9.24E-04	-8.75E-03	-2.92E-04	-5.09E+00	-4.24E-02
256	373143	755823	Offsite Worker	-1.65E+00	-7.49E-05	-1.59E-03	-7.95E-03	-7.83E-02	-3.73E-04	-7.39E-03	-7.39E-05	-9.54E-03	-1.59E-02	-5.82E-03	-9.70E-04	-9.22E-03	-3.07E-04	-5.34E+00	-4.45E-02
257	373143	755906	Offsite Worker	-1.66E+00	-7.53E-05	-1.35E-03	-6.77E-03	-6.15E-02	-2.93E-04	-6.24E-03	-6.24E-05	-8.12E-03	-1.35E-02	-4.92E-03	-8.20E-04	-7.85E-03	-2.62E-04	-4.52E+00	-3.76E-02
258	373065	755906	Offsite Worker	-1.99E+00	-9.03E-05	-1.41E-03	-7.04E-03	-6.21E-02	-2.96E-04	-6.49E-03	-6.49E-05	-8.45E-03	-1.41E-02	-5.10E-03	-8.51E-04	-8.17E-03	-2.72E-04	-4.69E+00	-3.91E-02
259	373065	755827	Offsite Worker	-2.06E+00	-9.36E-05	-1.81E-03	-9.07E-03	-8.65E-02	-4.12E-04	-8.47E-03	-8.47E-05	-1.09E-02	-1.81E-02	-6.62E-03	-1.10E-03	-1.05E-02	-3.51E-04	-6.08E+00	-5.07E-02
260	373068	755733	Offsite Worker	-1.37E+00	-6.24E-05	-1.56E-03	-7.81E-03	-7.79E-02	-3.71E-04	-7.25E-03	-7.25E-05	-9.37E-03	-1.56E-02	-5.72E-03	-9.54E-04	-9.06E-03	-3.02E-04	-5.25E+00	-4.38E-02

Table 3-4B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 4, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m³)	xylene, total Acute Hazard	arsenic (µg/m³)	arsenic Acute Hazard	chlorine (µg/m³)	chlorine Acute Hazard	copper (µg/m³)	copper Acute Hazard	mercury (µg/m³)	mercury Acute Hazard	nickel (µg/m³)	nickel Acute Hazard	vanadium (µg/m³)	vanadium Acute Hazard	sulfates (µg/m³)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
261	373007	755733	Offsite Worker	-1.39E+00	-6.30E-05	-1.60E-03	-8.02E-03	-8.15E-02	-3.88E-04	-7.46E-03	-7.46E-05	-9.62E-03	-1.60E-02	-5.89E-03	-9.82E-04	-9.30E-03	-3.10E-04	-5.41E+00	-4.50E-02
262	372941	755733	Offsite Worker	-1.52E+00	-6.92E-05	-1.69E-03	-8.44E-03	-8.65E-02	-4.12E-04	-7.88E-03	-7.88E-05	-1.01E-02	-1.69E-02	-6.20E-03	-1.03E-03	-9.79E-03	-3.26E-04	-5.69E+00	-4.74E-02
263	372941	755636	Offsite Worker	-7.51E-01	-3.42E-05	-1.61E-03	-8.03E-03	-9.68E-02	-4.61E-04	-7.65E-03	-7.65E-05	-9.63E-03	-1.61E-02	-6.00E-03	-1.00E-03	-9.31E-03	-3.10E-04	-5.51E+00	-4.59E-02
264	372941	755539	Offsite Worker	-7.68E-01	-3.49E-05	-1.73E-03	-8.65E-03	-1.06E-01	-5.04E-04	-8.37E-03	-8.37E-05	-1.04E-02	-1.73E-02	-6.48E-03	-1.08E-03	-1.00E-02	-3.34E-04	-5.95E+00	-4.96E-02
265	372941	755442	Offsite Worker	-5.86E-01	-2.66E-05	-2.33E-03	-1.17E-02	-1.50E-01	-7.12E-04	-1.15E-02	-1.15E-04	-1.40E-02	-2.33E-02	-8.79E-03	-1.46E-03	-1.35E-02	-4.51E-04	-8.06E+00	-6.72E-02
266	372913	755342	Offsite Worker	-1.57E+00	-7.12E-05	-3.68E-03	-1.84E-02	-2.45E-01	-1.17E-03	-1.84E-02	-1.84E-04	-2.21E-02	-3.68E-02	-1.39E-02	-2.32E-03	-2.14E-02	-7.12E-04	-1.28E+01	-1.07E-01
267	372817	755346	Offsite Worker	-2.13E+00	-9.67E-05	-4.71E-03	-2.35E-02	-3.17E-01	-1.51E-03	-2.36E-02	-2.36E-04	-2.82E-02	-4.71E-02	-1.78E-02	-2.97E-03	-2.73E-02	-9.10E-04	-1.64E+01	-1.36E-01
268	372720	755349	Offsite Worker	-3.16E+00	-1.43E-04	-7.09E-03	-3.55E-02	-4.84E-01	-2.31E-03	-3.58E-02	-3.58E-04	-4.26E-02	-7.09E-02	-2.69E-02	-4.49E-03	-4.11E-02	-1.37E-03	-2.47E+01	-2.06E-01
269	372624	755352	Offsite Worker	-3.65E+00	-1.66E-04	-9.75E-03	-4.88E-02	-6.65E-01	-3.17E-03	-4.93E-02	-4.93E-04	-5.85E-02	-9.75E-02	-3.70E-02	-6.17E-03	-5.66E-02	-1.89E-03	-3.40E+01	-2.83E-01
270	372527	755349	Offsite Worker	-3.66E+00	-1.66E-04	-6.75E-03	-3.37E-02	-4.62E-01	-2.20E-03	-3.40E-02	-3.40E-04	-4.05E-02	-6.75E-02	-2.56E-02	-4.27E-03	-3.91E-02	-1.30E-03	-2.35E+01	-1.96E-01
271	372431	755353	Offsite Worker	-4.17E+00	-1.89E-04	-5.52E-03	-2.76E-02	-3.84E-01	-1.83E-03	-2.78E-02	-2.78E-04	-3.31E-02	-5.52E-02	-2.10E-02	-3.50E-03	-3.20E-02	-1.07E-03	-1.93E+01	-1.61E-01
272	372334	755356	Offsite Worker	-2.96E+00	-1.35E-04	-5.13E-03	-2.56E-02	-3.57E-01	-1.70E-03	-2.58E-02	-2.58E-04	-3.08E-02	-5.13E-02	-1.95E-02	-3.25E-03	-2.97E-02	-9.92E-04	-1.79E+01	-1.49E-01
273	372237	755359	Offsite Worker	-3.11E+00	-1.41E-04	-5.44E-03	-2.72E-02	-3.79E-01	-1.81E-03	-2.74E-02	-2.74E-04	-3.27E-02	-5.44E-02	-2.07E-02	-3.45E-03	-3.16E-02	-1.05E-03	-1.90E+01	-1.58E-01
274	372141	755362	Offsite Worker	-9.77E-01	-4.44E-05	-9.88E-03	-4.94E-02	-6.87E-01	-3.27E-03	-5.00E-02	-5.00E-04	-5.93E-02	-9.88E-02	-3.76E-02	-6.27E-03	-5.73E-02	-1.91E-03	-3.45E+01	-2.87E-01
275	372044	755366	Offsite Worker	-1.50E+00	-6.81E-05	-1.05E-02	-5.23E-02	-7.28E-01	-3.47E-03	-5.30E-02	-5.30E-04	-6.28E-02	-1.05E-01	-3.98E-02	-6.64E-03	-6.07E-02	-2.02E-03	-3.65E+01	-3.04E-01
276	371948	755369	Offsite Worker	-1.03E+00	-4.67E-05	-5.70E-03	-2.85E-02	-4.00E-01	-1.91E-03	-2.89E-02	-2.89E-04	-3.42E-02	-5.70E-02	-2.17E-02	-3.62E-03	-3.31E-02	-1.10E-03	-1.99E+01	-1.66E-01
277	371851	755372	Offsite Worker	-2.93E+00	-1.33E-04	-4.75E-03	-2.38E-02	-3.35E-01	-1.60E-03	-2.40E-02	-2.40E-04	-2.85E-02	-4.75E-02	-1.81E-02	-3.02E-03	-2.76E-02	-9.18E-04	-1.66E+01	-1.38E-01
278	371755	755375	Offsite Worker	-5.29E+00	-2.41E-04	-4.81E-03	-2.41E-02	-3.34E-01	-1.59E-03	-2.42E-02	-2.42E-04	-2.89E-02	-4.81E-02	-1.83E-02	-3.05E-03	-2.79E-02	-9.31E-04	-1.68E+01	-1.40E-01
279	371658	755378	Offsite Worker	-6.73E+00	-3.06E-04	-4.49E-03	-2.25E-02	-3.11E-01	-1.48E-03	-2.25E-02	-2.25E-04	-2.69E-02	-4.49E-02	-1.71E-02	-2.85E-03	-2.60E-02	-8.68E-04	-1.57E+01	-1.31E-01
280	371562	755382	Offsite Worker	-5.36E+00	-2.44E-04	-3.58E-03	-1.79E-02	-2.46E-01	-1.17E-03	-1.79E-02	-1.79E-04	-2.15E-02	-3.58E-02	-1.36E-02	-2.27E-03	-2.08E-02	-6.92E-04	-1.25E+01	-1.04E-01
281	371465	755385	Offsite Worker	-3.89E+00	-1.77E-04	-2.73E-03	-1.36E-02	-1.87E-01	-8.93E-04	-1.36E-02	-1.36E-04	-1.64E-02	-2.73E-02	-1.04E-02	-1.73E-03	-1.58E-02	-5.27E-04	-9.50E+00	-7.92E-02
282	371368	755388	Offsite Worker	-2.91E+00	-1.32E-04	-1.93E-03	-9.66E-03	-1.40E-01	-6.65E-04	-9.66E-03	-9.66E-05	-1.16E-02	-1.93E-02	-7.39E-03	-1.23E-03	-1.12E-02	-3.74E-04	-6.78E+00	-5.65E-02
283	371272	755391	Offsite Worker	-1.50E+00	-6.83E-05	-1.99E-03	-9.96E-03	-1.52E-01	-7.23E-04	-1.00E-02	-1.00E-04	-1.19E-02	-1.99E-02	-7.67E-03	-1.28E-03	-1.15E-02	-3.85E-04	-7.04E+00	-5.86E-02
284	371175	755395	Offsite Worker	-2.65E-01	-1.20E-05	-1.99E-03	-9.95E-03	-1.51E-01	-7.21E-04	-9.95E-03	-9.95E-05	-1.19E-02	-1.99E-02	-7.67E-03	-1.28E-03	-1.15E-02	-3.85E-04	-7.03E+00	-5.86E-02
285	371079	755398	Offsite Worker	4.61E-01	2.10E-05	-1.97E-03	-9.83E-03	-1.44E-01	-6.86E-04	-9.77E-03	-9.77E-05	-1.18E-02	-1.97E-02	-7.53E-03	-1.26E-03	-1.14E-02	-3.80E-04	-6.91E+00	-5.76E-02
286	371042	755478	Offsite Worker	1.62E-01	7.38E-06	-1.78E-03	-8.88E-03	-1.31E-01	-6.22E-04	-8.73E-03	-8.73E-05	-1.07E-02	-1.78E-02	-6.81E-03	-1.14E-03	-1.03E-02	-3.43E-04	-6.25E+00	-5.21E-02
287	371009	755538	Offsite Worker	2.59E-01	1.18E-05	-2.27E-03	-1.13E-02	-1.76E-01	-8.36E-04	-1.15E-02	-1.15E-04	-1.36E-02	-2.27E-02	-8.76E-03	-1.46E-03	-1.32E-02	-4.38E-04	-8.03E+00	-6.69E-02
288	370975	755597	Offsite Worker	1.23E+00	5.59E-05	-2.31E-03	-1.16E-02	-1.73E-01	-8.23E-04	-1.15E-02	-1.15E-04	-1.39E-02	-2.31E-02	-8.89E-03	-1.48E-03	-1.34E-02	-4.47E-04	-8.15E+00	-6.79E-02
289	370925	755597	Offsite Worker	4.23E-01	1.92E-05	-2.52E-03	-1.26E-02	-1.84E-01	-8.78E-04	-1.25E-02	-1.25E-04	-1.51E-02	-2.52E-02	-9.64E-03	-1.61E-03	-1.46E-02	-4.86E-04	-8.84E+00	-7.37E-02
290	370860	755547	Offsite Worker	-4.27E+00	-1.94E-04	-2.92E-03	-1.46E-02	-2.11E-01	-1.00E-03	-1.45E-02	-1.45E-04	-1.75E-02	-2.92E-02	-1.12E-02	-1.86E-03	-1.69E-02	-5.64E-04	-1.02E+01	-8.53E-02
291	370796	755497	Offsite Worker	-1.81E+00	-8.25E-05	-3.14E-03	-1.57E-02	-2.18E-01	-1.04E-03	-1.54E-02	-1.54E-04	-1.88E-02	-3.14E-02	-1.19E-02	-1.99E-03	-1.82E-02	-6.07E-04	-1.10E+01	-9.13E-02
292	370733	755428	Offsite Worker	-2.35E+00	-1.07E-04	-2.01E-03	-1.01E-02	-1.42E-01	-6.76E-04	-9.62E-03	-9.62E-05	-1.21E-02	-2.01E-02	-7.68E-03	-1.28E-03	-1.17E-02	-3.89E-04	-7.04E+00	-5.87E-02
293	370634	755428	Offsite Worker	-5.66E-01	-2.57E-05	-2.64E-03	-1.32E-02	-1.83E-01	-8.73E-04	-1.26E-02	-1.26E-04	-1.58E-02	-2.64E-02	-1.00E-02	-1.67E-03	-1.53E-02	-5.10E-04	-9.21E+00	-7.67E-02
294	370536	755428	Offsite Worker	-1.87E+00	-8.52E-05	-5.74E-03	-2.87E-02	-3.99E-01	-1.90E-03	-2.85E-02	-2.85E-04	-3.44E-02	-5.74E-02	-2.18E-02	-3.64E-03	-3.33E-02	-1.11E-03	-2.00E+01	-1.67E-01
295	370437	755428	Offsite Worker	-1.30E+00	-5.90E-05	-5.28E-03	-2.64E-02	-3.67E-01	-1.75E-03	-2.61E-02	-2.61E-04	-3.17E-02	-5.28E-02	-2.01E-02	-3.35E-03	-3.06E-02	-1.02E-03	-1.84E+01	-1.54E-01
296	370338	755427	Offsite Worker	-2.19E+00	-9.95E-05	-5.15E-03	-2.57E-02	-3.61E-01	-1.72E-03	-2.55E-02	-2.55E-04	-3.09E-02	-5.15E-02	-1.96E-02	-3.27E-03	-2.99E-02	-9.95E-04	-1.80E+01	-1.50E-01
307	369249	755442	Offsite Worker	-1.72E+00	-7.83E-05	-2.07E-03	-1.04E-02	-1.50E-01	-7.14E-04	-1.03E-02	-1.03E-04	-1.24E-02	-2.07E-02	-7.92E-03	-1.32E-03	-1.20E-02	-4.00E-04	-7.27E+00	-6.05E-02
308	369151	755442	Offsite Worker	-1.49E+00	-6.78E-05	-1.74E-03	-8.68E-03	-1.23E-01	-5.87E-04	-8.56E-03	-8.56E-05	-1.04E-02	-1.74E-02	-6.63E-03	-1.10E-03	-1.01E-02	-3.36E-04	-6.08E+00	-5.06E-02
309	369052	755442	Offsite Worker	-1.11E+00	-5.06E-05	-1.27E-03	-6.36E-03	-8.61E-02	-4.10E-04	-6.16E-03	-6.16E-05	-7.64E-03	-1.27E-02	-4.83E-03	-8.04E-04	-7.38E-03	-2.46E-04	-4.43E+00	-3.69E-02
320	368035	755402	Offsite Worker	-2.54E-01	-1.16E-05	-1.30E-03	-6.50E-03	-9.25E-02	-4.40E-04	-6.35E-03	-6.35E-05	-7.80E-03	-1.30E-02	-4.96E-03	-8.27E-04	-7.54E-03	-2.51E-04	-4.55E+00	-3.79E-02
321	367960	755389	Offsite Worker	-2.10E-01	-9.55E-06	-1.30E-03	-6.49E-03	-9.30E-02	-4.43E-04	-6.35E-03	-6.35E-05	-7.79E-03	-1.30E-02	-4.96E-03	-8.26E-04	-7.53E-03	-2.51E-04	-4.55E+00	-3.79E-02
322	367863	755390	Offsite Worker	-9.10E-02	-4.14E-06	-1.19E-03	-5.97E-03	-8.90E-02	-4.24E-04	-5.86E-03	-5.86E-05	-7.16E-03	-1.19E-02	-4.58E-03	-7.64E-04	-6.92E-03	-2.31E-04	-4.20E+00	-3.50E-02
323	367766	755392	Offsite Worker	1.17E-01	5.31E-06	-9.79E-04	-4.90E-03	-7.37E-02	-3.51E-04	-4.78E-03	-4.78E-05	-5.88E-03	-9.79E-03	-3.77E-03	-6.28E-04	-5.68E-03	-1.89E-04	-3.45E+00	-2.88E-02
324	367669	755393	Offsite Worker	-4.16E-01	-1.89E-05	-7.06E-04	-3.53E-03	-5.37E-02	-2.56E-04	-3.40E-03	-3.40E-05	-4.24E-03	-7.06E-03	-2.72E-03	-4.53E-04	-4.10E-03	-1.37E-04	-2.49E+00	-2.08E-02
325	367572	755394	Offsite Worker	-9.72E-01	-4.42E-05	-5.86E-04	-2.93E-03	-4.37E-02	-2.08E-04	-2.78E-03	-2.78E-05	-3.52E-03	-5.86E-03	-2.25E-03	-3.75E-04	-3.40E-03	-1.13E-04	-2.06E+00	-1.72E-02
326	367475	755395	Offsite Worker	-1.36E+00	-6.16E-05	-6.81E-04	-3.41E-03	-4.84E-02	-2.30E-04	-3.28E-03	-3.28E-05	-4.09E-03	-6.81E-03	-2.60E-03	-4.33E-04	-3.95E-03	-1.32E-04	-2.38E+00	-1.99E-02
327	370400	756850	On-Site Occupational	-1.03E+01	-4.67E-04	-3.53E-03	-1.76E-02	-2.37E-01	-1.13E-03	-1.74E-02	-1.74E-04	-2.12E-02	-3.53E-02	-1.34E-02	-2.23E-03	-2.04E-02	-6.82E-04	-1.23E+01	-1.02E-01
1	367379	755396	Recreational	-1.56E+00	-7.08E-05	-6.93E-04	-3.47E-03	-4.98E-02	-2.37E-04	-3.35E-03	-3.35E-05	-4.16E-03	-6.93E-03	-2.65E-03	-4.42E-04	-4.02E-03	-1.34E-04	-2.43E+00	-2.02E-02
2	367340	755485	Recreational	-1.25E+00	-5.67E-05	-6.58E-04	-3.29E-03	-4.93E-02	-2.35E-04	-3.19E-03	-3.19E-05	-3.95E-03	-6.58E-03	-2.53E-03	-4.21E-04	-3.82E-03	-1.27E-04	-2.32E+00	-1.93E-02
3	367301	755573	Recreational	-2.04E+00	-9.28E-05	-7.60E-04	-3.80E-03	-5.99E-02	-2.85E-04	-3.70E-03	-3.70E-05	-4.56E-03	-7.60E-03	-2.94E-03	-4.90E-04	-4.41E-03	-1.47E-04	-2.70E+00	-2.25E-02
4	367263	755661	Recreational	-2.62E+00	-1.19E-04	-8.71E-04	-4.36E-03	-7.00E-02	-3.33E-04	-4.23E-03	-4.23E-05	-5.23E-03	-8.71E-03	-3.38E-03	-5.64E-04	-5.05E-03	-1.68E-04	-3.10E+00	-2.58E-02
5	367224	755749	Recreational	-1.50E+00	-6.82E-05	-7.68E-04	-3.84E-03	-6.19E-02	-2.95E-04	-3.70E-03	-3.70E-05	-4.61E-03	-7.68E-03	-2.98E-03	-4.97E-04	-4.45E-03	-1.48E-04	-2.74E+00	-2.28E-02
6	367186	755838	Recreational	-1.33E-01	-6.03E-06	-6.84E-04	-3.42E-03	-5.40E-02	-2.57E-04	-3.24E-03	-3.24E-05	-4.10E-03	-6.84E-03	-2.65E-03	-4.42E-04	-3.97E-03	-1.32E-04	-2.43E+00	-2.02E-02
7	367147	755926	Recreational	5.26E-01	2.39E-05	-4.84E-04	-2.42E-03	-3.19E-02	-1.52E-04	-2.12E-03	-2.12E-05	-2.90E-03	-4.84E-03	-1.83E-03	-3.05E-04	-2.81E-03	-9.36E-05	-1.68E+00	-1.40E-02
8	367109	756014	Recreational	7.15E-01	3.25E-05	-5.61E-04	-2.81E-03	-3.77E-02	-1.79E-04	-2.50E-03	-2.50E-05	-3.37E-03	-5.61E-03	-2.13E-03	-3.54E-04	-3.26E-03	-1.09E-04	-1.95E+00	-1.63E-02
9	367070	756103	Recreational	1.92E+00	8.72E-05	-6.31E-04	-3.15E-03	-4.08E-02	-1.94E-04	-2.79E-03	-2.79E-05	-3.78E-03	-6.31E-03	-2.38E-03	-3.96E-04	-3.66E-03	-1.22E-04	-2.18E+00	-1.82E-02
10	367032	756191	Recreational	1.95E+00	8.87E-05	-3.79E-04	-1.90E-03	-1.97E-02	-9.39E-05	-1.45E-03	-1.45E-05	-2.28E-03	-3.79E-03	-1.40E-03	-2.33E-04	-2.20E-03	-7.34E-05	-1.28E+00	-1.07E-02
11	366993	756279	Recreational	5.11E-01	2.32E-05	-7.11E-04	-3.55E-03	-4.51E-02	-2.15E-04	-3.18E-03	-3.18E-05	-4.27E-03	-7.11E-03	-2.67E-03	-4.46E-04	-4.12E-03	-1.37E-04	-2.45E+00	-2.04E-02
12	366954	756367	Recreational	-1.31E-01	-5.98E-06	-8.14E-04	-4.07E-03	-5.49E-02	-2.61E-04	-3.76E-03	-3.76E-05	-4.88E-03	-8.14E-03	-3.08E-03	-5.14E-04	-4.72E-03	-1.57E-04	-2.83E+00	-2.36E-02
13	366916	756456	Recreational	7.06E-01	3.21E-05	-5.47E-04	-2.74E-03	-3.65E-02	-1.74E-04	-2.44E-03	-2.44E-05	-3.28E-03	-5.47E-03	-2.07E-03	-3.45E-04	-3.18E-03	-1.06E-04	-1.90E+00	-1.58E-02
14	366877	756544	Recreational	9.67E-01	4.39E-05	-2.99E-04	-1.50E-03	-1.75E-02	-8.33E-05	-1.16E-03	-1.16E-05	-1.80E-03	-2.99E-03	-1.12E-03	-1.86E-04	-1.74E-03	-5.79E-05	-1.02E+00	-8.53E-03
15	366839	756632	Recreational	3.22E-01	1.47E-05	-4.97E-04	-2.48E-03	-3.09E-02	-1.47E-04	-2.16E-03	-2.16E-05	-2.98E-03	-4.97E-03	-1.86E-03	-3.11E-04	-2.88E-03	-9.60E-05	-1.71E+00	-1.42E-02
16	366800	756720	Recreational	1.90E-01	8.64E-06	-3.80E-04	-1.90E-03	-2.27E-02	-1.08E-04	-1.60E-03	-1.60E-05	-2.28E-03	-3.80E-03	-1.42E-03	-2.37E-04	-2.21E-03	-7.35E-05	-1.30E+00	-1.09E-02
17	366762	756809	Recreational	7.47E-02	3.40E-06	-2.59E-04	-1.30E-03	-1.61E-02	-7.66E-05	-1.03E-03	-1.03E-05	-1.56E-03	-2.59E-03	-9.73E-04	-1.62E-04	-1.51E-03	-5.02E-05	-8.93E-01	-7.44E-03
18	366723	756897	Recreational	1.30E-01	5.91E-06	-4.35E-04	-2.18E-03	-2.61E-02	-1.24E-04	-1.89E-03	-1.89E-05	-2.61E-03	-4.35E-03	-1.63E-03	-2.71E-04	-2.52E-03	-8.41E-05	-1.49E+00	-1.24E-02

Table 3-4B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 4, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m³)	xylene, total Acute Hazard	arsenic (µg/m³)	arsenic Acute Hazard	chlorine (µg/m³)	chlorine Acute Hazard	copper (µg/m³)	copper Acute Hazard	mercury (µg/m³)	mercury Acute Hazard	nickel (µg/m³)	nickel Acute Hazard	vanadium (µg/m³)	vanadium Acute Hazard	sulfates (µg/m³)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
19	366685	756985	Recreational	-4.86E-02	-2.21E-06	-4.60E-04	-2.30E-03	-2.41E-02	-1.15E-04	-1.99E-03	-1.99E-05	-2.76E-03	-4.60E-03	-1.70E-03	-2.83E-04	-2.67E-03	-8.90E-05	-1.56E+00	-1.30E-02
20	366646	757074	Recreational	8.68E-02	3.95E-06	-4.76E-04	-2.38E-03	-2.62E-02	-1.25E-04	-2.08E-03	-2.08E-05	-2.86E-03	-4.76E-03	-1.76E-03	-2.94E-04	-2.76E-03	-9.21E-05	-1.62E+00	-1.35E-02
21	366607	757162	Recreational	9.19E-02	4.18E-06	-4.54E-04	-2.27E-03	-3.01E-02	-1.43E-04	-2.03E-03	-2.03E-05	-2.72E-03	-4.54E-03	-1.72E-03	-2.86E-04	-2.63E-03	-8.77E-05	-1.57E+00	-1.31E-02
22	366569	757250	Recreational	-2.87E-02	-1.30E-06	-5.49E-04	-2.75E-03	-3.48E-02	-1.65E-04	-2.52E-03	-2.52E-05	-3.30E-03	-5.49E-03	-2.07E-03	-3.44E-04	-3.19E-03	-1.06E-04	-1.90E+00	-1.58E-02
23	366530	757338	Recreational	-3.08E-01	-1.40E-05	-5.13E-04	-2.56E-03	-3.29E-02	-1.57E-04	-2.36E-03	-2.36E-05	-3.08E-03	-5.13E-03	-1.93E-03	-3.22E-04	-2.97E-03	-9.91E-05	-1.77E+00	-1.48E-02
24	366492	757427	Recreational	5.83E-02	2.65E-06	-4.62E-04	-2.31E-03	-2.82E-02	-1.34E-04	-2.10E-03	-2.10E-05	-2.77E-03	-4.62E-03	-1.73E-03	-2.88E-04	-2.68E-03	-8.93E-05	-1.59E+00	-1.32E-02
25	366453	757515	Recreational	3.46E-01	1.57E-05	-4.24E-04	-2.12E-03	-2.73E-02	-1.30E-04	-1.94E-03	-1.94E-05	-2.54E-03	-4.24E-03	-1.60E-03	-2.66E-04	-2.46E-03	-8.19E-05	-1.46E+00	-1.22E-02
26	366415	757603	Recreational	4.37E-01	1.99E-05	-4.14E-04	-2.07E-03	-2.72E-02	-1.30E-04	-1.90E-03	-1.90E-05	-2.49E-03	-4.14E-03	-1.57E-03	-2.61E-04	-2.40E-03	-8.01E-05	-1.44E+00	-1.20E-02
27	366376	757692	Recreational	4.02E-01	1.83E-05	-4.48E-04	-2.24E-03	-2.94E-02	-1.40E-04	-2.06E-03	-2.06E-05	-2.69E-03	-4.48E-03	-1.69E-03	-2.82E-04	-2.60E-03	-8.66E-05	-1.55E+00	-1.29E-02
84	369336	758100	Recreational	-1.75E-01	-7.97E-06	-1.52E-03	-7.59E-03	-1.03E-01	-4.88E-04	-7.22E-03	-7.22E-05	-9.11E-03	-1.52E-02	-5.76E-03	-9.59E-04	-8.81E-03	-2.94E-04	-5.28E+00	-4.40E-02
85	369269	758170	Recreational	-9.26E-02	-4.21E-06	-1.62E-03	-8.08E-03	-1.08E-01	-5.13E-04	-7.69E-03	-7.69E-05	-9.70E-03	-1.62E-02	-6.12E-03	-1.02E-03	-9.37E-03	-3.12E-04	-5.61E+00	-4.68E-02
86	369202	758239	Recreational	-2.37E-01	-1.08E-05	-1.69E-03	-8.47E-03	-1.14E-01	-5.40E-04	-8.13E-03	-8.13E-05	-1.02E-02	-1.69E-02	-6.42E-03	-1.07E-03	-9.83E-03	-3.28E-04	-5.89E+00	-4.91E-02
87	369264	758285	Recreational	-1.31E-01	-5.95E-06	-1.12E-03	-5.59E-03	-7.42E-02	-3.53E-04	-5.21E-03	-5.21E-05	-6.71E-03	-1.12E-02	-4.23E-03	-7.05E-04	-6.48E-03	-2.16E-04	-3.88E+00	-3.23E-02
88	369326	758330	Recreational	1.79E-01	8.14E-06	-1.26E-03	-6.29E-03	-8.46E-02	-4.03E-04	-5.98E-03	-5.98E-05	-7.54E-03	-1.26E-02	-4.76E-03	-7.94E-04	-7.29E-03	-2.43E-04	-4.37E+00	-3.64E-02
89	369389	758376	Recreational	-1.29E-01	-5.85E-06	-1.14E-03	-5.70E-03	-7.92E-02	-3.77E-04	-5.48E-03	-5.48E-05	-6.84E-03	-1.14E-02	-4.34E-03	-7.23E-04	-6.61E-03	-2.20E-04	-3.98E+00	-3.32E-02
90	369389	758462	Recreational	-3.85E-01	-1.75E-05	-1.02E-03	-5.09E-03	-7.18E-02	-3.42E-04	-4.88E-03	-4.88E-05	-6.11E-03	-1.02E-02	-3.88E-03	-6.47E-04	-5.90E-03	-1.97E-04	-3.56E+00	-2.97E-02
91	369389	758548	Recreational	-6.24E-01	-2.84E-05	-1.04E-03	-5.18E-03	-7.28E-02	-3.47E-04	-4.97E-03	-4.97E-05	-6.21E-03	-1.04E-02	-3.95E-03	-6.58E-04	-6.01E-03	-2.00E-04	-3.62E+00	-3.02E-02
28	366338	757780	Residential	2.63E-01	1.20E-05	-3.50E-04	-1.75E-03	-2.34E-02	-1.11E-04	-1.59E-03	-1.59E-05	-2.10E-03	-3.50E-03	-1.33E-03	-2.21E-04	-2.03E-03	-6.77E-05	-1.22E+00	-1.01E-02
29	366402	757746	Residential	2.95E-01	1.34E-05	-3.75E-04	-1.87E-03	-2.49E-02	-1.18E-04	-1.70E-03	-1.70E-05	-2.25E-03	-3.75E-03	-1.42E-03	-2.36E-04	-2.17E-03	-7.25E-05	-1.30E+00	-1.08E-02
30	366467	757713	Residential	3.24E-01	1.47E-05	-4.12E-04	-2.06E-03	-2.76E-02	-1.31E-04	-1.89E-03	-1.89E-05	-2.47E-03	-4.12E-03	-1.56E-03	-2.60E-04	-2.39E-03	-7.97E-05	-1.43E+00	-1.19E-02
31	366531	757679	Residential	3.55E-01	1.61E-05	-4.46E-04	-2.23E-03	-3.00E-02	-1.43E-04	-2.06E-03	-2.06E-05	-2.68E-03	-4.46E-03	-1.69E-03	-2.82E-04	-2.59E-03	-8.63E-05	-1.55E+00	-1.29E-02
32	366567	757773	Residential	1.43E-01	6.50E-06	-3.63E-04	-1.81E-03	-2.38E-02	-1.14E-04	-1.64E-03	-1.64E-05	-2.18E-03	-3.63E-03	-1.37E-03	-2.29E-04	-2.11E-03	-7.02E-05	-1.26E+00	-1.05E-02
33	366625	757758	Residential	1.39E-01	6.30E-06	-3.69E-04	-1.85E-03	-2.41E-02	-1.15E-04	-1.67E-03	-1.67E-05	-2.22E-03	-3.69E-03	-1.39E-03	-2.32E-04	-2.14E-03	-7.14E-05	-1.28E+00	-1.07E-02
34	366682	757744	Residential	1.32E-01	6.01E-06	-3.76E-04	-1.88E-03	-2.45E-02	-1.17E-04	-1.70E-03	-1.70E-05	-2.26E-03	-3.76E-03	-1.42E-03	-2.37E-04	-2.18E-03	-7.28E-05	-1.30E+00	-1.09E-02
35	366768	757788	Residential	-2.87E-01	-1.30E-05	-4.70E-04	-2.35E-03	-3.25E-02	-1.55E-04	-2.20E-03	-2.20E-05	-2.82E-03	-4.70E-03	-1.79E-03	-2.98E-04	-2.72E-03	-9.08E-05	-1.64E+00	-1.37E-02
36	366854	757833	Residential	-9.09E-01	-4.13E-05	-7.00E-04	-3.50E-03	-4.89E-02	-2.33E-04	-3.38E-03	-3.38E-05	-4.20E-03	-7.00E-03	-2.67E-03	-4.44E-04	-4.06E-03	-1.35E-04	-2.44E+00	-2.04E-02
37	366941	757877	Residential	-1.05E+00	-4.75E-05	-8.39E-04	-4.20E-03	-6.08E-02	-2.90E-04	-4.14E-03	-4.14E-05	-5.04E-03	-8.39E-03	-3.21E-03	-5.35E-04	-4.87E-03	-1.62E-04	-2.95E+00	-2.45E-02
38	367027	757922	Residential	-7.07E-01	-3.21E-05	-8.42E-04	-4.21E-03	-6.18E-02	-2.94E-04	-4.15E-03	-4.15E-05	-5.05E-03	-8.42E-03	-3.23E-03	-5.38E-04	-4.89E-03	-1.63E-04	-2.96E+00	-2.47E-02
39	367113	757966	Residential	6.43E-02	2.92E-06	-9.83E-04	-4.91E-03	-7.00E-02	-3.33E-04	-4.84E-03	-4.84E-05	-5.90E-03	-9.83E-03	-3.75E-03	-6.25E-04	-5.70E-03	-1.90E-04	-3.44E+00	-2.87E-02
40	367192	757916	Residential	-1.01E-01	-4.59E-06	-9.99E-04	-4.99E-03	-7.12E-02	-3.39E-04	-4.92E-03	-4.92E-05	-5.99E-03	-9.99E-03	-3.81E-03	-6.36E-04	-5.79E-03	-1.93E-04	-3.50E+00	-2.91E-02
41	367264	757916	Residential	9.22E-02	4.19E-06	-1.06E-03	-5.32E-03	-7.52E-02	-3.58E-04	-5.24E-03	-5.24E-05	-6.39E-03	-1.06E-02	-4.06E-03	-6.76E-04	-6.17E-03	-2.06E-04	-3.72E+00	-3.10E-02
42	367335	757916	Residential	2.93E-01	1.33E-05	-1.10E-03	-5.50E-03	-7.81E-02	-3.72E-04	-5.42E-03	-5.42E-05	-6.60E-03	-1.10E-02	-4.20E-03	-6.99E-04	-6.38E-03	-2.13E-04	-3.85E+00	-3.21E-02
43	367343	757966	Residential	8.53E-01	3.88E-05	-9.96E-04	-4.98E-03	-7.33E-02	-3.49E-04	-4.90E-03	-4.90E-05	-5.97E-03	-9.96E-03	-3.82E-03	-6.36E-04	-5.77E-03	-1.92E-04	-3.50E+00	-2.92E-02
44	367404	757995	Residential	1.15E+00	5.21E-05	-9.62E-04	-4.81E-03	-6.94E-02	-3.31E-04	-4.68E-03	-4.68E-05	-5.77E-03	-9.62E-03	-3.68E-03	-6.13E-04	-5.58E-03	-1.86E-04	-3.37E+00	-2.81E-02
45	367465	758024	Residential	5.27E-01	2.40E-05	-1.06E-03	-5.30E-03	-7.52E-02	-3.58E-04	-5.15E-03	-5.15E-05	-6.36E-03	-1.06E-02	-4.05E-03	-6.74E-04	-6.15E-03	-2.05E-04	-3.71E+00	-3.09E-02
55	367673	758189	Residential	-1.91E-01	-8.67E-06	-7.29E-04	-3.64E-03	-5.35E-02	-2.55E-04	-3.46E-03	-3.46E-05	-4.37E-03	-7.29E-03	-2.79E-03	-4.65E-04	-4.23E-03	-1.41E-04	-2.56E+00	-2.13E-02
59	367816	758096	Residential	-1.62E-01	-7.38E-06	-7.52E-04	-3.76E-03	-5.51E-02	-2.62E-04	-3.55E-03	-3.55E-05	-4.51E-03	-7.52E-03	-2.88E-03	-4.80E-04	-4.36E-03	-1.45E-04	-2.64E+00	-2.20E-02
60	367898	758066	Residential	-1.95E-01	-8.85E-06	-6.95E-04	-3.47E-03	-5.08E-02	-2.42E-04	-3.24E-03	-3.24E-05	-4.17E-03	-6.95E-03	-2.66E-03	-4.43E-04	-4.03E-03	-1.34E-04	-2.44E+00	-2.03E-02
61	367980	758035	Residential	-3.34E-01	-1.52E-05	-6.75E-04	-3.37E-03	-4.90E-02	-2.33E-04	-3.11E-03	-3.11E-05	-4.05E-03	-6.75E-03	-2.58E-03	-4.30E-04	-3.91E-03	-1.30E-04	-2.37E+00	-1.97E-02
62	368062	758005	Residential	-5.84E-01	-2.66E-05	-7.60E-04	-3.80E-03	-5.39E-02	-2.57E-04	-3.52E-03	-3.52E-05	-4.56E-03	-7.60E-03	-2.90E-03	-4.83E-04	-4.41E-03	-1.47E-04	-2.66E+00	-2.22E-02
63	368144	757975	Residential	-1.01E+00	-4.58E-05	-8.43E-04	-4.21E-03	-5.92E-02	-2.82E-04	-3.92E-03	-3.92E-05	-5.06E-03	-8.43E-03	-3.21E-03	-5.35E-04	-4.89E-03	-1.63E-04	-2.95E+00	-2.45E-02
64	368226	757945	Residential	-1.41E+00	-6.39E-05	-9.17E-04	-4.58E-03	-6.47E-02	-3.08E-04	-4.30E-03	-4.30E-05	-5.50E-03	-9.17E-03	-3.50E-03	-5.83E-04	-5.32E-03	-1.77E-04	-3.21E+00	-2.67E-02
65	368301	757943	Residential	-1.34E+00	-6.08E-05	-7.89E-04	-3.94E-03	-5.69E-02	-2.71E-04	-3.66E-03	-3.66E-05	-4.73E-03	-7.89E-03	-3.02E-03	-5.03E-04	-4.58E-03	-1.53E-04	-2.77E+00	-2.31E-02
66	368376	757941	Residential	-9.06E-01	-4.12E-05	-7.27E-04	-3.63E-03	-5.44E-02	-2.59E-04	-3.37E-03	-3.37E-05	-4.36E-03	-7.27E-03	-2.79E-03	-4.65E-04	-4.21E-03	-1.40E-04	-2.56E+00	-2.13E-02
67	368452	757940	Residential	1.01E-01	4.60E-06	-7.58E-04	-3.79E-03	-5.83E-02	-2.77E-04	-3.54E-03	-3.54E-05	-4.55E-03	-7.58E-03	-2.93E-03	-4.88E-04	-4.40E-03	-1.47E-04	-2.68E+00	-2.24E-02
68	368527	757938	Residential	-4.50E-02	-2.05E-06	-9.19E-04	-4.60E-03	-6.90E-02	-3.28E-04	-4.34E-03	-4.34E-05	-5.52E-03	-9.19E-03	-3.53E-03	-5.89E-04	-5.33E-03	-1.78E-04	-3.24E+00	-2.70E-02
69	368563	757880	Residential	1.69E-01	7.69E-06	-8.49E-04	-4.25E-03	-6.40E-02	-3.05E-04	-3.96E-03	-3.96E-05	-5.10E-03	-8.49E-03	-3.27E-03	-5.45E-04	-4.93E-03	-1.64E-04	-3.00E+00	-2.50E-02
70	368636	757926	Residential	-4.52E-01	-2.06E-05	-1.25E-03	-6.23E-03	-9.03E-02	-4.30E-04	-5.96E-03	-5.96E-05	-7.47E-03	-1.25E-02	-4.77E-03	-7.94E-04	-7.22E-03	-2.41E-04	-4.37E+00	-3.64E-02
71	368709	757971	Residential	-3.42E+00	-1.56E-04	-2.85E-03	-1.42E-02	-1.99E-01	-9.50E-04	-1.40E-02	-1.40E-04	-1.71E-02	-2.85E-02	-1.08E-02	-1.81E-03	-1.65E-02	-5.50E-04	-9.94E+00	-8.29E-02
72	368782	758017	Residential	-4.26E+00	-1.93E-04	-3.10E-03	-1.55E-02	-2.17E-01	-1.03E-03	-1.53E-02	-1.53E-04	-1.86E-02	-3.10E-02	-1.18E-02	-1.97E-03	-1.80E-02	-6.00E-04	-1.08E+01	-9.03E-02
73	368855	758062	Residential	-4.37E-01	-1.99E-05	-1.73E-03	-8.66E-03	-1.21E-01	-5.77E-04	-8.42E-03	-8.42E-05	-1.04E-02	-1.73E-02	-6.59E-03	-1.10E-03	-1.00E-02	-3.35E-04	-6.05E+00	-5.04E-02
74	368928	758108	Residential	9.15E-02	4.16E-06	-1.44E-03	-7.18E-03	-1.11E-01	-5.29E-04	-7.10E-03	-7.10E-05	-8.62E-03	-1.44E-02	-5.54E-03	-9.24E-04	-8.33E-03	-2.78E-04	-5.08E+00	-4.24E-02
75	369001	758153	Residential	4.26E-01	1.94E-05	-1.41E-03	-7.07E-03	-1.05E-01	-5.00E-04	-6.87E-03	-6.87E-05	-8.48E-03	-1.41E-02	-5.43E-03	-9.04E-04	-8.20E-03	-2.73E-04	-4.98E+00	-4.15E-02
76	369058	758074	Residential	4.08E-01	1.86E-05	-1.51E-03	-7.54E-03	-1.12E-01	-5.31E-04	-7.33E-03	-7.33E-05	-9.05E-03	-1.51E-02	-5.79E-03	-9.65E-04	-8.75E-03	-2.92E-04	-5.31E+00	-4.42E-02
77	369102	758103	Residential	-8.77E-02	-3.99E-06	-1.48E-03	-7.39E-03	-1.04E-01	-4.96E-04	-7.08E-03	-7.08E-05	-8.87E-03	-1.48E-02	-5.63E-03	-9.39E-04	-8.57E-03	-2.86E-04	-5.17E+00	-4.31E-02
78	369145	758132	Residential	-4.26E-01	-1.94E-05	-1.93E-03	-9.64E-03	-1.34E-01	-6.38E-04	-9.35E-03	-9.35E-05	-1.16E-02	-1.93E-02	-7.34E-03	-1.22E-03	-1.12E-02	-3.73E-04	-6.73E+00	-5.61E-02
79	369200	758065	Residential	-6.84E-01	-3.11E-05	-2.14E-03	-1.07E-02	-1.47E-01	-6.99E-04	-1.04E-02	-1.04E-04	-1.28E-02	-2.14E-02	-8.13E-03	-1.36E-03	-1.24E-02	-4.14E-04	-7.46E+00	-6.22E-02
80	369255	757998	Residential	-8.56E-01	-3.89E-05	-2.33E-03	-1.16E-02	-1.59E-01	-7.55E-04	-1.13E-02	-1.13E-04	-1.40E-02	-2.33E-02	-8.84E-03	-1.47E-03	-1.35E-02	-4.50E-04	-8.11E+00	-6.76E-02
81	369310	757931	Residential	-1.23E+00	-5.58E-05	-2.53E-03	-1.26E-02	-1.73E-01	-8.23E-04	-1.23E-02	-1.23E-04	-1.52E-02	-2.53E-02	-9.59E-03	-1.60E-03	-1.47E-02	-4.88E-04	-8.80E+00	-7.33E-02
82	369356	757981	Residential	-2.92E-01	-1.33E-05	-2.12E-03	-1.06E-02	-1.42E-01	-6.78E-04	-1.02E-02	-1.02E-04	-1.27E-02	-2.12E-02	-8.04E-03	-1.34E-03	-1.23E-02	-4.10E-04	-7.37E+00	-6.14E-02
83	369403	758031	Residential	3.45E-01	1.57E-05	-1.85E-03	-9.24E-03	-1.26E-01	-6.02E-04	-8.95E-03	-8.95E-05	-1.11E-02	-1.85E-02	-7.02E-03	-1.17E-03	-1.07E-02	-3.57E-04	-6.44E+00	-5.37E-02
92	369389	758634	Residential	-1.00E+00	-4.54E-05	-1.19E-03	-5.94E-03	-8.26E-02	-3.93E-04	-5.74E-03	-5.74E-05	-7.13E-03	-1.19E-02	-4.52E-03	-7.54E-04	-6.89E-03	-2.30E-04	-4.15E+00	-3.46E-02
93	369469	758630	Residential	-1.91E+00	-8.66E-05	-2.79E-03	-1.39E-02	-1.97E-01	-9.39E-04	-1.39E-02	-1.39E-04	-1.67E-02	-2.79E-02	-1.06E-02	-1.77E-03	-1.62E-02	-5.39E-04	-9.75E+00	-8.12E-02
94	369549	758625	Residential	-2.18E+00	-9.90E-05	-3.13E-03	-1.57E-02	-2.23E-01	-1.06E-03	-1.58E-02	-1.58E-04	-1.88E-02	-3.13E-02	-1.20E-02	-1.99E-03	-1.82E-02	-6.06E-04	-1.10E+01	-9.14E-02
95	369630	758621	Residential	-1.51E+00	-6.84E-05	-1.85E-03	-9.23E-03	-1.30E-01	-6.17E-04	-9.17E-03	-9.17E-05	-1.11E-02	-1.85E-02	-7.03E-03	-1.17E-03	-1.07E-02	-3.57E-04	-6.45E+00	-5.37E-02

Table 3-4B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 4, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m³)	xylene, total Acute Hazard	arsenic (µg/m³)	arsenic Acute Hazard	chlorine (µg/m³)	chlorine Acute Hazard	copper (µg/m³)	copper Acute Hazard	mercury (µg/m³)	mercury Acute Hazard	nickel (µg/m³)	nickel Acute Hazard	vanadium (µg/m³)	vanadium Acute Hazard	sulfates (µg/m³)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
96	369710	758617	Residential	1.59E-02	7.22E-07	-1.54E-03	-7.68E-03	-1.08E-01	-5.15E-04	-7.57E-03	-7.57E-05	-9.21E-03	-1.54E-02	-5.85E-03	-9.75E-04	-8.91E-03	-2.97E-04	-5.37E+00	-4.47E-02
97	369791	758613	Residential	7.60E-01	3.45E-05	-2.12E-03	-1.06E-02	-1.50E-01	-7.13E-04	-1.06E-02	-1.06E-04	-1.27E-02	-2.12E-02	-8.09E-03	-1.35E-03	-1.23E-02	-4.10E-04	-7.42E+00	-6.18E-02
98	369791	758514	Residential	9.85E-01	4.48E-05	-1.96E-03	-9.80E-03	-1.38E-01	-6.56E-04	-9.75E-03	-9.75E-05	-1.18E-02	-1.96E-02	-7.47E-03	-1.25E-03	-1.14E-02	-3.79E-04	-6.85E+00	-5.71E-02
99	369791	758416	Residential	1.28E+00	5.84E-05	-1.77E-03	-8.83E-03	-1.24E-01	-5.92E-04	-8.77E-03	-8.77E-05	-1.06E-02	-1.77E-02	-6.73E-03	-1.12E-03	-1.02E-02	-3.41E-04	-6.17E+00	-5.14E-02
100	369791	758318	Residential	1.06E+00	4.83E-05	-1.71E-03	-8.55E-03	-1.21E-01	-5.78E-04	-8.51E-03	-8.51E-05	-1.03E-02	-1.71E-02	-6.53E-03	-1.09E-03	-9.92E-03	-3.31E-04	-5.99E+00	-4.99E-02
101	369881	758318	Residential	3.31E-02	1.51E-06	-2.43E-03	-1.22E-02	-1.68E-01	-7.99E-04	-1.21E-02	-1.21E-04	-1.46E-02	-2.43E-02	-9.25E-03	-1.54E-03	-1.41E-02	-4.71E-04	-8.49E+00	-7.07E-02
102	369972	758318	Residential	-1.26E+00	-5.74E-05	-2.22E-03	-1.11E-02	-1.57E-01	-7.46E-04	-1.11E-02	-1.11E-04	-1.33E-02	-2.22E-02	-8.48E-03	-1.41E-03	-1.29E-02	-4.30E-04	-7.78E+00	-6.48E-02
103	370062	758318	Residential	-1.96E+00	-8.91E-05	-1.52E-03	-7.61E-03	-1.09E-01	-5.19E-04	-7.53E-03	-7.53E-05	-9.13E-03	-1.52E-02	-5.81E-03	-9.69E-04	-8.83E-03	-2.94E-04	-5.33E+00	-4.44E-02
104	370153	758318	Residential	-1.77E+00	-8.05E-05	-1.62E-03	-8.10E-03	-1.16E-01	-5.50E-04	-8.06E-03	-8.06E-05	-9.73E-03	-1.62E-02	-6.19E-03	-1.03E-03	-9.40E-03	-3.13E-04	-5.68E+00	-4.73E-02
105	370243	758318	Residential	-2.56E+00	-1.16E-04	-2.28E-03	-1.14E-02	-1.65E-01	-7.84E-04	-1.15E-02	-1.15E-04	-1.37E-02	-2.28E-02	-8.73E-03	-1.46E-03	-1.32E-02	-4.41E-04	-8.01E+00	-6.67E-02
111	370408	758347	Residential	-3.59E+00	-1.63E-04	-3.62E-03	-1.81E-02	-2.63E-01	-1.25E-03	-1.84E-02	-1.84E-04	-2.17E-02	-3.62E-02	-1.39E-02	-2.31E-03	-2.10E-02	-7.00E-04	-1.27E+01	-1.06E-01
112	370490	758344	Residential	-3.49E+00	-1.58E-04	-2.68E-03	-1.34E-02	-1.94E-01	-9.26E-04	-1.35E-02	-1.35E-04	-1.61E-02	-2.68E-02	-1.03E-02	-1.71E-03	-1.55E-02	-5.18E-04	-9.41E+00	-7.84E-02
113	370572	758341	Residential	-4.53E+00	-2.06E-04	-2.17E-03	-1.08E-02	-1.54E-01	-7.32E-04	-1.09E-02	-1.09E-04	-1.30E-02	-2.17E-02	-8.28E-03	-1.38E-03	-1.26E-02	-4.19E-04	-7.59E+00	-6.33E-02
114	370654	758338	Residential	-4.88E+00	-2.22E-04	-2.31E-03	-1.16E-02	-1.69E-01	-8.04E-04	-1.16E-02	-1.16E-04	-1.39E-02	-2.31E-02	-8.85E-03	-1.48E-03	-1.34E-02	-4.47E-04	-8.12E+00	-6.77E-02
115	370735	758335	Residential	-3.52E+00	-1.60E-04	-1.97E-03	-9.87E-03	-1.41E-01	-6.70E-04	-9.80E-03	-9.80E-05	-1.18E-02	-1.97E-02	-7.54E-03	-1.26E-03	-1.14E-02	-3.82E-04	-6.91E+00	-5.76E-02
116	370817	758333	Residential	-1.92E+00	-8.74E-05	-1.24E-03	-6.18E-03	-9.05E-02	-4.31E-04	-6.11E-03	-6.11E-05	-7.42E-03	-1.24E-02	-4.74E-03	-7.90E-04	-7.17E-03	-2.39E-04	-4.35E+00	-3.62E-02
130	371183	758027	Residential	-1.72E+00	-7.82E-05	-1.60E-03	-7.98E-03	-1.14E-01	-5.43E-04	-7.78E-03	-7.78E-05	-9.58E-03	-1.60E-02	-6.10E-03	-1.02E-03	-9.26E-03	-3.09E-04	-5.59E+00	-4.66E-02
131	371248	758024	Residential	-2.52E+00	-1.15E-04	-1.63E-03	-8.14E-03	-1.13E-01	-5.38E-04	-7.93E-03	-7.93E-05	-9.77E-03	-1.63E-02	-6.19E-03	-1.03E-03	-9.44E-03	-3.15E-04	-5.68E+00	-4.73E-02
132	371326	758075	Residential	-2.66E+00	-1.21E-04	-1.59E-03	-7.93E-03	-1.08E-01	-5.14E-04	-7.70E-03	-7.70E-05	-9.52E-03	-1.59E-02	-6.02E-03	-1.00E-03	-9.20E-03	-3.07E-04	-5.52E+00	-4.60E-02
133	371404	758127	Residential	-2.50E+00	-1.14E-04	-1.39E-03	-6.95E-03	-9.27E-02	-4.41E-04	-6.71E-03	-6.71E-05	-8.34E-03	-1.39E-02	-5.26E-03	-8.77E-04	-8.07E-03	-2.69E-04	-4.83E+00	-4.02E-02
134	371481	758178	Residential	-2.59E+00	-1.18E-04	-1.22E-03	-6.12E-03	-7.88E-02	-3.75E-04	-5.86E-03	-5.86E-05	-7.34E-03	-1.22E-02	-4.61E-03	-7.68E-04	-7.10E-03	-2.37E-04	-4.23E+00	-3.52E-02
135	371559	758230	Residential	-2.36E+00	-1.07E-04	-1.16E-03	-5.80E-03	-6.94E-02	-3.30E-04	-5.50E-03	-5.50E-05	-6.96E-03	-1.16E-02	-4.33E-03	-7.22E-04	-6.73E-03	-2.24E-04	-3.98E+00	-3.31E-02
136	371637	758281	Residential	-1.98E+00	-9.00E-05	-1.11E-03	-5.53E-03	-6.28E-02	-2.99E-04	-5.20E-03	-5.20E-05	-6.64E-03	-1.11E-02	-4.11E-03	-6.84E-04	-6.41E-03	-2.14E-04	-3.77E+00	-3.14E-02
137	371715	758333	Residential	-1.63E+00	-7.39E-05	-9.97E-04	-4.98E-03	-5.88E-02	-2.80E-04	-4.67E-03	-4.67E-05	-5.98E-03	-9.97E-03	-3.72E-03	-6.19E-04	-5.78E-03	-1.93E-04	-3.41E+00	-2.84E-02
138	371769	758261	Residential	-6.85E-01	-3.11E-05	-6.43E-04	-3.22E-03	-3.94E-02	-1.87E-04	-2.86E-03	-2.86E-05	-3.86E-03	-6.43E-03	-2.41E-03	-4.02E-04	-3.73E-03	-1.24E-04	-2.21E+00	-1.84E-02
139	371822	758189	Residential	-1.84E+00	-8.36E-05	-4.69E-04	-2.35E-03	-4.11E-02	-1.96E-04	-2.08E-03	-2.08E-05	-2.82E-03	-4.69E-03	-1.85E-03	-3.08E-04	-2.72E-03	-9.07E-05	-1.69E+00	-1.41E-02
140	371894	758160	Residential	-2.03E+00	-9.24E-05	-8.17E-04	-4.09E-03	-9.28E-02	-4.42E-04	-4.10E-03	-4.10E-05	-4.90E-03	-8.17E-03	-3.37E-03	-5.61E-04	-4.74E-03	-1.58E-04	-3.08E+00	-2.57E-02
141	371894	758081	Residential	-2.35E+00	-1.07E-04	-9.36E-04	-4.68E-03	-1.01E-01	-4.81E-04	-4.64E-03	-4.64E-05	-5.62E-03	-9.36E-03	-3.82E-03	-6.36E-04	-5.43E-03	-1.81E-04	-3.50E+00	-2.92E-02
142	371959	758074	Residential	-2.00E+00	-9.09E-05	-8.27E-04	-4.13E-03	-7.65E-02	-3.64E-04	-3.95E-03	-3.95E-05	-4.96E-03	-8.27E-03	-3.28E-03	-5.47E-04	-4.79E-03	-1.60E-04	-3.01E+00	-2.51E-02
155	372055	757363	Residential	-2.31E+00	-1.05E-04	-1.11E-03	-5.54E-03	-9.81E-02	-4.67E-04	-5.50E-03	-5.50E-05	-6.65E-03	-1.11E-02	-4.37E-03	-7.28E-04	-6.42E-03	-2.14E-04	-4.00E+00	-3.33E-02
297	370239	755427	Residential	-3.38E+00	-1.54E-04	-3.80E-03	-1.90E-02	-2.69E-01	-1.28E-03	-1.87E-02	-1.87E-04	-2.28E-02	-3.80E-02	-1.45E-02	-2.41E-03	-2.20E-02	-7.34E-04	-1.33E+01	-1.11E-01
298	370138	755427	Residential	-2.14E+00	-9.73E-05	-3.84E-03	-1.92E-02	-2.66E-01	-1.27E-03	-1.88E-02	-1.88E-04	-2.30E-02	-3.84E-02	-1.46E-02	-2.43E-03	-2.23E-02	-7.42E-04	-1.34E+01	-1.12E-01
299	370040	755427	Residential	-3.16E+00	-1.43E-04	-2.26E-03	-1.13E-02	-1.55E-01	-7.36E-04	-1.07E-02	-1.07E-04	-1.36E-02	-2.26E-02	-8.59E-03	-1.43E-03	-1.31E-02	-4.38E-04	-7.88E+00	-6.57E-02
300	369941	755426	Residential	1.09E+00	4.95E-05	-2.14E-03	-1.07E-02	-1.43E-01	-6.82E-04	-1.01E-02	-1.01E-04	-1.29E-02	-2.14E-02	-8.12E-03	-1.35E-03	-1.24E-02	-4.15E-04	-7.45E+00	-6.21E-02
301	369842	755426	Residential	3.57E+00	1.62E-04	-6.78E-04	-3.39E-03	-4.37E-02	-2.08E-04	-2.56E-03	-2.56E-05	-4.07E-03	-6.78E-03	-2.55E-03	-4.26E-04	-3.93E-03	-1.31E-04	-2.34E+00	-1.95E-02
304	369544	755434	Residential	-3.99E+00	-1.82E-04	-3.14E-03	-1.57E-02	-2.24E-01	-1.07E-03	-1.58E-02	-1.58E-04	-1.88E-02	-3.14E-02	-1.20E-02	-2.00E-03	-1.82E-02	-6.06E-04	-1.10E+01	-9.16E-02
305	369445	755434	Residential	-3.75E+00	-1.70E-04	-2.76E-03	-1.38E-02	-1.94E-01	-9.25E-04	-1.38E-02	-1.38E-04	-1.66E-02	-2.76E-02	-1.05E-02	-1.76E-03	-1.60E-02	-5.34E-04	-9.66E+00	-8.05E-02
306	369346	755434	Residential	-2.30E+00	-1.04E-04	-3.14E-03	-1.57E-02	-2.24E-01	-1.07E-03	-1.57E-02	-1.57E-04	-1.88E-02	-3.14E-02	-1.20E-02	-2.00E-03	-1.82E-02	-6.06E-04	-1.10E+01	-9.15E-02
310	368953	755441	Residential	-2.46E+00	-1.12E-04	-1.22E-03	-6.08E-03	-7.90E-02	-3.76E-04	-5.83E-03	-5.83E-05	-7.29E-03	-1.22E-02	-4.59E-03	-7.64E-04	-7.05E-03	-2.35E-04	-4.21E+00	-3.51E-02
311	368854	755441	Residential	-2.04E+00	-9.29E-05	-1.79E-03	-8.96E-03	-1.17E-01	-5.58E-04	-8.72E-03	-8.72E-05	-1.07E-02	-1.79E-02	-6.76E-03	-1.13E-03	-1.04E-02	-3.46E-04	-6.20E+00	-5.17E-02
312	368755	755441	Residential	-2.16E+00	-9.84E-05	-1.81E-03	-9.05E-03	-1.26E-01	-6.01E-04	-8.90E-03	-8.90E-05	-1.09E-02	-1.81E-02	-6.89E-03	-1.15E-03	-1.05E-02	-3.50E-04	-6.32E+00	-5.26E-02
313	368657	755441	Residential	-1.28E+00	-5.82E-05	-1.34E-03	-6.71E-03	-9.38E-02	-4.46E-04	-6.53E-03	-6.53E-05	-8.05E-03	-1.34E-02	-5.11E-03	-8.52E-04	-7.79E-03	-2.60E-04	-4.69E+00	-3.91E-02
314	368558	755440	Residential	-6.73E-01	-3.06E-05	-1.21E-03	-6.06E-03	-8.83E-02	-4.21E-04	-5.94E-03	-5.94E-05	-7.27E-03	-1.21E-02	-4.64E-03	-7.73E-04	-7.03E-03	-2.34E-04	-4.25E+00	-3.55E-02
315	368459	755440	Residential	1.06E-01	4.84E-06	-1.09E-03	-5.43E-03	-7.92E-02	-3.77E-04	-5.30E-03	-5.30E-05	-6.51E-03	-1.09E-02	-4.16E-03	-6.93E-04	-6.30E-03	-2.10E-04	-3.81E+00	-3.18E-02
316	368360	755440	Residential	-3.21E-02	-1.46E-06	-7.21E-04	-3.61E-03	-4.99E-02	-2.38E-04	-3.36E-03	-3.36E-05	-4.33E-03	-7.21E-03	-2.74E-03	-4.57E-04	-4.18E-03	-1.39E-04	-2.52E+00	-2.10E-02
317	368262	755439	Residential	-3.25E-01	-1.48E-05	-1.02E-03	-5.08E-03	-7.19E-02	-3.43E-04	-4.87E-03	-4.87E-05	-6.10E-03	-1.02E-02	-3.88E-03	-6.46E-04	-5.89E-03	-1.96E-04	-3.55E+00	-2.96E-02
318	368186	755427	Residential	-3.48E-01	-1.58E-05	-1.15E-03	-5.77E-03	-8.21E-02	-3.91E-04	-5.59E-03	-5.59E-05	-6.92E-03	-1.15E-02	-4.41E-03	-7.34E-04	-6.69E-03	-2.23E-04	-4.04E+00	-3.37E-02
319	368111	755414	Residential	-3.30E-01	-1.50E-05	-1.24E-03	-6.22E-03	-8.86E-02	-4.22E-04	-6.06E-03	-6.06E-05	-7.47E-03	-1.24E-02	-4.75E-03	-7.92E-04	-7.22E-03	-2.41E-04	-4.36E+00	-3.63E-02
46	367504	757948	School	1.08E+00	4.92E-05	-9.80E-04	-4.90E-03	-7.06E-02	-3.36E-04	-4.77E-03	-4.77E-05	-5.88E-03	-9.80E-03	-3.74E-03	-6.24E-04	-5.68E-03	-1.89E-04	-3.43E+00	-2.86E-02
47	367544	757873	School	4.67E-01	2.12E-05	-1.07E-03	-5.36E-03	-7.95E-02	-3.79E-04	-5.30E-03	-5.30E-05	-6.43E-03	-1.07E-02	-4.12E-03	-6.86E-04	-6.22E-03	-2.07E-04	-3.77E+00	-3.15E-02
48	367587	757909	School	9.02E-01	4.10E-05	-1.04E-03	-5.19E-03	-7.51E-02	-3.58E-04	-5.07E-03	-5.07E-05	-6.22E-03	-1.04E-02	-3.97E-03	-6.61E-04	-6.02E-03	-2.01E-04	-3.64E+00	-3.03E-02
49	367623	757866	School	5.97E-01	2.72E-05	-1.07E-03	-5.37E-03	-7.95E-02	-3.78E-04	-5.29E-03	-5.29E-05	-6.45E-03	-1.07E-02	-4.12E-03	-6.87E-04	-6.23E-03	-2.08E-04	-3.78E+00	-3.15E-02
50	367694	757866	School	5.60E-01	2.55E-05	-1.10E-03	-5.48E-03	-7.93E-02	-3.78E-04	-5.36E-03	-5.36E-05	-6.57E-03	-1.10E-02	-4.19E-03	-6.98E-04	-6.35E-03	-2.12E-04	-3.84E+00	-3.20E-02
51	367716	757927	School	-2.29E-01	-1.04E-05	-1.05E-03	-5.25E-03	-7.81E-02	-3.72E-04	-5.13E-03	-5.13E-05	-6.30E-03	-1.05E-02	-4.03E-03	-6.72E-04	-6.09E-03	-2.03E-04	-3.70E+00	-3.08E-02
52	367737	757988	School	-6.85E-01	-3.11E-05	-9.80E-04	-4.90E-03	-7.29E-02	-3.47E-04	-4.77E-03	-4.77E-05	-5.88E-03	-9.80E-03	-3.76E-03	-6.27E-04	-5.68E-03	-1.89E-04	-3.45E+00	-2.88E-02
53	367727	758067	School	-4.14E-01	-1.88E-05	-8.60E-04	-4.30E-03	-6.30E-02	-3.00E-04	-4.14E-03	-4.14E-05	-5.16E-03	-8.60E-03	-3.30E-03	-5.49E-04	-4.99E-03	-1.66E-04	-3.02E+00	-2.52E-02
54	367716	758146	School	-2.21E-01	-1.01E-05	-7.93E-04	-3.97E-03	-5.81E-02	-2.77E-04	-3.79E-03	-3.79E-05	-4.76E-03	-7.93E-03	-3.04E-03	-5.06E-04	-4.60E-03	-1.53E-04	-2.79E+00	-2.32E-02
56	367723	758254	School	1.06E-01	4.82E-06	-4.46E-04	-2.23E-03	-3.12E-02	-1.48E-04	-1.96E-03	-1.96E-05	-2.67E-03	-4.46E-03	-1.70E-03	-2.83E-04	-2.58E-03	-8.61E-05	-1.56E+00	-1.30E-02
57	367784	758221	School	-1.81E-03	-8.21E-08	-4.80E-04	-2.40E-03	-3.28E-02	-1.56E-04	-2.12E-03	-2.12E-05	-2.88E-03	-4.80E-03	-1.82E-03	-3.04E-04	-2.78E-03	-9.28E-05	-1.67E+00	-1.39E-02
58	367845	758189	School	-1.69E-01	-7.67E-06	-5.16E-04	-2.58E-03	-3.49E-02	-1.66E-04	-2.29E-03	-2.29E-05	-3.10E-03	-5.16E-03	-1.96E-03	-3.26E-04	-3.00E-03	-9.98E-05	-1.80E+00	-1.50E-02
106	370247	758254	School	-2.98E+00	-1.36E-04	-2.52E-03	-1.26E-02	-1.82E-01	-8.66E-04	-1.27E-02	-1.27E-04	-1.51E-02	-2.52E-02	-9.65E-03	-1.61E-03	-1.46E-02	-4.88E-04	-8.85E+00	-7.37E-02
107	370250	758189	School	-3.37E+00	-1.53E-04	-2.83E-03	-1.41E-02	-2.03E-01	-9.68E-04	-1.42E-02	-1.42E-04	-1.70E-02	-2.83E-02	-1.08E-02	-1.80E-03	-1.64E-02	-5.47E-04	-9.91E+00	-8.26E-02
108	370308	758196	School	-2.36E+00	-1.07E-04	-3.67E-03	-1.83E-02	-2.63E-01	-1.25E-03	-1.85E-02	-1.85E-04	-2.20E-02	-3.67E-02	-1.40E-02	-2.34E-03	-2.13E-02	-7.09E-04	-1.29E+01	-1.07E-01
109	370361	758236	School	-2.96E+00	-1.34E-04	-4.00E-03	-2.00E-02	-2.88E-01	-1.37E-03	-2.02E-02	-2.02E-04	-2.40E-02	-4.00E-02	-1.53E-02	-2.55E-03	-2.32E-02	-7.72E-04	-1.40E+01	-1.17E-01
110	370415	758275	School	-3.77E+00	-1.72E-04	-3.67E-03	-1.83E-02	-2.66E-01	-1.27E-03	-1.86E-02	-1.86E-04	-2.20E-02	-3.67E-02	-1.40E-02	-2.34E-03	-2.13E-02	-7.09E-04	-1.29E+01	-1.07E-01

Table 3-4B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 4, Horizon Year 2025
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total ($\mu g/m^3$)	xylene, total Acute Hazard	arsenic ($\mu g/m^3$)	arsenic Acute Hazard	chlorine ($\mu g/m^3$)	chlorine Acute Hazard	copper ($\mu g/m^3$)	copper Acute Hazard	mercury ($\mu g/m^3$)	mercury Acute Hazard	nickel ($\mu g/m^3$)	nickel Acute Hazard	vanadium ($\mu g/m^3$)	vanadium Acute Hazard	sulfates ($\mu g/m^3$)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
302	369741	755435	School	-1.99E+00	-9.07E-05	-1.17E-04	-5.87E-04	-5.71E-03	-2.72E-05	8.94E-05	8.94E-07	-7.05E-04	-1.17E-03	-4.29E-04	-7.16E-05	-6.81E-04	-2.27E-05	-3.94E-01	-3.28E-03
303	369643	755434	School	-8.81E-01	-4.01E-05	-7.32E-04	-3.66E-03	-5.47E-02	-2.60E-04	-3.31E-03	-3.31E-05	-4.39E-03	-7.32E-03	-2.81E-03	-4.69E-04	-4.25E-03	-1.42E-04	-2.58E+00	-2.15E-02

Note: Shaded cells indicate locations where concentrations were highest within each land use category.

Table 3-5A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Minimum Range Construction and Operation TAC Concentrations

Receptor Location	acetaldehyde (µg/m³)	acrolein (µg/m³)	benzene (µg/m³)	formaldehyde (µg/m³)	methyl alcohol (µg/m³)	methyl ethyl ketone (µg/m³)	phenol (carbolic acid) (µg/m³)	styrene (µg/m³)	toluene (µg/m³)	xylene, total (µg/m³)	arsenic (µg/m³)	chlorine (µg/m³)	copper (µg/m³)	mercury (µg/m³)	nickel (µg/m³)	vanadium (µg/m³)	sulfates (µg/m³)
Commercial - Onsite																	
Maximum Onsite Concentration-->	-4.87E+00	1.06E+00	-1.54E+01	-1.03E+01	3.98E-01	-1.36E+00	3.56E-01	-5.00E-01	-2.55E+01	-2.33E+01	-4.34E-03	-3.21E-01	-2.16E-02	-2.60E-02	-1.66E-02	-2.51E-02	-1.53E+01
Commercial - Offsite																	
Maximum Offsite Concentration-->	9.42E+00	5.78E+00	1.16E+01	2.78E+01	4.33E+00	-5.41E-02	1.72E+00	9.06E-01	1.40E+01	1.31E+01	2.86E-03	2.13E-01	1.57E-02	1.71E-02	1.10E-02	1.66E-02	1.01E+01
Average Offsite Concentration-->	3.27E+00	2.55E+00	1.53E+00	1.03E+01	1.89E+00	-2.38E-01	7.66E-01	3.13E-01	3.56E-02	1.03E-01	-1.29E-03	-9.97E-02	-6.24E-03	-7.76E-03	-4.99E-03	-7.50E-03	-4.58E+00
Minimum Offsite Concentration-->	-6.43E-01	9.80E-01	-3.90E+00	8.21E-01	7.06E-01	-8.19E-01	3.00E-01	-1.02E-02	-8.98E+00	-7.82E+00	-7.66E-03	-5.35E-01	-3.86E-02	-4.60E-02	-2.92E-02	-4.44E-02	-2.68E+01
Recreational																	
Maximum Offsite Concentration-->	3.96E+00	2.64E+00	3.80E+00	1.21E+01	2.01E+00	-9.83E-02	7.89E-01	4.11E-01	3.63E+00	3.46E+00	-5.68E-04	-4.76E-02	-2.65E-03	-3.41E-03	-2.22E-03	-3.29E-03	-2.04E+00
Average Offsite Concentration-->	2.21E+00	1.70E+00	9.57E-01	6.92E+00	1.26E+00	-1.53E-01	5.11E-01	2.06E-01	-8.94E-02	-3.73E-02	-1.03E-03	-7.63E-02	-5.00E-03	-6.15E-03	-3.94E-03	-5.95E-03	-3.61E+00
Minimum Offsite Concentration-->	5.87E-01	9.36E-01	-2.08E+00	2.28E+00	6.45E-01	-2.29E-01	2.84E-01	1.35E-02	-4.24E+00	-3.89E+00	-2.18E-03	-1.60E-01	-1.09E-02	-1.31E-02	-8.34E-03	-1.26E-02	-7.65E+00
Residential																	
Maximum Offsite Concentration-->	5.88E+00	3.97E+00	2.66E+00	1.73E+01	2.80E+00	-1.07E-01	1.18E+00	3.97E-01	2.23E+00	2.13E+00	-4.90E-04	-3.95E-02	-2.32E-03	-2.94E-03	-1.90E-03	-2.84E-03	-1.74E+00
Average Offsite Concentration-->	2.03E+00	1.77E+00	2.07E-01	6.58E+00	1.29E+00	-2.12E-01	5.33E-01	1.83E-01	-1.33E+00	-1.18E+00	-1.52E-03	-1.14E-01	-7.50E-03	-9.11E-03	-5.84E-03	-8.80E-03	-5.35E+00
Minimum Offsite Concentration-->	-1.19E+00	-6.68E-02	-2.53E+00	-2.65E+00	-6.66E-02	-5.44E-01	-1.06E-02	-6.25E-02	-6.56E+00	-6.34E+00	-6.19E-03	-4.35E-01	-3.10E-02	-3.71E-02	-2.36E-02	-3.59E-02	-2.16E+01
School																	
Maximum Offsite Concentration-->	2.56E+00	1.93E+00	1.04E+00	7.96E+00	1.42E+00	-1.46E-01	5.78E-01	2.24E-01	-5.60E-02	-1.91E-02	-7.84E-04	-6.25E-02	-3.81E-03	-4.71E-03	-3.04E-03	-4.55E-03	-2.79E+00
Average Offsite Concentration-->	1.54E+00	1.47E+00	-3.37E-01	5.10E+00	1.06E+00	-2.10E-01	4.46E-01	1.33E-01	-1.93E+00	-1.74E+00	-1.46E-03	-1.10E-01	-7.29E-03	-8.78E-03	-5.63E-03	-8.49E-03	-5.16E+00
Minimum Offsite Concentration-->	-2.52E-01	4.15E-01	-2.13E+00	-1.19E-01	2.79E-01	-2.74E-01	1.32E-01	-3.56E-03	-5.04E+00	-4.71E+00	-2.39E-03	-1.74E-01	-1.19E-02	-1.43E-02	-9.14E-03	-1.38E-02	-8.39E+00
CalEPA Acute REL	470	2.5	1300	55	28000	13000	5800	21000	37000	22000	0.2	210	100	0.6	6	30	120
Commercial - Onsite																	
Onsite Maximum Acute Hazard-->	-1.04E-02	4.23E-01	-1.19E-02	-1.86E-01	1.42E-05	-1.05E-04	6.14E-05	-2.38E-05	-6.89E-04	-1.06E-03	-2.17E-02	-1.53E-03	-2.16E-04	-4.34E-02	-2.77E-03	-8.38E-04	-1.27E-01
Commercial - Offsite																	
Offsite Maximum Acute Hazard-->	2.01E-02	2.31E+00	8.91E-03	5.06E-01	1.55E-04	-4.16E-06	2.97E-04	4.31E-05	3.77E-04	5.97E-04	1.43E-02	1.01E-03	1.57E-04	2.86E-02	1.83E-03	5.53E-04	8.39E-02
Offsite Average Acute Hazard-->	6.96E-03	1.02E+00	1.18E-03	1.88E-01	6.74E-05	-1.83E-05	1.32E-04	1.49E-05	9.63E-07	4.69E-06	-6.47E-03	-4.75E-04	-6.24E-05	-1.29E-02	-8.32E-04	-2.50E-04	-3.81E-02
Offsite Minimum Acute Hazard-->	-1.37E-03	3.92E-01	-3.00E-03	1.49E-02	2.52E-05	-6.30E-05	5.17E-05	-4.84E-07	-2.43E-04	-3.56E-04	-3.83E-02	-2.55E-03	-3.86E-04	-7.66E-02	-4.86E-03	-1.48E-03	-2.23E-01
Recreational																	
Offsite Maximum Acute Hazard-->	8.43E-03	1.05E+00	2.92E-03	2.20E-01	7.17E-05	-7.56E-06	1.36E-04	1.96E-05	9.82E-05	1.57E-04	-2.84E-03	-2.27E-04	-2.65E-05	-5.68E-03	-3.70E-04	-1.10E-04	-1.70E-02
Offsite Average Acute Hazard-->	4.69E-03	6.79E-01	7.36E-04	1.26E-01	4.49E-05	-1.18E-05	8.81E-05	9.81E-06	-2.42E-06	-1.70E-06	-5.13E-03	-3.63E-04	-5.00E-05	-1.03E-02	-6.56E-04	-1.98E-04	-3.01E-02
Offsite Minimum Acute Hazard-->	1.25E-03	3.74E-01	-1.60E-03	4.14E-02	2.30E-05	-1.76E-05	4.90E-05	6.44E-07	-1.15E-04	-1.77E-04	-1.09E-02	-7.62E-04	-1.09E-04	-2.18E-02	-1.39E-03	-4.21E-04	-6.38E-02
Residential																	
Offsite Maximum Acute Hazard-->	1.25E-02	1.59E+00	2.05E-03	3.14E-01	1.00E-04	-8.25E-06	2.04E-04	1.89E-05	6.02E-05	9.67E-05	-2.45E-03	-1.88E-04	-2.32E-05	-4.90E-03	-3.17E-04	-9.47E-05	-1.45E-02
Offsite Average Acute Hazard-->	4.33E-03	7.07E-01	1.59E-04	1.20E-01	4.60E-05	-1.63E-05	9.18E-05	8.73E-06	-3.58E-05	-5.35E-05	-7.59E-03	-5.44E-04	-7.50E-05	-1.52E-02	-9.73E-04	-2.93E-04	-4.46E-02
Offsite Minimum Acute Hazard-->	-2.52E-03	-2.67E-02	-1.95E-03	-4.83E-02	-2.38E-06	-4.18E-05	-1.82E-06	-2.98E-06	-1.77E-04	-2.88E-04	-3.10E-02	-2.07E-03	-3.10E-04	-6.19E-02	-3.93E-03	-1.20E-03	-1.80E-01
School																	
Offsite Maximum Acute Hazard-->	5.45E-03	7.70E-01	7.99E-04	1.45E-01	5.06E-05	-1.12E-05	9.96E-05	1.07E-05	-1.51E-06	-8.67E-07	-3.92E-03	-2.98E-04	-3.81E-05	-7.84E-03	-5.07E-04	-1.52E-04	-2.32E-02
Offsite Average Acute Hazard-->	3.27E-03	5.89E-01	-2.59E-04	9.27E-02	3.79E-05	-1.61E-05	7.68E-05	6.33E-06	-5.22E-05	-7.89E-05	-7.32E-03	-5.26E-04	-7.29E-05	-1.46E-02	-9.39E-04	-2.83E-04	-4.30E-02
Offsite Minimum Acute Hazard-->	-5.36E-04	1.66E-01	-1.63E-03	-2.16E-03	9.97E-06	-2.11E-05	2.27E-05	-1.69E-07	-1.36E-04	-2.14E-04	-1.19E-02	-8.31E-04	-1.19E-04	-2.39E-02	-1.52E-03	-4.61E-04	-6.99E-02

Table 3-5A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Minimum Range Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
117	370814	758243	Offsite Worker	1.62E+00	1.65E+00	-2.67E-01	5.51E+00	1.19E+00	-2.55E-01	4.99E-01	1.53E-01	-1.99E+00	-1.77E+00	-1.45E-03	-1.05E-01	-7.07E-03	-8.72E-03	-5.56E-03	-8.43E-03	-5.10E+00
118	370810	758153	Offsite Worker	1.85E+00	1.80E+00	-1.65E-01	6.21E+00	1.30E+00	-2.61E-01	5.43E-01	1.72E-01	-1.95E+00	-1.74E+00	-1.45E-03	-1.05E-01	-7.02E-03	-8.70E-03	-5.55E-03	-8.41E-03	-5.09E+00
119	370807	758063	Offsite Worker	2.25E+00	2.03E+00	1.44E-01	7.37E+00	1.47E+00	-2.61E-01	6.11E-01	2.07E-01	-1.65E+00	-1.47E+00	-1.54E-03	-1.13E-01	-7.41E-03	-9.25E-03	-5.90E-03	-8.94E-03	-5.42E+00
120	370803	757974	Offsite Worker	2.92E+00	2.41E+00	7.05E-01	9.32E+00	1.76E+00	-2.60E-01	7.24E-01	2.67E-01	-1.09E+00	-9.58E-01	-1.75E-03	-1.28E-01	-8.39E-03	-1.05E-02	-6.71E-03	-1.02E-02	-6.16E+00
121	370835	757927	Offsite Worker	3.24E+00	2.53E+00	7.20E-01	1.01E+01	1.85E+00	-2.38E-01	7.59E-01	2.79E-01	-1.17E+00	-1.05E+00	-1.96E-03	-1.38E-01	-9.31E-03	-1.17E-02	-7.46E-03	-1.14E-02	-6.85E+00
122	370868	757880	Offsite Worker	2.21E+00	2.06E+00	-1.44E+00	7.17E+00	1.46E+00	-2.82E-01	6.21E-01	1.48E-01	-4.12E+00	-3.82E+00	-1.98E-03	-1.39E-01	-9.45E-03	-1.19E-02	-7.53E-03	-1.15E-02	-6.90E+00
123	370921	757884	Offsite Worker	1.51E+00	1.64E+00	-1.98E+00	5.08E+00	1.14E+00	-2.75E-01	4.98E-01	8.44E-02	-4.68E+00	-4.30E+00	-2.14E-03	-1.56E-01	-1.05E-02	-1.29E-02	-8.21E-03	-1.24E-02	-7.53E+00
124	370975	757887	Offsite Worker	2.73E+00	2.33E+00	-2.01E-01	8.75E+00	1.69E+00	-2.71E-01	7.02E-01	2.24E-01	-2.45E+00	-2.23E+00	-1.89E-03	-1.36E-01	-9.20E-03	-1.14E-02	-7.24E-03	-1.10E-02	-6.64E+00
125	370975	757794	Offsite Worker	3.80E+00	3.03E+00	1.05E+00	1.20E+01	2.22E+00	-2.99E-01	9.08E-01	3.42E-01	-1.08E+00	-9.62E-01	-2.36E-03	-1.72E-01	-1.15E-02	-1.41E-02	-9.03E-03	-1.37E-02	-8.28E+00
126	371026	757794	Offsite Worker	3.94E+00	3.10E+00	1.16E+00	1.24E+01	2.28E+00	-2.97E-01	9.31E-01	3.53E-01	-9.80E-01	-8.66E-01	-2.31E-03	-1.70E-01	-1.11E-02	-1.39E-02	-8.86E-03	-1.34E-02	-8.12E+00
127	371076	757877	Offsite Worker	2.75E+00	2.42E+00	-3.54E-03	8.91E+00	1.76E+00	-3.01E-01	7.31E-01	2.41E-01	-2.24E+00	-2.02E+00	-2.14E-03	-1.59E-01	-1.04E-02	-1.28E-02	-8.20E-03	-1.24E-02	-7.52E+00
128	371126	757959	Offsite Worker	2.11E+00	1.97E+00	-3.30E-01	6.95E+00	1.42E+00	-2.70E-01	5.95E-01	1.83E-01	-2.37E+00	-2.13E+00	-1.98E-03	-1.45E-01	-9.70E-03	-1.19E-02	-7.59E-03	-1.15E-02	-6.96E+00
129	371119	758031	Offsite Worker	1.69E+00	1.67E+00	4.27E-01	5.77E+00	1.23E+00	-2.48E-01	5.06E-01	1.83E-01	-9.27E-01	-7.64E-01	-1.56E-03	-1.18E-01	-7.64E-03	-9.34E-03	-5.99E-03	-9.02E-03	-5.49E+00
143	371953	757977	Offsite Worker	3.23E-01	1.69E+00	-1.58E+00	2.79E+00	1.20E+00	-5.32E-01	5.18E-01	1.07E-01	-4.10E+00	-3.60E+00	-1.28E-03	-1.39E-01	-6.51E-03	-7.68E-03	-5.22E-03	-7.42E-03	-4.79E+00
144	371948	757880	Offsite Worker	1.42E+00	1.84E+00	-6.59E-01	5.33E+00	1.32E+00	-3.62E-01	5.59E-01	1.57E-01	-2.79E+00	-2.47E+00	-7.83E-04	-7.50E-02	-3.78E-03	-4.70E-03	-3.13E-03	-4.54E-03	-2.86E+00
145	371943	757783	Offsite Worker	2.19E+00	2.37E+00	2.25E-01	7.75E+00	1.73E+00	-3.91E-01	7.14E-01	2.45E-01	-1.79E+00	-1.55E+00	-1.59E-03	-1.47E-01	-8.03E-03	-9.52E-03	-6.30E-03	-9.20E-03	-5.77E+00
146	372016	757794	Offsite Worker	2.48E+00	2.31E+00	4.48E-01	8.27E+00	1.69E+00	-3.14E-01	6.96E-01	2.48E-01	-1.39E+00	-1.21E+00	-1.63E-03	-1.42E-01	-8.22E-03	-9.78E-03	-6.41E-03	-9.45E-03	-5.88E+00
147	372102	757791	Offsite Worker	2.69E+00	2.26E+00	6.78E-01	8.65E+00	1.66E+00	-2.54E-01	6.79E-01	2.51E-01	-9.78E-01	-8.58E-01	-1.61E-03	-1.35E-01	-8.06E-03	-9.63E-03	-6.28E-03	-9.31E-03	-5.75E+00
148	372178	757760	Offsite Worker	2.55E+00	2.13E+00	1.56E+00	8.29E+00	1.58E+00	-2.34E-01	6.39E-01	2.73E-01	5.01E-01	5.48E-01	-1.26E-03	-1.13E-01	-6.35E-03	-7.58E-03	-4.99E-03	-7.33E-03	-4.57E+00
149	372177	757670	Offsite Worker	2.35E+00	1.97E+00	1.70E+00	7.67E+00	1.47E+00	-2.18E-01	5.92E-01	2.62E-01	8.27E-01	8.64E-01	-5.95E-04	-6.05E-02	-2.87E-03	-3.57E-03	-2.40E-03	-3.45E-03	-2.20E+00
150	372176	757579	Offsite Worker	1.01E+00	1.43E+00	9.43E-02	4.01E+00	1.05E+00	-3.02E-01	4.37E-01	1.47E-01	-1.27E+00	-1.04E+00	-8.77E-04	-8.06E-02	-4.34E-03	-5.26E-03	-3.48E-03	-5.09E-03	-3.19E+00
151	372174	757489	Offsite Worker	6.82E-01	1.35E+00	-2.35E-01	3.18E+00	9.78E-01	-3.37E-01	4.11E-01	1.25E-01	-1.71E+00	-1.43E+00	-1.11E-03	-1.01E-01	-5.61E-03	-6.68E-03	-4.41E-03	-6.46E-03	-4.04E+00
152	372173	757398	Offsite Worker	4.82E-01	1.19E+00	-5.75E-01	2.51E+00	8.60E-01	-3.24E-01	3.66E-01	9.62E-02	-2.15E+00	-1.83E+00	-9.21E-04	-8.76E-02	-4.57E-03	-5.52E-03	-3.67E-03	-5.34E-03	-3.37E+00
153	372171	757308	Offsite Worker	1.19E+00	1.37E+00	3.79E-01	4.30E+00	1.01E+00	-2.45E-01	4.18E-01	1.51E-01	-8.22E-01	-6.26E-01	-8.51E-04	-7.76E-02	-4.10E-03	-5.11E-03	-3.37E-03	-4.94E-03	-3.09E+00
154	372055	757309	Offsite Worker	1.37E+00	1.71E+00	3.15E-01	5.11E+00	1.25E+00	-3.27E-01	5.20E-01	1.82E-01	-1.23E+00	-9.77E-01	-8.87E-04	-8.38E-02	-4.34E-03	-5.32E-03	-3.53E-03	-5.15E-03	-3.24E+00
156	372055	757416	Offsite Worker	3.49E-01	1.38E+00	-6.00E-01	2.50E+00	9.94E-01	-4.16E-01	4.22E-01	1.14E-01	-2.32E+00	-1.96E+00	-1.07E-03	-1.00E-01	-5.33E-03	-6.41E-03	-4.25E-03	-6.20E-03	-3.90E+00
157	371952	757442	Offsite Worker	6.66E-01	1.51E+00	-5.77E-01	3.32E+00	1.09E+00	-3.98E-01	4.61E-01	1.28E-01	-2.42E+00	-2.06E+00	-1.36E-03	-1.13E-01	-6.85E-03	-8.18E-03	-5.32E-03	-7.91E-03	-4.88E+00
158	371950	757345	Offsite Worker	1.60E-01	1.61E+00	-6.11E-01	2.43E+00	1.17E+00	-5.35E-01	4.95E-01	1.37E-01	-2.57E+00	-2.12E+00	-1.26E-03	-1.39E-01	-6.59E-03	-7.58E-03	-5.18E-03	-7.33E-03	-4.74E+00
159	371864	757344	Offsite Worker	-5.11E-01	1.47E+00	-1.11E+00	8.21E-01	1.06E+00	-6.23E-01	4.56E-01	1.05E-01	-3.24E+00	-2.70E+00	-1.68E-03	-1.79E-01	-8.76E-03	-1.01E-02	-6.82E-03	-9.72E-03	-6.25E+00
160	371790	757347	Offsite Worker	-4.17E-01	1.47E+00	-1.52E+00	9.59E-01	1.04E+00	-6.02E-01	4.54E-01	8.79E-02	-3.87E+00	-3.31E+00	-1.80E-03	-1.73E-01	-9.22E-03	-1.08E-02	-7.18E-03	-1.04E-02	-6.58E+00
161	371708	757356	Offsite Worker	5.27E-01	1.72E+00	-1.34E+00	3.25E+00	1.23E+00	-5.03E-01	5.29E-01	1.19E-01	-3.83E+00	-3.34E+00	-1.82E-03	-1.48E-01	-9.09E-03	-1.09E-02	-7.07E-03	-1.05E-02	-6.48E+00
162	371615	757356	Offsite Worker	1.14E+00	1.91E+00	-1.39E+00	4.74E+00	1.36E+00	-4.46E-01	5.84E-01	1.35E-01	-4.09E+00	-3.63E+00	-2.03E-03	-1.51E-01	-1.01E-02	-1.22E-02	-7.81E-03	-1.18E-02	-7.17E+00
163	371523	757356	Offsite Worker	1.35E+00	2.07E+00	-1.60E+00	5.36E+00	1.47E+00	-4.60E-01	6.32E-01	1.43E-01	-4.58E+00	-4.08E+00	-2.17E-03	-1.61E-01	-1.08E-02	-1.30E-02	-8.32E-03	-1.26E-02	-7.63E+00
164	371430	757356	Offsite Worker	1.60E+00	2.34E+00	-1.79E+00	6.23E+00	1.66E+00	-5.02E-01	7.13E-01	1.62E-01	-5.11E+00	-4.57E+00	-2.07E-03	-1.56E-01	-1.02E-02	-1.24E-02	-7.97E-03	-1.20E-02	-7.31E+00
165	371338	757356	Offsite Worker	2.00E+00	2.63E+00	-2.00E+00	7.42E+00	1.86E+00	-5.26E-01	8.00E-01	1.83E-01	-5.68E+00	-5.11E+00	-2.15E-03	-1.72E-01	-1.06E-02	-1.29E-02	-8.34E-03	-1.25E-02	-7.65E+00
166	371245	757356	Offsite Worker	2.24E+00	2.92E+00	-2.07E+00	8.31E+00	2.07E+00	-5.78E-01	8.86E-01	2.09E-01	-6.00E+00	-5.41E+00	-2.15E-03	-1.82E-01	-1.06E-02	-1.29E-02	-8.40E-03	-1.24E-02	-7.70E+00
167	371153	757356	Offsite Worker	2.38E+00	3.09E+00	-2.02E+00	8.84E+00	2.20E+00	-6.11E-01	9.39E-01	2.28E-01	-6.10E+00	-5.49E+00	-2.17E-03	-1.92E-01	-1.07E-02	-1.30E-02	-8.56E-03	-1.26E-02	-7.85E+00
168	371061	757356	Offsite Worker	2.14E+00	3.11E+00	-1.93E+00	8.37E+00	2.21E+00	-6.64E-01	9.45E-01	2.33E-01	-6.01E+00	-5.36E+00	-2.19E-03	-2.01E-01	-1.08E-02	-1.32E-02	-8.69E-03	-1.27E-02	-7.97E+00
169	371005	757357	Offsite Worker	1.72E+00	2.90E+00	-1.43E+00	7.29E+00	2.08E+00	-6.77E-01	8.84E-01	2.33E-01	-5.04E+00	-4.42E+00	-2.59E-03	-2.29E-01	-1.27E-02	-1.55E-02	-1.02E-02	-1.50E-02	-9.35E+00
170	370998	757293	Offsite Worker	2.25E+00	3.61E+00	-2.72E+00	9.19E+00	2.56E+00	-8.19E-01	1.10E+00	2.52E-01	-7.71E+00	-6.89E+00	-2.97E-03	-2.58E-01	-1.47E-02	-1.78E-02	-1.17E-02	-1.72E-02	-1.07E+01
171	370998	757194	Offsite Worker	1.13E+00	2.85E+00	-1.81E+00	5.93E+00	2.04E+00	-7.77E-01	8.73E-01	2.12E-01	-5.76E+00	-4.99E+00	-3.91E-03	-3.27E-01	-1.97E-02	-2.34E-02	-1.53E-02	-2.27E-02	-1.40E+01
172	370998	757096	Offsite Worker	-6.43E-01	1.91E+00	-3.15E+00	8.62E-01	1.33E+00	-8.05E-01	5.95E-01	6.65E-02	-7.07E+00	-6.16E+00	-2.73E-03	-2.36E-01	-1.37E-02	-1.64E-02	-1.07E-02	-1.58E-02	-9.83E+00
173	370998	756998	Offsite Worker	2.57E-01	1.76E+00	-3.90E+00	2.17E+00	1.21E+00	-5.76E-01	5.64E-01	1.58E-02	-8.98E+00	-7.82E+00	-3.52E-03	-2.63E-01	-1.76E-02	-2.11E-02	-1.35E-02	-2.04E-02	-1.24E+01
174	371057	756997	Offsite Worker	7.27E-01	1.94E+00	-2.57E+00	3.61E+00	1.37E+00	-5.43E-01	6.10E-01	8.79E-02	-6.72E+00	-5.82E+00	-3.55E-03	-2.69E-01	-1.79E-02	-2.13E-02	-1.37E-02	-2.06E-02	-1.25E+01
175	371153	756997	Offsite Worker	1.66E+00	2.35E+00	2.53E-02	6.44E+00	1.73E+00	-4.97E-01	7.24E-01	2.33E-01	-2.71E+00	-2.16E+00	-3.15E-03	-2.38E-01	-1.57E-02	-1.89E-02	-1.21E-02	-1.82E-02	-1.11E+01
176	371249	756997	Offsite Worker	2.57E+00	2.68E+00	1.71E+00	8.93E+00	2.01E+00	-4.28E-01	8.21E-01	3.31E-01	-3.76E-01	7.72E-03	-2.43E-03	-1.80E-01	-1.20E-02	-1.46E-02	-9.31E-03	-1.41E-02	-8.54E+00
177	371345	756997	Offsite Worker	2.96E+00	2.81E+00	1.50E+00	9.85E+00	2.09E+00	-3.93E-01	8.60E-01	3.34E-01	-9.43E-01	-5.14E-01	-2.03E-03	-1.51E-01	-1.00E-02	-1.22E-02	-7.78E-03	-1.18E-02	-7.14E+00
178	371440	756997	Offsite Worker	3.71E+00	3.06E+00	1.83E+00	1.19E+01	2.28E+00	-3.32E-01	9.27E-01	3.75E-01	-2.15E-01	-1.71E-02	-1.84E-03	-1.27E-01	-8.98E-03	-1.10E-02	-6.99E-03	-1.07E-02	-6.41E+00
179	371536	756997	Offsite Worker	3.36E+00	2.82E+00	1.69E+00	1.08E+01	2.10E+00	-3.16E-01	8.53E-01	3.46E-01	-1.55E-01	2.05E-02	-1.53E-03	-1.06E-01	-7.41E-03	-9.16E-03	-5.81E-03	-8.86E-03	-5.33E+00
180	371632	756997	Offsite Worker	2.75E+00	2.46E+00	1.35E+00	9.06E+00	1.83E+00	-3.14E-01	7.46E-01	2.97E-01	-3.83E-01	-1.77E-01	-1.00E-03	-7.05E-02	-4.70E-03	-6.00E-03	-3.81E-03	-5.80E-03	-3.50E+00
181	371728	756997	Offsite Worker	2.53E+00	2.33E+00	1.59E+00	8.45E+00	1.74E+00	-3.11E-01	7.07E-01	2.93E-01	9.64E-02	2.86E-01	2.39E-04	2.38E-02	1.90E-03	1.43E-03	9.61E-04	1.39E-03	8.81E-01
182	371824	756997	Offsite Worker	2.50E+00	2.25E+00	1.41E+00	8.27E+00	1.67E+00	-2.86E-01	6.80E-01	2.78E-01	-7.16E-02	1.01E-01	-2.40E-05	1.46E-04	4.37E-04	-1.44E-04	-7.84E-05	-1.39E-04	-7.22E-02
183	371920	756997	Offsite Worker	2.29E+00	2.08E+00	1.44E+00	7.62E+00	1.55E+00	-2.72E-01	6.31E-01	2.63E-01	1.33E-01	2.91E-01	2.01E-04	2.04E-02	1.67E-03	1.21E-03	8.11E-04	1.17E-03	7.43E-01
184	372016	756997	Offsite Worker	2.81E+00	2.27E+00	2.83E+00	9.10E+00	1.72E+00	-2.32E-01	6.85E-01	3.36E-01	2.16E+00	2.18E+00	5.58E-04	4.76E-02	3.54E-03	3.35E-03	2.19E-03	3.23E-03	2.00E+00
185	372111	756997	Offsite Worker	5.12E+00	3.31E+00	6.27E+00	1.56E+01	2.56E+00	-1.34E-01	9.91E-01	5.75E-01	6.72E+00	6.37E+00	1.17E-03	9.05E-02	6.72E-03	6.99E-03	4.50E-03	6.76E-03	4.13E+00
186	372207	756997	Offsite Worker	7.64E+00	4.54E+00	1.16E+01	2.30E+01	3.59E+00	-5.41E-02	1.35E+00	9.06E-01	1.40E+01	1.31E+01	2.86E-03	2.13E-01	1.57E-02	1.71E-02	1.10E-02	1.66E-02	1.01E+01

Table 3-5A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Minimum Range Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
187	372303	756997	Offsite Worker	4.21E+00	2.90E+00	4.89E+00	1.31E+01	2.23E+00	-1.73E-01	8.71E-01	4.80E-01	4.88E+00	4.68E+00	1.17E-03	8.40E-02	6.69E-03	7.04E-03	4.48E-03	6.81E-03	4.11E+00
188	372399	756997	Offsite Worker	2.09E+00	1.75E+00	1.28E+00	6.74E+00	1.30E+00	-1.95E-01	5.28E-01	2.23E-01	2.49E-01	3.46E-01	5.72E-04	4.08E-02	3.46E-03	3.43E-03	2.18E-03	3.32E-03	2.00E+00
189	372495	756997	Offsite Worker	2.24E+00	1.73E+00	1.28E+00	7.06E+00	1.29E+00	-1.59E-01	5.23E-01	2.22E-01	3.23E-01	3.78E-01	-2.28E-04	-1.72E-02	-7.87E-04	-1.37E-03	-8.76E-04	-1.32E-03	-8.03E-01
190	372591	756997	Offsite Worker	2.87E+00	2.08E+00	1.82E+00	8.87E+00	1.55E+00	-1.53E-01	6.25E-01	2.77E-01	8.70E-01	8.74E-01	-1.16E-04	-8.43E-03	-1.72E-04	-6.93E-04	-4.43E-04	-6.70E-04	-4.06E-01
191	372610	757063	Offsite Worker	2.34E+00	1.79E+00	1.08E+00	7.30E+00	1.33E+00	-1.59E-01	5.39E-01	2.19E-01	-3.34E-02	3.43E-02	-3.96E-04	-3.12E-02	-1.72E-03	-2.37E-03	-1.53E-03	-2.30E-03	-1.41E+00
192	372612	757132	Offsite Worker	1.88E+00	1.50E+00	5.78E-01	5.93E+00	1.10E+00	-1.48E-01	4.51E-01	1.71E-01	-5.46E-01	-4.52E-01	-4.77E-04	-3.77E-02	-2.17E-03	-2.86E-03	-1.85E-03	-2.77E-03	-1.69E+00
193	372614	757201	Offsite Worker	1.75E+00	1.43E+00	3.81E-01	5.55E+00	1.05E+00	-1.52E-01	4.32E-01	1.57E-01	-7.84E-01	-6.77E-01	-3.40E-04	-3.12E-02	-1.47E-03	-2.04E-03	-1.35E-03	-1.97E-03	-1.24E+00
194	372616	757270	Offsite Worker	1.90E+00	1.51E+00	6.02E-01	5.98E+00	1.11E+00	-1.49E-01	4.54E-01	1.73E-01	-4.84E-01	-4.03E-01	-6.63E-04	-5.84E-02	-3.20E-03	-3.98E-03	-2.61E-03	-3.84E-03	-2.39E+00
195	372627	757351	Offsite Worker	1.56E+00	1.36E+00	7.31E-01	5.11E+00	1.01E+00	-1.65E-01	4.11E-01	1.64E-01	-1.78E-01	-8.94E-02	-1.08E-03	-9.04E-02	-5.44E-03	-6.51E-03	-4.23E-03	-6.29E-03	-3.88E+00
196	372651	757422	Offsite Worker	7.32E-01	9.80E-01	-3.15E-01	2.76E+00	7.08E-01	-1.98E-01	3.00E-01	8.46E-02	-1.53E+00	-1.32E+00	-9.50E-04	-7.84E-02	-4.74E-03	-5.70E-03	-3.70E-03	-5.51E-03	-3.40E+00
197	372676	757494	Offsite Worker	8.25E-01	1.08E+00	-4.62E-01	3.08E+00	7.80E-01	-2.17E-01	3.31E-01	8.93E-02	-1.84E+00	-1.61E+00	-1.04E-03	-8.44E-02	-5.19E-03	-6.25E-03	-4.05E-03	-6.04E-03	-3.71E+00
198	372704	757569	Offsite Worker	1.12E+00	1.18E+00	-2.88E-01	3.83E+00	8.53E-01	-1.92E-01	3.59E-01	1.06E-01	-1.65E+00	-1.45E+00	-9.99E-04	-7.89E-02	-4.92E-03	-5.99E-03	-3.87E-03	-5.79E-03	-3.55E+00
199	372733	757645	Offsite Worker	1.01E+00	1.18E+00	1.56E-01	3.68E+00	8.65E-01	-2.12E-01	3.59E-01	1.23E-01	-9.26E-01	-7.60E-01	-9.83E-04	-7.99E-02	-4.87E-03	-5.90E-03	-3.82E-03	-5.70E-03	-3.50E+00
200	372746	757702	Offsite Worker	1.11E+00	1.25E+00	4.11E-01	4.01E+00	9.23E-01	-2.17E-01	3.80E-01	1.41E-01	-5.74E-01	-4.32E-01	-9.47E-04	-8.15E-02	-4.74E-03	-5.68E-03	-3.72E-03	-5.49E-03	-3.41E+00
201	372746	757768	Offsite Worker	1.20E+00	1.30E+00	8.21E-01	4.29E+00	9.69E-01	-2.17E-01	3.94E-01	1.62E-01	1.86E-02	1.30E-01	-7.35E-04	-6.67E-02	-3.63E-03	-4.41E-03	-2.91E-03	-4.26E-03	-2.67E+00
202	372807	757781	Offsite Worker	1.17E+00	1.25E+00	7.95E-01	4.16E+00	9.35E-01	-2.07E-01	3.80E-01	1.56E-01	2.21E-02	1.29E-01	-7.61E-04	-6.79E-02	-3.76E-03	-4.56E-03	-3.00E-03	-4.41E-03	-2.75E+00
203	372901	757782	Offsite Worker	1.30E+00	1.28E+00	6.71E-01	4.45E+00	9.49E-01	-1.89E-01	3.87E-01	1.54E-01	-1.89E-01	-8.53E-02	-8.23E-04	-6.59E-02	-4.05E-03	-4.94E-03	-3.19E-03	-4.78E-03	-2.93E+00
204	372994	757783	Offsite Worker	1.47E+00	1.40E+00	4.14E-01	4.93E+00	1.03E+00	-1.97E-01	4.22E-01	1.55E-01	-6.97E-01	-5.67E-01	-8.42E-04	-6.41E-02	-4.12E-03	-5.05E-03	-3.24E-03	-4.88E-03	-2.97E+00
205	373087	757783	Offsite Worker	1.47E+00	1.36E+00	1.39E-01	4.86E+00	9.95E-01	-1.85E-01	4.13E-01	1.41E-01	-1.10E+00	-9.56E-01	-8.18E-04	-5.97E-02	-3.99E-03	-4.91E-03	-3.13E-03	-4.75E-03	-2.87E+00
206	373180	757784	Offsite Worker	1.47E+00	1.29E+00	5.14E-02	4.74E+00	9.39E-01	-1.59E-01	3.90E-01	1.30E-01	-1.18E+00	-1.04E+00	-7.57E-04	-5.08E-02	-3.65E-03	-4.54E-03	-2.87E-03	-4.39E-03	-2.63E+00
207	373274	757785	Offsite Worker	1.34E+00	1.12E+00	1.86E-02	4.24E+00	8.17E-01	-1.27E-01	3.40E-01	1.12E-01	-1.08E+00	-9.61E-01	-7.27E-04	-4.65E-02	-3.49E-03	-4.36E-03	-2.74E-03	-4.22E-03	-2.51E+00
208	373367	757786	Offsite Worker	1.17E+00	1.02E+00	-2.90E-02	3.77E+00	7.40E-01	-1.23E-01	3.09E-01	9.97E-02	-1.05E+00	-9.34E-01	-6.97E-04	-4.59E-02	-3.35E-03	-4.18E-03	-2.63E-03	-4.04E-03	-2.42E+00
209	373418	757742	Offsite Worker	1.29E+00	1.09E+00	-2.95E-02	4.10E+00	7.91E-01	-1.25E-01	3.30E-01	1.07E-01	-1.12E+00	-9.97E-01	-7.36E-04	-4.76E-02	-3.53E-03	-4.42E-03	-2.78E-03	-4.27E-03	-2.55E+00
210	373418	757653	Offsite Worker	1.25E+00	1.09E+00	-2.79E-01	3.99E+00	7.81E-01	-1.31E-01	3.29E-01	9.64E-02	-1.50E+00	-1.36E+00	-8.13E-04	-5.15E-02	-3.92E-03	-4.88E-03	-3.06E-03	-4.72E-03	-2.81E+00
211	373419	757564	Offsite Worker	1.12E+00	1.03E+00	-3.11E-01	3.63E+00	7.39E-01	-1.38E-01	3.11E-01	8.93E-02	-1.51E+00	-1.35E+00	-7.10E-04	-4.95E-02	-3.49E-03	-4.26E-03	-2.70E-03	-4.12E-03	-2.48E+00
212	373419	757475	Offsite Worker	1.89E+00	1.43E+00	4.95E-01	5.84E+00	1.05E+00	-1.24E-01	4.32E-01	1.61E-01	-6.12E-01	-5.28E-01	-5.75E-04	-3.69E-02	-2.74E-03	-3.45E-03	-2.16E-03	-3.33E-03	-1.99E+00
213	373420	757386	Offsite Worker	2.58E+00	1.77E+00	1.03E+00	7.78E+00	1.31E+00	-1.03E-01	5.30E-01	2.16E-01	-2.17E-02	-1.10E-02	-5.18E-04	-2.64E-02	-2.34E-03	-3.11E-03	-1.90E-03	-3.00E-03	-1.75E+00
214	373420	757297	Offsite Worker	2.72E+00	1.82E+00	1.10E+00	8.14E+00	1.34E+00	-9.13E-02	5.44E-01	2.23E-01	4.77E-02	4.57E-02	-4.66E-04	-2.13E-02	-2.05E-03	-2.79E-03	-1.69E-03	-2.70E-03	-1.55E+00
215	373421	757207	Offsite Worker	2.35E+00	1.60E+00	1.10E+00	7.09E+00	1.19E+00	-9.10E-02	4.81E-01	2.02E-01	2.12E-01	2.15E-01	-5.78E-04	-3.46E-02	-2.70E-03	-3.47E-03	-2.16E-03	-3.35E-03	-1.98E+00
216	373421	757118	Offsite Worker	2.60E+00	1.78E+00	1.72E+00	7.91E+00	1.34E+00	-1.03E-01	5.35E-01	2.44E-01	1.01E+00	9.81E-01	-6.38E-04	-4.64E-02	-3.04E-03	-3.83E-03	-2.44E-03	-3.70E-03	-2.24E+00
217	373292	757117	Offsite Worker	2.58E+00	1.80E+00	1.45E+00	7.87E+00	1.34E+00	-1.13E-01	5.40E-01	2.35E-01	5.74E-01	5.70E-01	-5.16E-04	-3.56E-02	-2.37E-03	-3.10E-03	-1.96E-03	-2.99E-03	-1.80E+00
218	373213	757118	Offsite Worker	2.83E+00	1.95E+00	1.49E+00	8.60E+00	1.45E+00	-1.16E-01	5.86E-01	2.52E-01	5.13E-01	5.05E-01	-4.79E-04	-3.24E-02	-2.18E-03	-2.87E-03	-1.82E-03	-2.78E-03	-1.67E+00
219	373158	757066	Offsite Worker	2.88E+00	2.00E+00	1.69E+00	8.79E+00	1.50E+00	-1.25E-01	6.02E-01	2.65E-01	7.64E-01	7.49E-01	-4.42E-04	-3.21E-02	-1.98E-03	-2.65E-03	-1.69E-03	-2.56E-03	-1.55E+00
220	373084	757026	Offsite Worker	3.00E+00	2.10E+00	1.85E+00	9.18E+00	1.57E+00	-1.33E-01	6.30E-01	2.81E-01	9.39E-01	9.16E-01	-4.10E-04	-3.03E-02	-1.80E-03	-2.46E-03	-1.57E-03	-2.38E-03	-1.44E+00
221	373009	757011	Offsite Worker	3.00E+00	2.15E+00	1.76E+00	9.24E+00	1.60E+00	-1.50E-01	6.45E-01	2.82E-01	7.34E-01	7.35E-01	-3.59E-04	-2.65E-02	-1.52E-03	-2.16E-03	-1.38E-03	-2.08E-03	-1.26E+00
222	372922	757009	Offsite Worker	1.92E+00	1.60E+00	8.66E-01	6.16E+00	1.19E+00	-1.79E-01	4.86E-01	1.93E-01	-2.75E-01	-1.53E-01	-2.48E-04	-2.09E-02	-9.17E-04	-1.49E-03	-9.70E-04	-1.44E-03	-8.89E-01
223	372835	757007	Offsite Worker	2.90E+00	2.08E+00	1.83E+00	8.93E+00	1.56E+00	-1.48E-01	6.25E-01	2.78E-01	8.78E-01	8.82E-01	3.02E-05	-1.11E-03	5.81E-04	1.81E-04	9.20E-05	1.75E-04	8.48E-02
224	372747	757006	Offsite Worker	3.51E+00	2.42E+00	2.29E+00	1.07E+01	1.81E+00	-1.43E-01	7.26E-01	3.30E-01	1.33E+00	1.28E+00	9.15E-05	1.21E-02	9.70E-04	5.49E-04	3.89E-04	5.31E-04	3.56E-01
225	372660	757004	Offsite Worker	3.27E+00	2.30E+00	2.11E+00	1.00E+01	1.72E+00	-1.50E-01	6.90E-01	3.11E-01	1.15E+00	1.13E+00	-4.38E-05	-3.19E-03	2.00E-04	-2.63E-04	-1.68E-04	-2.54E-04	-1.54E-01
226	372651	757063	Offsite Worker	2.65E+00	2.00E+00	1.11E+00	8.23E+00	1.48E+00	-1.70E-01	6.01E-01	2.41E-01	-1.74E-01	-1.02E-01	-4.02E-04	-3.23E-02	-1.77E-03	-2.41E-03	-1.56E-03	-2.33E-03	-1.43E+00
227	372629	756931	Offsite Worker	5.07E+00	3.24E+00	3.68E+00	1.52E+01	2.44E+00	-1.17E-01	9.68E-01	4.65E-01	2.82E+00	2.64E+00	3.71E-04	3.09E-02	2.50E-03	2.22E-03	1.45E-03	2.15E-03	1.33E+00
228	372631	756857	Offsite Worker	3.60E+00	2.46E+00	3.06E+00	1.10E+01	1.87E+00	-1.41E-01	7.39E-01	3.64E-01	2.44E+00	2.35E+00	5.65E-04	4.13E-02	3.44E-03	3.39E-03	2.16E-03	3.28E-03	1.99E+00
229	372634	756783	Offsite Worker	3.32E+00	2.33E+00	3.14E+00	1.02E+01	1.77E+00	-1.50E-01	7.00E-01	3.53E-01	2.63E+00	2.56E+00	3.17E-04	2.21E-02	2.10E-03	1.90E-03	1.21E-03	1.84E-03	1.11E+00
230	372702	756778	Offsite Worker	3.60E+00	2.47E+00	3.05E+00	1.10E+01	1.87E+00	-1.45E-01	7.42E-01	3.64E-01	2.40E+00	2.32E+00	1.82E-04	1.23E-02	1.38E-03	1.09E-03	6.89E-04	1.05E-03	6.32E-01
231	372756	756775	Offsite Worker	4.37E+00	2.82E+00	3.30E+00	1.31E+01	2.13E+00	-1.12E-01	8.46E-01	4.09E-01	2.53E+00	2.39E+00	9.78E-05	3.88E-03	9.11E-04	5.87E-04	3.51E-04	5.67E-04	3.23E-01
232	372729	756712	Offsite Worker	5.17E+00	3.33E+00	3.27E+00	1.54E+01	2.50E+00	-1.32E-01	9.98E-01	4.59E-01	2.07E+00	1.93E+00	-3.30E-05	-4.39E-03	2.20E-04	-1.98E-04	-1.40E-04	-1.91E-04	-1.29E-01
233	372703	756650	Offsite Worker	5.96E+00	3.75E+00	4.12E+00	1.78E+01	2.82E+00	-1.17E-01	1.12E+00	5.34E-01	3.09E+00	2.86E+00	-2.69E-04	-2.21E-02	-9.91E-04	-1.62E-03	-1.05E-03	-1.56E-03	-9.62E-01
234	372677	756588	Offsite Worker	6.79E+00	4.24E+00	4.37E+00	2.02E+01	3.18E+00	-1.23E-01	1.27E+00	5.92E-01	3.08E+00	2.82E+00	-2.69E-04	-2.16E-02	-8.01E-04	-1.61E-03	-1.04E-03	-1.56E-03	-9.57E-01
235	372619	756588	Offsite Worker	6.60E+00	4.13E+00	4.62E+00	1.96E+01	3.10E+00	-1.22E-01	1.23E+00	5.91E-01	3.52E+00	3.26E+00	-2.86E-04	-2.44E-02	-1.01E-03	-1.71E-03	-1.12E-03	-1.66E-03	-1.03E+00
236	372622	756509	Offsite Worker	9.38E+00	5.77E+00	6.23E+00	2.78E+01	4.33E+00	-1.38E-01	1.72E+00	8.17E-01	4.71E+00	4.29E+00	5.63E-05	-1.31E-03	1.17E-03	3.38E-04	1.77E-04	3.26E-04	1.63E-01
237	372700	756511	Offsite Worker	9.42E+00	5.78E+00	5.76E+00	2.78E+01	4.32E+00	-1.32E-01	1.72E+00	7.99E-01	3.99E+00	3.59E+00	-1.85E-05	-5.82E-03	7.63E-04	-1.11E-04	-1.03E-04	-1.07E-04	-9.37E-02
238	372789	756510	Offsite Worker	9.19E+00	5.63E+00	5.11E+00	2.71E+01	4.19E+00	-1.27E-01	1.68E+00	7.59E-01	3.12E+00	2.76E+00	-4.62E-04	-3.55E-02	-1.72E-03	-2.77E-03	-1.78E-03	-2.68E-03	-1.63E+00
239	372871	756509	Offsite Worker	8.57E+00	5.26E+00	4.30E+00	2.52E+01	3.91E+00	-1.24E-01	1.57E+00	6.91E-01	2.19E+00	1.89E+00	-4.14E-04	-2.69E-02	-1.27E-03	-2.48E-03	-1.56E-03	-2.40E-03	-1.43E+00
240	372871	756437	Offsite Worker	9.23E+00	5.66E+00	5.17E+00	2.72E+01	4.22E+00	-1.31E-01	1.69E+00	7.65E-01	3.20E+00	2.84E+00	-5.36E-04	-3.64E-02	-1.80E-03	-3.21E-03	-2.03E-03	-3.11E-03	-1.86E+00
241	372970	756437	Offsite Worker	8.40E+00	5.19E+00	4.45E+00	2.48E+01	3.86E+00	-1.32E-01	1.55E+00	6.89E-01	2.47E+00	2.17E+00	-1.69E-04	-1.26E-02	-1.18E-04	-1.01E-03	-6.49E-04	-9.80E-04	-5.96E-01
242	373069	756437	Offsite Worker	7.60E+00	4.72E+00	3.99E+00	2.24E+01	3.51E+00	-1.29E-01	1.41E+00	6.25E-01	2.11E+00	1.87E+00	-1.02E-04	-7.81E-03	1.19E-04	-6.11E-04	-3.93E-04	-5.91E-04	-3.60E-01

Table 3-5A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Minimum Range Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
243	373168	756437	Offsite Worker	6.87E+00	4.29E+00	3.65E+00	2.03E+01	3.19E+00	-1.25E-01	1.28E+00	5.69E-01	1.95E+00	1.73E+00	-1.81E-04	-1.24E-02	-3.49E-04	-1.09E-03	-6.88E-04	-1.05E-03	-6.31E-01
244	373267	756437	Offsite Worker	6.25E+00	3.92E+00	3.37E+00	1.85E+01	2.92E+00	-1.21E-01	1.17E+00	5.21E-01	1.81E+00	1.62E+00	-2.91E-04	-2.12E-02	-1.02E-03	-1.75E-03	-1.11E-03	-1.69E-03	-1.02E+00
245	373412	756437	Offsite Worker	5.52E+00	3.49E+00	3.02E+00	1.64E+01	2.60E+00	-1.16E-01	1.04E+00	4.65E-01	1.63E+00	1.47E+00	-3.67E-04	-2.77E-02	-1.50E-03	-2.20E-03	-1.41E-03	-2.13E-03	-1.30E+00
246	373409	756339	Offsite Worker	7.28E+00	4.56E+00	3.74E+00	2.15E+01	3.39E+00	-1.36E-01	1.36E+00	5.99E-01	1.86E+00	1.64E+00	-5.43E-04	-4.06E-02	-2.32E-03	-3.26E-03	-2.08E-03	-3.15E-03	-1.91E+00
247	373406	756240	Offsite Worker	7.81E+00	4.84E+00	4.27E+00	2.31E+01	3.60E+00	-1.29E-01	1.44E+00	6.48E-01	2.50E+00	2.21E+00	-3.53E-04	-2.35E-02	-1.17E-03	-2.12E-03	-1.34E-03	-2.05E-03	-1.23E+00
248	373403	756142	Offsite Worker	7.42E+00	4.90E+00	4.74E+00	2.24E+01	3.66E+00	-2.28E-01	1.46E+00	6.73E-01	3.18E+00	2.92E+00	-5.72E-04	-5.09E-02	-2.27E-03	-3.43E-03	-2.25E-03	-3.32E-03	-2.07E+00
249	373400	756042	Offsite Worker	5.45E+00	4.01E+00	3.56E+00	1.70E+01	2.99E+00	-3.12E-01	1.20E+00	5.39E-01	2.06E+00	1.96E+00	-9.91E-04	-9.30E-02	-4.69E-03	-5.94E-03	-3.94E-03	-5.75E-03	-3.61E+00
250	373397	755944	Offsite Worker	3.73E+00	2.99E+00	1.41E+00	1.19E+01	2.20E+00	-3.02E-01	8.98E-01	3.53E-01	-4.33E-01	-3.61E-01	-1.32E-03	-1.18E-01	-6.58E-03	-7.95E-03	-5.23E-03	-7.68E-03	-4.79E+00
251	373393	755846	Offsite Worker	4.42E+00	3.31E+00	7.81E-01	1.37E+01	2.42E+00	-2.76E-01	9.92E-01	3.60E-01	-1.63E+00	-1.55E+00	-1.50E-03	-1.23E-01	-7.41E-03	-9.00E-03	-5.84E-03	-8.70E-03	-5.35E+00
252	373390	755747	Offsite Worker	4.30E+00	3.13E+00	1.24E+00	1.32E+01	2.29E+00	-2.35E-01	9.36E-01	3.60E-01	-7.51E-01	-7.28E-01	-1.52E-03	-1.20E-01	-7.54E-03	-9.12E-03	-5.89E-03	-8.82E-03	-5.40E+00
253	373309	755744	Offsite Worker	4.38E+00	3.17E+00	1.25E+00	1.34E+01	2.32E+00	-2.34E-01	9.48E-01	3.64E-01	-7.61E-01	-7.45E-01	-1.53E-03	-1.21E-01	-7.62E-03	-9.20E-03	-5.93E-03	-8.89E-03	-5.44E+00
254	373229	755743	Offsite Worker	4.43E+00	3.21E+00	1.20E+00	1.36E+01	2.35E+00	-2.37E-01	9.59E-01	3.66E-01	-8.57E-01	-8.38E-01	-1.54E-03	-1.21E-01	-7.63E-03	-9.24E-03	-5.96E-03	-8.93E-03	-5.47E+00
255	373143	755741	Offsite Worker	4.40E+00	3.23E+00	1.09E+00	1.36E+01	2.36E+00	-2.50E-01	9.65E-01	3.64E-01	-1.04E+00	-1.01E+00	-1.63E-03	-1.30E-01	-8.10E-03	-9.81E-03	-6.34E-03	-9.48E-03	-5.81E+00
256	373143	755823	Offsite Worker	4.77E+00	3.56E+00	8.54E-01	1.48E+01	2.59E+00	-2.89E-01	1.06E+00	3.87E-01	-1.67E+00	-1.61E+00	-1.65E-03	-1.35E-01	-8.22E-03	-9.92E-03	-6.43E-03	-9.59E-03	-5.89E+00
257	373143	755906	Offsite Worker	4.37E+00	3.68E+00	6.75E-01	1.41E+01	2.68E+00	-4.13E-01	1.10E+00	3.93E-01	-2.10E+00	-1.93E+00	-1.68E-03	-1.53E-01	-8.46E-03	-1.01E-02	-6.64E-03	-9.73E-03	-6.09E+00
258	373065	755906	Offsite Worker	4.40E+00	3.73E+00	7.07E-01	1.42E+01	2.72E+00	-4.25E-01	1.12E+00	3.99E-01	-2.08E+00	-1.91E+00	-1.53E-03	-1.43E-01	-7.69E-03	-9.18E-03	-6.08E-03	-8.87E-03	-5.57E+00
259	373065	755827	Offsite Worker	4.42E+00	3.55E+00	5.64E-01	1.40E+01	2.58E+00	-3.59E-01	1.06E+00	3.76E-01	-2.12E+00	-1.99E+00	-1.76E-03	-1.51E-01	-8.78E-03	-1.05E-02	-6.89E-03	-1.02E-02	-6.32E+00
260	373068	755733	Offsite Worker	4.50E+00	3.22E+00	1.10E+00	1.38E+01	2.35E+00	-2.26E-01	9.62E-01	3.63E-01	-1.02E+00	-1.00E+00	-1.62E-03	-1.28E-01	-8.01E-03	-9.74E-03	-6.28E-03	-9.41E-03	-5.76E+00
261	373007	755733	Offsite Worker	4.63E+00	3.30E+00	1.16E+00	1.41E+01	2.41E+00	-2.27E-01	9.84E-01	3.73E-01	-9.87E-01	-9.78E-01	-1.72E-03	-1.36E-01	-8.50E-03	-1.03E-02	-6.67E-03	-9.99E-03	-6.12E+00
262	372941	755733	Offsite Worker	4.80E+00	3.37E+00	1.17E+00	1.46E+01	2.46E+00	-2.19E-01	1.01E+00	3.81E-01	-1.02E+00	-1.02E+00	-1.91E-03	-1.50E-01	-9.46E-03	-1.15E-02	-7.41E-03	-1.11E-02	-6.79E+00
263	372941	755636	Offsite Worker	4.39E+00	2.92E+00	2.11E+00	1.32E+01	2.16E+00	-1.42E-01	8.72E-01	3.73E-01	7.38E-01	6.56E-01	-2.24E-03	-1.63E-01	-1.10E-02	-1.34E-02	-8.57E-03	-1.30E-02	-7.86E+00
264	372941	755539	Offsite Worker	4.15E+00	2.72E+00	2.84E+00	1.25E+01	2.04E+00	-1.19E-01	8.12E-01	3.81E-01	2.01E+00	1.87E+00	-1.70E-03	-1.18E-01	-8.19E-03	-1.02E-02	-6.46E-03	-9.84E-03	-5.92E+00
265	372941	755442	Offsite Worker	4.50E+00	2.88E+00	3.50E+00	1.35E+01	2.18E+00	-1.08E-01	8.61E-01	4.24E-01	2.91E+00	2.71E+00	-1.57E-03	-1.09E-01	-7.58E-03	-9.39E-03	-5.96E-03	-9.08E-03	-5.46E+00
266	372913	755342	Offsite Worker	4.46E+00	2.85E+00	3.84E+00	1.34E+01	2.16E+00	-1.04E-01	8.51E-01	4.34E-01	3.47E+00	3.24E+00	-1.37E-03	-9.94E-02	-6.75E-03	-8.25E-03	-5.26E-03	-7.97E-03	-4.82E+00
267	372817	755346	Offsite Worker	4.48E+00	2.86E+00	3.39E+00	1.34E+01	2.16E+00	-1.03E-01	8.55E-01	4.17E-01	2.77E+00	2.57E+00	-1.43E-03	-1.02E-01	-6.93E-03	-8.56E-03	-5.45E-03	-8.27E-03	-5.00E+00
268	372720	755349	Offsite Worker	4.05E+00	2.66E+00	2.05E+00	1.21E+01	1.98E+00	-1.20E-01	7.95E-01	3.44E-01	8.50E-01	7.68E-01	-1.78E-03	-1.23E-01	-8.56E-03	-1.07E-02	-6.76E-03	-1.03E-02	-6.20E+00
269	372624	755352	Offsite Worker	3.58E+00	2.44E+00	1.24E+00	1.08E+01	1.80E+00	-1.37E-01	7.30E-01	2.91E-01	-2.22E-01	-2.30E-01	-3.57E-03	-2.49E-01	-1.77E-02	-2.14E-02	-1.36E-02	-2.07E-02	-1.25E+01
270	372527	755349	Offsite Worker	3.72E+00	2.49E+00	6.37E-01	1.11E+01	1.82E+00	-1.28E-01	7.45E-01	2.72E-01	-1.18E+00	-1.16E+00	-2.83E-03	-1.99E-01	-1.41E-02	-1.70E-02	-1.08E-02	-1.64E-02	-9.89E+00
271	372431	755353	Offsite Worker	2.42E+00	1.89E+00	-2.33E+00	7.28E+00	1.30E+00	-1.77E-01	5.66E-01	9.47E-02	-5.30E+00	-5.01E+00	-6.90E-03	-4.80E-01	-3.47E-02	-4.14E-02	-2.63E-02	-4.00E-02	-2.41E+01
272	372334	755356	Offsite Worker	3.21E+00	2.24E+00	6.18E-02	9.64E+00	1.62E+00	-1.41E-01	6.70E-01	2.24E-01	-1.87E+00	-1.79E+00	-7.66E-03	-5.35E-01	-3.86E-02	-4.60E-02	-2.92E-02	-4.44E-02	-2.68E+01
273	372237	755359	Offsite Worker	3.39E+00	2.30E+00	3.26E-01	1.01E+01	1.67E+00	-1.28E-01	6.89E-01	2.41E-01	-1.50E+00	-1.46E+00	-6.11E-03	-4.33E-01	-3.10E-02	-3.67E-02	-2.33E-02	-3.55E-02	-2.14E+01
274	372141	755362	Offsite Worker	4.34E+00	2.77E+00	1.56E+00	1.29E+01	2.04E+00	-1.00E-01	8.25E-01	3.36E-01	9.01E-02	-6.10E-03	-5.42E-03	-3.83E-01	-2.74E-02	-3.25E-02	-2.07E-02	-3.14E-02	-1.89E+01
275	372044	755366	Offsite Worker	4.84E+00	3.05E+00	2.38E+00	1.44E+01	2.26E+00	-9.59E-02	9.08E-01	3.96E-01	1.13E+00	9.69E-01	-4.91E-03	-3.48E-01	-2.49E-02	-2.94E-02	-1.87E-02	-2.85E-02	-1.72E+01
276	371948	755369	Offsite Worker	4.72E+00	3.02E+00	2.32E+00	1.40E+01	2.24E+00	-1.11E-01	9.00E-01	3.91E-01	1.01E+00	8.79E-01	-3.72E-03	-2.63E-01	-1.87E-02	-2.23E-02	-1.42E-02	-2.16E-02	-1.30E+01
277	371851	755372	Offsite Worker	3.31E+00	2.34E+00	1.57E+00	1.01E+01	1.73E+00	-1.57E-01	7.02E-01	2.94E-01	3.26E-01	3.24E-01	-2.75E-03	-1.93E-01	-1.38E-02	-1.65E-02	-1.05E-02	-1.60E-02	-9.62E+00
278	371755	755375	Offsite Worker	3.14E+00	2.28E+00	1.06E+00	9.65E+00	1.67E+00	-1.69E-01	6.82E-01	2.68E-01	-3.65E-01	-3.38E-01	-1.87E-03	-1.33E-01	-9.31E-03	-1.12E-02	-7.13E-03	-1.08E-02	-6.54E+00
279	371658	755378	Offsite Worker	2.86E+00	2.02E+00	1.65E+00	8.80E+00	1.51E+00	-1.35E-01	6.06E-01	2.66E-01	7.73E-01	7.37E-01	-1.93E-03	-1.42E-01	-9.71E-03	-1.16E-02	-7.41E-03	-1.12E-02	-6.80E+00
280	371562	755382	Offsite Worker	2.82E+00	1.97E+00	1.92E+00	8.66E+00	1.48E+00	-1.25E-01	5.90E-01	2.71E-01	1.21E+00	1.16E+00	-1.50E-03	-1.06E-01	-7.31E-03	-9.00E-03	-5.72E-03	-8.70E-03	-5.24E+00
281	371465	755385	Offsite Worker	3.19E+00	2.15E+00	2.74E+00	9.73E+00	1.63E+00	-1.12E-01	6.42E-01	3.21E-01	2.32E+00	2.20E+00	-2.13E-03	-1.51E-01	-1.05E-02	-1.28E-02	-8.12E-03	-1.24E-02	-7.45E+00
282	371368	755388	Offsite Worker	3.39E+00	2.31E+00	2.85E+00	1.04E+01	1.75E+00	-1.29E-01	6.92E-01	3.41E-01	2.31E+00	2.21E+00	-2.57E-03	-1.88E-01	-1.28E-02	-1.54E-02	-9.84E-03	-1.49E-02	-9.03E+00
283	371272	755391	Offsite Worker	4.15E+00	2.82E+00	5.01E+00	1.28E+01	2.17E+00	-1.55E-01	8.44E-01	4.77E-01	5.22E+00	4.97E+00	-1.59E-03	-1.19E-01	-7.67E-03	-9.57E-03	-6.12E-03	-9.25E-03	-5.61E+00
284	371175	755395	Offsite Worker	4.98E+00	3.39E+00	6.57E+00	1.55E+01	2.63E+00	-1.86E-01	1.01E+00	5.95E-01	7.18E+00	6.82E+00	-5.51E-04	-4.37E-02	-2.25E-03	-3.31E-03	-2.14E-03	-3.20E-03	-1.96E+00
285	371079	755398	Offsite Worker	4.92E+00	3.38E+00	4.28E+00	1.52E+01	2.56E+00	-1.98E-01	1.01E+00	5.05E-01	3.67E+00	3.47E+00	-1.24E-03	-9.32E-02	-5.95E-03	-7.42E-03	-4.76E-03	-7.18E-03	-4.36E+00
286	371042	755478	Offsite Worker	4.03E+00	2.83E+00	3.76E+00	1.25E+01	2.15E+00	-1.82E-01	8.47E-01	4.29E-01	3.33E+00	3.16E+00	-8.19E-04	-6.61E-02	-3.78E-03	-4.91E-03	-3.18E-03	-4.75E-03	-2.92E+00
287	371009	755538	Offsite Worker	3.65E+00	2.54E+00	4.30E+00	1.14E+01	1.95E+00	-1.56E-01	7.60E-01	4.21E-01	4.40E+00	4.19E+00	-9.19E-04	-7.49E-02	-4.32E-03	-5.51E-03	-3.58E-03	-5.33E-03	-3.28E+00
288	370975	755597	Offsite Worker	5.47E+00	3.40E+00	5.34E+00	1.64E+01	2.60E+00	-9.19E-02	1.01E+00	5.48E-01	5.37E+00	5.00E+00	-1.55E-03	-1.16E-01	-7.54E-03	-9.32E-03	-5.97E-03	-9.01E-03	-5.47E+00
289	370925	755597	Offsite Worker	5.61E+00	3.47E+00	6.16E+00	1.69E+01	2.67E+00	-8.68E-02	1.03E+00	5.87E-01	6.58E+00	6.15E+00	-1.31E-03	-9.34E-02	-6.12E-03	-7.83E-03	-4.99E-03	-7.57E-03	-4.57E+00
290	370860	755547	Offsite Worker	4.32E+00	2.87E+00	5.79E+00	1.34E+01	2.23E+00	-1.36E-01	8.56E-01	5.13E-01	6.46E+00	6.11E+00	-8.40E-04	-5.74E-02	-3.58E-03	-5.04E-03	-3.19E-03	-4.87E-03	-2.93E+00
291	370796	755497	Offsite Worker	4.17E+00	2.68E+00	4.87E+00	1.27E+01	2.06E+00	-1.00E-01	7.99E-01	4.57E-01	5.21E+00	4.91E+00	-1.73E-03	-1.21E-01	-8.12E-03	-1.04E-02	-6.59E-03	-1.00E-02	-6.05E+00
292	370733	755428	Offsite Worker	4.78E+00	3.13E+00	5.41E+00	1.46E+01	2.41E+00	-1.40E-01	9.37E-01	5.24E-01	5.63E+00	5.31E+00	-3.94E-04	-2.74E-02	-1.29E-03	-2.37E-03	-1.50E-03	-2.29E-03	-1.38E+00
293	370634	755428	Offsite Worker	7.15E+00	4.54E+00	1.02E+01	2.19E+01	3.56E+00	-1.55E-01	1.36E+00	8.51E-01	1.18E+01	1.11E+01	-1.17E-03	-8.19E-02	-4.90E-03	-7.01E-03	-4.45E-03	-6.77E-03	-4.08E+00
294	370536	755428	Offsite Worker	7.19E+00	4.58E+00	8.16E+00	2.18E+01	3.53E+00	-1.63E-01	1.37E+00	7.76E-01	8.64E+00	8.13E+00	-2.07E-03	-1.45E-01	-9.46E-03	-1.24E-02	-7.88E-03	-1.20E-02	-7.22E+00
295	370437	755428	Offsite Worker	5.96E+00	3.95E+00	6.12E+00	1.82E+01	3.02E+00	-1.87E-01	1.18E+00	6.33E-01	6.01E+00	5.67E+00	-2.09E-03	-1.47E-01	-9.56E-03	-1.26E-02	-7.98E-03	-1.21E-02	-7.32E+00
296	370338	755427	Offsite Worker	5.17E+00	3.53E+00	4.28E+00	1.59E+01	2.67E+00	-2.02E-01	1.06E+00	5.19E-01	3.52E+00	3.33E+00	-3.41E-03	-2.41E-01	-1.66E-02	-2.05E-02	-1.30E-02	-1.98E-02	-1.19E+01
307	369249	755442	Offsite Worker	8.87E-01	1.51E+00	-3.67E+00	3.46E+00	9.97E-01	-3.53E-01	4.58E-01	4.94E-03	-7.14E+00	-6.61E+00	-1.53E-03	-1.19E-01	-7.63E-03	-9.17E-03	-5.91E-03	-8.86E-03	-5.42E+00
308	369151	755442	Offsite Worker	1.48E-01	1.07E+00	-2.96E+00	1.42E+00	7.06E-01	-3.49E-01	3.30E-01	-1.02E-02	-5.74E+00	-5.23E+00	-1.62E-03	-1.18E-01	-7.91E-03	-9.71E-03	-6.19E-03	-9.38E-03	-5.68E+00

Table 3-5A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Minimum Range Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
309	369052	755442	Offsite Worker	1.55E+00	1.76E+00	-9.59E-01	5.45E+00	1.25E+00	-3.07E-01	5.34E-01	1.37E-01	-3.19E+00	-2.88E+00	-1.12E-03	-8.16E-02	-5.28E-03	-6.69E-03	-4.27E-03	-6.47E-03	-3.92E+00
320	368035	755402	Offsite Worker	3.55E+00	2.49E+00	1.69E+00	1.08E+01	1.84E+00	-1.60E-01	7.44E-01	3.13E-01	4.43E-01	4.14E-01	-9.49E-04	-7.51E-02	-4.61E-03	-5.69E-03	-3.68E-03	-5.50E-03	-3.37E+00
321	367960	755389	Offsite Worker	3.54E+00	2.48E+00	1.96E+00	1.08E+01	1.84E+00	-1.57E-01	7.41E-01	3.23E-01	8.45E-01	7.99E-01	-9.28E-04	-7.42E-02	-4.52E-03	-5.57E-03	-3.60E-03	-5.38E-03	-3.30E+00
322	367863	755390	Offsite Worker	3.55E+00	2.50E+00	2.19E+00	1.09E+01	1.87E+00	-1.67E-01	7.50E-01	3.35E-01	1.18E+00	1.12E+00	-9.20E-04	-7.69E-02	-4.51E-03	-5.52E-03	-3.59E-03	-5.34E-03	-3.29E+00
323	367766	755392	Offsite Worker	3.58E+00	2.51E+00	2.38E+00	1.10E+01	1.88E+00	-1.62E-01	7.52E-01	3.43E-01	1.47E+00	1.40E+00	-8.84E-04	-7.48E-02	-4.33E-03	-5.30E-03	-3.46E-03	-5.13E-03	-3.17E+00
324	367669	755393	Offsite Worker	3.65E+00	2.52E+00	2.58E+00	1.12E+01	1.89E+00	-1.52E-01	7.55E-01	3.52E-01	1.78E+00	1.68E+00	-8.47E-04	-7.29E-02	-4.15E-03	-5.08E-03	-3.32E-03	-4.91E-03	-3.05E+00
325	367572	755394	Offsite Worker	3.75E+00	2.53E+00	2.81E+00	1.14E+01	1.91E+00	-1.36E-01	7.58E-01	3.62E-01	2.12E+00	2.00E+00	-7.99E-04	-7.01E-02	-3.91E-03	-4.79E-03	-3.14E-03	-4.63E-03	-2.88E+00
326	367475	755395	Offsite Worker	3.60E+00	2.43E+00	2.79E+00	1.10E+01	1.83E+00	-1.28E-01	7.27E-01	3.51E-01	2.19E+00	2.06E+00	-7.40E-04	-6.34E-02	-3.60E-03	-4.44E-03	-2.90E-03	-4.29E-03	-2.66E+00
327	370400	756850	On-Site Occupational	-4.87E+00	1.06E+00	-1.54E+01	-1.03E+01	3.98E-01	-1.36E+00	3.56E-01	-5.00E-01	-2.55E+01	-2.33E+01	-4.34E-03	-3.21E-01	-2.16E-02	-2.60E-02	-1.66E-02	-2.51E-02	-1.53E+01
1	367379	755396	Recreational	3.36E+00	2.32E+00	2.81E+00	1.04E+01	1.76E+00	-1.39E-01	6.95E-01	3.41E-01	2.30E+00	2.19E+00	-6.88E-04	-5.80E-02	-3.31E-03	-4.13E-03	-2.69E-03	-3.99E-03	-2.47E+00
2	367340	755485	Recreational	3.16E+00	2.23E+00	2.54E+00	9.77E+00	1.68E+00	-1.47E-01	6.67E-01	3.21E-01	1.96E+00	1.87E+00	-5.68E-04	-4.82E-02	-2.65E-03	-3.41E-03	-2.22E-03	-3.29E-03	-2.04E+00
3	367301	755573	Recreational	2.95E+00	2.08E+00	2.17E+00	9.10E+00	1.56E+00	-1.36E-01	6.22E-01	2.91E-01	1.51E+00	1.44E+00	-7.38E-04	-5.96E-02	-3.52E-03	-4.43E-03	-2.87E-03	-4.28E-03	-2.63E+00
4	367263	755661	Recreational	3.57E+00	2.40E+00	2.77E+00	1.09E+01	1.81E+00	-1.26E-01	7.18E-01	3.47E-01	2.18E+00	2.05E+00	-7.84E-04	-6.14E-02	-3.75E-03	-4.70E-03	-3.03E-03	-4.55E-03	-2.78E+00
5	367224	755749	Recreational	3.96E+00	2.64E+00	3.80E+00	1.21E+01	2.01E+00	-1.29E-01	7.89E-01	4.11E-01	3.55E+00	3.35E+00	-8.92E-04	-6.75E-02	-4.31E-03	-5.35E-03	-3.43E-03	-5.17E-03	-3.15E+00
6	367186	755838	Recreational	3.67E+00	2.51E+00	3.80E+00	1.13E+01	1.92E+00	-1.44E-01	7.53E-01	3.99E-01	3.63E+00	3.46E+00	-7.02E-04	-5.60E-02	-3.37E-03	-4.21E-03	-2.72E-03	-4.07E-03	-2.50E+00
7	367147	755926	Recreational	2.94E+00	2.19E+00	2.40E+00	9.25E+00	1.65E+00	-1.78E-01	6.57E-01	3.12E-01	1.74E+00	1.69E+00	-7.11E-04	-4.89E-02	-3.27E-03	-4.27E-03	-2.70E-03	-4.12E-03	-2.48E+00
8	367109	756014	Recreational	3.30E+00	2.35E+00	2.09E+00	1.02E+01	1.75E+00	-1.62E-01	7.03E-01	3.15E-01	1.15E+00	1.10E+00	-8.80E-04	-6.17E-02	-4.12E-03	-5.28E-03	-3.35E-03	-5.10E-03	-3.07E+00
9	367070	756103	Recreational	3.76E+00	2.60E+00	2.22E+00	1.15E+01	1.94E+00	-1.56E-01	7.78E-01	3.45E-01	1.13E+00	1.07E+00	-1.04E-03	-7.78E-02	-5.04E-03	-6.26E-03	-4.01E-03	-6.06E-03	-3.68E+00
10	367032	756191	Recreational	3.49E+00	2.43E+00	2.30E+00	1.07E+01	1.82E+00	-1.51E-01	7.28E-01	3.31E-01	1.38E+00	1.32E+00	-1.16E-03	-8.41E-02	-5.58E-03	-6.94E-03	-4.43E-03	-6.71E-03	-4.06E+00
11	366993	756279	Recreational	2.87E+00	2.08E+00	2.06E+00	8.91E+00	1.56E+00	-1.55E-01	6.26E-01	2.87E-01	1.26E+00	1.24E+00	-8.71E-04	-6.18E-02	-4.06E-03	-5.22E-03	-3.32E-03	-5.05E-03	-3.05E+00
12	366954	756367	Recreational	2.38E+00	1.74E+00	1.53E+00	7.38E+00	1.30E+00	-1.33E-01	5.23E-01	2.33E-01	7.56E-01	7.58E-01	-6.93E-04	-4.97E-02	-3.17E-03	-4.16E-03	-2.65E-03	-4.02E-03	-2.43E+00
13	366916	756456	Recreational	2.52E+00	1.74E+00	1.71E+00	7.70E+00	1.31E+00	-1.05E-01	5.23E-01	2.40E-01	1.05E+00	1.01E+00	-6.37E-04	-4.92E-02	-2.97E-03	-3.82E-03	-2.46E-03	-3.69E-03	-2.25E+00
14	366877	756544	Recreational	1.65E+00	1.26E+00	9.88E-01	5.17E+00	9.39E-01	-1.11E-01	3.79E-01	1.63E-01	3.33E-01	3.62E-01	-6.35E-04	-4.76E-02	-2.98E-03	-3.81E-03	-2.44E-03	-3.68E-03	-2.24E+00
15	366839	756632	Recreational	1.56E+00	1.27E+00	8.30E-01	4.98E+00	9.43E-01	-1.33E-01	3.83E-01	1.58E-01	6.82E-02	1.26E-01	-8.66E-04	-6.57E-02	-4.21E-03	-5.19E-03	-3.33E-03	-5.02E-03	-3.06E+00
16	366800	756720	Recreational	1.75E+00	1.42E+00	2.94E-01	5.53E+00	1.04E+00	-1.46E-01	4.27E-01	1.52E-01	-9.01E-01	-7.92E-01	-8.65E-04	-6.78E-02	-4.28E-03	-5.19E-03	-3.35E-03	-5.02E-03	-3.07E+00
17	366762	756809	Recreational	2.49E+00	1.79E+00	5.82E-01	7.59E+00	1.31E+00	-1.26E-01	5.36E-01	2.00E-01	-7.32E-01	-6.74E-01	-6.08E-04	-5.01E-02	-2.99E-03	-3.65E-03	-2.37E-03	-3.52E-03	-2.17E+00
18	366723	756897	Recreational	2.60E+00	1.93E+00	8.71E-01	8.03E+00	1.42E+00	-1.58E-01	5.81E-01	2.26E-01	-4.14E-01	-3.59E-01	-8.19E-04	-6.22E-02	-4.01E-03	-4.91E-03	-3.15E-03	-4.75E-03	-2.89E+00
19	366685	756985	Recreational	2.27E+00	1.82E+00	6.51E-01	7.17E+00	1.34E+00	-1.82E-01	5.48E-01	2.06E-01	-7.18E-01	-6.07E-01	-1.22E-03	-8.95E-02	-6.04E-03	-7.32E-03	-4.67E-03	-7.07E-03	-4.29E+00
20	366646	757074	Recreational	1.94E+00	1.62E+00	3.69E-01	6.18E+00	1.18E+00	-1.78E-01	4.88E-01	1.74E-01	-1.01E+00	-8.72E-01	-1.23E-03	-8.77E-02	-6.05E-03	-7.35E-03	-4.68E-03	-7.11E-03	-4.29E+00
21	366607	757162	Recreational	1.49E+00	1.30E+00	2.45E-01	4.82E+00	9.52E-01	-1.58E-01	3.94E-01	1.38E-01	-9.21E-01	-7.85E-01	-1.05E-03	-7.64E-02	-5.18E-03	-6.30E-03	-4.02E-03	-6.09E-03	-3.69E+00
22	366569	757250	Recreational	1.05E+00	9.67E-01	1.21E-01	3.45E+00	7.07E-01	-1.29E-01	2.93E-01	1.00E-01	-8.00E-01	-6.80E-01	-9.80E-04	-6.89E-02	-4.80E-03	-5.88E-03	-3.73E-03	-5.68E-03	-3.42E+00
23	366530	757338	Recreational	1.03E+00	9.36E-01	1.01E-01	3.37E+00	6.84E-01	-1.23E-01	2.84E-01	9.65E-02	-7.94E-01	-6.80E-01	-9.77E-04	-6.90E-02	-4.78E-03	-5.86E-03	-3.72E-03	-5.66E-03	-3.42E+00
24	366492	757427	Recreational	1.36E+00	1.13E+00	6.19E-01	4.36E+00	8.35E-01	-1.22E-01	3.40E-01	1.36E-01	-1.52E-01	-7.83E-02	-8.79E-04	-6.17E-02	-4.27E-03	-5.27E-03	-3.35E-03	-5.10E-03	-3.07E+00
25	366453	757515	Recreational	1.80E+00	1.36E+00	1.24E+00	5.65E+00	1.02E+00	-1.18E-01	4.11E-01	1.84E-01	6.19E-01	6.38E-01	-7.21E-04	-5.26E-02	-3.49E-03	-4.32E-03	-2.76E-03	-4.18E-03	-2.53E+00
26	366415	757603	Recreational	2.53E+00	1.73E+00	1.95E+00	7.74E+00	1.30E+00	-9.83E-02	5.19E-01	2.48E-01	1.45E+00	1.39E+00	-7.04E-04	-5.35E-02	-3.44E-03	-4.23E-03	-2.71E-03	-4.08E-03	-2.49E+00
27	366376	757692	Recreational	2.70E+00	1.85E+00	2.21E+00	8.28E+00	1.40E+00	-1.05E-01	5.54E-01	2.70E-01	1.75E+00	1.67E+00	-6.33E-04	-5.01E-02	-3.10E-03	-3.80E-03	-2.45E-03	-3.67E-03	-2.25E+00
84	369336	758100	Recreational	1.12E+00	1.26E+00	-1.63E+00	3.82E+00	8.71E-01	-2.19E-01	3.82E-01	6.05E-02	-3.75E+00	-3.45E+00	-2.18E-03	-1.60E-01	-1.08E-02	-1.31E-02	-8.34E-03	-1.26E-02	-7.65E+00
85	369269	758170	Recreational	6.07E-01	9.94E-01	-2.08E+00	2.35E+00	6.69E-01	-2.29E-01	3.04E-01	1.64E-02	-4.24E+00	-3.89E+00	-2.16E-03	-1.60E-01	-1.09E-02	-1.30E-02	-8.30E-03	-1.25E-02	-7.61E+00
86	369202	758239	Recreational	8.36E-01	1.03E+00	-8.24E-01	3.00E+00	7.25E-01	-1.94E-01	3.12E-01	6.92E-02	-2.31E+00	-2.08E+00	-1.74E-03	-1.31E-01	-8.71E-03	-1.04E-02	-6.69E-03	-1.01E-02	-6.13E+00
87	369264	758285	Recreational	5.87E-01	9.61E-01	-2.08E+00	2.28E+00	6.45E-01	-2.21E-01	2.93E-01	1.35E-02	-4.17E+00	-3.85E+00	-1.98E-03	-1.46E-01	-9.92E-03	-1.19E-02	-7.60E-03	-1.15E-02	-6.97E+00
88	369326	758330	Recreational	1.27E+00	1.28E+00	-1.11E+00	4.21E+00	8.98E-01	-1.96E-01	3.86E-01	8.31E-02	-2.91E+00	-2.68E+00	-1.67E-03	-1.23E-01	-8.27E-03	-1.00E-02	-6.41E-03	-9.69E-03	-5.88E+00
89	369389	758376	Recreational	1.63E+00	1.47E+00	-6.89E-01	5.26E+00	1.04E+00	-1.88E-01	4.42E-01	1.18E-01	-2.41E+00	-2.23E+00	-1.26E-03	-9.16E-02	-6.10E-03	-7.55E-03	-4.82E-03	-7.29E-03	-4.42E+00
90	369389	758462	Recreational	1.56E+00	1.42E+00	-7.38E-01	5.04E+00	1.01E+00	-1.87E-01	4.28E-01	1.12E-01	-2.46E+00	-2.26E+00	-1.19E-03	-8.68E-02	-5.76E-03	-7.14E-03	-4.56E-03	-6.90E-03	-4.18E+00
91	369389	758548	Recreational	1.44E+00	1.35E+00	-6.43E-01	4.71E+00	9.66E-01	-1.88E-01	4.09E-01	1.09E-01	-2.26E+00	-2.07E+00	-1.17E-03	-8.75E-02	-5.72E-03	-7.05E-03	-4.51E-03	-6.81E-03	-4.14E+00
28	366338	757780	Residential	2.75E+00	1.88E+00	2.37E+00	8.41E+00	1.42E+00	-1.07E-01	5.63E-01	2.79E-01	1.96E+00	1.87E+00	-5.22E-04	-4.18E-02	-2.52E-03	-3.13E-03	-2.03E-03	-3.03E-03	-1.86E+00
29	366402	757746	Residential	2.81E+00	1.92E+00	2.38E+00	8.60E+00	1.45E+00	-1.08E-01	5.75E-01	2.84E-01	1.95E+00	1.86E+00	-5.37E-04	-4.30E-02	-2.59E-03	-3.22E-03	-2.08E-03	-3.11E-03	-1.91E+00
30	366467	757713	Residential	2.87E+00	1.95E+00	2.40E+00	8.78E+00	1.48E+00	-1.09E-01	5.85E-01	2.88E-01	1.95E+00	1.86E+00	-5.53E-04	-4.44E-02	-2.68E-03	-3.32E-03	-2.15E-03	-3.21E-03	-1.97E+00
31	366531	757679	Residential	2.92E+00	1.98E+00	2.41E+00	8.91E+00	1.50E+00	-1.10E-01	5.94E-01	2.92E-01	1.95E+00	1.86E+00	-5.79E-04	-4.64E-02	-2.82E-03	-3.48E-03	-2.25E-03	-3.36E-03	-2.06E+00
32	366567	757773	Residential	2.94E+00	2.01E+00	2.57E+00	9.01E+00	1.53E+00	-1.16E-01	6.03E-01	3.00E-01	2.13E+00	2.04E+00	-4.95E-04	-3.98E-02	-2.36E-03	-2.97E-03	-1.92E-03	-2.87E-03	-1.76E+00
33	366625	757758	Residential	2.99E+00	2.04E+00	2.61E+00	9.17E+00	1.55E+00	-1.16E-01	6.12E-01	3.05E-01	2.18E+00	2.09E+00	-4.93E-04	-3.97E-02	-2.34E-03	-2.96E-03	-1.91E-03	-2.86E-03	-1.75E+00
34	366682	757744	Residential	3.04E+00	2.07E+00	2.66E+00	9.32E+00	1.57E+00	-1.16E-01	6.22E-01	3.10E-01	2.23E+00	2.13E+00	-4.90E-04	-3.95E-02	-2.32E-03	-2.94E-03	-1.90E-03	-2.84E-03	-1.74E+00
35	366768	757788	Residential	2.87E+00	2.03E+00	2.61E+00	8.90E+00	1.54E+00	-1.36E-01	6.09E-01	3.04E-01	2.17E+00	2.09E+00	-4.97E-04	-4.03E-02	-2.35E-03	-2.98E-03	-1.93E-03	-2.88E-03	-1.77E+00
36	366854	757833	Residential	2.59E+00	1.92E+00	2.43E+00	8.16E+00	1.46E+00	-1.53E-01	5.78E-01	2.86E-01	1.96E+00	1.92E+00	-5.47E-04	-4.40E-02	-2.61E-03	-3.28E-03	-2.12E-03	-3.17E-03	-1.95E+00
37	366941	757877	Residential	2.38E+00	1.79E+00	2.09E+00	7.49E+00	1.35E+00	-1.51E-01	5.39E-01	2.60E-01	1.53E+00	1.52E+00	-6.28E-04	-4.99E-02	-3.03E-03	-3.77E-03	-2.43E-03	-3.64E-03	-2.23E+00
38	367027	757922	Residential	2.23E+00	1.67E+00	1.73E+00	6.99E+00	1.26E+00	-1.39E-01	5.02E-01	2.33E-01	1.09E+00	1.09E+00	-7.06E-04	-5.57E-02	-3.45E-03	-4.23E-03	-2.73E-03	-4.09E-03	-2.51E+00
39	367113	757966	Residential	2.21E+00	1.61E+00	1.42E+00	6.86E+00	1.20E+00	-1.20E-01	4.83E-01	2.15E-01	7.12E-01	7.08E-01	-7.35E-04	-5.73E-02	-3.59E-03	-4.41E-03	-2.84E-03	-4.26E-03	-2.61E+00

Table 3-5A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Minimum Range Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
40	367192	757916	Residential	2.24E+00	1.65E+00	1.50E+00	6.98E+00	1.24E+00	-1.30E-01	4.97E-01	2.23E-01	7.68E-01	7.74E-01	-7.50E-04	-5.90E-02	-3.67E-03	-4.50E-03	-2.90E-03	-4.35E-03	-2.66E+00
41	367264	757916	Residential	2.26E+00	1.66E+00	1.38E+00	7.02E+00	1.24E+00	-1.29E-01	5.00E-01	2.19E-01	5.92E-01	6.00E-01	-7.72E-04	-6.03E-02	-3.78E-03	-4.63E-03	-2.98E-03	-4.48E-03	-2.74E+00
42	367335	757916	Residential	2.30E+00	1.68E+00	1.27E+00	7.11E+00	1.25E+00	-1.29E-01	5.05E-01	2.17E-01	4.21E-01	4.32E-01	-7.96E-04	-6.21E-02	-3.90E-03	-4.78E-03	-3.08E-03	-4.62E-03	-2.82E+00
43	367343	757966	Residential	2.32E+00	1.70E+00	1.10E+00	7.18E+00	1.26E+00	-1.31E-01	5.11E-01	2.12E-01	1.63E-01	1.78E-01	-7.56E-04	-6.03E-02	-3.69E-03	-4.54E-03	-2.93E-03	-4.39E-03	-2.69E+00
44	367404	757995	Residential	2.12E+00	1.62E+00	7.87E-01	6.63E+00	1.19E+00	-1.42E-01	4.87E-01	1.92E-01	-2.55E-01	-2.08E-01	-7.21E-04	-5.77E-02	-3.49E-03	-4.33E-03	-2.80E-03	-4.18E-03	-2.57E+00
45	367465	758024	Residential	1.57E+00	1.36E+00	2.66E-01	5.08E+00	9.94E-01	-1.62E-01	4.10E-01	1.45E-01	-8.80E-01	-7.65E-01	-8.99E-04	-7.16E-02	-4.40E-03	-5.39E-03	-3.48E-03	-5.21E-03	-3.20E+00
55	367673	758189	Residential	2.41E-01	6.89E-01	-8.93E-01	1.30E+00	4.83E-01	-1.95E-01	2.13E-01	3.30E-02	-2.17E+00	-1.92E+00	-1.22E-03	-9.50E-02	-6.14E-03	-7.31E-03	-4.71E-03	-7.07E-03	-4.32E+00
59	367816	758096	Residential	1.17E-01	6.36E-01	-9.38E-01	9.62E-01	4.43E-01	-2.01E-01	1.98E-01	2.59E-02	-2.22E+00	-1.95E+00	-1.31E-03	-1.02E-01	-6.60E-03	-7.88E-03	-5.07E-03	-7.62E-03	-4.65E+00
60	367898	758066	Residential	1.47E-01	6.90E-01	-9.70E-01	1.10E+00	4.82E-01	-2.15E-01	2.14E-01	3.01E-02	-2.31E+00	-2.04E+00	-1.33E-03	-1.04E-01	-6.68E-03	-7.97E-03	-5.13E-03	-7.70E-03	-4.71E+00
61	367980	758035	Residential	1.35E-01	7.25E-01	-1.06E+00	1.11E+00	5.05E-01	-2.29E-01	2.25E-01	2.99E-02	-2.49E+00	-2.20E+00	-1.35E-03	-1.06E-01	-6.79E-03	-8.09E-03	-5.22E-03	-7.82E-03	-4.79E+00
62	368062	758005	Residential	2.49E-01	8.29E-01	-1.08E+00	1.48E+00	5.80E-01	-2.43E-01	2.56E-01	3.96E-02	-2.61E+00	-2.31E+00	-1.38E-03	-1.10E-01	-6.99E-03	-8.31E-03	-5.36E-03	-8.03E-03	-4.92E+00
63	368144	757975	Residential	4.19E-01	9.75E-01	-1.16E+00	2.02E+00	6.83E-01	-2.60E-01	3.00E-01	5.09E-02	-2.85E+00	-2.54E+00	-1.44E-03	-1.14E-01	-7.26E-03	-8.62E-03	-5.57E-03	-8.33E-03	-5.11E+00
64	368226	757945	Residential	4.40E-01	1.04E+00	-1.22E+00	2.15E+00	7.30E-01	-2.79E-01	3.20E-01	5.53E-02	-3.00E+00	-2.67E+00	-1.48E-03	-1.18E-01	-7.46E-03	-8.87E-03	-5.73E-03	-8.58E-03	-5.26E+00
65	368301	757943	Residential	8.66E-01	1.32E+00	-1.04E+00	3.43E+00	9.40E-01	-2.93E-01	4.04E-01	9.06E-02	-2.96E+00	-2.64E+00	-1.39E-03	-1.11E-01	-6.99E-03	-8.34E-03	-5.39E-03	-8.06E-03	-4.94E+00
66	368376	757941	Residential	1.29E+00	1.53E+00	-6.68E-01	4.62E+00	1.09E+00	-2.79E-01	4.64E-01	1.25E-01	-2.54E+00	-2.26E+00	-1.28E-03	-1.02E-01	-6.38E-03	-7.67E-03	-4.96E-03	-7.42E-03	-4.54E+00
67	368452	757940	Residential	1.49E+00	1.59E+00	-9.33E-02	5.18E+00	1.15E+00	-2.60E-01	4.82E-01	1.54E-01	-1.69E+00	-1.47E+00	-1.16E-03	-9.04E-02	-5.70E-03	-6.98E-03	-4.49E-03	-6.75E-03	-4.12E+00
68	368527	757938	Residential	2.27E+00	2.01E+00	7.35E-01	7.44E+00	1.48E+00	-2.49E-01	6.06E-01	2.28E-01	-7.50E-01	-6.06E-01	-1.00E-03	-7.80E-02	-4.80E-03	-6.00E-03	-3.86E-03	-5.80E-03	-3.54E+00
69	368563	757880	Residential	2.59E+00	2.23E+00	6.12E-01	8.38E+00	1.63E+00	-2.63E-01	6.72E-01	2.45E-01	-1.12E+00	-9.66E-01	-1.11E-03	-8.61E-02	-5.38E-03	-6.67E-03	-4.29E-03	-6.45E-03	-3.94E+00
70	368636	757926	Residential	1.44E+00	1.59E+00	5.40E-01	5.13E+00	1.18E+00	-2.72E-01	4.84E-01	1.79E-01	-7.60E-01	-5.62E-01	-7.70E-04	-6.01E-02	-3.59E-03	-4.62E-03	-2.98E-03	-4.46E-03	-2.73E+00
71	368709	757971	Residential	3.45E-01	7.46E-01	4.28E-01	1.72E+00	5.61E-01	-1.94E-01	2.30E-01	9.08E-02	-1.94E-01	-3.32E-02	-1.20E-03	-9.07E-02	-5.88E-03	-7.21E-03	-4.62E-03	-6.97E-03	-4.24E+00
72	368782	758017	Residential	-1.16E+00	-6.68E-02	-1.15E+00	-2.65E+00	-6.66E-02	-2.12E-01	-1.06E-02	-5.20E-02	-1.98E+00	-1.67E+00	-1.66E-03	-1.24E-01	-8.36E-03	-9.95E-03	-6.37E-03	-9.62E-03	-5.84E+00
73	368855	758062	Residential	-1.19E+00	-9.75E-03	-1.57E+00	-2.65E+00	-3.66E-02	-2.37E-01	6.51E-03	-6.25E-02	-2.65E+00	-2.30E+00	-1.61E-03	-1.19E-01	-8.01E-03	-9.63E-03	-6.16E-03	-9.31E-03	-5.65E+00
74	368928	758108	Residential	1.43E-01	8.52E-01	-2.53E+00	1.15E+00	5.56E-01	-2.73E-01	2.63E-01	-1.53E-02	-4.85E+00	-4.43E+00	-2.84E-03	-2.06E-01	-1.43E-02	-1.70E-02	-1.09E-02	-1.65E-02	-9.96E+00
75	369001	758153	Residential	2.87E+00	2.35E+00	-7.25E-01	9.00E+00	1.68E+00	-2.50E-01	7.07E-01	2.05E-01	-3.25E+00	-3.02E+00	-2.24E-03	-1.63E-01	-1.11E-02	-1.34E-02	-8.57E-03	-1.30E-02	-7.86E+00
76	369058	758074	Residential	3.18E+00	2.54E+00	-5.62E-01	9.90E+00	1.82E+00	-2.54E-01	7.62E-01	2.29E-01	-3.15E+00	-2.93E+00	-2.24E-03	-1.64E-01	-1.11E-02	-1.34E-02	-8.59E-03	-1.30E-02	-7.88E+00
77	369102	758103	Residential	3.09E+00	2.32E+00	5.42E-01	9.55E+00	1.69E+00	-1.93E-01	6.95E-01	2.51E-01	-1.23E+00	-1.14E+00	-1.92E-03	-1.44E-01	-9.49E-03	-1.15E-02	-7.38E-03	-1.11E-02	-6.77E+00
78	369145	758132	Residential	2.14E+00	1.75E+00	1.64E-01	6.78E+00	1.27E+00	-1.85E-01	5.27E-01	1.80E-01	-1.36E+00	-1.23E+00	-2.02E-03	-1.50E-01	-1.00E-02	-1.21E-02	-7.75E-03	-1.17E-02	-7.11E+00
79	369200	758065	Residential	2.02E+00	1.71E+00	9.58E-02	6.46E+00	1.24E+00	-1.95E-01	5.15E-01	1.73E-01	-1.44E+00	-1.29E+00	-2.24E-03	-1.67E-01	-1.12E-02	-1.34E-02	-8.61E-03	-1.30E-02	-7.89E+00
80	369255	757998	Residential	1.73E+00	1.59E+00	-2.46E-01	5.67E+00	1.15E+00	-2.12E-01	4.81E-01	1.48E-01	-1.88E+00	-1.70E+00	-2.54E-03	-1.90E-01	-1.27E-02	-1.52E-02	-9.75E-03	-1.47E-02	-8.94E+00
81	369310	757931	Residential	1.21E+00	1.40E+00	-1.09E+00	4.25E+00	9.90E-01	-2.50E-01	4.25E-01	9.58E-02	-3.06E+00	-2.78E+00	-2.85E-03	-2.13E-01	-1.43E-02	-1.71E-02	-1.09E-02	-1.65E-02	-1.00E+01
82	369356	757981	Residential	1.31E+00	1.40E+00	-1.68E+00	4.40E+00	9.72E-01	-2.30E-01	4.24E-01	7.25E-02	-3.95E+00	-3.64E+00	-2.77E-03	-2.06E-01	-1.39E-02	-1.66E-02	-1.06E-02	-1.60E-02	-9.75E+00
83	369403	758031	Residential	1.97E+00	1.69E+00	-1.92E-01	6.30E+00	1.22E+00	-2.00E-01	5.10E-01	1.60E-01	-1.86E+00	-1.70E+00	-2.18E-03	-1.60E-01	-1.08E-02	-1.31E-02	-8.35E-03	-1.26E-02	-7.66E+00
92	369389	758634	Residential	1.34E+00	1.31E+00	-5.43E-01	4.46E+00	9.34E-01	-1.90E-01	3.95E-01	1.08E-01	-2.08E+00	-1.89E+00	-1.21E-03	-9.12E-02	-5.91E-03	-7.24E-03	-4.64E-03	-6.99E-03	-4.26E+00
93	369469	758630	Residential	1.36E+00	1.30E+00	-8.27E-01	4.45E+00	9.23E-01	-1.86E-01	3.93E-01	9.65E-02	-2.51E+00	-2.30E+00	-1.36E-03	-1.02E-01	-6.71E-03	-8.13E-03	-5.21E-03	-7.86E-03	-4.78E+00
94	369549	758625	Residential	1.84E+00	1.54E+00	-5.06E-01	5.80E+00	1.10E+00	-1.73E-01	4.64E-01	1.33E-01	-2.21E+00	-2.04E+00	-1.47E-03	-1.10E-01	-7.31E-03	-8.82E-03	-5.65E-03	-8.52E-03	-5.18E+00
95	369630	758621	Residential	2.45E+00	1.86E+00	6.44E-01	7.62E+00	1.37E+00	-1.62E-01	5.59E-01	2.10E-01	-6.98E-01	-6.25E-01	-1.20E-03	-8.96E-02	-5.90E-03	-7.23E-03	-4.63E-03	-6.99E-03	-4.24E+00
96	369710	758617	Residential	2.55E+00	1.90E+00	9.55E-01	7.91E+00	1.40E+00	-1.55E-01	5.70E-01	2.26E-01	-2.38E-01	-1.97E-01	-1.25E-03	-9.00E-02	-6.09E-03	-7.48E-03	-4.77E-03	-7.23E-03	-4.37E+00
97	369791	758613	Residential	2.19E+00	1.72E+00	-1.86E-02	6.82E+00	1.24E+00	-1.63E-01	5.16E-01	1.70E-01	-1.56E+00	-1.45E+00	-1.48E-03	-1.03E-01	-7.25E-03	-8.86E-03	-5.62E-03	-8.56E-03	-5.15E+00
98	369791	758514	Residential	2.33E+00	1.79E+00	2.72E-01	7.22E+00	1.30E+00	-1.60E-01	5.37E-01	1.88E-01	-1.19E+00	-1.10E+00	-1.55E-03	-1.09E-01	-7.62E-03	-9.32E-03	-5.92E-03	-9.01E-03	-5.43E+00
99	369791	758416	Residential	2.42E+00	1.83E+00	5.50E-01	7.51E+00	1.34E+00	-1.57E-01	5.50E-01	2.03E-01	-8.11E-01	-7.37E-01	-1.68E-03	-1.19E-01	-8.28E-03	-1.01E-02	-6.42E-03	-9.76E-03	-5.89E+00
100	369791	758318	Residential	2.47E+00	1.86E+00	7.67E-01	7.68E+00	1.37E+00	-1.57E-01	5.59E-01	2.15E-01	-4.96E-01	-4.39E-01	-1.97E-03	-1.41E-01	-9.77E-03	-1.18E-02	-7.52E-03	-1.14E-02	-6.90E+00
101	369881	758318	Residential	2.07E+00	1.64E+00	4.34E-01	6.51E+00	1.20E+00	-1.59E-01	4.93E-01	1.79E-01	-8.36E-01	-7.46E-01	-1.59E-03	-1.14E-01	-7.83E-03	-9.53E-03	-6.07E-03	-9.21E-03	-5.57E+00
102	369972	758318	Residential	1.67E+00	1.46E+00	2.21E-01	5.42E+00	1.07E+00	-1.79E-01	4.41E-01	1.54E-01	-1.02E+00	-9.02E-01	-1.69E-03	-1.25E-01	-8.49E-03	-1.02E-02	-6.50E-03	-9.83E-03	-5.96E+00
103	370062	758318	Residential	1.03E+00	1.20E+00	-1.10E+00	3.62E+00	8.43E-01	-2.15E-01	3.64E-01	7.59E-02	-2.85E+00	-2.60E+00	-1.57E-03	-1.14E-01	-7.82E-03	-9.42E-03	-6.01E-03	-9.11E-03	-5.51E+00
104	370153	758318	Residential	1.09E+00	1.26E+00	-1.54E+00	3.78E+00	8.78E-01	-2.26E-01	3.83E-01	6.48E-02	-3.60E+00	-3.31E+00	-1.56E-03	-1.14E-01	-7.75E-03	-9.34E-03	-5.97E-03	-9.03E-03	-5.47E+00
105	370243	758318	Residential	1.39E+00	1.50E+00	-6.73E-01	4.82E+00	1.07E+00	-2.48E-01	4.55E-01	1.23E-01	-2.46E+00	-2.23E+00	-2.21E-03	-1.61E-01	-1.11E-02	-1.33E-02	-8.47E-03	-1.28E-02	-7.77E+00
111	370408	758347	Residential	1.99E+00	1.80E+00	-2.58E-01	6.48E+00	1.30E+00	-2.34E-01	5.43E-01	1.68E-01	-2.08E+00	-1.88E+00	-2.26E-03	-1.66E-01	-1.13E-02	-1.36E-02	-8.66E-03	-1.31E-02	-7.95E+00
112	370490	758344	Residential	1.72E+00	1.66E+00	-7.15E-01	5.70E+00	1.19E+00	-2.38E-01	5.02E-01	1.37E-01	-2.68E+00	-2.44E+00	-1.86E-03	-1.41E-01	-9.26E-03	-1.11E-02	-7.15E-03	-1.08E-02	-6.56E+00
113	370572	758341	Residential	1.90E+00	1.79E+00	-8.84E-01	6.22E+00	1.27E+00	-2.48E-01	5.40E-01	1.43E-01	-3.04E+00	-2.79E+00	-2.31E-03	-1.70E-01	-1.16E-02	-1.38E-02	-8.84E-03	-1.34E-02	-8.11E+00
114	370654	758338	Residential	9.07E-01	1.36E+00	-1.81E+00	3.49E+00	9.40E-01	-2.96E-01	4.13E-01	6.35E-02	-4.14E+00	-3.77E+00	-2.67E-03	-1.99E-01	-1.35E-02	-1.60E-02	-1.03E-02	-1.55E-02	-9.42E+00
115	370735	758335	Residential	1.13E+00	1.37E+00	-3.42E-01	4.12E+00	9.91E-01	-2.55E-01	4.18E-01	1.23E-01	-1.92E+00	-1.67E+00	-1.98E-03	-1.44E-01	-9.84E-03	-1.19E-02	-7.58E-03	-1.15E-02	-6.95E+00
116	370817	758333	Residential	1.47E+00	1.54E+00	-2.38E-01	5.06E+00	1.11E+00	-2.47E-01	4.67E-01	1.44E-01	-1.86E+00	-1.64E+00	-1.48E-03	-1.07E-01	-7.23E-03	-8.87E-03	-5.66E-03	-8.57E-03	-5.19E+00
130	371183	758027	Residential	1.84E+00	1.67E+00	-3.10E-01	6.00E+00	1.21E+00	-2.19E-01	5.06E-01	1.54E-01	-2.09E+00	-1.88E+00	-1.90E-03	-1.33E-01	-9.32E-03	-1.14E-02	-7.25E-03	-1.10E-02	-6.65E+00
131	371248	758024	Residential	2.19E+00	2.00E+00	-3.85E-01	7.16E+00	1.44E+00	-2.61E-01	6.03E-01	1.83E-01	-2.46E+00	-2.23E+00	-1.65E-03	-1.08E-01	-7.94E-03	-9.91E-03	-6.24E-03	-9.58E-03	-5.73E+00
132	371326	758075	Residential	2.19E+00	1.95E+00	-3.39E-01	7.10E+00	1.41E+00	-2.46E-01	5.89E-01	1.80E-01	-2.36E+00	-2.14E+00	-1.45E-03	-9.03E-02	-6.88E-03	-8.68E-03	-5.43E-03	-8.40E-03	-4.99E+00
133	371404	758127	Residential	2.18E+00	1.86E+00	-2.49E-01	6.96E+00	1.34E+00	-2.16E-01	5.62E-01	1.75E-01	-2.15E+00	-1.96E+00	-1.27E-03	-7.64E-02	-5.99E-03	-7.62E-03	-4.75E-03	-7.37E-03	-4.36E+00

Table 3-5A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Minimum Range Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
134	371481	758178	Residential	2.20E+00	1.82E+00	-1.38E-01	6.96E+00	1.32E+00	-1.99E-01	5.50E-01	1.75E-01	-1.95E+00	-1.77E+00	-1.15E-03	-6.98E-02	-5.42E-03	-6.90E-03	-4.31E-03	-6.67E-03	-3.95E+00
135	371559	758230	Residential	2.20E+00	1.84E+00	5.76E-02	6.99E+00	1.34E+00	-2.07E-01	5.56E-01	1.85E-01	-1.65E+00	-1.49E+00	-1.01E-03	-6.64E-02	-4.74E-03	-6.03E-03	-3.80E-03	-5.83E-03	-3.49E+00
136	371637	758281	Residential	2.15E+00	1.77E+00	1.20E-01	6.80E+00	1.29E+00	-1.90E-01	5.33E-01	1.80E-01	-1.49E+00	-1.34E+00	-9.07E-04	-6.24E-02	-4.27E-03	-5.44E-03	-3.45E-03	-5.26E-03	-3.16E+00
137	371715	758333	Residential	2.01E+00	1.72E+00	1.90E-01	6.47E+00	1.26E+00	-2.02E-01	5.20E-01	1.78E-01	-1.34E+00	-1.19E+00	-8.83E-04	-6.46E-02	-4.20E-03	-5.30E-03	-3.38E-03	-5.12E-03	-3.10E+00
138	371769	758261	Residential	2.77E+00	2.24E+00	1.13E+00	8.83E+00	1.65E+00	-2.31E-01	6.73E-01	2.67E-01	-2.84E-01	-2.03E-01	-1.05E-03	-8.55E-02	-5.05E-03	-6.27E-03	-4.07E-03	-6.06E-03	-3.73E+00
139	371822	758189	Residential	3.16E+00	2.56E+00	2.24E+00	1.02E+01	1.91E+00	-2.63E-01	7.68E-01	3.43E-01	1.21E+00	1.21E+00	-1.19E-03	-9.67E-02	-5.70E-03	-7.15E-03	-4.63E-03	-6.91E-03	-4.25E+00
140	371894	758160	Residential	1.63E+00	2.26E+00	1.36E+00	6.58E+00	1.69E+00	-4.68E-01	6.86E-01	2.80E-01	3.59E-02	2.48E-01	-1.63E-03	-1.41E-01	-8.09E-03	-9.80E-03	-6.41E-03	-9.47E-03	-5.87E+00
141	371894	758081	Residential	1.03E+00	2.13E+00	4.28E-01	5.07E+00	1.57E+00	-5.44E-01	6.50E-01	2.31E-01	-1.32E+00	-9.85E-01	-1.77E-03	-1.71E-01	-8.98E-03	-1.06E-02	-7.08E-03	-1.03E-02	-6.49E+00
142	371959	758074	Residential	1.27E+00	2.03E+00	4.25E-02	5.37E+00	1.49E+00	-4.61E-01	6.18E-01	2.05E-01	-1.84E+00	-1.52E+00	-1.60E-03	-1.63E-01	-8.17E-03	-9.58E-03	-6.44E-03	-9.26E-03	-5.91E+00
155	372055	757363	Residential	5.89E-01	1.45E+00	-4.03E-01	3.10E+00	1.05E+00	-3.93E-01	4.44E-01	1.29E-01	-2.11E+00	-1.77E+00	-8.47E-04	-8.47E-02	-4.19E-03	-5.08E-03	-3.41E-03	-4.91E-03	-3.12E+00
297	370239	755427	Residential	2.30E+00	1.81E+00	1.83E+00	7.35E+00	1.36E+00	-1.75E-01	5.45E-01	2.52E-01	1.15E+00	1.15E+00	-3.55E-03	-2.52E-01	-1.74E-02	-2.13E-02	-1.35E-02	-2.06E-02	-1.24E+01
298	370138	755427	Residential	4.68E+00	3.01E+00	2.50E+00	1.40E+01	2.24E+00	-1.15E-01	8.97E-01	3.97E-01	1.31E+00	1.17E+00	-4.61E-03	-3.23E-01	-2.29E-02	-2.77E-02	-1.76E-02	-2.67E-02	-1.61E+01
299	370040	755427	Residential	5.88E+00	3.97E+00	-2.09E+00	1.73E+01	2.80E+00	-2.13E-01	1.18E+00	3.11E-01	-6.56E+00	-6.34E+00	-6.19E-03	-4.35E-01	-3.10E-02	-3.71E-02	-2.36E-02	-3.59E-02	-2.16E+01
300	369941	755426	Residential	5.54E+00	3.58E+00	9.25E-01	1.64E+01	2.60E+00	-1.43E-01	1.07E+00	3.91E-01	-1.58E+00	-1.61E+00	-2.55E-03	-1.78E-01	-1.24E-02	-1.53E-02	-9.72E-03	-1.48E-02	-8.91E+00
301	369842	755426	Residential	1.40E+00	1.52E+00	-2.06E+00	4.71E+00	1.05E+00	-2.56E-01	4.61E-01	7.01E-02	-4.61E+00	-4.28E+00	-1.70E-03	-1.27E-01	-8.19E-03	-1.02E-02	-6.54E-03	-9.88E-03	-6.00E+00
304	369544	755434	Residential	2.88E+00	2.37E+00	-4.55E-01	9.08E+00	1.70E+00	-2.55E-01	7.13E-01	2.17E-01	-2.83E+00	-2.63E+00	-1.03E-03	-7.86E-02	-4.92E-03	-6.21E-03	-3.98E-03	-6.00E-03	-3.65E+00
305	369445	755434	Residential	2.67E+00	2.22E+00	-1.09E+00	8.38E+00	1.58E+00	-2.43E-01	6.67E-01	1.77E-01	-3.71E+00	-3.46E+00	-1.19E-03	-9.26E-02	-5.80E-03	-7.17E-03	-4.61E-03	-6.93E-03	-4.23E+00
306	369346	755434	Residential	3.51E+00	2.86E+00	-1.47E+00	1.09E+01	2.03E+00	-3.01E-01	8.60E-01	2.26E-01	-4.86E+00	-4.54E+00	-1.47E-03	-1.15E-01	-7.29E-03	-8.83E-03	-5.69E-03	-8.54E-03	-5.22E+00
310	368953	755441	Residential	2.25E+00	2.10E+00	-4.33E-01	7.40E+00	1.51E+00	-2.85E-01	6.33E-01	1.91E-01	-2.64E+00	-2.39E+00	-1.33E-03	-1.04E-01	-6.52E-03	-7.97E-03	-5.13E-03	-7.70E-03	-4.71E+00
311	368854	755441	Residential	3.10E+00	2.45E+00	7.95E-01	9.78E+00	1.80E+00	-2.38E-01	7.37E-01	2.75E-01	-9.95E-01	-8.83E-01	-1.70E-03	-1.32E-01	-8.50E-03	-1.02E-02	-6.58E-03	-9.87E-03	-6.03E+00
312	368755	755441	Residential	3.59E+00	2.62E+00	2.02E+00	1.11E+01	1.95E+00	-1.98E-01	7.85E-01	3.40E-01	8.03E-01	7.84E-01	-1.59E-03	-1.25E-01	-7.88E-03	-9.56E-03	-6.16E-03	-9.24E-03	-5.65E+00
313	368657	755441	Residential	3.29E+00	2.45E+00	1.93E+00	1.03E+01	1.83E+00	-1.99E-01	7.35E-01	3.19E-01	8.09E-01	8.01E-01	-1.50E-03	-1.16E-01	-7.37E-03	-8.97E-03	-5.78E-03	-8.67E-03	-5.30E+00
314	368558	755440	Residential	2.92E+00	2.24E+00	4.86E-01	9.09E+00	1.63E+00	-2.00E-01	6.72E-01	2.41E-01	-1.24E+00	-1.15E+00	-1.51E-03	-1.19E-01	-7.51E-03	-9.06E-03	-5.85E-03	-8.76E-03	-5.36E+00
315	368459	755440	Residential	2.25E+00	1.92E+00	-1.12E+00	7.11E+00	1.36E+00	-2.21E-01	5.76E-01	1.46E-01	-3.45E+00	-3.22E+00	-1.67E-03	-1.32E-01	-8.37E-03	-1.00E-02	-6.47E-03	-9.69E-03	-5.93E+00
316	368360	755440	Residential	2.44E+00	1.97E+00	-7.23E-01	7.61E+00	1.41E+00	-2.04E-01	5.93E-01	1.67E-01	-2.88E+00	-2.69E+00	-1.70E-03	-1.32E-01	-8.51E-03	-1.02E-02	-6.56E-03	-9.84E-03	-6.01E+00
317	368262	755439	Residential	2.72E+00	2.13E+00	3.54E-01	8.52E+00	1.55E+00	-2.01E-01	6.40E-01	2.25E-01	-1.35E+00	-1.25E+00	-1.46E-03	-1.15E-01	-7.27E-03	-8.75E-03	-5.65E-03	-8.46E-03	-5.18E+00
318	368186	755427	Residential	2.98E+00	2.25E+00	8.29E-01	9.27E+00	1.65E+00	-1.91E-01	6.75E-01	2.56E-01	-7.13E-01	-6.51E-01	-1.25E-03	-1.00E-01	-6.22E-03	-7.52E-03	-4.86E-03	-7.27E-03	-4.46E+00
319	368111	755414	Residential	3.29E+00	2.38E+00	1.26E+00	1.01E+01	1.76E+00	-1.76E-01	7.14E-01	2.86E-01	-1.41E-01	-1.26E-01	-1.08E-03	-8.69E-02	-5.32E-03	-6.48E-03	-4.19E-03	-6.26E-03	-3.85E+00
46	367504	757948	School	2.31E+00	1.74E+00	8.32E-01	7.18E+00	1.28E+00	-1.46E-01	5.21E-01	2.05E-01	-2.78E-01	-2.36E-01	-7.84E-04	-6.25E-02	-3.81E-03	-4.71E-03	-3.04E-03	-4.55E-03	-2.79E+00
47	367544	757873	School	2.45E+00	1.83E+00	1.04E+00	7.60E+00	1.35E+00	-1.50E-01	5.49E-01	2.22E-01	-5.60E-02	-1.91E-02	-8.63E-04	-6.86E-02	-4.24E-03	-5.18E-03	-3.35E-03	-5.01E-03	-3.07E+00
48	367587	757909	School	2.43E+00	1.82E+00	8.43E-01	7.53E+00	1.34E+00	-1.52E-01	5.46E-01	2.14E-01	-3.31E-01	-2.87E-01	-8.44E-04	-6.72E-02	-4.12E-03	-5.07E-03	-3.27E-03	-4.90E-03	-3.00E+00
49	367623	757866	School	2.53E+00	1.89E+00	9.14E-01	7.85E+00	1.40E+00	-1.57E-01	5.69E-01	2.24E-01	-2.98E-01	-2.51E-01	-8.91E-04	-7.10E-02	-4.37E-03	-5.35E-03	-3.45E-03	-5.17E-03	-3.17E+00
50	367694	757866	School	2.56E+00	1.93E+00	8.23E-01	7.96E+00	1.42E+00	-1.61E-01	5.78E-01	2.23E-01	-4.55E-01	-4.04E-01	-9.11E-04	-7.25E-02	-4.46E-03	-5.47E-03	-3.53E-03	-5.28E-03	-3.24E+00
51	367716	757927	School	1.76E+00	1.52E+00	6.86E-02	5.66E+00	1.11E+00	-1.82E-01	4.59E-01	1.54E-01	-1.33E+00	-1.19E+00	-1.01E-03	-7.96E-02	-4.96E-03	-6.07E-03	-3.92E-03	-5.87E-03	-3.59E+00
52	367737	757988	School	6.96E-01	9.50E-01	-5.52E-01	2.62E+00	6.80E-01	-1.95E-01	2.91E-01	7.23E-02	-1.87E+00	-1.64E+00	-1.22E-03	-9.51E-02	-6.04E-03	-7.30E-03	-4.70E-03	-7.06E-03	-4.31E+00
53	367727	758067	School	-2.52E-01	4.15E-01	-1.13E+00	-1.19E-01	2.79E-01	-1.98E-01	1.32E-01	-3.56E-03	-2.33E+00	-2.05E+00	-1.33E-03	-1.04E-01	-6.67E-03	-7.99E-03	-5.14E-03	-7.72E-03	-4.72E+00
54	367716	758146	School	1.13E-01	6.07E-01	-9.47E-01	9.15E-01	4.22E-01	-1.92E-01	1.89E-01	2.26E-02	-2.20E+00	-1.94E+00	-1.28E-03	-9.85E-02	-6.41E-03	-7.65E-03	-4.92E-03	-7.40E-03	-4.51E+00
56	367723	758254	School	7.17E-01	9.94E-01	-3.50E-01	2.76E+00	7.16E-01	-2.06E-01	3.03E-01	8.48E-02	-1.56E+00	-1.36E+00	-1.17E-03	-9.20E-02	-5.90E-03	-7.00E-03	-4.52E-03	-6.77E-03	-4.14E+00
57	367784	758221	School	6.88E-01	9.97E-01	-4.30E-01	2.69E+00	7.17E-01	-2.13E-01	3.04E-01	8.20E-02	-1.69E+00	-1.48E+00	-1.19E-03	-9.44E-02	-6.04E-03	-7.16E-03	-4.62E-03	-6.92E-03	-4.24E+00
58	367845	758189	School	6.72E-01	1.01E+00	-5.16E-01	2.67E+00	7.23E-01	-2.21E-01	3.08E-01	7.98E-02	-1.84E+00	-1.61E+00	-1.21E-03	-9.65E-02	-6.15E-03	-7.29E-03	-4.71E-03	-7.05E-03	-4.32E+00
106	370247	758254	School	1.43E+00	1.56E+00	-7.77E-01	4.96E+00	1.11E+00	-2.61E-01	4.72E-01	1.24E-01	-2.68E+00	-2.43E+00	-2.29E-03	-1.66E-01	-1.15E-02	-1.37E-02	-8.75E-03	-1.33E-02	-8.03E+00
107	370250	758189	School	1.48E+00	1.62E+00	-9.23E-01	5.12E+00	1.16E+00	-2.74E-01	4.91E-01	1.25E-01	-2.98E+00	-2.70E+00	-2.33E-03	-1.70E-01	-1.17E-02	-1.40E-02	-8.92E-03	-1.35E-02	-8.18E+00
108	370308	758196	School	1.83E+00	1.80E+00	-5.00E-01	6.13E+00	1.29E+00	-2.66E-01	5.44E-01	1.59E-01	-2.46E+00	-2.22E+00	-2.00E-03	-1.46E-01	-1.00E-02	-1.20E-02	-7.68E-03	-1.16E-02	-7.04E+00
109	370361	758236	School	1.78E+00	1.74E+00	-6.10E-01	5.94E+00	1.25E+00	-2.56E-01	5.28E-01	1.49E-01	-2.61E+00	-2.36E+00	-2.11E-03	-1.53E-01	-1.06E-02	-1.27E-02	-8.08E-03	-1.22E-02	-7.41E+00
110	370415	758275	School	2.04E+00	1.87E+00	-2.67E-01	6.67E+00	1.35E+00	-2.48E-01	5.64E-01	1.75E-01	-2.17E+00	-1.96E+00	-2.39E-03	-1.74E-01	-1.19E-02	-1.43E-02	-9.14E-03	-1.38E-02	-8.39E+00
302	369741	755435	School	2.11E+00	1.90E+00	-2.13E+00	6.68E+00	1.32E+00	-2.45E-01	5.72E-01	1.04E-01	-5.04E+00	-4.71E+00	-2.12E-03	-1.53E-01	-1.04E-02	-1.27E-02	-8.12E-03	-1.23E-02	-7.45E+00
303	369643	755434	School	1.87E+00	1.80E+00	-1.79E+00	6.08E+00	1.26E+00	-2.58E-01	5.45E-01	1.08E-01	-4.49E+00	-4.16E+00	-1.86E-03	-1.35E-01	-9.09E-03	-1.12E-02	-7.12E-03	-1.08E-02	-6.53E+00

Note: Shaded cells indicate locations where concentrations were highest within each land use category.

Table 3-5B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Minimum Range
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m³)	acetaldehyde Acute Hazard	acrolein (µg/m³)	acrolein Acute Hazard	benzene (µg/m³)	benzene Acute Hazard	formaldehyde (µg/m³)	formaldehyde Acute Hazard	methyl alcohol (µg/m³)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m³)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m³)	phenol (carbolic acid) Acute Hazard	styrene (µg/m³)	styrene Acute Hazard	toluene (µg/m³)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
117	370814	758243	Offsite Worker	1.62E+00	3.44E-03	1.65E+00	6.59E-01	-2.67E-01	-2.05E-04	5.51E+00	1.00E-01	1.19E+00	4.25E-05	-2.55E-01	-1.96E-05	4.99E-01	8.60E-05	1.53E-01	7.29E-06	-1.99E+00	-5.37E-05
118	370810	758153	Offsite Worker	1.85E+00	3.94E-03	1.80E+00	7.19E-01	-1.65E-01	-1.27E-04	6.21E+00	1.13E-01	1.30E+00	4.65E-05	-2.61E-01	-2.00E-05	5.43E-01	9.37E-05	1.72E-01	8.19E-06	-1.95E+00	-5.27E-05
119	370807	758063	Offsite Worker	2.25E+00	4.79E-03	2.03E+00	8.11E-01	1.44E-01	1.11E-04	7.37E+00	1.34E-01	1.47E+00	5.27E-05	-2.61E-01	-2.01E-05	6.11E-01	1.05E-04	2.07E-01	9.86E-06	-1.65E+00	-4.46E-05
120	370803	757974	Offsite Worker	2.92E+00	6.20E-03	2.41E+00	9.62E-01	7.05E-01	5.43E-04	9.32E+00	1.69E-01	1.76E+00	6.29E-05	-2.60E-01	-2.00E-05	7.24E-01	1.25E-04	2.67E-01	1.27E-05	-1.09E+00	-2.94E-05
121	370835	757927	Offsite Worker	3.24E+00	6.89E-03	2.53E+00	1.01E+00	7.20E-01	5.54E-04	1.01E+01	1.84E-01	1.85E+00	6.61E-05	-2.38E-01	-1.83E-05	7.59E-01	1.31E-04	2.79E-01	1.33E-05	-1.17E+00	-3.15E-05
122	370868	757880	Offsite Worker	2.21E+00	4.70E-03	2.06E+00	8.24E-01	-1.44E+00	-1.11E-03	7.17E+00	1.30E-01	1.46E+00	5.20E-05	-2.82E-01	-2.17E-05	6.21E-01	1.07E-04	1.48E-01	7.03E-06	-4.12E+00	-1.11E-04
123	370921	757884	Offsite Worker	1.51E+00	3.21E-03	1.64E+00	6.56E-01	-1.98E+00	-1.53E-03	5.08E+00	9.24E-02	1.14E+00	4.07E-05	-2.75E-01	-2.12E-05	4.98E-01	8.58E-05	8.44E-02	4.02E-06	-4.68E+00	-1.26E-04
124	370975	757887	Offsite Worker	2.73E+00	5.82E-03	2.33E+00	9.33E-01	-2.01E-01	-1.54E-04	8.75E+00	1.59E-01	1.69E+00	6.02E-05	-2.71E-01	-2.08E-05	7.02E-01	1.21E-04	2.24E-01	1.06E-05	-2.45E+00	-6.61E-05
125	370975	757794	Offsite Worker	3.80E+00	8.09E-03	3.03E+00	1.21E+00	1.05E+00	8.05E-04	1.20E+01	2.19E-01	2.22E+00	7.92E-05	-2.99E-01	-2.30E-05	9.08E-01	1.57E-04	3.42E-01	1.63E-05	-1.08E+00	-2.93E-05
126	371026	757794	Offsite Worker	3.94E+00	8.39E-03	3.10E+00	1.24E+00	1.16E+00	8.92E-04	1.24E+01	2.26E-01	2.28E+00	8.13E-05	-2.97E-01	-2.28E-05	9.31E-01	1.60E-04	3.53E-01	1.68E-05	-9.80E-01	-2.65E-05
127	371076	757877	Offsite Worker	2.75E+00	5.84E-03	2.42E+00	9.70E-01	-3.54E-03	-2.73E-06	8.91E+00	1.62E-01	1.76E+00	6.28E-05	-3.01E-01	-2.31E-05	7.31E-01	1.26E-04	2.41E-01	1.15E-05	-2.24E+00	-6.05E-05
128	371126	757959	Offsite Worker	2.11E+00	4.49E-03	1.97E+00	7.88E-01	-3.30E-01	-2.54E-04	6.95E+00	1.26E-01	1.42E+00	5.08E-05	-2.70E-01	-2.08E-05	5.95E-01	1.03E-04	1.83E-01	8.69E-06	-2.37E+00	-6.40E-05
129	371119	758031	Offsite Worker	1.69E+00	3.60E-03	1.67E+00	6.69E-01	4.27E-01	3.29E-04	5.77E+00	1.05E-01	1.23E+00	4.39E-05	-2.48E-01	-1.91E-05	5.06E-01	8.73E-05	1.83E-01	8.72E-06	-9.27E-01	-2.51E-05
143	371953	757977	Offsite Worker	3.23E-01	6.87E-04	1.69E+00	6.77E-01	-1.58E+00	-1.22E-03	2.79E+00	5.07E-02	1.20E+00	4.28E-05	-5.32E-01	-4.09E-05	5.18E-01	8.93E-05	1.07E-01	5.11E-06	-4.10E+00	-1.11E-04
144	371948	757880	Offsite Worker	1.42E+00	3.03E-03	1.84E+00	7.36E-01	-6.59E-01	-5.07E-04	5.33E+00	9.69E-02	1.32E+00	4.73E-05	-3.62E-01	-2.79E-05	5.59E-01	9.64E-05	1.57E-01	7.49E-06	-2.79E+00	-7.55E-05
145	371943	757783	Offsite Worker	2.19E+00	4.67E-03	2.37E+00	9.47E-01	2.25E-01	1.73E-04	7.75E+00	1.41E-01	1.73E+00	6.16E-05	-3.91E-01	-3.01E-05	7.14E-01	1.23E-04	2.45E-01	1.17E-05	-1.79E+00	-4.83E-05
146	372016	757794	Offsite Worker	2.48E+00	5.27E-03	2.31E+00	9.24E-01	4.48E-01	3.45E-04	8.27E+00	1.50E-01	1.69E+00	6.03E-05	-3.14E-01	-2.41E-05	6.96E-01	1.20E-04	2.48E-01	1.18E-05	-1.39E+00	-3.74E-05
147	372102	757791	Offsite Worker	2.69E+00	5.72E-03	2.26E+00	9.04E-01	6.78E-01	5.21E-04	8.65E+00	1.57E-01	1.66E+00	5.91E-05	-2.54E-01	-1.95E-05	6.79E-01	1.17E-04	2.51E-01	1.20E-05	-9.78E-01	-2.64E-05
148	372178	757760	Offsite Worker	2.55E+00	5.43E-03	2.13E+00	8.51E-01	1.56E+00	1.20E-03	8.29E+00	1.51E-01	1.58E+00	5.66E-05	-2.34E-01	-1.80E-05	6.39E-01	1.10E-04	2.73E-01	1.30E-05	5.01E-01	1.35E-05
149	372177	757670	Offsite Worker	2.35E+00	5.01E-03	1.97E+00	7.87E-01	1.70E+00	1.31E-03	7.67E+00	1.39E-01	1.47E+00	5.26E-05	-2.18E-01	-1.68E-05	5.92E-01	1.02E-04	2.62E-01	1.25E-05	8.27E-01	2.24E-05
150	372176	757579	Offsite Worker	1.01E+00	2.15E-03	1.43E+00	5.74E-01	9.43E-02	7.25E-05	4.01E+00	7.29E-02	1.05E+00	3.75E-05	-3.02E-01	-2.32E-05	4.37E-01	7.53E-05	1.47E-01	6.98E-06	-1.27E+00	-3.43E-05
151	372174	757489	Offsite Worker	6.82E-01	1.45E-03	1.35E+00	5.38E-01	-2.35E-01	-1.81E-04	3.18E+00	5.78E-02	9.78E-01	3.49E-05	-3.37E-01	-2.59E-05	4.11E-01	7.09E-05	1.25E-01	5.95E-06	-1.71E+00	-4.63E-05
152	372173	757398	Offsite Worker	4.82E-01	1.03E-03	1.19E+00	4.77E-01	-5.75E-01	-4.42E-04	2.51E+00	4.57E-02	8.60E-01	3.07E-05	-3.24E-01	-2.49E-05	3.66E-01	6.32E-05	9.62E-02	4.58E-06	-2.15E+00	-5.81E-05
153	372171	757308	Offsite Worker	1.19E+00	2.52E-03	1.37E+00	5.49E-01	3.79E-01	2.91E-04	4.30E+00	7.81E-02	1.01E+00	3.62E-05	-2.45E-01	-1.89E-05	4.18E-01	7.21E-05	1.51E-01	7.20E-06	-8.22E-01	-2.22E-05
154	372055	757309	Offsite Worker	1.37E+00	2.91E-03	1.71E+00	6.83E-01	3.15E-01	2.42E-04	5.11E+00	9.30E-02	1.25E+00	4.48E-05	-3.27E-01	-2.51E-05	5.20E-01	8.96E-05	1.82E-01	8.67E-06	-1.23E+00	-3.33E-05
156	372055	757416	Offsite Worker	3.49E-01	7.42E-04	1.38E+00	5.51E-01	-6.00E-01	-4.62E-04	2.50E+00	4.55E-02	9.94E-01	3.55E-05	-4.16E-01	-3.20E-05	4.22E-01	7.28E-05	1.14E-01	5.43E-06	-2.32E+00	-6.28E-05
157	371952	757442	Offsite Worker	6.66E-01	1.42E-03	1.51E+00	6.03E-01	-5.77E-01	-4.44E-04	3.32E+00	6.04E-02	1.09E+00	3.89E-05	-3.98E-01	-3.06E-05	4.61E-01	7.95E-05	1.28E-01	6.08E-06	-2.42E+00	-6.55E-05
158	371950	757345	Offsite Worker	1.60E-01	3.41E-04	1.61E+00	6.44E-01	-6.11E-01	-4.70E-04	2.43E+00	4.42E-02	1.17E+00	4.16E-05	-5.35E-01	-4.12E-05	4.95E-01	8.53E-05	1.37E-01	6.54E-06	-2.57E+00	-6.93E-05
159	371864	757344	Offsite Worker	-5.11E-01	-1.09E-03	1.47E+00	5.89E-01	-1.11E+00	-8.55E-04	8.21E-01	1.49E-02	1.06E+00	3.78E-05	-6.23E-01	-4.79E-05	4.56E-01	7.86E-05	1.05E-01	4.98E-06	-3.24E+00	-8.75E-05
160	371790	757347	Offsite Worker	-4.17E-01	-8.86E-04	1.47E+00	5.87E-01	-1.52E+00	-1.17E-03	9.59E-01	1.74E-02	1.04E+00	3.72E-05	-6.02E-01	-4.63E-05	4.54E-01	7.83E-05	8.79E-02	4.18E-06	-3.87E+00	-1.05E-04
161	371708	757356	Offsite Worker	5.27E-01	1.12E-03	1.72E+00	6.90E-01	-1.34E+00	-1.03E-03	3.25E+00	5.91E-02	1.23E+00	4.39E-05	-5.03E-01	-3.87E-05	5.29E-01	9.12E-05	1.19E-01	5.69E-06	-3.83E+00	-1.04E-04
162	371615	757356	Offsite Worker	1.14E+00	2.42E-03	1.91E+00	7.65E-01	-1.39E+00	-1.07E-03	4.74E+00	8.62E-02	1.36E+00	4.86E-05	-4.46E-01	-3.43E-05	5.84E-01	1.01E-04	1.35E-01	6.44E-06	-4.09E+00	-1.11E-04
163	371523	757356	Offsite Worker	1.35E+00	2.86E-03	2.07E+00	8.28E-01	-1.60E+00	-1.23E-03	5.36E+00	9.74E-02	1.47E+00	5.25E-05	-4.60E-01	-3.54E-05	6.32E-01	1.09E-04	1.43E-01	6.79E-06	-4.58E+00	-1.24E-04
164	371430	757356	Offsite Worker	1.60E+00	3.41E-03	2.34E+00	9.36E-01	-1.79E+00	-1.38E-03	6.23E+00	1.13E-01	1.66E+00	5.93E-05	-5.02E-01	-3.86E-05	7.13E-01	1.23E-04	1.62E-01	7.72E-06	-5.11E+00	-1.38E-04
165	371338	757356	Offsite Worker	2.00E+00	4.25E-03	2.63E+00	1.05E+00	-2.00E+00	-1.54E-03	7.42E+00	1.35E-01	1.86E+00	6.66E-05	-5.26E-01	-4.05E-05	8.00E-01	1.38E-04	1.83E-01	8.71E-06	-5.68E+00	-1.53E-04
166	371245	757356	Offsite Worker	2.24E+00	4.76E-03	2.92E+00	1.17E+00	-2.07E+00	-1.59E-03	8.31E+00	1.51E-01	2.07E+00	7.39E-05	-5.78E-01	-4.45E-05	8.86E-01	1.53E-04	2.09E-01	9.94E-06	-6.00E+00	-1.62E-04
167	371153	757356	Offsite Worker	2.38E+00	5.06E-03	3.09E+00	1.24E+00	-2.02E+00	-1.56E-03	8.84E+00	1.61E-01	2.20E+00	7.85E-05	-6.11E-01	-4.70E-05	9.39E-01	1.62E-04	2.28E-01	1.09E-05	-6.10E+00	-1.65E-04
168	371061	757356	Offsite Worker	2.14E+00	4.55E-03	3.11E+00	1.24E+00	-1.93E+00	-1.48E-03	8.37E+00	1.52E-01	2.21E+00	7.90E-05	-6.64E-01	-5.11E-05	9.45E-01	1.63E-04	2.33E-01	1.11E-05	-6.01E+00	-1.62E-04
169	371005	757357	Offsite Worker	1.72E+00	3.66E-03	2.90E+00	1.16E+00	-1.43E+00	-1.10E-03	7.29E+00	1.33E-01	2.08E+00	7.43E-05	-6.77E-01	-5.21E-05	8.84E-01	1.52E-04	2.33E-01	1.11E-05	-5.04E+00	-1.36E-04
170	370998	757293	Offsite Worker	2.25E+00	4.78E-03	3.61E+00	1.44E+00	-2.72E+00	-2.09E-03	9.19E+00	1.67E-01	2.56E+00	9.14E-05	-8.19E-01	-6.30E-05	1.10E+00	1.89E-04	2.52E-01	1.20E-05	-7.71E+00	-2.08E-04
171	370998	757194	Offsite Worker	1.13E+00	2.41E-03	2.85E+00	1.14E+00	-1.81E+00	-1.40E-03	5.93E+00	1.08E-01	2.04E+00	7.28E-05	-7.77E-01	-5.98E-05	8.73E-01	1.51E-04	2.12E-01	1.01E-05	-5.76E+00	-1.56E-04
172	370998	757096	Offsite Worker	-6.43E-01	-1.37E-03	1.91E+00	7.63E-01	-3.15E+00	-2.43E-03	8.62E-01	1.57E-02	1.33E+00	4.74E-05	-8.05E-01	-6.19E-05	5.95E-01	1.03E-04	6.65E-02	3.17E-06	-7.07E+00	-1.91E-04
173	370998	756998	Offsite Worker	2.57E-01	5.46E-04	1.76E+00	7.06E-01	-3.90E+00	-3.00E-03	2.17E+00	3.94E-02	1.21E+00	4.33E-05	-5.76E-01	-4.43E-05	5.64E-01	9.73E-05	1.58E-02	7.53E-07	-8.98E+00	-2.43E-04
174	371057	756997	Offsite Worker	7.27E-01	1.55E-03	1.94E+00	7.77E-01	-2.57E+00	-1.98E-03	3.61E+00	6.57E-02	1.37E+00	4.89E-05	-5.43E-01	-4.17E-05	6.10E-01	1.05E-04	8.79E-02	4.18E-06	-6.72E+00	-1.82E-04
175	371153	756997	Offsite Worker	1.66E+00	3.53E-03	2.35E+00	9.41E-01	2.53E-02	1.95E-05	6.44E+00	1.17E-01	1.73E+00	6.17E-05	-4.97E-01	-3.82E-05	7.24E-01	1.25E-04	2.33E-01	1.11E-05	-2.71E+00	-7.32E-05
176	371249	756997	Offsite Worker	2.57E+00	5.47E-03	2.68E+00	1.07E+00	1.71E+00	1.32E-03	8.93E+00	1.62E-01	2.01E+00	7.17E-05	-4.28E-01	-3.29E-05	8.21E-01	1.41E-04	3.31E-01	1.58E-05	-3.76E-01	-1.02E-05
177	371345	756997	Offsite Worker	2.96E+00	6.31E-03	2.81E+00	1.12E+00	1.50E+00	1.16E-03	9.85E+00	1.79E-01	2.09E+00	7.47E-05	-3.93E-01	-3.02E-05	8.60E-01	1.48E-04	3.34E-01	1.59E-05	-9.43E-01	-2.55E-05
178	371440	756997	Offsite Worker	3.71E+00	7.89E-03	3.06E+00	1.23E+00	1.83E+00	1.40E-03	1.19E+01	2.16E-01	2.28E+00	8.13E-05	-3.32E-01	-2.56E-05	9.27E-01	1.60E-04	3.75E-01	1.78E-05	-2.15E-01	-5.82E-06
179	371536	756997	Offsite Worker	3.36E+00	7.15E-03	2.82E+00	1.13E+00	1.69E+00	1.30E-03	1.08E+01	1.97E-01	2.10E+00	7.48E-05	-3.16E-01	-2.43E-05	8.53E-01	1.47E-04	3.46E-01	1.65E-05	-1.55E-01	-4.19E-06
180	371632	756997	Offsite Worker	2.75E+00	5.85E-03	2.46E+00	9.85E-01	1.35E+00	1.04E-03	9.06E+00	1.65E-01	1.83E+00	6.53E-05	-3.14E-01	-2.41E-05	7.46E-01	1.29E-04	2.97E-01	1.41E-05	-3.83E-01	-1.03E-05
181	371728	756997	Offsite Worker	2.53E+00	5.38E-03	2.33E+00	9.32E-01	1.59E+00	1.22E-03	8.45E+00	1.54E-01	1.74E+00	6.21E-05	-3.11E-01	-2.39E-05	7.07E-01	1.22E-04	2.93E-01	1.40E-05	9.64E-02	2.60E-06
182	371824	756997	Offsite Worker	2.50E+00	5.33E-03	2.25E+00	8.98E-01	1.41E+00	1.08E-03	8.27E+00	1.50E-01	1.67E+00	5.97E-05	-2.86E-01	-2.20E-05	6.80E-01	1.17E-04	2.78E-01	1.32E-05	-7.16E-02	-1.93E-06
183	371920	756997	Offsite Worker	2.29E+00	4.88E-03	2.08E+00	8.33E-01	1.44E+00	1.11E-03	7.62E+00	1.39E-01	1.55E+00	5.55E-05	-2.72E-01	-2.09E-05	6.31E-01	1.09E-04	2.63E-01	1.25E-05	1.33E-01	3.59E-06
184	372016	756997	Offsite Worker	2.81E+00	5.99E-03	2.27E+00	9.07E-01	2.83E+00	2.18E-03	9.10E+00	1.65E-01	1.72E+00	6.16E-05	-2.32E-01	-1.78E-05	6.85E-01	1.18E-04	3.36E-01	1.60E-05	2.16E+00	5.85E-05
185	372111	756997	Offsite Worker	5.12E+00	1.09E-02	3.31E+00	1.32E+00	6.27E+00	4.82E-03	1.56E+01	2.84E-01	2.56E+00	9.16E-05	-1.34E-01	-1.03E-05	9.91E-01	1.71E-04	5.75E-01	2.74E-05	6.72E+00	1.82E-04
186	372207	756997	Offsite Worker	7.64E+00	1.62E-02	4.54E+00	1.81E+00	1.16E+01	8.91E-03	2.30E+01	4.19E-01	3.59E+00	1.28E-04	-5.41E-02	-4.16E-06	1.35E+00	2.33E-04	9.06E-01	4.31E-05	1.40E+01	3.77E-04
187	372303	756997	Offsite Worker	4.21E+00	8.95E-03	2.90E+00	1.16E+00	4.89E+00	3.77E-03	1.31E+01	2.37E-01	2.23E+00	7.98E-05	-1.73E-01	-1.33E-05	8.71E-01	1.50E-04	4.80E-01	2.29E-05	4.88E+00	1.32E-04
188	372399	756997	Offsite Worker	2.09E+00	4.44E-03	1.75E+00	6.99E-01	1.28E+00	9.82E-04	6.74E+00	1.23E-01	1.30E+00	4.66E-05	-1.95E-01	-1.50E-05	5.28E-01	9.11E-05	2.23E-01	1.06E-05	2.49E-01	6.74E-06
189	372495	756997	Offsite Worker	2.24E+00	4.77E-03	1.73E+00	6.94E-01	1.28E+00	9.88E-04	7.06E+00	1.28E-01	1.29E+00	4.62E-05	-1.59E-01	-1.22E-05	5.23E-01	9.01E-05	2.22E-01	1.06E-05	3.23E-01	8.74E-06
190	372591	756997	Offsite Worker	2.87E+00	6.10E-03	2.08E+00	8.31E-01	1.82E+00	1.40E-03	8.87E+00	1.61E-01	1.55E+00	5.55E-05	-1.53E-01	-1.18E-05	6.25E-01	1.08E-04	2.77E-01	1.32E-05	8.70E-01	2.35E-05
191	372610	757063	Offsite Worker	2.34E+00	4.97E-03	1.79E+00	7.15E-01	1.08E+00	8.31E-04	7.30E+00	1.33E-01	1.33E+00	4.73E-05	-1.59E-01	-1.22E-05	5.39E-01	9.29E-05	2.19E-01	1.05E-05	-3.34E-02	-9.03E-07
192	372612	757132	Offsite Worker	1.88E+00	4.00E-03	1.50E+00	5.99E-01	5.78E-01	4.44E-04	5.93E+00	1.08E-01	1.10E+00	3.93E-05	-1.48E-01	-1.14E-05	4.51E-01	7.78E-05	1.71E-01	8.13E-06	-5.46E-01	-1.48E-05
193	372614	757201	Offsite Worker	1.75E+00	3.72E-03	1.43E+00	5.73E-01	3.81E-01	2.93E-04	5.55E+00	1.01E-01	1.05E+00	3.75E-05	-1.52E-01	-1.17E-05	4.32E-01	7.45E-05	1.57E-01	7.47E-06	-7.84E-01	-2.12E-05
194	372616	757270	Offsite Worker	1.90E+00	4.03E-03	1.51E+00	6.03E-01	6.02E-01	4.63E-04	5.98E+00	1.09E-01	1.11E+00	3.96E-05	-1.49E-01	-1.15E-05	4.54E-01	7.83E-05	1.73E-01	8.24E-06	-4.84E-01	-1.31E-05
195	372627	757351	Offsite Worker	1.56E+00	3.32E-03	1.36E+00	5.45E-01	7.31E-01	5.62E-04	5.11E+00	9.29E-02	1.01E+00	3.60E-05	-1.65E-01	-1.27E-05	4.11E-01	7.09E-05	1.64E-01	7.80E-06	-1.78E-01	-4.80E-06

Table 3-5B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Minimum Range
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m³)	acetaldehyde Acute Hazard	acrolein (µg/m³)	acrolein Acute Hazard	benzene (µg/m³)	benzene Acute Hazard	formaldehyde (µg/m³)	formaldehyde Acute Hazard	methyl alcohol (µg/m³)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m³)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m³)	phenol (carbolic acid) Acute Hazard	styrene (µg/m³)	styrene Acute Hazard	toluene (µg/m³)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
196	372651	757422	Offsite Worker	7.32E-01	1.56E-03	9.80E-01	3.92E-01	-3.15E-01	-2.42E-04	2.76E+00	5.02E-02	7.08E-01	2.53E-05	-1.98E-01	-1.53E-05	3.00E-01	5.17E-05	8.46E-02	4.03E-06	-1.53E+00	-4.14E-05
197	372676	757494	Offsite Worker	8.25E-01	1.76E-03	1.08E+00	4.34E-01	-4.62E-01	-3.55E-04	3.08E+00	5.61E-02	7.80E-01	2.79E-05	-2.17E-01	-1.67E-05	3.31E-01	5.71E-05	8.93E-02	4.25E-06	-1.84E+00	-4.98E-05
198	372704	757569	Offsite Worker	1.12E+00	2.37E-03	1.18E+00	4.72E-01	-2.88E-01	-2.22E-04	3.83E+00	6.96E-02	8.53E-01	3.04E-05	-1.92E-01	-1.47E-05	3.59E-01	6.19E-05	1.06E-01	5.02E-06	-1.65E+00	-4.45E-05
199	372733	757645	Offsite Worker	1.01E+00	2.15E-03	1.18E+00	4.72E-01	1.56E-01	1.20E-04	3.68E+00	6.68E-02	8.65E-01	3.09E-05	-2.12E-01	-1.63E-05	3.59E-01	6.19E-05	1.23E-01	5.88E-06	-9.26E-01	-2.50E-05
200	372746	757702	Offsite Worker	1.11E+00	2.37E-03	1.25E+00	5.01E-01	4.11E-01	3.16E-04	4.01E+00	7.29E-02	9.23E-01	3.30E-05	-2.17E-01	-1.67E-05	3.80E-01	6.55E-05	1.41E-01	6.70E-06	-5.74E-01	-1.55E-05
201	372746	757768	Offsite Worker	1.20E+00	2.54E-03	1.30E+00	5.20E-01	8.21E-01	6.31E-04	4.29E+00	7.80E-02	9.69E-01	3.46E-05	-2.17E-01	-1.67E-05	3.94E-01	6.79E-05	1.62E-01	7.70E-06	1.86E-02	5.04E-07
202	372807	757781	Offsite Worker	1.17E+00	2.48E-03	1.25E+00	5.02E-01	7.95E-01	6.12E-04	4.16E+00	7.57E-02	9.35E-01	3.34E-05	-2.07E-01	-1.59E-05	3.80E-01	6.56E-05	1.56E-01	7.44E-06	2.21E-02	5.97E-07
203	372901	757782	Offsite Worker	1.30E+00	2.76E-03	1.28E+00	5.12E-01	6.71E-01	5.16E-04	4.45E+00	8.10E-02	9.49E-01	3.39E-05	-1.89E-01	-1.46E-05	3.87E-01	6.68E-05	1.54E-01	7.31E-06	-1.89E-01	-5.11E-06
204	372994	757783	Offsite Worker	1.47E+00	3.12E-03	1.40E+00	5.59E-01	4.14E-01	3.19E-04	4.93E+00	8.96E-02	1.03E+00	3.67E-05	-1.97E-01	-1.51E-05	4.22E-01	7.28E-05	1.55E-01	7.38E-06	-6.97E-01	-1.88E-05
205	373087	757783	Offsite Worker	1.47E+00	3.13E-03	1.36E+00	5.46E-01	1.39E-01	1.07E-04	4.86E+00	8.83E-02	9.95E-01	3.55E-05	-1.85E-01	-1.42E-05	4.13E-01	7.11E-05	1.41E-01	6.70E-06	-1.10E+00	-2.98E-05
206	373180	757784	Offsite Worker	1.47E+00	3.12E-03	1.29E+00	5.16E-01	5.14E-02	3.95E-05	4.74E+00	8.62E-02	9.39E-01	3.35E-05	-1.59E-01	-1.23E-05	3.90E-01	6.73E-05	1.30E-01	6.18E-06	-1.18E+00	-3.18E-05
207	373274	757785	Offsite Worker	1.34E+00	2.84E-03	1.12E+00	4.50E-01	1.86E-02	1.43E-05	4.24E+00	7.71E-02	8.17E-01	2.92E-05	-1.27E-01	-9.76E-06	3.40E-01	5.86E-05	1.12E-01	5.32E-06	-1.08E+00	-2.93E-05
208	373367	757786	Offsite Worker	1.17E+00	2.50E-03	1.02E+00	4.08E-01	-2.90E-02	-2.23E-05	3.77E+00	6.85E-02	7.40E-01	2.64E-05	-1.23E-01	-9.46E-06	3.09E-01	5.32E-05	9.97E-02	4.75E-06	-1.05E+00	-2.84E-05
209	373418	757742	Offsite Worker	1.29E+00	2.74E-03	1.09E+00	4.36E-01	-2.95E-02	-2.27E-05	4.10E+00	7.45E-02	7.91E-01	2.82E-05	-1.25E-01	-9.60E-06	3.30E-01	5.68E-05	1.07E-01	5.08E-06	-1.12E+00	-3.02E-05
210	373418	757653	Offsite Worker	1.25E+00	2.66E-03	1.09E+00	4.35E-01	-2.79E-01	-2.15E-04	3.99E+00	7.25E-02	7.81E-01	2.79E-05	-1.31E-01	-1.01E-05	3.29E-01	5.66E-05	9.64E-02	4.59E-06	-1.50E+00	-4.05E-05
211	373419	757564	Offsite Worker	1.12E+00	2.37E-03	1.03E+00	4.11E-01	-3.11E-01	-2.39E-04	3.63E+00	6.59E-02	7.39E-01	2.64E-05	-1.38E-01	-1.06E-05	3.11E-01	5.37E-05	8.93E-02	4.25E-06	-1.51E+00	-4.07E-05
212	373419	757475	Offsite Worker	1.89E+00	4.02E-03	1.43E+00	5.73E-01	4.95E-01	3.81E-04	5.84E+00	1.06E-01	1.05E+00	3.76E-05	-1.24E-01	-9.57E-06	4.32E-01	7.45E-05	1.61E-01	7.67E-06	-6.12E-01	-1.66E-05
213	373420	757386	Offsite Worker	2.58E+00	5.48E-03	1.77E+00	7.07E-01	1.03E+00	7.93E-04	7.78E+00	1.42E-01	1.31E+00	4.67E-05	-1.03E-01	-7.93E-06	5.30E-01	9.14E-05	2.16E-01	1.03E-05	-2.17E-02	-5.87E-07
214	373420	757297	Offsite Worker	2.72E+00	5.79E-03	1.82E+00	7.26E-01	1.10E+00	8.48E-04	8.14E+00	1.48E-01	1.34E+00	4.79E-05	-9.13E-02	-7.02E-06	5.44E-01	9.38E-05	2.23E-01	1.06E-05	4.77E-02	1.29E-06
215	373421	757207	Offsite Worker	2.35E+00	5.00E-03	1.60E+00	6.41E-01	1.10E+00	8.43E-04	7.09E+00	1.29E-01	1.19E+00	4.25E-05	-9.10E-02	-7.00E-06	4.81E-01	8.30E-05	2.02E-01	9.60E-06	2.12E-01	5.74E-06
216	373421	757118	Offsite Worker	2.60E+00	5.53E-03	1.78E+00	7.12E-01	1.72E+00	1.32E-03	7.91E+00	1.44E-01	1.34E+00	4.77E-05	-1.03E-01	-7.96E-06	5.35E-01	9.22E-05	2.44E-01	1.16E-05	1.01E+00	2.74E-05
217	373292	757117	Offsite Worker	2.58E+00	5.50E-03	1.80E+00	7.20E-01	1.45E+00	1.12E-03	7.87E+00	1.43E-01	1.34E+00	4.79E-05	-1.13E-01	-8.70E-06	5.40E-01	9.32E-05	2.35E-01	1.12E-05	5.74E-01	1.55E-05
218	373213	757118	Offsite Worker	2.83E+00	6.03E-03	1.95E+00	7.81E-01	1.49E+00	1.15E-03	8.60E+00	1.56E-01	1.45E+00	5.19E-05	-1.16E-01	-8.94E-06	5.86E-01	1.01E-04	2.52E-01	1.20E-05	5.13E-01	1.39E-05
219	373158	757066	Offsite Worker	2.88E+00	6.13E-03	2.00E+00	8.02E-01	1.69E+00	1.30E-03	8.79E+00	1.60E-01	1.50E+00	5.34E-05	-1.25E-01	-9.64E-06	6.02E-01	1.04E-04	2.65E-01	1.26E-05	7.64E-01	2.07E-05
220	373084	757026	Offsite Worker	3.00E+00	6.39E-03	2.10E+00	8.39E-01	1.85E+00	1.43E-03	9.18E+00	1.67E-01	1.57E+00	5.60E-05	-1.33E-01	-1.03E-05	6.30E-01	1.09E-04	2.81E-01	1.34E-05	9.39E-01	2.54E-05
221	373009	757011	Offsite Worker	3.00E+00	6.39E-03	2.15E+00	8.58E-01	1.76E+00	1.35E-03	9.24E+00	1.68E-01	1.60E+00	5.72E-05	-1.50E-01	-1.15E-05	6.45E-01	1.11E-04	2.82E-01	1.34E-05	7.34E-01	1.98E-05
222	372922	757009	Offsite Worker	1.92E+00	4.08E-03	1.60E+00	6.42E-01	8.66E-01	6.66E-04	6.16E+00	1.12E-01	1.19E+00	4.25E-05	-1.79E-01	-1.38E-05	4.86E-01	8.37E-05	1.93E-01	9.17E-06	-2.75E-01	-7.44E-06
223	372835	757007	Offsite Worker	2.90E+00	6.16E-03	2.08E+00	8.32E-01	1.83E+00	1.41E-03	8.93E+00	1.62E-01	1.56E+00	5.56E-05	-1.48E-01	-1.14E-05	6.25E-01	1.08E-04	2.78E-01	1.32E-05	8.78E-01	2.37E-05
224	372747	757006	Offsite Worker	3.51E+00	7.48E-03	2.42E+00	9.68E-01	2.29E+00	1.76E-03	1.07E+01	1.95E-01	1.81E+00	6.47E-05	-1.43E-01	-1.10E-05	7.26E-01	1.25E-04	3.30E-01	1.57E-05	1.33E+00	3.59E-05
225	372660	757004	Offsite Worker	3.27E+00	6.96E-03	2.30E+00	9.20E-01	2.11E+00	1.63E-03	1.00E+01	1.82E-01	1.72E+00	6.15E-05	-1.50E-01	-1.15E-05	6.90E-01	1.19E-04	3.11E-01	1.48E-05	1.15E+00	3.11E-05
226	372651	757063	Offsite Worker	2.65E+00	5.63E-03	2.00E+00	7.99E-01	1.11E+00	8.52E-04	8.23E+00	1.50E-01	1.48E+00	5.28E-05	-1.70E-01	-1.31E-05	6.01E-01	1.04E-04	2.41E-01	1.15E-05	-1.74E-01	-4.69E-06
227	372629	756931	Offsite Worker	5.07E+00	1.08E-02	3.24E+00	1.29E+00	3.68E+00	2.83E-03	1.52E+01	2.76E-01	2.44E+00	8.70E-05	-1.17E-01	-8.99E-06	9.68E-01	1.67E-04	4.65E-01	2.22E-05	2.82E+00	7.63E-05
228	372631	756857	Offsite Worker	3.60E+00	7.66E-03	2.46E+00	9.85E-01	3.06E+00	2.35E-03	1.10E+01	2.00E-01	1.87E+00	6.66E-05	-1.41E-01	-1.08E-05	7.39E-01	1.27E-04	3.64E-01	1.73E-05	2.44E+00	6.59E-05
229	372634	756783	Offsite Worker	3.32E+00	7.06E-03	2.33E+00	9.30E-01	3.14E+00	2.41E-03	1.02E+01	1.86E-01	1.77E+00	6.32E-05	-1.50E-01	-1.15E-05	7.00E-01	1.21E-04	3.53E-01	1.68E-05	2.63E+00	7.10E-05
230	372702	756778	Offsite Worker	3.60E+00	7.65E-03	2.47E+00	9.88E-01	3.05E+00	2.35E-03	1.10E+01	2.00E-01	1.87E+00	6.68E-05	-1.45E-01	-1.11E-05	7.42E-01	1.28E-04	3.64E-01	1.74E-05	2.40E+00	6.49E-05
231	372756	756775	Offsite Worker	4.37E+00	9.31E-03	2.82E+00	1.13E+00	3.30E+00	2.54E-03	1.31E+01	2.39E-01	2.13E+00	7.61E-05	-1.12E-01	-8.63E-06	8.46E-01	1.46E-04	4.09E-01	1.95E-05	2.53E+00	6.84E-05
232	372729	756712	Offsite Worker	5.17E+00	1.10E-02	3.33E+00	1.33E+00	3.27E+00	2.51E-03	1.54E+01	2.81E-01	2.50E+00	8.92E-05	-1.32E-01	-1.02E-05	9.98E-01	1.72E-04	4.59E-01	2.18E-05	2.07E+00	5.58E-05
233	372703	756650	Offsite Worker	5.96E+00	1.27E-02	3.75E+00	1.50E+00	4.12E+00	3.17E-03	1.78E+01	3.23E-01	2.82E+00	1.01E-04	-1.17E-01	-9.03E-06	1.12E+00	1.93E-04	5.34E-01	2.54E-05	3.09E+00	8.34E-05
234	372677	756588	Offsite Worker	6.79E+00	1.45E-02	4.24E+00	1.70E+00	4.37E+00	3.37E-03	2.02E+01	3.67E-01	3.18E+00	1.14E-04	-1.23E-01	-9.49E-06	1.27E+00	2.18E-04	5.92E-01	2.82E-05	3.08E+00	8.31E-05
235	372619	756588	Offsite Worker	6.60E+00	1.40E-02	4.13E+00	1.65E+00	4.62E+00	3.55E-03	1.96E+01	3.57E-01	3.10E+00	1.11E-04	-1.22E-01	-9.37E-06	1.23E+00	2.13E-04	5.91E-01	2.81E-05	3.52E+00	9.52E-05
236	372622	756509	Offsite Worker	9.38E+00	2.00E-02	5.77E+00	2.31E+00	6.23E+00	4.80E-03	2.78E+01	5.05E-01	4.33E+00	1.55E-04	-1.38E-01	-1.06E-05	1.72E+00	2.96E-04	8.17E-01	3.89E-05	4.71E+00	1.27E-04
237	372700	756511	Offsite Worker	9.42E+00	2.01E-02	5.78E+00	2.31E+00	5.76E+00	4.43E-03	2.78E+01	5.06E-01	4.32E+00	1.54E-04	-1.32E-01	-1.01E-05	1.72E+00	2.97E-04	7.99E-01	3.81E-05	3.99E+00	1.08E-04
238	372789	756510	Offsite Worker	9.19E+00	1.96E-02	5.63E+00	2.25E+00	5.11E+00	3.93E-03	2.71E+01	4.92E-01	4.19E+00	1.50E-04	-1.27E-01	-9.75E-06	1.68E+00	2.89E-04	7.59E-01	3.61E-05	3.12E+00	8.43E-05
239	372871	756509	Offsite Worker	8.57E+00	1.82E-02	5.26E+00	2.11E+00	4.30E+00	3.31E-03	2.52E+01	4.58E-01	3.91E+00	1.40E-04	-1.24E-01	-9.55E-06	1.57E+00	2.70E-04	6.91E-01	3.29E-05	2.19E+00	5.92E-05
240	372871	756437	Offsite Worker	9.23E+00	1.96E-02	5.66E+00	2.27E+00	5.17E+00	3.98E-03	2.72E+01	4.95E-01	4.22E+00	1.51E-04	-1.31E-01	-1.01E-05	1.69E+00	2.91E-04	7.65E-01	3.64E-05	3.20E+00	8.64E-05
241	372970	756437	Offsite Worker	8.40E+00	1.79E-02	5.19E+00	2.07E+00	4.45E+00	3.43E-03	2.48E+01	4.50E-01	3.86E+00	1.38E-04	-1.32E-01	-1.02E-05	1.55E+00	2.66E-04	6.89E-01	3.28E-05	2.47E+00	6.67E-05
242	373069	756437	Offsite Worker	7.60E+00	1.62E-02	4.72E+00	1.89E+00	3.99E+00	3.07E-03	2.24E+01	4.08E-01	3.51E+00	1.25E-04	-1.29E-01	-9.96E-06	1.41E+00	2.43E-04	6.25E-01	2.98E-05	2.11E+00	5.71E-05
243	373168	756437	Offsite Worker	6.87E+00	1.46E-02	4.29E+00	1.72E+00	3.65E+00	2.81E-03	2.03E+01	3.69E-01	3.19E+00	1.14E-04	-1.25E-01	-9.62E-06	1.28E+00	2.21E-04	5.69E-01	2.71E-05	1.95E+00	5.26E-05
244	373267	756437	Offsite Worker	6.25E+00	1.33E-02	3.92E+00	1.57E+00	3.37E+00	2.59E-03	1.85E+01	3.36E-01	2.92E+00	1.04E-04	-1.21E-01	-9.33E-06	1.17E+00	2.02E-04	5.21E-01	2.48E-05	1.81E+00	4.90E-05
245	373412	756437	Offsite Worker	5.52E+00	1.17E-02	3.49E+00	1.40E+00	3.02E+00	2.32E-03	1.64E+01	2.98E-01	2.60E+00	9.28E-05	-1.16E-01	-8.89E-06	1.04E+00	1.80E-04	4.65E-01	2.21E-05	1.63E+00	4.41E-05
246	373409	756339	Offsite Worker	7.28E+00	1.55E-02	4.56E+00	1.82E+00	3.74E+00	2.88E-03	2.15E+01	3.92E-01	3.39E+00	1.21E-04	-1.36E-01	-1.05E-05	1.36E+00	2.34E-04	5.99E-01	2.85E-05	1.86E+00	5.04E-05
247	373406	756240	Offsite Worker	7.81E+00	1.66E-02	4.84E+00	1.94E+00	4.27E+00	3.28E-03	2.31E+01	4.19E-01	3.60E+00	1.29E-04	-1.29E-01	-9.93E-06	1.44E+00	2.49E-04	6.48E-01	3.09E-05	2.50E+00	6.75E-05
248	373403	756142	Offsite Worker	7.42E+00	1.58E-02	4.90E+00	1.96E+00	4.74E+00	3.65E-03	2.24E+01	4.08E-01	3.66E+00	1.31E-04	-2.28E-01	-1.76E-05	1.46E+00	2.52E-04	6.73E-01	3.21E-05	3.18E+00	8.58E-05
249	373400	756042	Offsite Worker	5.45E+00	1.16E-02	4.01E+00	1.60E+00	3.56E+00	2.74E-03	1.70E+01	3.09E-01	2.99E+00	1.07E-04	-3.12E-01	-2.40E-05	1.20E+00	2.07E-04	5.39E-01	2.56E-05	2.06E+00	5.58E-05
250	373397	755944	Offsite Worker	3.73E+00	7.94E-03	2.99E+00	1.20E+00	1.41E+00	1.08E-03	1.19E+01	2.16E-01	2.20E+00	7.87E-05	-3.02E-01	-2.32E-05	8.98E-01	1.55E-04	3.53E-01	1.68E-05	-4.33E-01	-1.17E-05
251	373393	755846	Offsite Worker	4.42E+00	9.40E-03	3.31E+00	1.33E+00	7.81E-01	6.01E-04	1.37E+01	2.49E-01	2.42E+00	8.63E-05	-2.76E-01	-2.12E-05	9.92E-01	1.71E-04	3.60E-01	1.71E-05	-1.63E+00	-4.41E-05
252	373390	755747	Offsite Worker	4.30E+00	9.15E-03	3.13E+00	1.25E+00	1.24E+00	9.55E-04	1.32E+01	2.41E-01	2.29E+00	8.20E-05	-2.35E-01	-1.81E-05	9.36E-01	1.61E-04	3.60E-01	1.71E-05	-7.51E-01	-2.03E-05
253	373309	755744	Offsite Worker	4.38E+00	9.31E-03	3.17E+00	1.27E+00	1.25E+00	9.61E-04	1.34E+01	2.45E-01	2.32E+00	8.30E-05	-2.34E-01	-1.80E-05	9.48E-01	1.63E-04	3.64E-01	1.74E-05	-7.61E-01	-2.06E-05
254	373229	755743	Offsite Worker	4.43E+00	9.42E-03	3.21E+00	1.28E+00	1.20E+00	9.26E-04	1.36E+01	2.47E-01	2.35E+00	8.39E-05	-2.37E-01	-1.82E-05	9.59E-01	1.65E-04	3.66E-01	1.74E-05	-8.57E-01	-2.31E-05
255	373143	755741	Offsite Worker	4.40E+00	9.35E-03	3.23E+00	1.29E+00	1.09E+00	8.37E-04	1.36E+01	2.46E-01	2.36E+00	8.43E-05	-2.50E-01	-1.92E-05	9.65E-01	1.66E-04	3.64E-01	1.73E-05	-1.04E+00	-2.82E-05
256	373143	755823	Offsite Worker	4.77E+00	1.02E-02	3.56E+00	1.42E+00	8.54E-01	6.57E-04	1.48E+01	2.68E-01	2.59E+00	9.25E-05	-2.89E-01	-2.22E-05	1.06E+00	1.83E-04	3.87E-01	1.84E-05	-1.67E+00	-4.52E-05
257	373143	755906	Offsite Worker	4.37E+00	9.31E-03	3.68E+00	1.47E+00	6.75E-01	5.19E-04	1.41E+01	2.56E-01	2.68E+00	9.57E-05	-4.13E-01	-3.17E-05	1.10E+00	1.90E-04	3.93E-01	1.87E-05	-2.10E+00	-5.67E-05
258	373065	755906	Offsite Worker	4.40E+00	9.36E-03	3.73E+00	1.49E+00	7.07E-01	5.44E-04	1.42E+01	2.58E-01	2.72E+00	9.70E-05	-4.25E-01	-3.27E-05	1.12E+00	1.93E-04	3.99E-01	1.90E-05	-2.08E+00	-5.62E-05
259	373065	755827	Offsite Worker	4.42E+00	9.41E-03	3.55E+00	1.42E+00	5.64E-01	4.34E-04	1.40E+01	2.55E-01	2.58E+00	9.23E-05	-3.59E-01	-2.76E-05	1.06E+00	1.83E-04	3.76E-01	1.79E-05	-2.12E+00	-5.72E-05
260	373068	755733	Offsite Worker	4.50E+00	9.58E-03	3.22E+00	1.29E+00	1.10E+00	8.46E-04	1.38E+01	2.50E-01	2.35E+00	8.40E-05	-2.26E-01	-1.73E-05	9.62E-01	1.66E-04	3.63E-01	1.73E-05	-1.02E+00	-2.75E-05

Table 3-5B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Minimum Range
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m³)	acetaldehyde Acute Hazard	acrolein (µg/m³)	acrolein Acute Hazard	benzene (µg/m³)	benzene Acute Hazard	formaldehyde (µg/m³)	formaldehyde Acute Hazard	methyl alcohol (µg/m³)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m³)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m³)	phenol (carbolic acid) Acute Hazard	styrene (µg/m³)	styrene Acute Hazard	toluene (µg/m³)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
261	373007	755733	Offsite Worker	4.63E+00	9.84E-03	3.30E+00	1.32E+00	1.16E+00	8.89E-04	1.41E+01	2.57E-01	2.41E+00	8.61E-05	-2.27E-01	-1.75E-05	9.84E-01	1.70E-04	3.73E-01	1.78E-05	-9.87E-01	-2.67E-05
262	372941	755733	Offsite Worker	4.80E+00	1.02E-02	3.37E+00	1.35E+00	1.17E+00	9.01E-04	1.46E+01	2.65E-01	2.46E+00	8.80E-05	-2.19E-01	-1.68E-05	1.01E+00	1.74E-04	3.81E-01	1.82E-05	-1.02E+00	-2.76E-05
263	372941	755636	Offsite Worker	4.39E+00	9.35E-03	2.92E+00	1.17E+00	2.11E+00	1.62E-03	1.32E+01	2.40E-01	2.16E+00	7.73E-05	-1.42E-01	-1.09E-05	8.72E-01	1.50E-04	3.73E-01	1.77E-05	7.38E-01	2.00E-05
264	372941	755539	Offsite Worker	4.15E+00	8.84E-03	2.72E+00	1.09E+00	2.84E+00	2.18E-03	1.25E+01	2.27E-01	2.04E+00	7.28E-05	-1.19E-01	-9.13E-06	8.12E-01	1.40E-04	3.81E-01	1.81E-05	2.01E+00	5.42E-05
265	372941	755442	Offsite Worker	4.50E+00	9.57E-03	2.88E+00	1.15E+00	3.50E+00	2.69E-03	1.35E+01	2.46E-01	2.18E+00	7.77E-05	-1.08E-01	-8.28E-06	8.61E-01	1.48E-04	4.24E-01	2.02E-05	2.91E+00	7.88E-05
266	372913	755342	Offsite Worker	4.46E+00	9.48E-03	2.85E+00	1.14E+00	3.84E+00	2.95E-03	1.34E+01	2.44E-01	2.16E+00	7.72E-05	-1.04E-01	-7.97E-06	8.51E-01	1.47E-04	4.34E-01	2.07E-05	3.47E+00	9.38E-05
267	372817	755346	Offsite Worker	4.48E+00	9.54E-03	2.86E+00	1.15E+00	3.39E+00	2.61E-03	1.34E+01	2.45E-01	2.16E+00	7.71E-05	-1.03E-01	-7.96E-06	8.55E-01	1.47E-04	4.17E-01	1.99E-05	2.77E+00	7.48E-05
268	372720	755349	Offsite Worker	4.05E+00	8.61E-03	2.66E+00	1.06E+00	2.05E+00	1.58E-03	1.21E+01	2.21E-01	1.98E+00	7.06E-05	-1.20E-01	-9.25E-06	7.95E-01	1.37E-04	3.44E-01	1.64E-05	8.50E-01	2.30E-05
269	372624	755352	Offsite Worker	3.58E+00	7.62E-03	2.44E+00	9.76E-01	1.24E+00	9.55E-04	1.08E+01	1.96E-01	1.80E+00	6.42E-05	-1.37E-01	-1.06E-05	7.30E-01	1.26E-04	2.91E-01	1.38E-05	-2.22E-01	-6.01E-06
270	372527	755349	Offsite Worker	3.72E+00	7.92E-03	2.49E+00	9.97E-01	6.37E-01	4.90E-04	1.11E+01	2.02E-01	1.82E+00	6.49E-05	-1.28E-01	-9.82E-06	7.45E-01	1.28E-04	2.72E-01	1.30E-05	-1.18E+00	-3.20E-05
271	372431	755353	Offsite Worker	2.42E+00	5.15E-03	1.89E+00	7.55E-01	-2.33E+00	-1.79E-03	7.28E+00	1.32E-01	1.30E+00	4.64E-05	-1.77E-01	-1.37E-05	5.66E-01	9.76E-05	9.47E-02	4.51E-06	-5.30E+00	-1.43E-04
272	372334	755356	Offsite Worker	3.21E+00	6.83E-03	2.24E+00	8.96E-01	6.18E-02	4.75E-05	9.64E+00	1.75E-01	1.62E+00	5.78E-05	-1.41E-01	-1.09E-05	6.70E-01	1.16E-04	2.24E-01	1.07E-05	-1.87E+00	-5.06E-05
273	372237	755359	Offsite Worker	3.39E+00	7.21E-03	2.30E+00	9.21E-01	3.26E-01	2.51E-04	1.01E+01	1.84E-01	1.67E+00	5.97E-05	-1.28E-01	-9.82E-06	6.89E-01	1.19E-04	2.41E-01	1.15E-05	-1.50E+00	-4.06E-05
274	372141	755362	Offsite Worker	4.34E+00	9.23E-03	2.77E+00	1.11E+00	1.56E+00	1.20E-03	1.29E+01	2.34E-01	2.04E+00	7.28E-05	-1.00E-01	-7.69E-06	8.25E-01	1.42E-04	3.36E-01	1.60E-05	9.01E-02	2.43E-06
275	372044	755366	Offsite Worker	4.84E+00	1.03E-02	3.05E+00	1.22E+00	2.38E+00	1.83E-03	1.44E+01	2.61E-01	2.26E+00	8.07E-05	-9.59E-02	-7.38E-06	9.08E-01	1.57E-04	3.96E-01	1.89E-05	1.13E+00	3.05E-05
276	371948	755369	Offsite Worker	4.72E+00	1.00E-02	3.02E+00	1.21E+00	2.32E+00	1.78E-03	1.40E+01	2.55E-01	2.24E+00	8.00E-05	-1.11E-01	-8.55E-06	9.00E-01	1.55E-04	3.91E-01	1.86E-05	1.01E+00	2.72E-05
277	371851	755372	Offsite Worker	3.31E+00	7.04E-03	2.34E+00	9.36E-01	1.57E+00	1.21E-03	1.01E+01	1.84E-01	1.73E+00	6.20E-05	-1.57E-01	-1.21E-05	7.02E-01	1.21E-04	2.94E-01	1.40E-05	3.26E-01	8.80E-06
278	371755	755375	Offsite Worker	3.14E+00	6.68E-03	2.28E+00	9.11E-01	1.06E+00	8.16E-04	9.65E+00	1.75E-01	1.67E+00	5.98E-05	-1.69E-01	-1.30E-05	6.82E-01	1.18E-04	2.68E-01	1.27E-05	-3.65E-01	-9.86E-06
279	371658	755378	Offsite Worker	2.86E+00	6.09E-03	2.02E+00	8.10E-01	1.65E+00	1.27E-03	8.80E+00	1.60E-01	1.51E+00	5.39E-05	-1.35E-01	-1.04E-05	6.06E-01	1.04E-04	2.66E-01	1.27E-05	7.73E-01	2.09E-05
280	371562	755382	Offsite Worker	2.82E+00	6.00E-03	1.97E+00	7.88E-01	1.92E+00	1.47E-03	8.66E+00	1.58E-01	1.48E+00	5.27E-05	-1.25E-01	-9.58E-06	5.90E-01	1.02E-04	2.71E-01	1.29E-05	1.21E+00	3.28E-05
281	371465	755385	Offsite Worker	3.19E+00	6.78E-03	2.15E+00	8.58E-01	2.74E+00	2.11E-03	9.73E+00	1.77E-01	1.63E+00	5.80E-05	-1.12E-01	-8.61E-06	6.42E-01	1.11E-04	3.21E-01	1.53E-05	2.32E+00	6.27E-05
282	371368	755388	Offsite Worker	3.39E+00	7.21E-03	2.31E+00	9.23E-01	2.85E+00	2.19E-03	1.04E+01	1.89E-01	1.75E+00	6.24E-05	-1.29E-01	-9.91E-06	6.92E-01	1.19E-04	3.41E-01	1.62E-05	2.31E+00	6.24E-05
283	371272	755391	Offsite Worker	4.15E+00	8.82E-03	2.82E+00	1.13E+00	5.01E+00	3.85E-03	1.28E+01	2.34E-01	2.17E+00	7.77E-05	-1.55E-01	-1.19E-05	8.44E-01	1.46E-04	4.77E-01	2.27E-05	5.22E+00	1.41E-04
284	371175	755395	Offsite Worker	4.98E+00	1.06E-02	3.39E+00	1.35E+00	6.57E+00	5.05E-03	1.55E+01	2.82E-01	2.63E+00	9.38E-05	-1.86E-01	-1.43E-05	1.01E+00	1.75E-04	5.95E-01	2.83E-05	7.18E+00	1.94E-04
285	371079	755398	Offsite Worker	4.92E+00	1.05E-02	3.38E+00	1.35E+00	4.28E+00	3.29E-03	1.52E+01	2.75E-01	2.56E+00	9.15E-05	-1.98E-01	-1.53E-05	1.01E+00	1.75E-04	5.05E-01	2.40E-05	3.67E+00	9.93E-05
286	371042	755478	Offsite Worker	4.03E+00	8.58E-03	2.83E+00	1.13E+00	3.76E+00	2.89E-03	1.25E+01	2.27E-01	2.15E+00	7.67E-05	-1.82E-01	-1.40E-05	8.47E-01	1.46E-04	4.29E-01	2.04E-05	3.33E+00	8.99E-05
287	371009	755538	Offsite Worker	3.65E+00	7.77E-03	2.54E+00	1.01E+00	4.30E+00	3.31E-03	1.14E+01	2.07E-01	1.95E+00	6.97E-05	-1.56E-01	-1.20E-05	7.60E-01	1.31E-04	4.21E-01	2.01E-05	4.40E+00	1.19E-04
288	370975	755597	Offsite Worker	5.47E+00	1.16E-02	3.40E+00	1.36E+00	5.34E+00	4.11E-03	1.64E+01	2.99E-01	2.60E+00	9.28E-05	-9.19E-02	-7.07E-06	1.01E+00	1.75E-04	5.48E-01	2.61E-05	5.37E+00	1.45E-04
289	370925	755597	Offsite Worker	5.61E+00	1.19E-02	3.47E+00	1.39E+00	6.16E+00	4.74E-03	1.69E+01	3.07E-01	2.67E+00	9.52E-05	-8.68E-02	-6.68E-06	1.03E+00	1.78E-04	5.87E-01	2.79E-05	6.58E+00	1.78E-04
290	370860	755547	Offsite Worker	4.32E+00	9.20E-03	2.87E+00	1.15E+00	5.79E+00	4.45E-03	1.34E+01	2.43E-01	2.23E+00	7.96E-05	-1.36E-01	-1.04E-05	8.56E-01	1.48E-04	5.13E-01	2.44E-05	6.46E+00	1.75E-04
291	370796	755497	Offsite Worker	4.17E+00	8.87E-03	2.68E+00	1.07E+00	4.87E+00	3.75E-03	1.27E+01	2.31E-01	2.06E+00	7.37E-05	-1.00E-01	-7.69E-06	7.99E-01	1.38E-04	4.57E-01	2.18E-05	5.21E+00	1.41E-04
292	370733	755428	Offsite Worker	4.78E+00	1.02E-02	3.13E+00	1.25E+00	5.41E+00	4.16E-03	1.46E+01	2.66E-01	2.41E+00	8.61E-05	-1.40E-01	-1.07E-05	9.37E-01	1.62E-04	5.24E-01	2.50E-05	5.63E+00	1.52E-04
293	370634	755428	Offsite Worker	7.15E+00	1.52E-02	4.54E+00	1.82E+00	1.02E+01	7.81E-03	2.19E+01	3.98E-01	3.56E+00	1.27E-04	-1.55E-01	-1.19E-05	1.36E+00	2.34E-04	8.51E-01	4.05E-05	1.18E+01	3.18E-04
294	370536	755428	Offsite Worker	7.19E+00	1.53E-02	4.58E+00	1.83E+00	8.16E+00	6.27E-03	2.18E+01	3.97E-01	3.53E+00	1.26E-04	-1.63E-01	-1.25E-05	1.37E+00	2.36E-04	7.76E-01	3.70E-05	8.64E+00	2.34E-04
295	370437	755428	Offsite Worker	5.96E+00	1.27E-02	3.95E+00	1.58E+00	6.12E+00	4.70E-03	1.82E+01	3.32E-01	3.02E+00	1.08E-04	-1.87E-01	-1.44E-05	1.18E+00	2.04E-04	6.33E-01	3.01E-05	6.01E+00	1.62E-04
296	370338	755427	Offsite Worker	5.17E+00	1.10E-02	3.53E+00	1.41E+00	4.28E+00	3.29E-03	1.59E+01	2.88E-01	2.67E+00	9.54E-05	-2.02E-01	-1.55E-05	1.06E+00	1.82E-04	5.19E-01	2.47E-05	3.52E+00	9.52E-05
307	369249	755442	Offsite Worker	8.87E-01	1.89E-03	1.51E+00	6.02E-01	-3.67E+00	-2.82E-03	3.46E+00	6.30E-02	9.97E-01	3.56E-05	-3.53E-01	-2.72E-05	4.58E-01	7.90E-05	4.94E-03	2.35E-07	-7.14E+00	-1.93E-04
308	369151	755442	Offsite Worker	1.48E-01	3.15E-04	1.07E+00	4.29E-01	-2.96E+00	-2.28E-03	1.42E+00	2.57E-02	7.06E-01	2.52E-05	-3.49E-01	-2.69E-05	3.30E-01	5.70E-05	-1.02E-02	-4.84E-07	-5.74E+00	-1.55E-04
309	369052	755442	Offsite Worker	1.55E+00	3.31E-03	1.76E+00	7.04E-01	-9.59E-01	-7.38E-04	5.45E+00	9.91E-02	1.25E+00	4.48E-05	-3.07E-01	-2.36E-05	5.34E-01	9.20E-05	1.37E-01	6.52E-06	-3.19E+00	-8.63E-05
320	368035	755402	Offsite Worker	3.55E+00	7.54E-03	2.49E+00	9.95E-01	1.69E+00	1.30E-03	1.08E+01	1.97E-01	1.84E+00	6.58E-05	-1.60E-01	-1.23E-05	7.44E-01	1.28E-04	3.13E-01	1.49E-05	4.43E-01	1.20E-05
321	367960	755389	Offsite Worker	3.54E+00	7.54E-03	2.48E+00	9.90E-01	1.96E+00	1.50E-03	1.08E+01	1.97E-01	1.84E+00	6.58E-05	-1.57E-01	-1.20E-05	7.41E-01	1.28E-04	3.23E-01	1.54E-05	8.45E-01	2.28E-05
322	367863	755390	Offsite Worker	3.55E+00	7.54E-03	2.50E+00	1.00E+00	2.19E+00	1.68E-03	1.09E+01	1.98E-01	1.87E+00	6.68E-05	-1.67E-01	-1.28E-05	7.50E-01	1.29E-04	3.35E-01	1.59E-05	1.18E+00	3.18E-05
323	367766	755392	Offsite Worker	3.58E+00	7.61E-03	2.51E+00	1.00E+00	2.38E+00	1.83E-03	1.10E+01	2.00E-01	1.88E+00	6.71E-05	-1.62E-01	-1.25E-05	7.52E-01	1.30E-04	3.43E-01	1.63E-05	1.47E+00	3.98E-05
324	367669	755393	Offsite Worker	3.65E+00	7.77E-03	2.52E+00	1.01E+00	2.58E+00	1.99E-03	1.12E+01	2.03E-01	1.89E+00	6.76E-05	-1.52E-01	-1.17E-05	7.55E-01	1.30E-04	3.52E-01	1.68E-05	1.78E+00	4.80E-05
325	367572	755394	Offsite Worker	3.75E+00	7.97E-03	2.53E+00	1.01E+00	2.81E+00	2.16E-03	1.14E+01	2.08E-01	1.91E+00	6.81E-05	-1.36E-01	-1.05E-05	7.58E-01	1.31E-04	3.62E-01	1.72E-05	2.12E+00	5.74E-05
326	367475	755395	Offsite Worker	3.60E+00	7.67E-03	2.43E+00	9.72E-01	2.79E+00	2.15E-03	1.10E+01	2.00E-01	1.83E+00	6.54E-05	-1.28E-01	-9.87E-06	7.27E-01	1.25E-04	3.51E-01	1.67E-05	2.19E+00	5.92E-05
327	370400	756850	On-Site Occupational	-4.87E+00	-1.04E-02	1.06E+00	4.23E-01	-1.54E+01	-1.19E-02	-1.03E+01	-1.86E-01	3.98E-01	1.42E-05	-1.36E+00	-1.05E-04	3.56E-01	6.14E-05	-5.00E-01	-2.38E-05	-2.55E+01	-6.89E-04
1	367379	755396	Recreational	3.36E+00	7.16E-03	2.32E+00	9.29E-01	2.81E+00	2.16E-03	1.04E+01	1.88E-01	1.76E+00	6.27E-05	-1.39E-01	-1.07E-05	6.95E-01	1.20E-04	3.41E-01	1.63E-05	2.30E+00	6.23E-05
2	367340	755485	Recreational	3.16E+00	6.72E-03	2.23E+00	8.91E-01	2.54E+00	1.95E-03	9.77E+00	1.78E-01	1.68E+00	6.00E-05	-1.47E-01	-1.13E-05	6.67E-01	1.15E-04	3.21E-01	1.53E-05	1.96E+00	5.29E-05
3	367301	755573	Recreational	2.95E+00	6.28E-03	2.08E+00	8.30E-01	2.17E+00	1.67E-03	9.10E+00	1.65E-01	1.56E+00	5.57E-05	-1.36E-01	-1.04E-05	6.22E-01	1.07E-04	2.91E-01	1.39E-05	1.51E+00	4.08E-05
4	367263	755661	Recreational	3.57E+00	7.59E-03	2.40E+00	9.61E-01	2.77E+00	2.13E-03	1.09E+01	1.98E-01	1.81E+00	6.47E-05	-1.26E-01	-9.66E-06	7.18E-01	1.24E-04	3.47E-01	1.65E-05	2.18E+00	5.89E-05
5	367224	755749	Recreational	3.96E+00	8.43E-03	2.64E+00	1.05E+00	3.80E+00	2.92E-03	1.21E+01	2.20E-01	2.01E+00	7.17E-05	-1.29E-01	-9.91E-06	7.89E-01	1.36E-04	4.11E-01	1.96E-05	3.55E+00	9.59E-05
6	367186	755838	Recreational	3.67E+00	7.81E-03	2.51E+00	1.01E+00	3.80E+00	2.92E-03	1.13E+01	2.06E-01	1.92E+00	6.86E-05	-1.44E-01	-1.11E-05	7.53E-01	1.30E-04	3.99E-01	1.90E-05	3.63E+00	9.82E-05
7	367147	755926	Recreational	2.94E+00	6.26E-03	2.19E+00	8.76E-01	2.40E+00	1.85E-03	9.25E+00	1.68E-01	1.65E+00	5.90E-05	-1.78E-01	-1.37E-05	6.57E-01	1.13E-04	3.12E-01	1.49E-05	1.74E+00	4.70E-05
8	367109	756014	Recreational	3.30E+00	7.01E-03	2.35E+00	9.39E-01	2.09E+00	1.61E-03	1.02E+01	1.85E-01	1.75E+00	6.27E-05	-1.62E-01	-1.25E-05	7.03E-01	1.21E-04	3.15E-01	1.50E-05	1.15E+00	3.12E-05
9	367070	756103	Recreational	3.76E+00	8.00E-03	2.60E+00	1.04E+00	2.22E+00	1.71E-03	1.15E+01	2.09E-01	1.94E+00	6.92E-05	-1.56E-01	-1.20E-05	7.78E-01	1.34E-04	3.45E-01	1.64E-05	1.13E+00	3.06E-05
10	367032	756191	Recreational	3.49E+00	7.43E-03	2.43E+00	9.71E-01	2.30E+00	1.77E-03	1.07E+01	1.94E-01	1.82E+00	6.49E-05	-1.51E-01	-1.16E-05	7.28E-01	1.25E-04	3.31E-01	1.58E-05	1.38E+00	3.73E-05
11	366993	756279	Recreational	2.87E+00	6.10E-03	2.08E+00	8.33E-01	2.06E+00	1.59E-03	8.91E+00	1.62E-01	1.56E+00	5.59E-05	-1.55E-01	-1.19E-05	6.26E-01	1.08E-04	2.87E-01	1.37E-05	1.26E+00	3.41E-05
12	366954	756367	Recreational	2.38E+00	5.06E-03	1.74E+00	6.96E-01	1.53E+00	1.18E-03	7.38E+00	1.34E-01	1.30E+00	4.65E-05	-1.33E-01	-1.02E-05	5.23E-01	9.02E-05	2.33E-01	1.11E-05	7.56E-01	2.04E-05
13	366916	756456	Recreational	2.52E+00	5.36E-03	1.74E+00	6.97E-01	1.71E+00	1.31E-03	7.70E+00	1.40E-01	1.31E+00	4.67E-05	-1.05E-01	-8.12E-06	5.23E-01	9.01E-05	2.40E-01	1.14E-05	1.05E+00	2.85E-05
14	366877	756544	Recreational	1.65E+00	3.50E-03	1.26E+00	5.03E-01	9.88E-01	7.60E-04	5.17E+00	9.40E-02	9.39E-01	3.35E-05	-1.11E-01	-8.54E-06	3.79E-01	6.53E-05	1.63E-01	7.78E-06	3.33E-01	9.01E-06
15	366839	756632	Recreational	1.56E+00	3.31E-03	1.27E+00	5.07E-01	8.30E-01	6.39E-04	4.98E+00	9.06E-02	9.43E-01	3.37E-05	-1.33E-01	-1.02E-05	3.83E-01	6.60E-05	1.58E-01	7.54E-06	6.82E-02	1.84E-06
16	366800	756720	Recreational	1.75E+00	3.73E-03	1.42E+00	5.67E-01	2.94E-01	2.27E-04	5.53E+00	1.00E-01	1.04E+00	3.70E-05	-1.46E-01	-1.12E-05	4.27E-01	7.37E-05	1.52E-01	7.23E-06	-9.01E-01	-2.44E-05
17	366762	756809	Recreational	2.49E+00	5.31E-03	1.79E+00	7.14E-01	5.82E-01	4.48E-04	7.59E+00	1.38E-01	1.31E+00	4.67E-05	-1.26E-01	-9.70E-06	5.36E-01	9.24E-05	2.00E-01	9.50E-06	-7.32E-01	-1.98E-05
18	366723	756897	Recreational	2.60E+00	5.52E-03	1.93E+00	7.74E-01	8.71E-01	6.70E-04	8.03E+00	1.46E-01	1.42E+00	5.08E-05	-1.58E-01	-1.21E-05	5.81E-01	1.00E-04	2.26E-01	1.08E-05	-4.14E-01	-1.12E-05

Table 3-5B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Minimum Range
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m³)	acetaldehyde Acute Hazard	acrolein (µg/m³)	acrolein Acute Hazard	benzene (µg/m³)	benzene Acute Hazard	formaldehyde (µg/m³)	formaldehyde Acute Hazard	methyl alcohol (µg/m³)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m³)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m³)	phenol (carbolic acid) Acute Hazard	styrene (µg/m³)	styrene Acute Hazard	toluene (µg/m³)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
19	366685	756985	Recreational	2.27E+00	4.83E-03	1.82E+00	7.27E-01	6.51E-01	5.01E-04	7.17E+00	1.30E-01	1.34E+00	4.77E-05	-1.82E-01	-1.40E-05	5.48E-01	9.44E-05	2.06E-01	9.79E-06	-7.18E-01	-1.94E-05
20	366646	757074	Recreational	1.94E+00	4.14E-03	1.62E+00	6.46E-01	3.69E-01	2.84E-04	6.18E+00	1.12E-01	1.18E+00	4.23E-05	-1.78E-01	-1.37E-05	4.88E-01	8.42E-05	1.74E-01	8.30E-06	-1.01E+00	-2.74E-05
21	366607	757162	Recreational	1.49E+00	3.17E-03	1.30E+00	5.20E-01	2.45E-01	1.88E-04	4.82E+00	8.76E-02	9.52E-01	3.40E-05	-1.58E-01	-1.21E-05	3.94E-01	6.79E-05	1.38E-01	6.58E-06	-9.21E-01	-2.49E-05
22	366569	757250	Recreational	1.05E+00	2.24E-03	9.67E-01	3.87E-01	1.21E-01	9.31E-05	3.45E+00	6.28E-02	7.07E-01	2.52E-05	-1.29E-01	-9.91E-06	2.93E-01	5.06E-05	1.00E-01	4.77E-06	-8.00E-01	-2.16E-05
23	366530	757338	Recreational	1.03E+00	2.19E-03	9.36E-01	3.74E-01	1.01E-01	7.74E-05	3.37E+00	6.12E-02	6.84E-01	2.44E-05	-1.23E-01	-9.43E-06	2.84E-01	4.90E-05	9.65E-02	4.59E-06	-7.94E-01	-2.15E-05
24	366492	757427	Recreational	1.36E+00	2.90E-03	1.13E+00	4.50E-01	6.19E-01	4.76E-04	4.36E+00	7.93E-02	8.35E-01	2.98E-05	-1.22E-01	-9.40E-06	3.40E-01	5.87E-05	1.36E-01	6.46E-06	-1.52E-01	-4.11E-06
25	366453	757515	Recreational	1.80E+00	3.82E-03	1.36E+00	5.46E-01	1.24E+00	9.54E-04	5.65E+00	1.03E-01	1.02E+00	3.65E-05	-1.18E-01	-9.10E-06	4.11E-01	7.09E-05	1.84E-01	8.76E-06	6.19E-01	1.67E-05
26	366415	757603	Recreational	2.53E+00	5.39E-03	1.73E+00	6.92E-01	1.95E+00	1.50E-03	7.74E+00	1.41E-01	1.30E+00	4.66E-05	-9.83E-02	-7.56E-06	5.19E-01	8.94E-05	2.48E-01	1.18E-05	1.45E+00	3.92E-05
27	366376	757692	Recreational	2.70E+00	5.76E-03	1.85E+00	7.39E-01	2.21E+00	1.70E-03	8.28E+00	1.51E-01	1.40E+00	4.99E-05	-1.05E-01	-8.07E-06	5.54E-01	9.55E-05	2.70E-01	1.29E-05	1.75E+00	4.72E-05
84	369336	758100	Recreational	1.12E+00	2.38E-03	1.26E+00	5.04E-01	-1.63E+00	-1.26E-03	3.82E+00	6.94E-02	8.71E-01	3.11E-05	-2.19E-01	-1.69E-05	3.82E-01	6.58E-05	6.05E-02	2.88E-06	-3.75E+00	-1.01E-04
85	369269	758170	Recreational	6.07E-01	1.29E-03	9.94E-01	3.98E-01	-2.08E+00	-1.60E-03	2.35E+00	4.28E-02	6.69E-01	2.39E-05	-2.29E-01	-1.76E-05	3.04E-01	5.23E-05	1.64E-02	7.83E-07	-4.24E+00	-1.15E-04
86	369202	758239	Recreational	8.36E-01	1.78E-03	1.03E+00	4.10E-01	-8.24E-01	-6.34E-04	3.00E+00	5.45E-02	7.25E-01	2.59E-05	-1.94E-01	-1.49E-05	3.12E-01	5.38E-05	6.92E-02	3.30E-06	-2.31E+00	-6.24E-05
87	369264	758285	Recreational	5.87E-01	1.25E-03	9.61E-01	3.84E-01	-2.08E+00	-1.60E-03	2.28E+00	4.14E-02	6.45E-01	2.30E-05	-2.21E-01	-1.70E-05	2.93E-01	5.05E-05	1.35E-02	6.44E-07	-4.17E+00	-1.13E-04
88	369326	758330	Recreational	1.27E+00	2.69E-03	1.28E+00	5.11E-01	-1.11E+00	-8.55E-04	4.21E+00	7.65E-02	8.98E-01	3.21E-05	-1.96E-01	-1.50E-05	3.86E-01	6.66E-05	8.31E-02	3.96E-06	-2.91E+00	-7.86E-05
89	369389	758376	Recreational	1.63E+00	3.47E-03	1.47E+00	5.87E-01	-6.89E-01	-5.30E-04	5.26E+00	9.56E-02	1.04E+00	3.73E-05	-1.88E-01	-1.45E-05	4.42E-01	7.62E-05	1.18E-01	5.64E-06	-2.41E+00	-6.52E-05
90	369389	758462	Recreational	1.56E+00	3.31E-03	1.42E+00	5.68E-01	-7.38E-01	-5.68E-04	5.04E+00	9.15E-02	1.01E+00	3.61E-05	-1.87E-01	-1.44E-05	4.28E-01	7.39E-05	1.12E-01	5.33E-06	-2.46E+00	-6.64E-05
91	369389	758548	Recreational	1.44E+00	3.05E-03	1.35E+00	5.42E-01	-6.43E-01	-4.94E-04	4.71E+00	8.55E-02	9.66E-01	3.45E-05	-1.88E-01	-1.45E-05	4.09E-01	7.05E-05	1.09E-01	5.19E-06	-2.26E+00	-6.12E-05
28	366338	757780	Residential	2.75E+00	5.84E-03	1.88E+00	7.51E-01	2.37E+00	1.83E-03	8.41E+00	1.53E-01	1.42E+00	5.08E-05	-1.07E-01	-8.25E-06	5.63E-01	9.71E-05	2.79E-01	1.33E-05	1.96E+00	5.28E-05
29	366402	757746	Residential	2.81E+00	5.98E-03	1.92E+00	7.67E-01	2.38E+00	1.83E-03	8.60E+00	1.56E-01	1.45E+00	5.18E-05	-1.08E-01	-8.31E-06	5.75E-01	9.91E-05	2.84E-01	1.35E-05	1.95E+00	5.26E-05
30	366467	757713	Residential	2.87E+00	6.10E-03	1.95E+00	7.81E-01	2.40E+00	1.85E-03	8.78E+00	1.60E-01	1.48E+00	5.28E-05	-1.09E-01	-8.38E-06	5.85E-01	1.01E-04	2.88E-01	1.37E-05	1.95E+00	5.26E-05
31	366531	757679	Residential	2.92E+00	6.20E-03	1.98E+00	7.93E-01	2.41E+00	1.86E-03	8.91E+00	1.62E-01	1.50E+00	5.35E-05	-1.10E-01	-8.45E-06	5.94E-01	1.02E-04	2.92E-01	1.39E-05	1.95E+00	5.26E-05
32	366567	757773	Residential	2.94E+00	6.25E-03	2.01E+00	8.05E-01	2.57E+00	1.98E-03	9.01E+00	1.64E-01	1.53E+00	5.45E-05	-1.16E-01	-8.91E-06	6.03E-01	1.04E-04	3.00E-01	1.43E-05	2.13E+00	5.77E-05
33	366625	757758	Residential	2.99E+00	6.36E-03	2.04E+00	8.17E-01	2.61E+00	2.01E-03	9.17E+00	1.67E-01	1.55E+00	5.53E-05	-1.16E-01	-8.91E-06	6.12E-01	1.06E-04	3.05E-01	1.45E-05	2.18E+00	5.89E-05
34	366682	757744	Residential	3.04E+00	6.48E-03	2.07E+00	8.30E-01	2.66E+00	2.05E-03	9.32E+00	1.69E-01	1.57E+00	5.62E-05	-1.16E-01	-8.94E-06	6.22E-01	1.07E-04	3.10E-01	1.48E-05	2.23E+00	6.02E-05
35	366768	757788	Residential	2.87E+00	6.10E-03	2.03E+00	8.12E-01	2.61E+00	2.00E-03	8.90E+00	1.62E-01	1.54E+00	5.50E-05	-1.36E-01	-1.05E-05	6.09E-01	1.05E-04	3.04E-01	1.45E-05	2.17E+00	5.88E-05
36	366854	757833	Residential	2.59E+00	5.52E-03	1.92E+00	7.69E-01	2.43E+00	1.87E-03	8.16E+00	1.48E-01	1.46E+00	5.21E-05	-1.53E-01	-1.18E-05	5.78E-01	9.97E-05	2.86E-01	1.36E-05	1.96E+00	5.30E-05
37	366941	757877	Residential	2.38E+00	5.06E-03	1.79E+00	7.16E-01	2.09E+00	1.61E-03	7.49E+00	1.36E-01	1.35E+00	4.84E-05	-1.51E-01	-1.16E-05	5.39E-01	9.29E-05	2.60E-01	1.24E-05	1.53E+00	4.15E-05
38	367027	757922	Residential	2.23E+00	4.74E-03	1.67E+00	6.68E-01	1.73E+00	1.33E-03	6.99E+00	1.27E-01	1.26E+00	4.49E-05	-1.39E-01	-1.07E-05	5.02E-01	8.66E-05	2.33E-01	1.11E-05	1.09E+00	2.96E-05
39	367113	757966	Residential	2.21E+00	4.71E-03	1.61E+00	6.43E-01	1.42E+00	1.09E-03	6.86E+00	1.25E-01	1.20E+00	4.29E-05	-1.20E-01	-9.20E-06	4.83E-01	8.33E-05	2.15E-01	1.02E-05	7.12E-01	1.92E-05
40	367192	757916	Residential	2.24E+00	4.77E-03	1.65E+00	6.62E-01	1.50E+00	1.15E-03	6.98E+00	1.27E-01	1.24E+00	4.42E-05	-1.30E-01	-1.00E-05	4.97E-01	8.58E-05	2.23E-01	1.06E-05	7.68E-01	2.08E-05
41	367264	757916	Residential	2.26E+00	4.81E-03	1.66E+00	6.65E-01	1.38E+00	1.06E-03	7.02E+00	1.28E-01	1.24E+00	4.43E-05	-1.29E-01	-9.96E-06	5.00E-01	8.61E-05	2.19E-01	1.04E-05	5.92E-01	1.60E-05
42	367335	757916	Residential	2.30E+00	4.89E-03	1.68E+00	6.73E-01	1.27E+00	9.78E-04	7.11E+00	1.29E-01	1.25E+00	4.47E-05	-1.29E-01	-9.94E-06	5.05E-01	8.71E-05	2.17E-01	1.03E-05	4.21E-01	1.14E-05
43	367343	757966	Residential	2.32E+00	4.94E-03	1.70E+00	6.81E-01	1.10E+00	8.45E-04	7.18E+00	1.31E-01	1.26E+00	4.50E-05	-1.31E-01	-1.01E-05	5.11E-01	8.80E-05	2.12E-01	1.01E-05	1.63E-01	4.41E-06
44	367404	757995	Residential	2.12E+00	4.52E-03	1.62E+00	6.48E-01	7.87E-01	6.05E-04	6.63E+00	1.21E-01	1.19E+00	4.26E-05	-1.42E-01	-1.09E-05	4.87E-01	8.39E-05	1.92E-01	9.12E-06	-2.55E-01	-6.88E-06
45	367465	758024	Residential	1.57E+00	3.34E-03	1.36E+00	5.44E-01	2.66E-01	2.05E-04	5.08E+00	9.24E-02	9.94E-01	3.55E-05	-1.62E-01	-1.25E-05	4.10E-01	7.08E-05	1.45E-01	6.92E-06	-8.80E-01	-2.38E-05
55	367673	758189	Residential	2.41E-01	5.12E-04	6.89E-01	2.76E-01	-8.93E-01	-6.87E-04	1.30E+00	2.36E-02	4.83E-01	1.72E-05	-1.95E-01	-1.50E-05	2.13E-01	3.67E-05	3.30E-02	1.57E-06	-2.17E+00	-5.88E-05
59	367816	758096	Residential	1.17E-01	2.49E-04	6.36E-01	2.54E-01	-9.38E-01	-7.22E-04	9.62E-01	1.75E-02	4.43E-01	1.58E-05	-2.01E-01	-1.55E-05	1.98E-01	3.41E-05	2.59E-02	1.23E-06	-2.22E+00	-6.00E-05
60	367898	758066	Residential	1.47E-01	3.12E-04	6.90E-01	2.76E-01	-9.70E-01	-7.46E-04	1.10E+00	1.99E-02	4.82E-01	1.72E-05	-2.15E-01	-1.65E-05	2.14E-01	3.69E-05	3.01E-02	1.43E-06	-2.31E+00	-6.26E-05
61	367980	758035	Residential	1.35E-01	2.88E-04	7.25E-01	2.90E-01	-1.06E+00	-8.18E-04	1.11E+00	2.02E-02	5.05E-01	1.80E-05	-2.29E-01	-1.76E-05	2.25E-01	3.87E-05	2.99E-02	1.42E-06	-2.49E+00	-6.73E-05
62	368062	758005	Residential	2.49E-01	5.30E-04	8.29E-01	3.32E-01	-1.08E+00	-8.33E-04	1.48E+00	2.70E-02	5.80E-01	2.07E-05	-2.43E-01	-1.87E-05	2.56E-01	4.42E-05	3.96E-02	1.88E-06	-2.61E+00	-7.05E-05
63	368144	757975	Residential	4.19E-01	8.91E-04	9.75E-01	3.90E-01	-1.16E+00	-8.94E-04	2.02E+00	3.68E-02	6.83E-01	2.44E-05	-2.60E-01	-2.00E-05	3.00E-01	5.17E-05	5.09E-02	2.42E-06	-2.85E+00	-7.71E-05
64	368226	757945	Residential	4.40E-01	9.37E-04	1.04E+00	4.16E-01	-1.22E+00	-9.37E-04	2.15E+00	3.91E-02	7.30E-01	2.61E-05	-2.79E-01	-2.15E-05	3.20E-01	5.51E-05	5.53E-02	2.63E-06	-3.00E+00	-8.11E-05
65	368301	757943	Residential	8.66E-01	1.84E-03	1.32E+00	5.30E-01	-1.04E+00	-8.00E-04	3.43E+00	6.25E-02	9.40E-01	3.36E-05	-2.93E-01	-2.25E-05	4.04E-01	6.97E-05	9.06E-02	4.31E-06	-2.96E+00	-8.00E-05
66	368376	757941	Residential	1.29E+00	2.74E-03	1.53E+00	6.11E-01	-6.68E-01	-5.14E-04	4.62E+00	8.39E-02	1.09E+00	3.91E-05	-2.79E-01	-2.15E-05	4.64E-01	8.00E-05	1.25E-01	5.96E-06	-2.54E+00	-6.86E-05
67	368452	757940	Residential	1.49E+00	3.17E-03	1.59E+00	6.36E-01	-9.33E-02	-7.17E-05	5.18E+00	9.42E-02	1.15E+00	4.12E-05	-2.60E-01	-2.00E-05	4.82E-01	8.31E-05	1.54E-01	7.34E-06	-1.69E+00	-4.58E-05
68	368527	757938	Residential	2.27E+00	4.83E-03	2.01E+00	8.03E-01	7.35E-01	5.66E-04	7.44E+00	1.35E-01	1.48E+00	5.27E-05	-2.49E-01	-1.91E-05	6.06E-01	1.04E-04	2.28E-01	1.09E-05	-7.50E-01	-2.03E-05
69	368563	757880	Residential	2.59E+00	5.51E-03	2.23E+00	8.91E-01	6.12E-01	4.71E-04	8.38E+00	1.52E-01	1.63E+00	5.83E-05	-2.63E-01	-2.03E-05	6.72E-01	1.16E-04	2.45E-01	1.17E-05	-1.12E+00	-3.04E-05
70	368636	757926	Residential	1.44E+00	3.06E-03	1.59E+00	6.37E-01	5.40E-01	4.15E-04	5.13E+00	9.33E-02	1.18E+00	4.20E-05	-2.72E-01	-2.09E-05	4.84E-01	8.35E-05	1.79E-01	8.54E-06	-7.60E-01	-2.06E-05
71	368709	757971	Residential	3.45E-01	7.34E-04	7.46E-01	2.98E-01	4.28E-01	3.29E-04	1.72E+00	3.13E-02	5.61E-01	2.00E-05	-1.94E-01	-1.49E-05	2.30E-01	3.97E-05	9.08E-02	4.32E-06	-1.94E-01	-5.24E-06
72	368782	758017	Residential	-1.16E+00	-2.47E-03	-6.68E-02	-2.67E-02	-1.15E+00	-8.85E-04	-2.65E+00	-4.82E-02	-6.66E-02	-2.38E-06	-2.12E-01	-1.63E-05	-1.06E-02	-1.82E-06	-5.20E-02	-2.48E-06	-1.98E+00	-5.35E-05
73	368855	758062	Residential	-1.19E+00	-2.52E-03	-9.75E-03	-3.90E-03	-1.57E+00	-1.20E-03	-2.65E+00	-4.83E-02	-3.66E-02	-1.31E-06	-2.37E-01	-1.82E-05	6.51E-03	1.12E-06	-6.25E-02	-2.98E-06	-2.65E+00	-7.16E-05
74	368928	758108	Residential	1.43E-01	3.03E-04	8.52E-01	3.41E-01	-2.53E+00	-1.95E-03	1.15E+00	2.10E-02	5.56E-01	1.99E-05	-2.73E-01	-2.10E-05	2.63E-01	4.53E-05	-1.53E-02	-7.30E-07	-4.85E+00	-1.31E-04
75	369001	758153	Residential	2.87E+00	6.11E-03	2.35E+00	9.41E-01	-7.25E-01	-5.57E-04	9.00E+00	1.64E-01	1.68E+00	6.01E-05	-2.50E-01	-1.92E-05	7.07E-01	1.22E-04	2.05E-01	9.75E-06	-3.25E+00	-8.78E-05
76	369058	758074	Residential	3.18E+00	6.76E-03	2.54E+00	1.01E+00	-5.62E-01	-4.32E-04	9.90E+00	1.80E-01	1.82E+00	6.50E-05	-2.54E-01	-1.95E-05	7.62E-01	1.31E-04	2.29E-01	1.09E-05	-3.15E+00	-8.51E-05
77	369102	758103	Residential	3.09E+00	6.58E-03	2.32E+00	9.27E-01	5.42E-01	4.17E-04	9.55E+00	1.74E-01	1.69E+00	6.04E-05	-1.93E-01	-1.48E-05	6.95E-01	1.20E-04	2.51E-01	1.20E-05	-1.23E+00	-3.32E-05
78	369145	758132	Residential	2.14E+00	4.56E-03	1.75E+00	7.00E-01	1.64E-01	1.26E-04	6.78E+00	1.23E-01	1.27E+00	4.55E-05	-1.85E-01	-1.42E-05	5.27E-01	9.08E-05	1.80E-01	8.57E-06	-1.36E+00	-3.67E-05
79	369200	758065	Residential	2.02E+00	4.30E-03	1.71E+00	6.83E-01	9.58E-02	7.37E-05	6.46E+00	1.17E-01	1.24E+00	4.43E-05	-1.95E-01	-1.50E-05	5.15E-01	8.87E-05	1.73E-01	8.25E-06	-1.44E+00	-3.88E-05
80	369255	757998	Residential	1.73E+00	3.68E-03	1.59E+00	6.37E-01	-2.46E-01	-1.89E-04	5.67E+00	1.03E-01	1.15E+00	4.11E-05	-2.12E-01	-1.63E-05	4.81E-01	8.29E-05	1.48E-01	7.06E-06	-1.88E+00	-5.09E-05
81	369310	757931	Residential	1.21E+00	2.58E-03	1.40E+00	5.60E-01	-1.09E+00	-8.41E-04	4.25E+00	7.72E-02	9.90E-01	3.53E-05	-2.50E-01	-1.92E-05	4.25E-01	7.33E-05	9.58E-02	4.56E-06	-3.06E+00	-8.28E-05
82	369356	757981	Residential	1.31E+00	2.79E-03	1.40E+00	5.60E-01	-1.68E+00	-1.29E-03	4.40E+00	8.00E-02	9.72E-01	3.47E-05	-2.30E-01	-1.77E-05	4.24E-01	7.31E-05	7.25E-02	3.45E-06	-3.95E+00	-1.07E-04
83	369403	758031	Residential	1.97E+00	4.18E-03	1.69E+00	6.77E-01	-1.92E-01	-1.47E-04	6.30E+00	1.15E-01	1.22E+00	4.36E-05	-2.00E-01	-1.54E-05	5.10E-01	8.79E-05	1.60E-01	7.63E-06	-1.86E+00	-5.04E-05
92	369389	758634	Residential	1.34E+00	2.86E-03	1.31E+00	5.22E-01	-5.43E-01	-4.18E-04	4.46E+00	8.10E-02	9.34E-01	3.33E-05	-1.90E-01	-1.46E-05	3.95E-01	6.81E-05	1.08E-01	5.15E-06	-2.08E+00	-5.61E-05
93	369469	758630	Residential	1.36E+00	2.89E-03	1.30E+00	5.21E-01	-8.27E-01	-6.36E-04	4.45E+00	8.09E-02	9.23E-01	3.30E-05	-1.86E-01	-1.43E-05	3.93E-01	6.78E-05	9.65E-02	4.60E-06	-2.51E+00	-6.78E-05
94	369549	758625	Residential	1.84E+00	3.91E-03	1.54E+00	6.17E-01	-5.06E-01	-3.90E-04	5.80E+00	1.05E-01	1.10E+00	3.94E-05	-1.73E-01	-1.33E-05	4.64E-01	8.00E-05	1.33E-01	6.33E-06	-2.21E+00	-5.96E-05
95	369630	758621	Residential	2.45E+00	5.21E-03	1.86E+00	7.45E-01	6.44E-01	4.96E-04	7.62E+00	1.38E-01	1.37E+00	4.88E-05	-1.62E-01	-1.24E-05	5.59E-01	9.64E-05	2.10E-01	1.00E-05	-6.98E-01	-1.89E-05

Table 3-5B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Minimum Range
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m³)	acetaldehyde Acute Hazard	acrolein (µg/m³)	acrolein Acute Hazard	benzene (µg/m³)	benzene Acute Hazard	formaldehyde (µg/m³)	formaldehyde Acute Hazard	methyl alcohol (µg/m³)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m³)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m³)	phenol (carbolic acid) Acute Hazard	styrene (µg/m³)	styrene Acute Hazard	toluene (µg/m³)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
96	369710	758617	Residential	2.55E+00	5.43E-03	1.90E+00	7.60E-01	9.55E-01	7.35E-04	7.91E+00	1.44E-01	1.40E+00	5.00E-05	-1.55E-01	-1.19E-05	5.70E-01	9.83E-05	2.26E-01	1.08E-05	-2.38E-01	-6.44E-06
97	369791	758613	Residential	2.19E+00	4.66E-03	1.72E+00	6.87E-01	-1.86E-02	-1.43E-05	6.82E+00	1.24E-01	1.24E+00	4.44E-05	-1.63E-01	-1.26E-05	5.16E-01	8.89E-05	1.70E-01	8.08E-06	-1.56E+00	-4.22E-05
98	369791	758514	Residential	2.33E+00	4.95E-03	1.79E+00	7.15E-01	2.72E-01	2.09E-04	7.22E+00	1.31E-01	1.30E+00	4.64E-05	-1.60E-01	-1.23E-05	5.37E-01	9.25E-05	1.88E-01	8.94E-06	-1.19E+00	-3.23E-05
99	369791	758416	Residential	2.42E+00	5.15E-03	1.83E+00	7.33E-01	5.50E-01	4.23E-04	7.51E+00	1.37E-01	1.34E+00	4.79E-05	-1.57E-01	-1.21E-05	5.50E-01	9.49E-05	2.03E-01	9.68E-06	-8.11E-01	-2.19E-05
100	369791	758318	Residential	2.47E+00	5.26E-03	1.86E+00	7.45E-01	7.67E-01	5.90E-04	7.68E+00	1.40E-01	1.37E+00	4.89E-05	-1.57E-01	-1.21E-05	5.59E-01	9.64E-05	2.15E-01	1.02E-05	-4.96E-01	-1.34E-05
101	369881	758318	Residential	2.07E+00	4.41E-03	1.64E+00	6.55E-01	4.34E-01	3.34E-04	6.51E+00	1.18E-01	1.20E+00	4.28E-05	-1.59E-01	-1.23E-05	4.93E-01	8.50E-05	1.79E-01	8.55E-06	-8.36E-01	-2.26E-05
102	369972	758318	Residential	1.67E+00	3.55E-03	1.46E+00	5.85E-01	2.21E-01	1.70E-04	5.42E+00	9.85E-02	1.07E+00	3.81E-05	-1.79E-01	-1.38E-05	4.41E-01	7.60E-05	1.54E-01	7.32E-06	-1.02E+00	-2.77E-05
103	370062	758318	Residential	1.03E+00	2.20E-03	1.20E+00	4.80E-01	-1.10E+00	-8.45E-04	3.62E+00	6.59E-02	8.43E-01	3.01E-05	-2.15E-01	-1.65E-05	3.64E-01	6.27E-05	7.59E-02	3.61E-06	-2.85E+00	-7.70E-05
104	370153	758318	Residential	1.09E+00	2.33E-03	1.26E+00	5.06E-01	-1.54E+00	-1.18E-03	3.78E+00	6.88E-02	8.78E-01	3.14E-05	-2.26E-01	-1.74E-05	3.83E-01	6.61E-05	6.48E-02	3.09E-06	-3.60E+00	-9.73E-05
105	370243	758318	Residential	1.39E+00	2.97E-03	1.50E+00	6.01E-01	-6.73E-01	-5.18E-04	4.82E+00	8.76E-02	1.07E+00	3.83E-05	-2.48E-01	-1.91E-05	4.55E-01	7.84E-05	1.23E-01	5.84E-06	-2.46E+00	-6.66E-05
111	370408	758347	Residential	1.99E+00	4.23E-03	1.80E+00	7.20E-01	-2.58E-01	-1.98E-04	6.48E+00	1.18E-01	1.30E+00	4.64E-05	-2.34E-01	-1.80E-05	5.43E-01	9.37E-05	1.68E-01	8.02E-06	-2.08E+00	-5.62E-05
112	370490	758344	Residential	1.72E+00	3.67E-03	1.66E+00	6.65E-01	-7.15E-01	-5.50E-04	5.70E+00	1.04E-01	1.19E+00	4.24E-05	-2.38E-01	-1.83E-05	5.02E-01	8.66E-05	1.37E-01	6.50E-06	-2.68E+00	-7.25E-05
113	370572	758341	Residential	1.90E+00	4.04E-03	1.79E+00	7.16E-01	-8.84E-01	-6.80E-04	6.22E+00	1.13E-01	1.27E+00	4.55E-05	-2.48E-01	-1.91E-05	5.40E-01	9.32E-05	1.43E-01	6.80E-06	-3.04E+00	-8.22E-05
114	370654	758338	Residential	9.07E-01	1.93E-03	1.36E+00	5.42E-01	-1.81E+00	-1.39E-03	3.49E+00	6.34E-02	9.40E-01	3.36E-05	-2.96E-01	-2.28E-05	4.13E-01	7.12E-05	6.35E-02	3.03E-06	-4.14E+00	-1.12E-04
115	370735	758335	Residential	1.13E+00	2.41E-03	1.37E+00	5.49E-01	-3.42E-01	-2.63E-04	4.12E+00	7.49E-02	9.91E-01	3.54E-05	-2.55E-01	-1.97E-05	4.18E-01	7.20E-05	1.23E-01	5.84E-06	-1.92E+00	-5.18E-05
116	370817	758333	Residential	1.47E+00	3.13E-03	1.54E+00	6.16E-01	-2.38E-01	-1.83E-04	5.06E+00	9.20E-02	1.11E+00	3.98E-05	-2.47E-01	-1.90E-05	4.67E-01	8.05E-05	1.44E-01	6.83E-06	-1.86E+00	-5.01E-05
130	371183	758027	Residential	1.84E+00	3.92E-03	1.67E+00	6.70E-01	-3.10E-01	-2.39E-04	6.00E+00	1.09E-01	1.21E+00	4.31E-05	-2.19E-01	-1.68E-05	5.06E-01	8.73E-05	1.54E-01	7.32E-06	-2.09E+00	-5.65E-05
131	371248	758024	Residential	2.19E+00	4.67E-03	2.00E+00	7.99E-01	-3.85E-01	-2.96E-04	7.16E+00	1.30E-01	1.44E+00	5.14E-05	-2.61E-01	-2.01E-05	6.03E-01	1.04E-04	1.83E-01	8.71E-06	-2.46E+00	-6.66E-05
132	371326	758075	Residential	2.19E+00	4.67E-03	1.95E+00	7.81E-01	-3.39E-01	-2.61E-04	7.10E+00	1.29E-01	1.41E+00	5.03E-05	-2.46E-01	-1.89E-05	5.89E-01	1.02E-04	1.80E-01	8.58E-06	-2.36E+00	-6.38E-05
133	371404	758127	Residential	2.18E+00	4.65E-03	1.86E+00	7.45E-01	-2.49E-01	-1.91E-04	6.96E+00	1.26E-01	1.34E+00	4.80E-05	-2.16E-01	-1.66E-05	5.62E-01	9.69E-05	1.75E-01	8.31E-06	-2.15E+00	-5.82E-05
134	371481	758178	Residential	2.20E+00	4.69E-03	1.82E+00	7.30E-01	-1.38E-01	-1.06E-04	6.96E+00	1.26E-01	1.32E+00	4.71E-05	-1.99E-01	-1.53E-05	5.50E-01	9.49E-05	1.75E-01	8.34E-06	-1.95E+00	-5.27E-05
135	371559	758230	Residential	2.20E+00	4.67E-03	1.84E+00	7.37E-01	5.76E-02	4.43E-05	6.99E+00	1.27E-01	1.34E+00	4.78E-05	-2.07E-01	-1.59E-05	5.56E-01	9.58E-05	1.85E-01	8.80E-06	-1.65E+00	-4.47E-05
136	371637	758281	Residential	2.15E+00	4.58E-03	1.77E+00	7.07E-01	1.20E-01	9.23E-05	6.80E+00	1.24E-01	1.29E+00	4.59E-05	-1.90E-01	-1.46E-05	5.33E-01	9.20E-05	1.80E-01	8.56E-06	-1.49E+00	-4.04E-05
137	371715	758333	Residential	2.01E+00	4.29E-03	1.72E+00	6.90E-01	1.90E-01	1.46E-04	6.47E+00	1.18E-01	1.26E+00	4.49E-05	-2.02E-01	-1.55E-05	5.20E-01	8.97E-05	1.78E-01	8.49E-06	-1.34E+00	-3.62E-05
138	371769	758261	Residential	2.77E+00	5.89E-03	2.24E+00	8.96E-01	1.13E+00	8.68E-04	8.83E+00	1.61E-01	1.65E+00	5.91E-05	-2.31E-01	-1.78E-05	6.73E-01	1.16E-04	2.67E-01	1.27E-05	-2.84E-01	-7.68E-06
139	371822	758189	Residential	3.16E+00	6.72E-03	2.56E+00	1.02E+00	2.24E+00	1.73E-03	1.02E+01	1.85E-01	1.91E+00	6.83E-05	-2.63E-01	-2.02E-05	7.68E-01	1.32E-04	3.43E-01	1.63E-05	1.21E+00	3.28E-05
140	371894	758160	Residential	1.63E+00	3.48E-03	2.26E+00	9.05E-01	1.36E+00	1.04E-03	6.58E+00	1.20E-01	1.69E+00	6.02E-05	-4.68E-01	-3.60E-05	6.86E-01	1.18E-04	2.80E-01	1.33E-05	3.59E-02	9.70E-07
141	371894	758081	Residential	1.03E+00	2.20E-03	2.13E+00	8.54E-01	4.28E-01	3.29E-04	5.07E+00	9.22E-02	1.57E+00	5.61E-05	-5.44E-01	-4.18E-05	6.50E-01	1.12E-04	2.31E-01	1.10E-05	-1.32E+00	-3.58E-05
142	371959	758074	Residential	1.27E+00	2.70E-03	2.03E+00	8.14E-01	4.25E-02	3.27E-05	5.37E+00	9.77E-02	1.49E+00	5.31E-05	-4.61E-01	-3.55E-05	6.18E-01	1.07E-04	2.05E-01	9.77E-06	-1.84E+00	-4.97E-05
155	372055	757363	Residential	5.89E-01	1.25E-03	1.45E+00	5.80E-01	-4.03E-01	-3.10E-04	3.10E+00	5.64E-02	1.05E+00	3.76E-05	-3.93E-01	-3.02E-05	4.44E-01	7.66E-05	1.29E-01	6.13E-06	-2.11E+00	-5.71E-05
297	370239	755427	Residential	2.30E+00	4.89E-03	1.81E+00	7.25E-01	1.83E+00	1.41E-03	7.35E+00	1.34E-01	1.36E+00	4.87E-05	-1.75E-01	-1.34E-05	5.45E-01	9.40E-05	2.52E-01	1.20E-05	1.15E+00	3.10E-05
298	370138	755427	Residential	4.68E+00	9.95E-03	3.01E+00	1.20E+00	2.50E+00	1.92E-03	1.40E+01	2.54E-01	2.24E+00	7.99E-05	-1.15E-01	-8.86E-06	8.97E-01	1.55E-04	3.97E-01	1.89E-05	1.31E+00	3.55E-05
299	370040	755427	Residential	5.88E+00	1.25E-02	3.97E+00	1.59E+00	-2.09E+00	-1.61E-03	1.73E+01	3.14E-01	2.80E+00	1.00E-04	-2.13E-01	-1.64E-05	1.18E+00	2.04E-04	3.11E-01	1.48E-05	-6.56E+00	-1.77E-04
300	369941	755426	Residential	5.54E+00	1.18E-02	3.58E+00	1.43E+00	9.25E-01	7.11E-04	1.64E+01	2.98E-01	2.60E+00	9.30E-05	-1.43E-01	-1.10E-05	1.07E+00	1.84E-04	3.91E-01	1.86E-05	-1.58E+00	-4.26E-05
301	369842	755426	Residential	1.40E+00	2.98E-03	1.52E+00	6.09E-01	-2.06E+00	-1.58E-03	4.71E+00	8.57E-02	1.05E+00	3.75E-05	-2.56E-01	-1.97E-05	4.61E-01	7.95E-05	7.01E-02	3.34E-06	-4.61E+00	-1.25E-04
304	369544	755434	Residential	2.88E+00	6.13E-03	2.37E+00	9.49E-01	-4.55E-01	-3.50E-04	9.08E+00	1.65E-01	1.70E+00	6.09E-05	-2.55E-01	-1.96E-05	7.13E-01	1.23E-04	2.17E-01	1.04E-05	-2.83E+00	-7.65E-05
305	369445	755434	Residential	2.67E+00	5.69E-03	2.22E+00	8.88E-01	-1.09E+00	-8.42E-04	8.38E+00	1.52E-01	1.58E+00	5.63E-05	-2.43E-01	-1.87E-05	6.67E-01	1.15E-04	1.77E-01	8.42E-06	-3.71E+00	-1.00E-04
306	369346	755434	Residential	3.51E+00	7.47E-03	2.86E+00	1.14E+00	-1.47E+00	-1.13E-03	1.09E+01	1.99E-01	2.03E+00	7.25E-05	-3.01E-01	-2.31E-05	8.60E-01	1.48E-04	2.26E-01	1.07E-05	-4.86E+00	-1.31E-04
310	368953	755441	Residential	2.25E+00	4.79E-03	2.10E+00	8.39E-01	-4.33E-01	-3.33E-04	7.40E+00	1.35E-01	1.51E+00	5.40E-05	-2.85E-01	-2.20E-05	6.33E-01	1.09E-04	1.91E-01	9.10E-06	-2.64E+00	-7.13E-05
311	368854	755441	Residential	3.10E+00	6.61E-03	2.45E+00	9.82E-01	7.95E-01	6.11E-04	9.78E+00	1.78E-01	1.80E+00	6.42E-05	-2.38E-01	-1.83E-05	7.37E-01	1.27E-04	2.75E-01	1.31E-05	-9.95E-01	-2.69E-05
312	368755	755441	Residential	3.59E+00	7.64E-03	2.62E+00	1.05E+00	2.02E+00	1.55E-03	1.11E+01	2.03E-01	1.95E+00	6.96E-05	-1.98E-01	-1.52E-05	7.85E-01	1.35E-04	3.40E-01	1.62E-05	8.03E-01	2.17E-05
313	368657	755441	Residential	3.29E+00	7.00E-03	2.45E+00	9.80E-01	1.93E+00	1.49E-03	1.03E+01	1.87E-01	1.83E+00	6.52E-05	-1.99E-01	-1.53E-05	7.35E-01	1.27E-04	3.19E-01	1.52E-05	8.09E-01	2.19E-05
314	368558	755440	Residential	2.92E+00	6.21E-03	2.24E+00	8.96E-01	4.86E-01	3.74E-04	9.09E+00	1.65E-01	1.63E+00	5.83E-05	-2.00E-01	-1.54E-05	6.72E-01	1.16E-04	2.41E-01	1.15E-05	-1.24E+00	-3.35E-05
315	368459	755440	Residential	2.25E+00	4.80E-03	1.92E+00	7.66E-01	-1.12E+00	-8.58E-04	7.11E+00	1.29E-01	1.36E+00	4.85E-05	-2.21E-01	-1.70E-05	5.76E-01	9.93E-05	1.46E-01	6.96E-06	-3.45E+00	-9.32E-05
316	368360	755440	Residential	2.44E+00	5.19E-03	1.97E+00	7.89E-01	-7.23E-01	-5.56E-04	7.61E+00	1.38E-01	1.41E+00	5.03E-05	-2.04E-01	-1.57E-05	5.93E-01	1.02E-04	1.67E-01	7.96E-06	-2.88E+00	-7.79E-05
317	368262	755439	Residential	2.72E+00	5.79E-03	2.13E+00	8.52E-01	3.54E-01	2.73E-04	8.52E+00	1.55E-01	1.55E+00	5.54E-05	-2.01E-01	-1.55E-05	6.40E-01	1.10E-04	2.25E-01	1.07E-05	-1.35E+00	-3.66E-05
318	368186	755427	Residential	2.98E+00	6.35E-03	2.25E+00	9.00E-01	8.29E-01	6.37E-04	9.27E+00	1.68E-01	1.65E+00	5.89E-05	-1.91E-01	-1.47E-05	6.75E-01	1.16E-04	2.56E-01	1.22E-05	-7.13E-01	-1.93E-05
319	368111	755414	Residential	3.29E+00	7.00E-03	2.38E+00	9.53E-01	1.26E+00	9.72E-04	1.01E+01	1.84E-01	1.76E+00	6.28E-05	-1.76E-01	-1.35E-05	7.14E-01	1.23E-04	2.86E-01	1.36E-05	-1.41E-01	-3.80E-06
46	367504	757948	School	2.31E+00	4.91E-03	1.74E+00	6.94E-01	8.32E-01	6.40E-04	7.18E+00	1.30E-01	1.28E+00	4.57E-05	-1.46E-01	-1.12E-05	5.21E-01	8.99E-05	2.05E-01	9.76E-06	-2.78E-01	-7.52E-06
47	367544	757873	School	2.45E+00	5.21E-03	1.83E+00	7.31E-01	1.04E+00	7.99E-04	7.60E+00	1.38E-01	1.35E+00	4.82E-05	-1.50E-01	-1.16E-05	5.49E-01	9.46E-05	2.22E-01	1.06E-05	-5.60E-02	-1.51E-06
48	367587	757909	School	2.43E+00	5.16E-03	1.82E+00	7.28E-01	8.43E-01	6.48E-04	7.53E+00	1.37E-01	1.34E+00	4.78E-05	-1.52E-01	-1.17E-05	5.46E-01	9.42E-05	2.14E-01	1.02E-05	-3.31E-01	-8.94E-06
49	367623	757866	School	2.53E+00	5.38E-03	1.89E+00	7.58E-01	9.14E-01	7.03E-04	7.85E+00	1.43E-01	1.40E+00	4.99E-05	-1.57E-01	-1.21E-05	5.69E-01	9.81E-05	2.24E-01	1.07E-05	-2.98E-01	-8.05E-06
50	367694	757866	School	2.56E+00	5.45E-03	1.93E+00	7.70E-01	8.23E-01	6.33E-04	7.96E+00	1.45E-01	1.42E+00	5.06E-05	-1.61E-01	-1.24E-05	5.78E-01	9.96E-05	2.23E-01	1.06E-05	-4.55E-01	-1.23E-05
51	367716	757927	School	1.76E+00	3.74E-03	1.52E+00	6.09E-01	6.86E-02	5.27E-05	5.66E+00	1.03E-01	1.11E+00	3.95E-05	-1.82E-01	-1.40E-05	4.59E-01	7.92E-05	1.54E-01	7.31E-06	-1.33E+00	-3.59E-05
52	367737	757988	School	6.96E-01	1.48E-03	9.50E-01	3.80E-01	-5.52E-01	-4.24E-04	2.62E+00	4.77E-02	6.80E-01	2.43E-05	-1.95E-01	-1.50E-05	2.91E-01	5.01E-05	7.23E-02	3.44E-06	-1.87E+00	-5.05E-05
53	367727	758067	School	-2.52E-01	-5.36E-04	4.15E-01	1.66E-01	-1.13E+00	-8.67E-04	-1.19E-01	-2.16E-03	2.79E-01	9.97E-06	-1.98E-01	-1.52E-05	1.32E-01	2.27E-05	-3.56E-03	-1.69E-07	-2.33E+00	-6.31E-05
54	367716	758146	School	1.13E-01	2.41E-04	6.07E-01	2.43E-01	-9.47E-01	-7.28E-04	9.15E-01	1.66E-02	4.22E-01	1.51E-05	-1.92E-01	-1.48E-05	1.89E-01	3.25E-05	2.26E-02	1.08E-06	-2.20E+00	-5.95E-05
56	367723	758254	School	7.17E-01	1.53E-03	9.94E-01	3.98E-01	-3.50E-01	-2.69E-04	2.76E+00	5.01E-02	7.16E-01	2.56E-05	-2.06E-01	-1.59E-05	3.03E-01	5.23E-05	8.48E-02	4.04E-06	-1.56E+00	-4.22E-05
57	367784	758221	School	6.88E-01	1.46E-03	9.97E-01	3.99E-01	-4.30E-01	-3.31E-04	2.69E+00	4.90E-02	7.17E-01	2.56E-05	-2.13E-01	-1.64E-05	3.04E-01	5.25E-05	8.20E-02	3.91E-06	-1.69E+00	-4.57E-05
58	367845	758189	School	6.72E-01	1.43E-03	1.01E+00	4.04E-01	-5.16E-01	-3.97E-04	2.67E+00	4.85E-02	7.23E-01	2.58E-05	-2.21E-01	-1.70E-05	3.08E-01	5.31E-05	7.98E-02	3.80E-06	-1.84E+00	-4.97E-05
106	370247	758254	School	1.43E+00	3.05E-03	1.56E+00	6.23E-01	-7.77E-01	-5.97E-04	4.96E+00	9.02E-02	1.11E+00	3.97E-05	-2.61E-01	-2.00E-05	4.72E-01	8.14E-05	1.24E-01	5.92E-06	-2.68E+00	-7.25E-05
107	370250	758189	School	1.48E+00	3.15E-03	1.62E+00	6.49E-01	-9.23E-01	-7.10E-04	5.12E+00	9.32E-02	1.16E+00	4.13E-05	-2.74E-01	-2.11E-05	4.91E-01	8.47E-05	1.25E-01	5.94E-06	-2.98E+00	-8.04E-05
108	370308	758196	School	1.83E+00	3.89E-03	1.80E+00	7.20E-01	-5.00E-01	-3.84E-04	6.13E+00	1.11E-01	1.29E+00	4.62E-05	-2.66E-01	-2.05E-05	5.44E-01	9.38E-05	1.59E-01	7.58E-06	-2.46E+00	-6.64E-05
109	370361	758236	School	1.78E+00	3.79E-03	1.74E+00	6.98E-01	-6.10E-01	-4.70E-04	5.94E+00	1.08E-01	1.25E+00	4.47E-05	-2.56E-01	-1.97E-05	5.28E-01	9.10E-05	1.49E-01	7.10E-06	-2.61E+00	-7.06E-05
110	370415	758275	School	2.04E+00	4.33E-03	1.87E+00	7.48E-01	-2.67E-01	-2.06E-04	6.67E+00	1.21E-01	1.35E+00	4.82E-05	-2.48E-01	-1.91E-05	5.64E-01	9.73E-05	1.75E-01	8.33E-06	-2.17E+00	-5.86E-05

Table 3-5B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Minimum Range
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde ($\mu g/m^3$)	acetaldehyde Acute Hazard	acrolein ($\mu g/m^3$)	acrolein Acute Hazard	benzene ($\mu g/m^3$)	benzene Acute Hazard	formaldehyde ($\mu g/m^3$)	formaldehyde Acute Hazard	methyl alcohol ($\mu g/m^3$)	methyl alcohol Acute Hazard	methyl ethyl ketone ($\mu g/m^3$)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) ($\mu g/m^3$)	phenol (carbolic acid) Acute Hazard	styrene ($\mu g/m^3$)	styrene Acute Hazard	toluene ($\mu g/m^3$)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
302	369741	755435	School	2.11E+00	4.49E-03	1.90E+00	7.60E-01	-2.13E+00	-1.63E-03	6.68E+00	1.21E-01	1.32E+00	4.71E-05	-2.45E-01	-1.88E-05	5.72E-01	9.87E-05	1.04E-01	4.98E-06	-5.04E+00	-1.36E-04
303	369643	755434	School	1.87E+00	3.99E-03	1.80E+00	7.21E-01	-1.79E+00	-1.38E-03	6.08E+00	1.11E-01	1.26E+00	4.50E-05	-2.58E-01	-1.98E-05	5.45E-01	9.39E-05	1.08E-01	5.13E-06	-4.49E+00	-1.21E-04

Note: Shaded cells indicate locations where concentrations were highest within each land use category.

Table 3-5B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Minimum Range
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m³)	xylene, total Acute Hazard	arsenic (µg/m³)	arsenic Acute Hazard	chlorine (µg/m³)	chlorine Acute Hazard	copper (µg/m³)	copper Acute Hazard	mercury (µg/m³)	mercury Acute Hazard	nickel (µg/m³)	nickel Acute Hazard	vanadium (µg/m³)	vanadium Acute Hazard	sulfates (µg/m³)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
117	370814	758243	Offsite Worker	-1.77E+00	-8.03E-05	-1.45E-03	-7.27E-03	-1.05E-01	-5.01E-04	-7.07E-03	-7.07E-05	-8.72E-03	-1.45E-02	-5.56E-03	-9.27E-04	-8.43E-03	-2.81E-04	-5.10E+00	-4.25E-02
118	370810	758153	Offsite Worker	-1.74E+00	-7.90E-05	-1.45E-03	-7.25E-03	-1.05E-01	-5.01E-04	-7.02E-03	-7.02E-05	-8.70E-03	-1.45E-02	-5.55E-03	-9.25E-04	-8.41E-03	-2.80E-04	-5.09E+00	-4.24E-02
119	370807	758063	Offsite Worker	-1.47E+00	-6.67E-05	-1.54E-03	-7.71E-03	-1.13E-01	-5.36E-04	-7.41E-03	-7.41E-05	-9.25E-03	-1.54E-02	-5.90E-03	-9.84E-04	-8.94E-03	-2.98E-04	-5.42E+00	-4.51E-02
120	370803	757974	Offsite Worker	-9.58E-01	-4.36E-05	-1.75E-03	-8.77E-03	-1.28E-01	-6.08E-04	-8.39E-03	-8.39E-05	-1.05E-02	-1.75E-02	-6.71E-03	-1.12E-03	-1.02E-02	-3.39E-04	-6.16E+00	-5.13E-02
121	370835	757927	Offsite Worker	-1.05E+00	-4.79E-05	-1.96E-03	-9.79E-03	-1.38E-01	-6.58E-04	-9.31E-03	-9.31E-05	-1.17E-02	-1.96E-02	-7.46E-03	-1.24E-03	-1.14E-02	-3.78E-04	-6.85E+00	-5.71E-02
122	370868	757880	Offsite Worker	-3.82E+00	-1.73E-04	-1.98E-03	-9.88E-03	-1.39E-01	-6.61E-04	-9.45E-03	-9.45E-05	-1.19E-02	-1.98E-02	-7.53E-03	-1.25E-03	-1.15E-02	-3.82E-04	-6.90E+00	-5.75E-02
123	370921	757884	Offsite Worker	-4.30E+00	-1.96E-04	-2.14E-03	-1.07E-02	-1.56E-01	-7.44E-04	-1.05E-02	-1.05E-04	-1.29E-02	-2.14E-02	-8.21E-03	-1.37E-03	-1.24E-02	-4.14E-04	-7.53E+00	-6.27E-02
124	370975	757887	Offsite Worker	-2.23E+00	-1.02E-04	-1.89E-03	-9.47E-03	-1.36E-01	-6.45E-04	-9.20E-03	-9.20E-05	-1.14E-02	-1.89E-02	-7.24E-03	-1.21E-03	-1.10E-02	-3.66E-04	-6.64E+00	-5.53E-02
125	370975	757794	Offsite Worker	-9.62E-01	-4.37E-05	-2.36E-03	-1.18E-02	-1.72E-01	-8.19E-04	-1.15E-02	-1.15E-04	-1.41E-02	-2.36E-02	-9.03E-03	-1.50E-03	-1.37E-02	-4.56E-04	-8.28E+00	-6.90E-02
126	371026	757794	Offsite Worker	-8.66E-01	-3.93E-05	-2.31E-03	-1.16E-02	-1.70E-01	-8.10E-04	-1.11E-02	-1.11E-04	-1.39E-02	-2.31E-02	-8.86E-03	-1.48E-03	-1.34E-02	-4.47E-04	-8.12E+00	-6.77E-02
127	371076	757877	Offsite Worker	-2.02E+00	-9.17E-05	-2.14E-03	-1.07E-02	-1.59E-01	-7.57E-04	-1.04E-02	-1.04E-04	-1.28E-02	-2.14E-02	-8.20E-03	-1.37E-03	-1.24E-02	-4.13E-04	-7.52E+00	-6.27E-02
128	371126	757959	Offsite Worker	-2.13E+00	-9.70E-05	-1.98E-03	-9.90E-03	-1.45E-01	-6.92E-04	-9.70E-03	-9.70E-05	-1.19E-02	-1.98E-02	-7.59E-03	-1.27E-03	-1.15E-02	-3.83E-04	-6.96E+00	-5.80E-02
129	371119	758031	Offsite Worker	-7.64E-01	-3.47E-05	-1.56E-03	-7.78E-03	-1.18E-01	-5.62E-04	-7.64E-03	-7.64E-05	-9.34E-03	-1.56E-02	-5.99E-03	-9.99E-04	-9.02E-03	-3.01E-04	-5.49E+00	-4.58E-02
143	371953	757977	Offsite Worker	-3.60E+00	-1.64E-04	-1.28E-03	-6.40E-03	-1.39E-01	-6.61E-04	-6.51E-03	-6.51E-05	-7.68E-03	-1.28E-02	-5.22E-03	-8.71E-04	-7.42E-03	-2.47E-04	-4.79E+00	-3.99E-02
144	371948	757880	Offsite Worker	-2.47E+00	-1.12E-04	-7.83E-04	-3.91E-03	-7.50E-02	-3.57E-04	-3.78E-03	-3.78E-05	-4.70E-03	-7.83E-03	-3.13E-03	-5.21E-04	-4.54E-03	-1.51E-04	-2.86E+00	-2.39E-02
145	371943	757783	Offsite Worker	-1.55E+00	-7.03E-05	-1.59E-03	-7.93E-03	-1.47E-01	-7.00E-04	-8.03E-03	-8.03E-05	-9.52E-03	-1.59E-02	-6.30E-03	-1.05E-03	-9.20E-03	-3.07E-04	-5.77E+00	-4.81E-02
146	372016	757794	Offsite Worker	-1.21E+00	-5.50E-05	-1.63E-03	-8.15E-03	-1.42E-01	-6.78E-04	-8.22E-03	-8.22E-05	-9.78E-03	-1.63E-02	-6.41E-03	-1.07E-03	-9.45E-03	-3.15E-04	-5.88E+00	-4.90E-02
147	372102	757791	Offsite Worker	-8.58E-01	-3.90E-05	-1.61E-03	-8.03E-03	-1.35E-01	-6.43E-04	-8.06E-03	-8.06E-05	-9.63E-03	-1.61E-02	-6.28E-03	-1.05E-03	-9.31E-03	-3.10E-04	-5.75E+00	-4.80E-02
148	372178	757760	Offsite Worker	5.48E-01	2.49E-05	-1.26E-03	-6.32E-03	-1.13E-01	-5.39E-04	-6.35E-03	-6.35E-05	-7.58E-03	-1.26E-02	-4.99E-03	-8.31E-04	-7.33E-03	-2.44E-04	-4.57E+00	-3.81E-02
149	372177	757670	Offsite Worker	8.64E-01	3.93E-05	-5.95E-04	-2.98E-03	-6.05E-02	-2.88E-04	-2.87E-03	-2.87E-05	-3.57E-03	-5.95E-03	-2.40E-03	-4.00E-04	-3.45E-03	-1.15E-04	-2.20E+00	-1.83E-02
150	372176	757579	Offsite Worker	-1.04E+00	-4.71E-05	-8.77E-04	-4.38E-03	-8.06E-02	-3.84E-04	-4.34E-03	-4.34E-05	-5.26E-03	-8.77E-03	-3.48E-03	-5.79E-04	-5.09E-03	-1.70E-04	-3.19E+00	-2.66E-02
151	372174	757489	Offsite Worker	-1.43E+00	-6.50E-05	-1.11E-03	-5.57E-03	-1.01E-01	-4.83E-04	-5.61E-03	-5.61E-05	-6.68E-03	-1.11E-02	-4.41E-03	-7.35E-04	-6.46E-03	-2.15E-04	-4.04E+00	-3.37E-02
152	372173	757398	Offsite Worker	-1.83E+00	-8.33E-05	-9.21E-04	-4.60E-03	-8.76E-02	-4.17E-04	-4.57E-03	-4.57E-05	-5.52E-03	-9.21E-03	-3.67E-03	-6.12E-04	-5.34E-03	-1.78E-04	-3.37E+00	-2.80E-02
153	372171	757308	Offsite Worker	-6.26E-01	-2.85E-05	-8.51E-04	-4.26E-03	-7.76E-02	-3.69E-04	-4.10E-03	-4.10E-05	-5.11E-03	-8.51E-03	-3.37E-03	-5.62E-04	-4.94E-03	-1.65E-04	-3.09E+00	-2.58E-02
154	372055	757309	Offsite Worker	-9.77E-01	-4.44E-05	-8.87E-04	-4.44E-03	-8.38E-02	-3.99E-04	-4.34E-03	-4.34E-05	-5.32E-03	-8.87E-03	-3.53E-03	-5.89E-04	-5.15E-03	-1.72E-04	-3.24E+00	-2.70E-02
156	372055	757416	Offsite Worker	-1.96E+00	-8.91E-05	-1.07E-03	-5.34E-03	-1.00E-01	-4.77E-04	-5.33E-03	-5.33E-05	-6.41E-03	-1.07E-02	-4.25E-03	-7.08E-04	-6.20E-03	-2.07E-04	-3.90E+00	-3.25E-02
157	371952	757442	Offsite Worker	-2.06E+00	-9.38E-05	-1.36E-03	-6.82E-03	-1.13E-01	-5.38E-04	-6.85E-03	-6.85E-05	-8.18E-03	-1.36E-02	-5.32E-03	-8.87E-04	-7.91E-03	-2.64E-04	-4.88E+00	-4.06E-02
158	371950	757345	Offsite Worker	-2.12E+00	-9.64E-05	-1.26E-03	-6.32E-03	-1.39E-01	-6.64E-04	-6.59E-03	-6.59E-05	-7.58E-03	-1.26E-02	-5.18E-03	-8.63E-04	-7.33E-03	-2.44E-04	-4.74E+00	-3.95E-02
159	371864	757344	Offsite Worker	-2.70E+00	-1.23E-04	-1.68E-03	-8.38E-03	-1.79E-01	-8.54E-04	-8.76E-03	-8.76E-05	-1.01E-02	-1.68E-02	-6.82E-03	-1.14E-03	-9.72E-03	-3.24E-04	-6.25E+00	-5.21E-02
160	371790	757347	Offsite Worker	-3.31E+00	-1.50E-04	-1.80E-03	-8.98E-03	-1.73E-01	-8.25E-04	-9.22E-03	-9.22E-05	-1.08E-02	-1.80E-02	-7.18E-03	-1.20E-03	-1.04E-02	-3.47E-04	-6.58E+00	-5.48E-02
161	371708	757356	Offsite Worker	-3.34E+00	-1.52E-04	-1.82E-03	-9.09E-03	-1.48E-01	-7.04E-04	-9.09E-03	-9.09E-05	-1.09E-02	-1.82E-02	-7.07E-03	-1.18E-03	-1.05E-02	-3.52E-04	-6.48E+00	-5.40E-02
162	371615	757356	Offsite Worker	-3.63E+00	-1.65E-04	-2.03E-03	-1.02E-02	-1.51E-01	-7.20E-04	-1.01E-02	-1.01E-04	-1.22E-02	-2.03E-02	-7.81E-03	-1.30E-03	-1.18E-02	-3.93E-04	-7.17E+00	-5.97E-02
163	371523	757356	Offsite Worker	-4.08E+00	-1.85E-04	-2.17E-03	-1.08E-02	-1.61E-01	-7.68E-04	-1.08E-02	-1.08E-04	-1.30E-02	-2.17E-02	-8.32E-03	-1.39E-03	-1.26E-02	-4.19E-04	-7.63E+00	-6.36E-02
164	371430	757356	Offsite Worker	-4.57E+00	-2.08E-04	-2.07E-03	-1.04E-02	-1.56E-01	-7.45E-04	-1.02E-02	-1.02E-04	-1.24E-02	-2.07E-02	-7.97E-03	-1.33E-03	-1.20E-02	-4.01E-04	-7.31E+00	-6.09E-02
165	371338	757356	Offsite Worker	-5.11E+00	-2.32E-04	-2.15E-03	-1.08E-02	-1.72E-01	-8.18E-04	-1.06E-02	-1.06E-04	-1.29E-02	-2.15E-02	-8.34E-03	-1.39E-03	-1.25E-02	-4.16E-04	-7.65E+00	-6.37E-02
166	371245	757356	Offsite Worker	-5.41E+00	-2.46E-04	-2.15E-03	-1.07E-02	-1.82E-01	-8.66E-04	-1.06E-02	-1.06E-04	-1.29E-02	-2.15E-02	-8.40E-03	-1.40E-03	-1.24E-02	-4.15E-04	-7.70E+00	-6.42E-02
167	371153	757356	Offsite Worker	-5.49E+00	-2.49E-04	-2.17E-03	-1.09E-02	-1.92E-01	-9.13E-04	-1.07E-02	-1.07E-04	-1.30E-02	-2.17E-02	-8.56E-03	-1.43E-03	-1.26E-02	-4.20E-04	-7.85E+00	-6.54E-02
168	371061	757356	Offsite Worker	-5.36E+00	-2.44E-04	-2.19E-03	-1.10E-02	-2.01E-01	-9.56E-04	-1.08E-02	-1.08E-04	-1.32E-02	-2.19E-02	-8.69E-03	-1.45E-03	-1.27E-02	-4.24E-04	-7.97E+00	-6.64E-02
169	371005	757357	Offsite Worker	-4.42E+00	-2.01E-04	-2.59E-03	-1.29E-02	-2.29E-01	-1.09E-03	-1.27E-02	-1.27E-04	-1.55E-02	-2.59E-02	-1.02E-02	-1.70E-03	-1.50E-02	-5.00E-04	-9.35E+00	-7.79E-02
170	370998	757293	Offsite Worker	-6.89E+00	-3.13E-04	-2.97E-03	-1.48E-02	-2.58E-01	-1.23E-03	-1.47E-02	-1.47E-04	-1.78E-02	-2.97E-02	-1.17E-02	-1.94E-03	-1.72E-02	-5.74E-04	-1.07E+01	-8.91E-02
171	370998	757194	Offsite Worker	-4.99E+00	-2.27E-04	-3.91E-03	-1.95E-02	-3.27E-01	-1.56E-03	-1.97E-02	-1.97E-04	-2.34E-02	-3.91E-02	-1.53E-02	-2.54E-03	-2.27E-02	-7.55E-04	-1.40E+01	-1.17E-01
172	370998	757096	Offsite Worker	-6.16E+00	-2.80E-04	-2.73E-03	-1.36E-02	-2.36E-01	-1.12E-03	-1.37E-02	-1.37E-04	-1.64E-02	-2.73E-02	-1.07E-02	-1.79E-03	-1.58E-02	-5.28E-04	-9.83E+00	-8.19E-02
173	370998	756998	Offsite Worker	-7.82E+00	-3.56E-04	-3.52E-03	-1.76E-02	-2.63E-01	-1.25E-03	-1.76E-02	-1.76E-04	-2.11E-02	-3.52E-02	-1.35E-02	-2.25E-03	-2.04E-02	-6.81E-04	-1.24E+01	-1.03E-01
174	371057	756997	Offsite Worker	-5.82E+00	-2.65E-04	-3.55E-03	-1.78E-02	-2.69E-01	-1.28E-03	-1.79E-02	-1.79E-04	-2.13E-02	-3.55E-02	-1.37E-02	-2.28E-03	-2.06E-02	-6.87E-04	-1.25E+01	-1.04E-01
175	371153	756997	Offsite Worker	-2.16E+00	-9.80E-05	-3.15E-03	-1.57E-02	-2.38E-01	-1.13E-03	-1.57E-02	-1.57E-04	-1.89E-02	-3.15E-02	-1.21E-02	-2.02E-03	-1.82E-02	-6.08E-04	-1.11E+01	-9.25E-02
176	371249	756997	Offsite Worker	7.72E-03	3.51E-07	-2.43E-03	-1.21E-02	-1.80E-01	-8.58E-04	-1.20E-02	-1.20E-04	-1.46E-02	-2.43E-02	-9.31E-03	-1.55E-03	-1.41E-02	-4.69E-04	-8.54E+00	-7.12E-02
177	371345	756997	Offsite Worker	-5.14E-01	-2.34E-05	-2.03E-03	-1.01E-02	-1.51E-01	-7.17E-04	-1.00E-02	-1.00E-04	-1.22E-02	-2.03E-02	-7.78E-03	-1.30E-03	-1.18E-02	-3.92E-04	-7.14E+00	-5.95E-02
178	371440	756997	Offsite Worker	-1.71E-02	-7.77E-07	-1.84E-03	-9.19E-03	-1.27E-01	-6.04E-04	-8.98E-03	-8.98E-05	-1.10E-02	-1.84E-02	-6.99E-03	-1.16E-03	-1.07E-02	-3.55E-04	-6.41E+00	-5.34E-02
179	371536	756997	Offsite Worker	2.05E-02	9.31E-07	-1.53E-03	-7.64E-03	-1.06E-01	-5.07E-04	-7.41E-03	-7.41E-05	-9.16E-03	-1.53E-02	-5.81E-03	-9.69E-04	-8.86E-03	-2.95E-04	-5.33E+00	-4.44E-02
180	371632	756997	Offsite Worker	-1.77E-01	-8.04E-06	-1.00E-03	-5.00E-03	-7.05E-02	-3.36E-04	-4.70E-03	-4.70E-05	-6.00E-03	-1.00E-02	-3.81E-03	-6.35E-04	-5.80E-03	-1.93E-04	-3.50E+00	-2.91E-02
181	371728	756997	Offsite Worker	2.86E-01	1.30E-05	2.39E-04	1.19E-03	2.38E-02	1.14E-04	1.90E-03	1.90E-05	1.43E-03	2.39E-03	9.61E-04	1.60E-04	1.39E-03	4.62E-05	8.81E-01	7.34E-03
182	371824	756997	Offsite Worker	1.01E-01	4.61E-06	-2.40E-05	-1.20E-04	1.46E-04	6.93E-07	4.37E-04	4.37E-06	-1.44E-04	-2.40E-04	-7.84E-05	-1.31E-05	-1.39E-04	-4.64E-06	-7.22E-02	-6.01E-04
183	371920	756997	Offsite Worker	2.91E-01	1.32E-05	2.01E-04	1.01E-03	2.04E-02	9.71E-05	1.67E-03	1.67E-05	1.21E-03	2.01E-03	8.11E-04	1.35E-04	1.17E-03	3.89E-05	7.43E-01	6.19E-03
184	372016	756997	Offsite Worker	2.18E+00	9.91E-05	5.58E-04	2.79E-03	4.76E-02	2.27E-04	3.54E-03	3.54E-05	3.35E-03	5.58E-03	2.19E-03	3.64E-04	3.23E-03	1.08E-04	2.00E+00	1.67E-02
185	372111	756997	Offsite Worker	6.37E+00	2.89E-04	1.17E-03	5.83E-03	9.05E-02	4.31E-04	6.72E-03	6.72E-05	6.99E-03	1.17E-02	4.50E-03	7.50E-04	6.76E-03	2.25E-04	4.13E+00	3.44E-02
186	372207	756997	Offsite Worker	1.31E+01	5.97E-04	2.86E-03	1.43E-02	2.13E-01	1.01E-03	1.57E-02	1.57E-04	1.71E-02	2.86E-02	1.10E-02	1.83E-03	1.66E-02	5.53E-04	1.01E+01	8.39E-02
187	372303	756997	Offsite Worker	4.68E+00	2.13E-04	1.17E-03	5.87E-03	8.40E-02	4.00E-04	6.69E-03	6.69E-05	7.04E-03	1.17E-02	4.48E-03	7.47E-04	6.81E-03	2.27E-04	4.11E+00	3.43E-02
188	372399	756997	Offsite Worker	3.46E-01	1.57E-05	5.72E-04	2.86E-03	4.08E-02	1.94E-04	3.46E-03	3.46E-05	3.43E-03	5.72E-03	2.18E-03	3.64E-04	3.32E-03	1.11E-04	2.00E+00	1.67E-02
189	372495	756997	Offsite Worker	3.78E-01	1.72E-05	-2.28E-04	-1.14E-03	-1.72E-02	-8.17E-05	-7.87E-04	-7.87E-06	-1.37E-03	-2.28E-03	-8.76E-04	-1.46E-04	-1.32E-03	-4.40E-05	-8.03E-01	-6.69E-03
190	372591	756997	Offsite Worker	8.74E-01	3.97E-05	-1.16E-04	-5.78E-04	-8.43E-03	-4.01E-05	-1.72E-04	-1.72E-06	-6.93E-04	-1.16E-03	-4.43E-04	-7.38E-05	-6.70E-04	-2.23E-05	-4.06E-01	-3.38E-03
191	372610	757063	Offsite Worker	3.43E-02	1.56E-06	-3.96E-04	-1.98E-03	-3.12E-02	-1.49E-04	-1.72E-03	-1.72E-05	-2.37E-03	-3.96E-03	-1.53E-03	-2.55E-04	-2.30E-03	-7.65E-05	-1.41E+00	-1.17E-02
192	372612	757132	Offsite Worker	-4.52E-01	-2.05E-05	-4.77E-04	-2.39E-03	-3.77E-02	-1.79E-04	-2.17E-03	-2.17E-05	-2.86E-03	-4.77E-03	-1.85E-03	-3.08E-04	-2.77E-03	-9.23E-05	-1.69E+00	-1.41E-02
193	372614	757201	Offsite Worker	-6.77E-01	-3.08E-05	-3.40E-04	-1.70E-03	-3.12E-02	-1.49E-04	-1.47E-03	-1.47E-05	-2.04E-03	-3.40E-03	-1.35E-03	-2.25E-04	-1.97E-03	-6.58E-05	-1.24E+00	-1.03E-02
194	372616	757270	Offsite Worker	-4.03E-01	-1.83E-05	-6.63E-04	-3.31E-03	-5.84E-02	-2.78E-04	-3.20E-03	-3.20E-05	-3.98E-03	-6.63E-03	-2.61E-03	-4.35E-04	-3.84E-03	-1.28E-04	-2.39E+00	-1.99E-02
195	372627	757351	Offsite Worker	-8.94E-02	-4.06E-06	-1.08E-03	-5.42E-03	-9.04E-02	-4.31E-04	-5.44E-03	-5.44E-05	-6.51E-03	-1.08E-02	-4.23E-03	-7.06E-04	-6.29E-03	-2.10E-04	-3.88E+00	-3.23E-02

Table 3-5B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Minimum Range
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m³)	xylene, total Acute Hazard	arsenic (µg/m³)	arsenic Acute Hazard	chlorine (µg/m³)	chlorine Acute Hazard	copper (µg/m³)	copper Acute Hazard	mercury (µg/m³)	mercury Acute Hazard	nickel (µg/m³)	nickel Acute Hazard	vanadium (µg/m³)	vanadium Acute Hazard	sulfates (µg/m³)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
196	372651	757422	Offsite Worker	-1.32E+00	-6.00E-05	-9.50E-04	-4.75E-03	-7.84E-02	-3.73E-04	-4.74E-03	-4.74E-05	-5.70E-03	-9.50E-03	-3.70E-03	-6.17E-04	-5.51E-03	-1.84E-04	-3.40E+00	-2.83E-02
197	372676	757494	Offsite Worker	-1.61E+00	-7.33E-05	-1.04E-03	-5.21E-03	-8.44E-02	-4.02E-04	-5.19E-03	-5.19E-05	-6.25E-03	-1.04E-02	-4.05E-03	-6.75E-04	-6.04E-03	-2.01E-04	-3.71E+00	-3.09E-02
198	372704	757569	Offsite Worker	-1.45E+00	-6.59E-05	-9.99E-04	-4.99E-03	-7.89E-02	-3.75E-04	-4.92E-03	-4.92E-05	-5.99E-03	-9.99E-03	-3.87E-03	-6.45E-04	-5.79E-03	-1.93E-04	-3.55E+00	-2.96E-02
199	372733	757645	Offsite Worker	-7.60E-01	-3.46E-05	-9.83E-04	-4.91E-03	-7.99E-02	-3.80E-04	-4.87E-03	-4.87E-05	-5.90E-03	-9.83E-03	-3.82E-03	-6.37E-04	-5.70E-03	-1.90E-04	-3.50E+00	-2.92E-02
200	372746	757702	Offsite Worker	-4.32E-01	-1.96E-05	-9.47E-04	-4.74E-03	-8.15E-02	-3.88E-04	-4.74E-03	-4.74E-05	-5.68E-03	-9.47E-03	-3.72E-03	-6.19E-04	-5.49E-03	-1.83E-04	-3.41E+00	-2.84E-02
201	372746	757768	Offsite Worker	1.30E-01	5.93E-06	-7.35E-04	-3.68E-03	-6.67E-02	-3.17E-04	-3.63E-03	-3.63E-05	-4.41E-03	-7.35E-03	-2.91E-03	-4.85E-04	-4.26E-03	-1.42E-04	-2.67E+00	-2.22E-02
202	372807	757781	Offsite Worker	1.29E-01	5.85E-06	-7.61E-04	-3.80E-03	-6.79E-02	-3.23E-04	-3.76E-03	-3.76E-05	-4.56E-03	-7.61E-03	-3.00E-03	-5.00E-04	-4.41E-03	-1.47E-04	-2.75E+00	-2.29E-02
203	372901	757782	Offsite Worker	-8.53E-02	-3.88E-06	-8.23E-04	-4.12E-03	-6.59E-02	-3.14E-04	-4.05E-03	-4.05E-05	-4.94E-03	-8.23E-03	-3.19E-03	-5.32E-04	-4.78E-03	-1.59E-04	-2.93E+00	-2.44E-02
204	372994	757783	Offsite Worker	-5.67E-01	-2.58E-05	-8.42E-04	-4.21E-03	-6.41E-02	-3.05E-04	-4.12E-03	-4.12E-05	-5.05E-03	-8.42E-03	-3.24E-03	-5.41E-04	-4.88E-03	-1.63E-04	-2.97E+00	-2.48E-02
205	373087	757783	Offsite Worker	-9.56E-01	-4.34E-05	-8.18E-04	-4.09E-03	-5.97E-02	-2.84E-04	-3.99E-03	-3.99E-05	-4.91E-03	-8.18E-03	-3.13E-03	-5.22E-04	-4.75E-03	-1.58E-04	-2.87E+00	-2.39E-02
206	373180	757784	Offsite Worker	-1.04E+00	-4.72E-05	-7.57E-04	-3.78E-03	-5.08E-02	-2.42E-04	-3.65E-03	-3.65E-05	-4.54E-03	-7.57E-03	-2.87E-03	-4.78E-04	-4.39E-03	-1.46E-04	-2.63E+00	-2.19E-02
207	373274	757785	Offsite Worker	-9.61E-01	-4.37E-05	-7.27E-04	-3.64E-03	-4.65E-02	-2.22E-04	-3.49E-03	-3.49E-05	-4.36E-03	-7.27E-03	-2.74E-03	-4.57E-04	-4.22E-03	-1.41E-04	-2.51E+00	-2.09E-02
208	373367	757786	Offsite Worker	-9.34E-01	-4.24E-05	-6.97E-04	-3.49E-03	-4.59E-02	-2.19E-04	-3.35E-03	-3.35E-05	-4.18E-03	-6.97E-03	-2.63E-03	-4.39E-04	-4.04E-03	-1.35E-04	-2.42E+00	-2.01E-02
209	373418	757742	Offsite Worker	-9.97E-01	-4.53E-05	-7.36E-04	-3.68E-03	-4.76E-02	-2.27E-04	-3.53E-03	-3.53E-05	-4.42E-03	-7.36E-03	-2.78E-03	-4.63E-04	-4.27E-03	-1.42E-04	-2.55E+00	-2.12E-02
210	373418	757653	Offsite Worker	-1.36E+00	-6.17E-05	-8.13E-04	-4.07E-03	-5.15E-02	-2.45E-04	-3.92E-03	-3.92E-05	-4.88E-03	-8.13E-03	-3.06E-03	-5.10E-04	-4.72E-03	-1.57E-04	-2.81E+00	-2.34E-02
211	373419	757564	Offsite Worker	-1.35E+00	-6.16E-05	-7.10E-04	-3.55E-03	-4.95E-02	-2.36E-04	-3.49E-03	-3.49E-05	-4.26E-03	-7.10E-03	-2.70E-03	-4.51E-04	-4.12E-03	-1.37E-04	-2.48E+00	-2.07E-02
212	373419	757475	Offsite Worker	-5.28E-01	-2.40E-05	-5.75E-04	-2.87E-03	-3.69E-02	-1.76E-04	-2.74E-03	-2.74E-05	-3.45E-03	-5.75E-03	-2.16E-03	-3.61E-04	-3.33E-03	-1.11E-04	-1.99E+00	-1.65E-02
213	373420	757386	Offsite Worker	-1.10E-02	-5.00E-07	-5.18E-04	-2.59E-03	-2.64E-02	-1.26E-04	-2.34E-03	-2.34E-05	-3.11E-03	-5.18E-03	-1.90E-03	-3.17E-04	-3.00E-03	-1.00E-04	-1.75E+00	-1.46E-02
214	373420	757297	Offsite Worker	4.57E-02	2.08E-06	-4.66E-04	-2.33E-03	-2.13E-02	-1.02E-04	-2.05E-03	-2.05E-05	-2.79E-03	-4.66E-03	-1.69E-03	-2.82E-04	-2.70E-03	-9.00E-05	-1.55E+00	-1.30E-02
215	373421	757207	Offsite Worker	2.15E-01	9.79E-06	-5.78E-04	-2.89E-03	-3.46E-02	-1.65E-04	-2.70E-03	-2.70E-05	-3.47E-03	-5.78E-03	-2.16E-03	-3.60E-04	-3.35E-03	-1.12E-04	-1.98E+00	-1.65E-02
216	373421	757118	Offsite Worker	9.81E-01	4.46E-05	-6.38E-04	-3.19E-03	-4.64E-02	-2.21E-04	-3.04E-03	-3.04E-05	-3.83E-03	-6.38E-03	-2.44E-03	-4.07E-04	-3.70E-03	-1.23E-04	-2.24E+00	-1.87E-02
217	373292	757117	Offsite Worker	5.70E-01	2.59E-05	-5.16E-04	-2.58E-03	-3.56E-02	-1.70E-04	-2.37E-03	-2.37E-05	-3.10E-03	-5.16E-03	-1.96E-03	-3.27E-04	-2.99E-03	-9.98E-05	-1.80E+00	-1.50E-02
218	373213	757118	Offsite Worker	5.05E-01	2.29E-05	-4.79E-04	-2.39E-03	-3.24E-02	-1.55E-04	-2.18E-03	-2.18E-05	-2.87E-03	-4.79E-03	-1.82E-03	-3.03E-04	-2.78E-03	-9.26E-05	-1.67E+00	-1.39E-02
219	373158	757066	Offsite Worker	7.49E-01	3.40E-05	-4.42E-04	-2.21E-03	-3.21E-02	-1.53E-04	-1.98E-03	-1.98E-05	-2.65E-03	-4.42E-03	-1.69E-03	-2.82E-04	-2.56E-03	-8.54E-05	-1.55E+00	-1.29E-02
220	373084	757026	Offsite Worker	9.16E-01	4.17E-05	-4.10E-04	-2.05E-03	-3.03E-02	-1.44E-04	-1.80E-03	-1.80E-05	-2.46E-03	-4.10E-03	-1.57E-03	-2.62E-04	-2.38E-03	-7.93E-05	-1.44E+00	-1.20E-02
221	373009	757011	Offsite Worker	7.35E-01	3.34E-05	-3.59E-04	-1.80E-03	-2.65E-02	-1.26E-04	-1.52E-03	-1.52E-05	-2.16E-03	-3.59E-03	-1.38E-03	-2.30E-04	-2.08E-03	-6.95E-05	-1.26E+00	-1.05E-02
222	372922	757009	Offsite Worker	-1.53E-01	-6.97E-06	-2.48E-04	-1.24E-03	-2.09E-02	-9.97E-05	-9.17E-04	-9.17E-06	-1.49E-03	-2.48E-03	-9.70E-04	-1.62E-04	-1.44E-03	-4.79E-05	-8.89E-01	-7.41E-03
223	372835	757007	Offsite Worker	8.82E-01	4.01E-05	3.02E-05	1.51E-04	-1.11E-03	-5.29E-06	5.81E-04	5.81E-06	1.81E-04	3.02E-04	9.20E-05	1.53E-05	1.75E-04	5.84E-06	8.48E-02	7.06E-04
224	372747	757006	Offsite Worker	1.28E+00	5.82E-05	9.15E-05	4.58E-04	1.21E-02	5.76E-05	9.70E-04	9.70E-06	5.49E-04	9.15E-04	3.89E-04	6.49E-05	5.31E-04	1.77E-05	3.56E-01	2.97E-03
225	372660	757004	Offsite Worker	1.13E+00	5.12E-05	-4.38E-05	-2.19E-04	-3.19E-03	-1.52E-05	2.00E-04	2.00E-06	-2.63E-04	-4.38E-04	-1.68E-04	-2.80E-05	-2.54E-04	-8.48E-06	-1.54E-01	-1.28E-03
226	372651	757063	Offsite Worker	-1.02E-01	-4.63E-06	-4.02E-04	-2.01E-03	-3.23E-02	-1.54E-04	-1.77E-03	-1.77E-05	-2.41E-03	-4.02E-03	-1.56E-03	-2.60E-04	-2.33E-03	-7.77E-05	-1.43E+00	-1.19E-02
227	372629	756931	Offsite Worker	2.64E+00	1.20E-04	3.71E-04	1.85E-03	3.09E-02	1.47E-04	2.50E-03	2.50E-05	2.22E-03	3.71E-03	1.45E-03	2.41E-04	2.15E-03	7.17E-05	1.33E+00	1.11E-02
228	372631	756857	Offsite Worker	2.35E+00	1.07E-04	5.65E-04	2.83E-03	4.13E-02	1.97E-04	3.44E-03	3.44E-05	3.39E-03	5.65E-03	2.16E-03	3.61E-04	3.28E-03	1.09E-04	1.99E+00	1.65E-02
229	372634	756783	Offsite Worker	2.56E+00	1.16E-04	3.17E-04	1.59E-03	2.21E-02	1.05E-04	2.10E-03	2.10E-05	1.90E-03	3.17E-03	1.21E-03	2.01E-04	1.84E-03	6.13E-05	1.11E+00	9.22E-03
230	372702	756778	Offsite Worker	2.32E+00	1.06E-04	1.82E-04	9.09E-04	1.23E-02	5.84E-05	1.38E-03	1.38E-05	1.09E-03	1.82E-03	6.89E-04	1.15E-04	1.05E-03	3.51E-05	6.32E-01	5.27E-03
231	372756	756775	Offsite Worker	2.39E+00	1.09E-04	9.78E-05	4.89E-04	3.88E-03	1.85E-05	9.11E-04	9.11E-06	5.87E-04	9.78E-04	3.51E-04	5.85E-05	5.67E-04	1.89E-05	3.23E-01	2.69E-03
232	372729	756712	Offsite Worker	1.93E+00	8.78E-05	-3.30E-05	-1.65E-04	-4.39E-03	-2.09E-05	2.20E-04	2.20E-06	-1.98E-04	-3.30E-04	-1.40E-04	-2.34E-05	-1.91E-04	-6.38E-06	-1.29E-01	-1.07E-03
233	372703	756650	Offsite Worker	2.86E+00	1.30E-04	-2.69E-04	-1.35E-03	-2.21E-02	-1.05E-04	-9.91E-04	-9.91E-06	-1.62E-03	-2.69E-03	-1.05E-03	-1.75E-04	-1.56E-03	-5.21E-05	-9.62E-01	-8.02E-03
234	372677	756588	Offsite Worker	2.82E+00	1.28E-04	-2.69E-04	-1.34E-03	-2.16E-02	-1.03E-04	-8.01E-04	-8.01E-06	-1.61E-03	-2.69E-03	-1.04E-03	-1.74E-04	-1.56E-03	-5.20E-05	-9.57E-01	-7.98E-03
235	372619	756588	Offsite Worker	3.26E+00	1.48E-04	-2.86E-04	-1.43E-03	-2.44E-02	-1.16E-04	-1.01E-03	-1.01E-05	-1.71E-03	-2.86E-03	-1.12E-03	-1.87E-04	-1.66E-03	-5.53E-05	-1.03E+00	-8.56E-03
236	372622	756509	Offsite Worker	4.29E+00	1.95E-04	5.63E-05	2.81E-04	-1.31E-03	-6.22E-06	1.17E-03	1.17E-05	3.38E-04	5.63E-04	1.77E-04	2.95E-05	3.26E-04	1.09E-05	1.63E-01	1.36E-03
237	372700	756511	Offsite Worker	3.59E+00	1.63E-04	-1.85E-05	-9.24E-05	-5.82E-03	-2.77E-05	7.63E-04	7.63E-06	-1.11E-04	-1.85E-04	-1.03E-04	-1.71E-05	-1.07E-04	-3.57E-06	-9.37E-02	-7.81E-04
238	372789	756510	Offsite Worker	2.76E+00	1.26E-04	-4.62E-04	-2.31E-03	-3.55E-02	-1.69E-04	-1.72E-03	-1.72E-05	-2.77E-03	-4.62E-03	-1.78E-03	-2.97E-04	-2.68E-03	-8.93E-05	-1.63E+00	-1.36E-02
239	372871	756509	Offsite Worker	1.89E+00	8.61E-05	-4.14E-04	-2.07E-03	-2.69E-02	-1.28E-04	-1.27E-03	-1.27E-05	-2.48E-03	-4.14E-03	-1.56E-03	-2.60E-04	-2.40E-03	-8.00E-05	-1.43E+00	-1.19E-02
240	372871	756437	Offsite Worker	2.84E+00	1.29E-04	-5.36E-04	-2.68E-03	-3.64E-02	-1.73E-04	-1.80E-03	-1.80E-05	-3.21E-03	-5.36E-03	-2.03E-03	-3.39E-04	-3.11E-03	-1.04E-04	-1.86E+00	-1.55E-02
241	372970	756437	Offsite Worker	2.17E+00	9.88E-05	-1.69E-04	-8.45E-04	-1.26E-02	-6.00E-05	-1.18E-04	-1.18E-06	-1.01E-03	-1.69E-03	-6.49E-04	-1.08E-04	-9.80E-04	-3.27E-05	-5.96E-01	-4.96E-03
242	373069	756437	Offsite Worker	1.87E+00	8.49E-05	-1.02E-04	-5.09E-04	-7.81E-03	-3.72E-05	1.19E-04	1.19E-06	-6.11E-04	-1.02E-03	-3.93E-04	-6.55E-05	-5.91E-04	-1.97E-05	-3.60E-01	-3.00E-03
243	373168	756437	Offsite Worker	1.73E+00	7.87E-05	-1.81E-04	-9.06E-04	-1.24E-02	-5.89E-05	-3.49E-04	-3.49E-06	-1.09E-03	-1.81E-03	-6.88E-04	-1.15E-04	-1.05E-03	-3.50E-05	-6.31E-01	-5.26E-03
244	373267	756437	Offsite Worker	1.62E+00	7.37E-05	-2.91E-04	-1.46E-03	-2.12E-02	-1.01E-04	-1.02E-03	-1.02E-05	-1.75E-03	-2.91E-03	-1.11E-03	-1.86E-04	-1.69E-03	-5.63E-05	-1.02E+00	-8.52E-03
245	373412	756437	Offsite Worker	1.47E+00	6.69E-05	-3.67E-04	-1.84E-03	-2.77E-02	-1.32E-04	-1.50E-03	-1.50E-05	-2.20E-03	-3.67E-03	-1.41E-03	-2.36E-04	-2.13E-03	-7.10E-05	-1.30E+00	-1.08E-02
246	373409	756339	Offsite Worker	1.64E+00	7.47E-05	-5.43E-04	-2.71E-03	-4.06E-02	-1.93E-04	-2.32E-03	-2.32E-05	-3.26E-03	-5.43E-03	-2.08E-03	-3.47E-04	-3.15E-03	-1.05E-04	-1.91E+00	-1.59E-02
247	373406	756240	Offsite Worker	2.21E+00	1.00E-04	-3.53E-04	-1.77E-03	-2.35E-02	-1.12E-04	-1.17E-03	-1.17E-05	-2.12E-03	-3.53E-03	-1.34E-03	-2.23E-04	-2.05E-03	-6.83E-05	-1.23E+00	-1.02E-02
248	373403	756142	Offsite Worker	2.92E+00	1.33E-04	-5.72E-04	-2.86E-03	-5.09E-02	-2.42E-04	-2.27E-03	-2.27E-05	-3.43E-03	-5.72E-03	-2.25E-03	-3.76E-04	-3.32E-03	-1.11E-04	-2.07E+00	-1.72E-02
249	373400	756042	Offsite Worker	1.96E+00	8.93E-05	-9.91E-04	-4.95E-03	-9.30E-02	-4.43E-04	-4.69E-03	-4.69E-05	-5.94E-03	-9.91E-03	-3.94E-03	-6.57E-04	-5.75E-03	-1.92E-04	-3.61E+00	-3.01E-02
250	373397	755944	Offsite Worker	-3.61E-01	-1.64E-05	-1.32E-03	-6.62E-03	-1.18E-01	-5.62E-04	-6.58E-03	-6.58E-05	-7.95E-03	-1.32E-02	-5.23E-03	-8.71E-04	-7.68E-03	-2.56E-04	-4.79E+00	-3.99E-02
251	373393	755846	Offsite Worker	-1.55E+00	-7.04E-05	-1.50E-03	-7.50E-03	-1.23E-01	-5.84E-04	-7.41E-03	-7.41E-05	-9.00E-03	-1.50E-02	-5.84E-03	-9.73E-04	-8.70E-03	-2.90E-04	-5.35E+00	-4.46E-02
252	373390	755747	Offsite Worker	-7.28E-01	-3.31E-05	-1.52E-03	-7.60E-03	-1.20E-01	-5.73E-04	-7.54E-03	-7.54E-05	-9.12E-03	-1.52E-02	-5.89E-03	-9.81E-04	-8.82E-03	-2.94E-04	-5.40E+00	-4.50E-02
253	373309	755744	Offsite Worker	-7.45E-01	-3.39E-05	-1.53E-03	-7.66E-03	-1.21E-01	-5.75E-04	-7.62E-03	-7.62E-05	-9.20E-03	-1.53E-02	-5.93E-03	-9.89E-04	-8.89E-03	-2.96E-04	-5.44E+00	-4.54E-02
254	373229	755743	Offsite Worker	-8.38E-01	-3.81E-05	-1.54E-03	-7.70E-03	-1.21E-01	-5.77E-04	-7.63E-03	-7.63E-05	-9.24E-03	-1.54E-02	-5.96E-03	-9.93E-04	-8.93E-03	-2.98E-04	-5.47E+00	-4.55E-02
255	373143	755741	Offsite Worker	-1.01E+00	-4.60E-05	-1.63E-03	-8.17E-03	-1.30E-01	-6.20E-04	-8.10E-03	-8.10E-05	-9.81E-03	-1.63E-02	-6.34E-03	-1.06E-03	-9.48E-03	-3.16E-04	-5.81E+00	-4.84E-02
256	373143	755823	Offsite Worker	-1.61E+00	-7.31E-05	-1.65E-03	-8.26E-03	-1.35E-01	-6.41E-04	-8.22E-03	-8.22E-05	-9.92E-03	-1.65E-02	-6.43E-03	-1.07E-03	-9.59E-03	-3.20E-04	-5.89E+00	-4.91E-02
257	373143	755906	Offsite Worker	-1.93E+00	-8.77E-05	-1.68E-03	-8.39E-03	-1.53E-01	-7.28E-04	-8.46E-03	-8.46E-05	-1.01E-02	-1.68E-02	-6.64E-03	-1.11E-03	-9.73E-03	-3.24E-04	-6.09E+00	-5.07E-02
258	373065	755906	Offsite Worker	-1.91E+00	-8.69E-05	-1.53E-03	-7.65E-03	-1.43E-01	-6.79E-04	-7.69E-03	-7.69E-05	-9.18E-03	-1.53E-02	-6.08E-03	-1.01E-03	-8.87E-03	-2.96E-04	-5.57E+00	-4.64E-02
259	373065	755827	Offsite Worker	-1.99E+00	-9.04E-05	-1.76E-03	-8.79E-03	-1.51E-01	-7.17E-04	-8.78E-03	-8.78E-05	-1.05E-02	-1.76E-02	-6.89E-03	-1.15E-03	-1.02E-02	-3.40E-04	-6.32E+00	-5.26E-02
260	373068	755733	Offsite Worker	-1.00E+00	-4.55E-05	-1.62E-03	-8.12E-03	-1.28E-01	-6.10E-04	-8.01E-03	-8.01E-05	-9.74E-03	-1.62E-02	-6.28E-03	-1.05E-03	-9.41E-03	-3.14E-04	-5.76E+00	-4.80E-02

Table 3-5B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Minimum Range
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m³)	xylene, total Acute Hazard	arsenic (µg/m³)	arsenic Acute Hazard	chlorine (µg/m³)	chlorine Acute Hazard	copper (µg/m³)	copper Acute Hazard	mercury (µg/m³)	mercury Acute Hazard	nickel (µg/m³)	nickel Acute Hazard	vanadium (µg/m³)	vanadium Acute Hazard	sulfates (µg/m³)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
261	373007	755733	Offsite Worker	-9.78E-01	-4.45E-05	-1.72E-03	-8.61E-03	-1.36E-01	-6.48E-04	-8.50E-03	-8.50E-05	-1.03E-02	-1.72E-02	-6.67E-03	-1.11E-03	-9.99E-03	-3.33E-04	-6.12E+00	-5.10E-02
262	372941	755733	Offsite Worker	-1.02E+00	-4.64E-05	-1.91E-03	-9.57E-03	-1.50E-01	-7.15E-04	-9.46E-03	-9.46E-05	-1.15E-02	-1.91E-02	-7.41E-03	-1.23E-03	-1.11E-02	-3.70E-04	-6.79E+00	-5.66E-02
263	372941	755636	Offsite Worker	6.56E-01	2.98E-05	-2.24E-03	-1.12E-02	-1.63E-01	-7.76E-04	-1.10E-02	-1.10E-04	-1.34E-02	-2.24E-02	-8.57E-03	-1.43E-03	-1.30E-02	-4.33E-04	-7.86E+00	-6.55E-02
264	372941	755539	Offsite Worker	1.87E+00	8.51E-05	-1.70E-03	-8.48E-03	-1.18E-01	-5.62E-04	-8.19E-03	-8.19E-05	-1.02E-02	-1.70E-02	-6.46E-03	-1.08E-03	-9.84E-03	-3.28E-04	-5.92E+00	-4.94E-02
265	372941	755442	Offsite Worker	2.71E+00	1.23E-04	-1.57E-03	-7.83E-03	-1.09E-01	-5.17E-04	-7.58E-03	-7.58E-05	-9.39E-03	-1.57E-02	-5.96E-03	-9.93E-04	-9.08E-03	-3.03E-04	-5.46E+00	-4.55E-02
266	372913	755342	Offsite Worker	3.24E+00	1.47E-04	-1.37E-03	-6.87E-03	-9.94E-02	-4.73E-04	-6.75E-03	-6.75E-05	-8.25E-03	-1.37E-02	-5.26E-03	-8.76E-04	-7.97E-03	-2.66E-04	-4.82E+00	-4.02E-02
267	372817	755346	Offsite Worker	2.57E+00	1.17E-04	-1.43E-03	-7.13E-03	-1.02E-01	-4.87E-04	-6.93E-03	-6.93E-05	-8.56E-03	-1.43E-02	-5.45E-03	-9.08E-04	-8.27E-03	-2.76E-04	-5.00E+00	-4.16E-02
268	372720	755349	Offsite Worker	7.68E-01	3.49E-05	-1.78E-03	-8.88E-03	-1.23E-01	-5.88E-04	-8.56E-03	-8.56E-05	-1.07E-02	-1.78E-02	-6.76E-03	-1.13E-03	-1.03E-02	-3.43E-04	-6.20E+00	-5.17E-02
269	372624	755352	Offsite Worker	-2.30E-01	-1.05E-05	-3.57E-03	-1.78E-02	-2.49E-01	-1.19E-03	-1.77E-02	-1.77E-04	-2.14E-02	-3.57E-02	-1.36E-02	-2.26E-03	-2.07E-02	-6.90E-04	-1.25E+01	-1.04E-01
270	372527	755349	Offsite Worker	-1.16E+00	-5.28E-05	-2.83E-03	-1.41E-02	-1.99E-01	-9.48E-04	-1.41E-02	-1.41E-04	-1.70E-02	-2.83E-02	-1.08E-02	-1.80E-03	-1.64E-02	-5.47E-04	-9.89E+00	-8.24E-02
271	372431	755353	Offsite Worker	-5.01E+00	-2.28E-04	-6.90E-03	-3.45E-02	-4.80E-01	-2.28E-03	-3.47E-02	-3.47E-04	-4.14E-02	-6.90E-02	-2.63E-02	-4.38E-03	-4.00E-02	-1.33E-03	-2.41E+01	-2.01E-01
272	372334	755356	Offsite Worker	-1.79E+00	-8.14E-05	-7.66E-03	-3.83E-02	-5.35E-01	-2.55E-03	-3.86E-02	-3.86E-04	-4.60E-02	-7.66E-02	-2.92E-02	-4.86E-03	-4.44E-02	-1.48E-03	-2.68E+01	-2.23E-01
273	372237	755359	Offsite Worker	-1.46E+00	-6.62E-05	-6.11E-03	-3.06E-02	-4.33E-01	-2.06E-03	-3.10E-02	-3.10E-04	-3.67E-02	-6.11E-02	-2.33E-02	-3.89E-03	-3.55E-02	-1.18E-03	-2.14E+01	-1.78E-01
274	372141	755362	Offsite Worker	-6.10E-03	-2.77E-07	-5.42E-03	-2.71E-02	-3.83E-01	-1.82E-03	-2.74E-02	-2.74E-04	-3.25E-02	-5.42E-02	-2.07E-02	-3.44E-03	-3.14E-02	-1.05E-03	-1.89E+01	-1.58E-01
275	372044	755366	Offsite Worker	9.69E-01	4.41E-05	-4.91E-03	-2.45E-02	-3.48E-01	-1.66E-03	-2.49E-02	-2.49E-04	-2.94E-02	-4.91E-02	-1.87E-02	-3.12E-03	-2.85E-02	-9.49E-04	-1.72E+01	-1.43E-01
276	371948	755369	Offsite Worker	8.79E-01	3.99E-05	-3.72E-03	-1.86E-02	-2.63E-01	-1.25E-03	-1.87E-02	-1.87E-04	-2.23E-02	-3.72E-02	-1.42E-02	-2.36E-03	-2.16E-02	-7.19E-04	-1.30E+01	-1.08E-01
277	371851	755372	Offsite Worker	3.24E-01	1.47E-05	-2.75E-03	-1.38E-02	-1.93E-01	-9.21E-04	-1.38E-02	-1.38E-04	-1.65E-02	-2.75E-02	-1.05E-02	-1.75E-03	-1.60E-02	-5.32E-04	-9.62E+00	-8.02E-02
278	371755	755375	Offsite Worker	-3.38E-01	-1.54E-05	-1.87E-03	-9.34E-03	-1.33E-01	-6.35E-04	-9.31E-03	-9.31E-05	-1.12E-02	-1.87E-02	-7.13E-03	-1.19E-03	-1.08E-02	-3.61E-04	-6.54E+00	-5.45E-02
279	371658	755378	Offsite Worker	7.37E-01	3.35E-05	-1.93E-03	-9.67E-03	-1.42E-01	-6.74E-04	-9.71E-03	-9.71E-05	-1.16E-02	-1.93E-02	-7.41E-03	-1.24E-03	-1.12E-02	-3.74E-04	-6.80E+00	-5.66E-02
280	371562	755382	Offsite Worker	1.16E+00	5.26E-05	-1.50E-03	-7.50E-03	-1.06E-01	-5.04E-04	-7.31E-03	-7.31E-05	-9.00E-03	-1.50E-02	-5.72E-03	-9.53E-04	-8.70E-03	-2.90E-04	-5.24E+00	-4.37E-02
281	371465	755385	Offsite Worker	2.20E+00	1.00E-04	-2.13E-03	-1.06E-02	-1.51E-01	-7.18E-04	-1.05E-02	-1.05E-04	-1.28E-02	-2.13E-02	-8.12E-03	-1.35E-03	-1.24E-02	-4.12E-04	-7.45E+00	-6.21E-02
282	371368	755388	Offsite Worker	2.21E+00	1.00E-04	-2.57E-03	-1.28E-02	-1.88E-01	-8.95E-04	-1.28E-02	-1.28E-04	-1.54E-02	-2.57E-02	-9.84E-03	-1.64E-03	-1.49E-02	-4.97E-04	-9.03E+00	-7.52E-02
283	371272	755391	Offsite Worker	4.97E+00	2.26E-04	-1.59E-03	-7.97E-03	-1.19E-01	-5.65E-04	-7.67E-03	-7.67E-05	-9.57E-03	-1.59E-02	-6.12E-03	-1.02E-03	-9.25E-03	-3.08E-04	-5.61E+00	-4.68E-02
284	371175	755395	Offsite Worker	6.82E+00	3.10E-04	-5.51E-04	-2.76E-03	-4.37E-02	-2.08E-04	-2.25E-03	-2.25E-05	-3.31E-03	-5.51E-03	-2.14E-03	-3.56E-04	-3.20E-03	-1.07E-04	-1.96E+00	-1.63E-02
285	371079	755398	Offsite Worker	3.47E+00	1.58E-04	-1.24E-03	-6.19E-03	-9.32E-02	-4.44E-04	-5.95E-03	-5.95E-05	-7.42E-03	-1.24E-02	-4.76E-03	-7.93E-04	-7.18E-03	-2.39E-04	-4.36E+00	-3.64E-02
286	371042	755478	Offsite Worker	3.16E+00	1.44E-04	-8.19E-04	-4.09E-03	-6.61E-02	-3.15E-04	-3.78E-03	-3.78E-05	-4.91E-03	-8.19E-03	-3.18E-03	-5.30E-04	-4.75E-03	-1.58E-04	-2.92E+00	-2.43E-02
287	371009	755538	Offsite Worker	4.19E+00	1.90E-04	-9.19E-04	-4.59E-03	-7.49E-02	-3.57E-04	-4.32E-03	-4.32E-05	-5.51E-03	-9.19E-03	-3.58E-03	-5.96E-04	-5.33E-03	-1.78E-04	-3.28E+00	-2.73E-02
288	370975	755597	Offsite Worker	5.00E+00	2.27E-04	-1.55E-03	-7.77E-03	-1.16E-01	-5.51E-04	-7.54E-03	-7.54E-05	-9.32E-03	-1.55E-02	-5.97E-03	-9.95E-04	-9.01E-03	-3.00E-04	-5.47E+00	-4.56E-02
289	370925	755597	Offsite Worker	6.15E+00	2.80E-04	-1.31E-03	-6.53E-03	-9.34E-02	-4.45E-04	-6.12E-03	-6.12E-05	-7.83E-03	-1.31E-02	-4.99E-03	-8.31E-04	-7.57E-03	-2.52E-04	-4.57E+00	-3.81E-02
290	370860	755547	Offsite Worker	6.11E+00	2.78E-04	-8.40E-04	-4.20E-03	-5.74E-02	-2.73E-04	-3.58E-03	-3.58E-05	-5.04E-03	-8.40E-03	-3.19E-03	-5.32E-04	-4.87E-03	-1.62E-04	-2.93E+00	-2.44E-02
291	370796	755497	Offsite Worker	4.91E+00	2.23E-04	-1.73E-03	-8.65E-03	-1.21E-01	-5.79E-04	-8.12E-03	-8.12E-05	-1.04E-02	-1.73E-02	-6.59E-03	-1.10E-03	-1.00E-02	-3.34E-04	-6.05E+00	-5.04E-02
292	370733	755428	Offsite Worker	5.31E+00	2.42E-04	-3.94E-04	-1.97E-03	-2.74E-02	-1.31E-04	-1.29E-03	-1.29E-05	-2.37E-03	-3.94E-03	-1.50E-03	-2.50E-04	-2.29E-03	-7.63E-05	-1.38E+00	-1.15E-02
293	370634	755428	Offsite Worker	1.11E+01	5.04E-04	-1.17E-03	-5.84E-03	-8.19E-02	-3.90E-04	-4.90E-03	-4.90E-05	-7.01E-03	-1.17E-02	-4.45E-03	-7.41E-04	-6.77E-03	-2.26E-04	-4.08E+00	-3.40E-02
294	370536	755428	Offsite Worker	8.13E+00	3.69E-04	-2.07E-03	-1.03E-02	-1.45E-01	-6.89E-04	-9.46E-03	-9.46E-05	-1.24E-02	-2.07E-02	-7.88E-03	-1.31E-03	-1.20E-02	-4.00E-04	-7.22E+00	-6.02E-02
295	370437	755428	Offsite Worker	5.67E+00	2.58E-04	-2.09E-03	-1.05E-02	-1.47E-01	-7.01E-04	-9.56E-03	-9.56E-05	-1.26E-02	-2.09E-02	-7.98E-03	-1.33E-03	-1.21E-02	-4.05E-04	-7.32E+00	-6.10E-02
296	370338	755427	Offsite Worker	3.33E+00	1.51E-04	-3.41E-03	-1.71E-02	-2.41E-01	-1.15E-03	-1.66E-02	-1.66E-04	-2.05E-02	-3.41E-02	-1.30E-02	-2.17E-03	-1.98E-02	-6.60E-04	-1.19E+01	-9.95E-02
307	369249	755442	Offsite Worker	-6.61E+00	-3.00E-04	-1.53E-03	-7.64E-03	-1.19E-01	-5.66E-04	-7.63E-03	-7.63E-05	-9.17E-03	-1.53E-02	-5.91E-03	-9.84E-04	-8.86E-03	-2.95E-04	-5.42E+00	-4.51E-02
308	369151	755442	Offsite Worker	-5.23E+00	-2.38E-04	-1.62E-03	-8.09E-03	-1.18E-01	-5.61E-04	-7.91E-03	-7.91E-05	-9.71E-03	-1.62E-02	-6.19E-03	-1.03E-03	-9.38E-03	-3.13E-04	-5.68E+00	-4.73E-02
309	369052	755442	Offsite Worker	-2.88E+00	-1.31E-04	-1.12E-03	-5.58E-03	-8.16E-02	-3.89E-04	-5.28E-03	-5.28E-05	-6.69E-03	-1.12E-02	-4.27E-03	-7.12E-04	-6.47E-03	-2.16E-04	-3.92E+00	-3.27E-02
320	368035	755402	Offsite Worker	4.14E-01	1.88E-05	-9.49E-04	-4.74E-03	-7.51E-02	-3.58E-04	-4.61E-03	-4.61E-05	-5.69E-03	-9.49E-03	-3.68E-03	-6.13E-04	-5.50E-03	-1.83E-04	-3.37E+00	-2.81E-02
321	367960	755389	Offsite Worker	7.99E-01	3.63E-05	-9.28E-04	-4.64E-03	-7.42E-02	-3.53E-04	-4.52E-03	-4.52E-05	-5.57E-03	-9.28E-03	-3.60E-03	-6.00E-04	-5.38E-03	-1.79E-04	-3.30E+00	-2.75E-02
322	367863	755390	Offsite Worker	1.12E+00	5.10E-05	-9.20E-04	-4.60E-03	-7.69E-02	-3.66E-04	-4.51E-03	-4.51E-05	-5.52E-03	-9.20E-03	-3.59E-03	-5.99E-04	-5.34E-03	-1.78E-04	-3.29E+00	-2.75E-02
323	367766	755392	Offsite Worker	1.40E+00	6.37E-05	-8.84E-04	-4.42E-03	-7.48E-02	-3.56E-04	-4.33E-03	-4.33E-05	-5.30E-03	-8.84E-03	-3.46E-03	-5.76E-04	-5.13E-03	-1.71E-04	-3.17E+00	-2.64E-02
324	367669	755393	Offsite Worker	1.68E+00	7.64E-05	-8.47E-04	-4.23E-03	-7.29E-02	-3.47E-04	-4.15E-03	-4.15E-05	-5.08E-03	-8.47E-03	-3.32E-03	-5.54E-04	-4.91E-03	-1.64E-04	-3.05E+00	-2.54E-02
325	367572	755394	Offsite Worker	2.00E+00	9.09E-05	-7.99E-04	-3.99E-03	-7.01E-02	-3.34E-04	-3.91E-03	-3.91E-05	-4.79E-03	-7.99E-03	-3.14E-03	-5.24E-04	-4.63E-03	-1.54E-04	-2.88E+00	-2.40E-02
326	367475	755395	Offsite Worker	2.06E+00	9.37E-05	-7.40E-04	-3.70E-03	-6.34E-02	-3.02E-04	-3.60E-03	-3.60E-05	-4.44E-03	-7.40E-03	-2.90E-03	-4.84E-04	-4.29E-03	-1.43E-04	-2.66E+00	-2.22E-02
327	370400	756850	On-Site Occupational	-2.33E+01	-1.06E-03	-4.34E-03	-2.17E-02	-3.21E-01	-1.53E-03	-2.16E-02	-2.16E-04	-2.60E-02	-4.34E-02	-1.66E-02	-2.77E-03	-2.51E-02	-8.38E-04	-1.53E+01	-1.27E-01
1	367379	755396	Recreational	2.19E+00	9.94E-05	-6.88E-04	-3.44E-03	-5.80E-02	-2.76E-04	-3.31E-03	-3.31E-05	-4.13E-03	-6.88E-03	-2.69E-03	-4.49E-04	-3.99E-03	-1.33E-04	-2.47E+00	-2.06E-02
2	367340	755485	Recreational	1.87E+00	8.49E-05	-5.68E-04	-2.84E-03	-4.82E-02	-2.30E-04	-2.65E-03	-2.65E-05	-3.41E-03	-5.68E-03	-2.22E-03	-3.70E-04	-3.29E-03	-1.10E-04	-2.04E+00	-1.70E-02
3	367301	755573	Recreational	1.44E+00	6.55E-05	-7.38E-04	-3.69E-03	-5.96E-02	-2.84E-04	-3.52E-03	-3.52E-05	-4.43E-03	-7.38E-03	-2.87E-03	-4.78E-04	-4.28E-03	-1.43E-04	-2.63E+00	-2.19E-02
4	367263	755661	Recreational	2.05E+00	9.33E-05	-7.84E-04	-3.92E-03	-6.14E-02	-2.92E-04	-3.75E-03	-3.75E-05	-4.70E-03	-7.84E-03	-3.03E-03	-5.05E-04	-4.55E-03	-1.52E-04	-2.78E+00	-2.32E-02
5	367224	755749	Recreational	3.35E+00	1.52E-04	-8.92E-04	-4.46E-03	-6.75E-02	-3.22E-04	-4.31E-03	-4.31E-05	-5.35E-03	-8.92E-03	-3.43E-03	-5.72E-04	-5.17E-03	-1.72E-04	-3.15E+00	-2.62E-02
6	367186	755838	Recreational	3.46E+00	1.57E-04	-7.02E-04	-3.51E-03	-5.60E-02	-2.67E-04	-3.37E-03	-3.37E-05	-4.21E-03	-7.02E-03	-2.72E-03	-4.54E-04	-4.07E-03	-1.36E-04	-2.50E+00	-2.08E-02
7	367147	755926	Recreational	1.69E+00	7.69E-05	-7.11E-04	-3.55E-03	-4.89E-02	-2.33E-04	-3.27E-03	-3.27E-05	-4.27E-03	-7.11E-03	-2.70E-03	-4.50E-04	-4.12E-03	-1.37E-04	-2.48E+00	-2.06E-02
8	367109	756014	Recreational	1.10E+00	5.02E-05	-8.80E-04	-4.40E-03	-6.17E-02	-2.94E-04	-4.12E-03	-4.12E-05	-5.28E-03	-8.80E-03	-3.35E-03	-5.59E-04	-5.10E-03	-1.70E-04	-3.07E+00	-2.56E-02
9	367070	756103	Recreational	1.07E+00	4.87E-05	-1.04E-03	-5.22E-03	-7.78E-02	-3.71E-04	-5.04E-03	-5.04E-05	-6.26E-03	-1.04E-02	-4.01E-03	-6.68E-04	-6.06E-03	-2.02E-04	-3.68E+00	-3.06E-02
10	367032	756191	Recreational	1.32E+00	6.00E-05	-1.16E-03	-5.78E-03	-8.41E-02	-4.00E-04	-5.58E-03	-5.58E-05	-6.94E-03	-1.16E-02	-4.43E-03	-7.38E-04	-6.71E-03	-2.24E-04	-4.06E+00	-3.38E-02
11	366993	756279	Recreational	1.24E+00	5.65E-05	-8.71E-04	-4.35E-03	-6.18E-02	-2.94E-04	-4.06E-03	-4.06E-05	-5.22E-03	-8.71E-03	-3.32E-03	-5.54E-04	-5.05E-03	-1.68E-04	-3.05E+00	-2.54E-02
12	366954	756367	Recreational	7.58E-01	3.44E-05	-6.93E-04	-3.46E-03	-4.97E-02	-2.37E-04	-3.17E-03	-3.17E-05	-4.16E-03	-6.93E-03	-2.65E-03	-4.41E-04	-4.02E-03	-1.34E-04	-2.43E+00	-2.02E-02
13	366916	756456	Recreational	1.01E+00	4.60E-05	-6.37E-04	-3.18E-03	-4.92E-02	-2.34E-04	-2.97E-03	-2.97E-05	-3.82E-03	-6.37E-03	-2.46E-03	-4.10E-04	-3.69E-03	-1.23E-04	-2.25E+00	-1.88E-02
14	366877	756544	Recreational	3.62E-01	1.65E-05	-6.35E-04	-3.17E-03	-4.76E-02	-2.27E-04	-2.98E-03	-2.98E-05	-3.81E-03	-6.35E-03	-2.44E-03	-4.07E-04	-3.68E-03	-1.23E-04	-2.24E+00	-1.86E-02
15	366839	756632	Recreational	1.26E-01	5.74E-06	-8.66E-04	-4.33E-03	-6.57E-02	-3.13E-04	-4.21E-03	-4.21E-05	-5.19E-03	-8.66E-03	-3.33E-03	-5.55E-04	-5.02E-03	-1.67E-04	-3.06E+00	-2.55E-02
16	366800	756720	Recreational	-7.92E-01	-3.60E-05	-8.65E-04	-4.33E-03	-6.78E-02	-3.23E-04	-4.28E-03	-4.28E-05	-5.19E-03	-8.65E-03	-3.35E-03	-5.58E-04	-5.02E-03	-1.67E-04	-3.07E+00	-2.56E-02
17	366762	756809	Recreational	-6.74E-01	-3.06E-05	-6.08E-04	-3.04E-03	-5.01E-02	-2.39E-04	-2.99E-03	-2.99E-05	-3.65E-03	-6.08E-03	-2.37E-03	-3.95E-04	-3.52E-03	-1.17E-04	-2.17E+00	-1.81E-02
18	366723	756897	Recreational	-3.59E-01	-1.63E-05	-8.19E-04	-4.09E-03	-6.22E-02	-2.96E-04	-4.01E-03	-4.01E-05	-4.91E-03	-8.19E-03	-3.15E-03	-5.26E-04	-4.75E-03	-1.58E-04	-2.89E+00	-2.41E-02

Table 3-5B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Minimum Range
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m³)	xylene, total Acute Hazard	arsenic (µg/m³)	arsenic Acute Hazard	chlorine (µg/m³)	chlorine Acute Hazard	copper (µg/m³)	copper Acute Hazard	mercury (µg/m³)	mercury Acute Hazard	nickel (µg/m³)	nickel Acute Hazard	vanadium (µg/m³)	vanadium Acute Hazard	sulfates (µg/m³)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
19	366685	756985	Recreational	-6.07E-01	-2.76E-05	-1.22E-03	-6.10E-03	-8.95E-02	-4.26E-04	-6.04E-03	-6.04E-05	-7.32E-03	-1.22E-02	-4.67E-03	-7.79E-04	-7.07E-03	-2.36E-04	-4.29E+00	-3.57E-02
20	366646	757074	Recreational	-8.72E-01	-3.96E-05	-1.23E-03	-6.13E-03	-8.77E-02	-4.18E-04	-6.05E-03	-6.05E-05	-7.35E-03	-1.23E-02	-4.68E-03	-7.80E-04	-7.11E-03	-2.37E-04	-4.29E+00	-3.58E-02
21	366607	757162	Recreational	-7.85E-01	-3.57E-05	-1.05E-03	-5.25E-03	-7.64E-02	-3.64E-04	-5.18E-03	-5.18E-05	-6.30E-03	-1.05E-02	-4.02E-03	-6.70E-04	-6.09E-03	-2.03E-04	-3.69E+00	-3.07E-02
22	366569	757250	Recreational	-6.80E-01	-3.09E-05	-9.80E-04	-4.90E-03	-6.89E-02	-3.28E-04	-4.80E-03	-4.80E-05	-5.88E-03	-9.80E-03	-3.73E-03	-6.22E-04	-5.68E-03	-1.89E-04	-3.42E+00	-2.85E-02
23	366530	757338	Recreational	-6.80E-01	-3.09E-05	-9.77E-04	-4.88E-03	-6.90E-02	-3.29E-04	-4.78E-03	-4.78E-05	-5.86E-03	-9.77E-03	-3.72E-03	-6.21E-04	-5.66E-03	-1.89E-04	-3.42E+00	-2.85E-02
24	366492	757427	Recreational	-7.83E-02	-3.56E-06	-8.79E-04	-4.39E-03	-6.17E-02	-2.94E-04	-4.27E-03	-4.27E-05	-5.27E-03	-8.79E-03	-3.35E-03	-5.58E-04	-5.10E-03	-1.70E-04	-3.07E+00	-2.56E-02
25	366453	757515	Recreational	6.38E-01	2.90E-05	-7.21E-04	-3.60E-03	-5.26E-02	-2.50E-04	-3.49E-03	-3.49E-05	-4.32E-03	-7.21E-03	-2.76E-03	-4.60E-04	-4.18E-03	-1.39E-04	-2.53E+00	-2.11E-02
26	366415	757603	Recreational	1.39E+00	6.30E-05	-7.04E-04	-3.52E-03	-5.35E-02	-2.55E-04	-3.44E-03	-3.44E-05	-4.23E-03	-7.04E-03	-2.71E-03	-4.52E-04	-4.08E-03	-1.36E-04	-2.49E+00	-2.07E-02
27	366376	757692	Recreational	1.67E+00	7.58E-05	-6.33E-04	-3.16E-03	-5.01E-02	-2.39E-04	-3.10E-03	-3.10E-05	-3.80E-03	-6.33E-03	-2.45E-03	-4.09E-04	-3.67E-03	-1.22E-04	-2.25E+00	-1.87E-02
84	369336	758100	Recreational	-3.45E+00	-1.57E-04	-2.18E-03	-1.09E-02	-1.60E-01	-7.61E-04	-1.08E-02	-1.08E-04	-1.31E-02	-2.18E-02	-8.34E-03	-1.39E-03	-1.26E-02	-4.21E-04	-7.65E+00	-6.38E-02
85	369269	758170	Recreational	-3.89E+00	-1.77E-04	-2.16E-03	-1.08E-02	-1.60E-01	-7.62E-04	-1.09E-02	-1.09E-04	-1.30E-02	-2.16E-02	-8.30E-03	-1.38E-03	-1.25E-02	-4.18E-04	-7.61E+00	-6.34E-02
86	369202	758239	Recreational	-2.08E+00	-9.46E-05	-1.74E-03	-8.69E-03	-1.31E-01	-6.22E-04	-8.71E-03	-8.71E-05	-1.04E-02	-1.74E-02	-6.69E-03	-1.11E-03	-1.01E-02	-3.36E-04	-6.13E+00	-5.11E-02
87	369264	758285	Recreational	-3.85E+00	-1.75E-04	-1.98E-03	-9.92E-03	-1.46E-01	-6.94E-04	-9.92E-03	-9.92E-05	-1.19E-02	-1.98E-02	-7.60E-03	-1.27E-03	-1.15E-02	-3.83E-04	-6.97E+00	-5.81E-02
88	369326	758330	Recreational	-2.68E+00	-1.22E-04	-1.67E-03	-8.36E-03	-1.23E-01	-5.85E-04	-8.27E-03	-8.27E-05	-1.00E-02	-1.67E-02	-6.41E-03	-1.07E-03	-9.69E-03	-3.23E-04	-5.88E+00	-4.90E-02
89	369389	758376	Recreational	-2.23E+00	-1.01E-04	-1.26E-03	-6.29E-03	-9.16E-02	-4.36E-04	-6.10E-03	-6.10E-05	-7.55E-03	-1.26E-02	-4.82E-03	-8.03E-04	-7.29E-03	-2.43E-04	-4.42E+00	-3.68E-02
90	369389	758462	Recreational	-2.26E+00	-1.03E-04	-1.19E-03	-5.95E-03	-8.68E-02	-4.14E-04	-5.76E-03	-5.76E-05	-7.14E-03	-1.19E-02	-4.56E-03	-7.59E-04	-6.90E-03	-2.30E-04	-4.18E+00	-3.48E-02
91	369389	758548	Recreational	-2.07E+00	-9.42E-05	-1.17E-03	-5.87E-03	-8.75E-02	-4.16E-04	-5.72E-03	-5.72E-05	-7.05E-03	-1.17E-02	-4.51E-03	-7.52E-04	-6.81E-03	-2.27E-04	-4.14E+00	-3.45E-02
28	366338	757780	Residential	1.87E+00	8.51E-05	-5.22E-04	-2.61E-03	-4.18E-02	-1.99E-04	-2.52E-03	-2.52E-05	-3.13E-03	-5.22E-03	-2.03E-03	-3.38E-04	-3.03E-03	-1.01E-04	-1.86E+00	-1.55E-02
29	366402	757746	Residential	1.86E+00	8.45E-05	-5.37E-04	-2.68E-03	-4.30E-02	-2.05E-04	-2.59E-03	-2.59E-05	-3.22E-03	-5.37E-03	-2.08E-03	-3.47E-04	-3.11E-03	-1.04E-04	-1.91E+00	-1.59E-02
30	366467	757713	Residential	1.86E+00	8.44E-05	-5.53E-04	-2.76E-03	-4.44E-02	-2.11E-04	-2.68E-03	-2.68E-05	-3.32E-03	-5.53E-03	-2.15E-03	-3.58E-04	-3.21E-03	-1.07E-04	-1.97E+00	-1.64E-02
31	366531	757679	Residential	1.86E+00	8.43E-05	-5.79E-04	-2.90E-03	-4.64E-02	-2.21E-04	-2.82E-03	-2.82E-05	-3.48E-03	-5.79E-03	-2.25E-03	-3.75E-04	-3.36E-03	-1.12E-04	-2.06E+00	-1.72E-02
32	366567	757773	Residential	2.04E+00	9.29E-05	-4.95E-04	-2.48E-03	-3.98E-02	-1.90E-04	-2.36E-03	-2.36E-05	-2.97E-03	-4.95E-03	-1.92E-03	-3.20E-04	-2.87E-03	-9.57E-05	-1.76E+00	-1.47E-02
33	366625	757758	Residential	2.09E+00	9.48E-05	-4.93E-04	-2.46E-03	-3.97E-02	-1.89E-04	-2.34E-03	-2.34E-05	-2.96E-03	-4.93E-03	-1.91E-03	-3.19E-04	-2.86E-03	-9.52E-05	-1.75E+00	-1.46E-02
34	366682	757744	Residential	2.13E+00	9.67E-05	-4.90E-04	-2.45E-03	-3.95E-02	-1.88E-04	-2.32E-03	-2.32E-05	-2.94E-03	-4.90E-03	-1.90E-03	-3.17E-04	-2.84E-03	-9.47E-05	-1.74E+00	-1.45E-02
35	366768	757788	Residential	2.09E+00	9.52E-05	-4.97E-04	-2.49E-03	-4.03E-02	-1.92E-04	-2.35E-03	-2.35E-05	-2.98E-03	-4.97E-03	-1.93E-03	-3.22E-04	-2.88E-03	-9.61E-05	-1.77E+00	-1.48E-02
36	366854	757833	Residential	1.92E+00	8.72E-05	-5.47E-04	-2.74E-03	-4.40E-02	-2.10E-04	-2.61E-03	-2.61E-05	-3.28E-03	-5.47E-03	-2.12E-03	-3.54E-04	-3.17E-03	-1.06E-04	-1.95E+00	-1.62E-02
37	366941	757877	Residential	1.52E+00	6.92E-05	-6.28E-04	-3.14E-03	-4.99E-02	-2.38E-04	-3.03E-03	-3.03E-05	-3.77E-03	-6.28E-03	-2.43E-03	-4.06E-04	-3.64E-03	-1.21E-04	-2.23E+00	-1.86E-02
38	367027	757922	Residential	1.09E+00	4.97E-05	-7.06E-04	-3.53E-03	-5.57E-02	-2.65E-04	-3.45E-03	-3.45E-05	-4.23E-03	-7.06E-03	-2.73E-03	-4.55E-04	-4.09E-03	-1.36E-04	-2.51E+00	-2.09E-02
39	367113	757966	Residential	7.08E-01	3.22E-05	-7.35E-04	-3.67E-03	-5.73E-02	-2.73E-04	-3.59E-03	-3.59E-05	-4.41E-03	-7.35E-03	-2.84E-03	-4.73E-04	-4.26E-03	-1.42E-04	-2.61E+00	-2.17E-02
40	367192	757916	Residential	7.74E-01	3.52E-05	-7.50E-04	-3.75E-03	-5.90E-02	-2.81E-04	-3.67E-03	-3.67E-05	-4.50E-03	-7.50E-03	-2.90E-03	-4.84E-04	-4.35E-03	-1.45E-04	-2.66E+00	-2.22E-02
41	367264	757916	Residential	6.00E-01	2.73E-05	-7.72E-04	-3.86E-03	-6.03E-02	-2.87E-04	-3.78E-03	-3.78E-05	-4.63E-03	-7.72E-03	-2.98E-03	-4.97E-04	-4.48E-03	-1.49E-04	-2.74E+00	-2.28E-02
42	367335	757916	Residential	4.32E-01	1.96E-05	-7.96E-04	-3.98E-03	-6.21E-02	-2.96E-04	-3.90E-03	-3.90E-05	-4.78E-03	-7.96E-03	-3.08E-03	-5.13E-04	-4.62E-03	-1.54E-04	-2.82E+00	-2.35E-02
43	367343	757966	Residential	1.78E-01	8.10E-06	-7.56E-04	-3.78E-03	-6.03E-02	-2.87E-04	-3.69E-03	-3.69E-05	-4.54E-03	-7.56E-03	-2.93E-03	-4.89E-04	-4.39E-03	-1.46E-04	-2.69E+00	-2.24E-02
44	367404	757995	Residential	-2.08E-01	-9.44E-06	-7.21E-04	-3.61E-03	-5.77E-02	-2.75E-04	-3.49E-03	-3.49E-05	-4.33E-03	-7.21E-03	-2.80E-03	-4.66E-04	-4.18E-03	-1.39E-04	-2.57E+00	-2.14E-02
45	367465	758024	Residential	-7.65E-01	-3.48E-05	-8.99E-04	-4.49E-03	-7.16E-02	-3.41E-04	-4.40E-03	-4.40E-05	-5.39E-03	-8.99E-03	-3.48E-03	-5.81E-04	-5.21E-03	-1.74E-04	-3.20E+00	-2.66E-02
55	367673	758189	Residential	-1.92E+00	-8.73E-05	-1.22E-03	-6.09E-03	-9.50E-02	-4.52E-04	-6.14E-03	-6.14E-05	-7.31E-03	-1.22E-02	-4.71E-03	-7.85E-04	-7.07E-03	-2.36E-04	-4.32E+00	-3.60E-02
59	367816	758096	Residential	-1.95E+00	-8.87E-05	-1.31E-03	-6.56E-03	-1.02E-01	-4.84E-04	-6.60E-03	-6.60E-05	-7.88E-03	-1.31E-02	-5.07E-03	-8.45E-04	-7.62E-03	-2.54E-04	-4.65E+00	-3.88E-02
60	367898	758066	Residential	-2.04E+00	-9.26E-05	-1.33E-03	-6.64E-03	-1.04E-01	-4.94E-04	-6.68E-03	-6.68E-05	-7.97E-03	-1.33E-02	-5.13E-03	-8.56E-04	-7.70E-03	-2.57E-04	-4.71E+00	-3.92E-02
61	367980	758035	Residential	-2.20E+00	-9.99E-05	-1.35E-03	-6.74E-03	-1.06E-01	-5.05E-04	-6.79E-03	-6.79E-05	-8.09E-03	-1.35E-02	-5.22E-03	-8.70E-04	-7.82E-03	-2.61E-04	-4.79E+00	-3.99E-02
62	368062	758005	Residential	-2.31E+00	-1.05E-04	-1.38E-03	-6.92E-03	-1.10E-01	-5.22E-04	-6.99E-03	-6.99E-05	-8.31E-03	-1.38E-02	-5.36E-03	-8.94E-04	-8.03E-03	-2.68E-04	-4.92E+00	-4.10E-02
63	368144	757975	Residential	-2.54E+00	-1.15E-04	-1.44E-03	-7.18E-03	-1.14E-01	-5.44E-04	-7.26E-03	-7.26E-05	-8.62E-03	-1.44E-02	-5.57E-03	-9.28E-04	-8.33E-03	-2.78E-04	-5.11E+00	-4.25E-02
64	368226	757945	Residential	-2.67E+00	-1.21E-04	-1.48E-03	-7.39E-03	-1.18E-01	-5.60E-04	-7.46E-03	-7.46E-05	-8.87E-03	-1.48E-02	-5.73E-03	-9.56E-04	-8.58E-03	-2.86E-04	-5.26E+00	-4.38E-02
65	368301	757943	Residential	-2.64E+00	-1.20E-04	-1.39E-03	-6.95E-03	-1.11E-01	-5.30E-04	-6.99E-03	-6.99E-05	-8.34E-03	-1.39E-02	-5.39E-03	-8.99E-04	-8.06E-03	-2.69E-04	-4.94E+00	-4.12E-02
66	368376	757941	Residential	-2.26E+00	-1.03E-04	-1.28E-03	-6.39E-03	-1.02E-01	-4.84E-04	-6.38E-03	-6.38E-05	-7.67E-03	-1.28E-02	-4.96E-03	-8.26E-04	-7.42E-03	-2.47E-04	-4.54E+00	-3.79E-02
67	368452	757940	Residential	-1.47E+00	-6.69E-05	-1.16E-03	-5.82E-03	-9.04E-02	-4.30E-04	-5.70E-03	-5.70E-05	-6.98E-03	-1.16E-02	-4.49E-03	-7.49E-04	-6.75E-03	-2.25E-04	-4.12E+00	-3.43E-02
68	368527	757938	Residential	-6.06E-01	-2.76E-05	-1.00E-03	-5.00E-03	-7.80E-02	-3.71E-04	-4.80E-03	-4.80E-05	-6.00E-03	-1.00E-02	-3.86E-03	-6.44E-04	-5.80E-03	-1.93E-04	-3.54E+00	-2.95E-02
69	368563	757880	Residential	-9.66E-01	-4.39E-05	-1.11E-03	-5.56E-03	-8.61E-02	-4.10E-04	-5.38E-03	-5.38E-05	-6.67E-03	-1.11E-02	-4.29E-03	-7.15E-04	-6.45E-03	-2.15E-04	-3.94E+00	-3.28E-02
70	368636	757926	Residential	-5.62E-01	-2.56E-05	-7.70E-04	-3.85E-03	-6.01E-02	-2.86E-04	-3.59E-03	-3.59E-05	-4.62E-03	-7.70E-03	-2.98E-03	-4.96E-04	-4.46E-03	-1.49E-04	-2.73E+00	-2.27E-02
71	368709	757971	Residential	-3.32E-02	-1.51E-06	-1.20E-03	-6.01E-03	-9.07E-02	-4.32E-04	-5.88E-03	-5.88E-05	-7.21E-03	-1.20E-02	-4.62E-03	-7.70E-04	-6.97E-03	-2.32E-04	-4.24E+00	-3.53E-02
72	368782	758017	Residential	-1.67E+00	-7.60E-05	-1.66E-03	-8.29E-03	-1.24E-01	-5.88E-04	-8.36E-03	-8.36E-05	-9.95E-03	-1.66E-02	-6.37E-03	-1.06E-03	-9.62E-03	-3.21E-04	-5.84E+00	-4.87E-02
73	368855	758062	Residential	-2.30E+00	-1.05E-04	-1.61E-03	-8.03E-03	-1.19E-01	-5.67E-04	-8.01E-03	-8.01E-05	-9.63E-03	-1.61E-02	-6.16E-03	-1.03E-03	-9.31E-03	-3.10E-04	-5.65E+00	-4.71E-02
74	368928	758108	Residential	-4.43E+00	-2.01E-04	-2.84E-03	-1.42E-02	-2.06E-01	-9.79E-04	-1.43E-02	-1.43E-04	-1.70E-02	-2.84E-02	-1.09E-02	-1.81E-03	-1.65E-02	-5.49E-04	-9.96E+00	-8.30E-02
75	369001	758153	Residential	-3.02E+00	-1.37E-04	-2.24E-03	-1.12E-02	-1.63E-01	-7.78E-04	-1.11E-02	-1.11E-04	-1.34E-02	-2.24E-02	-8.57E-03	-1.43E-03	-1.30E-02	-4.32E-04	-7.86E+00	-6.55E-02
76	369058	758074	Residential	-2.93E+00	-1.33E-04	-2.24E-03	-1.12E-02	-1.64E-01	-7.81E-04	-1.11E-02	-1.11E-04	-1.34E-02	-2.24E-02	-8.59E-03	-1.43E-03	-1.30E-02	-4.33E-04	-7.88E+00	-6.56E-02
77	369102	758103	Residential	-1.14E+00	-5.18E-05	-1.92E-03	-9.60E-03	-1.44E-01	-6.86E-04	-9.49E-03	-9.49E-05	-1.15E-02	-1.92E-02	-7.38E-03	-1.23E-03	-1.11E-02	-3.71E-04	-6.77E+00	-5.64E-02
78	369145	758132	Residential	-1.23E+00	-5.60E-05	-2.02E-03	-1.01E-02	-1.50E-01	-7.16E-04	-1.00E-02	-1.00E-04	-1.21E-02	-2.02E-02	-7.75E-03	-1.29E-03	-1.17E-02	-3.90E-04	-7.11E+00	-5.93E-02
79	369200	758065	Residential	-1.29E+00	-5.88E-05	-2.24E-03	-1.12E-02	-1.67E-01	-7.96E-04	-1.12E-02	-1.12E-04	-1.34E-02	-2.24E-02	-8.61E-03	-1.43E-03	-1.30E-02	-4.33E-04	-7.89E+00	-6.58E-02
80	369255	757998	Residential	-1.70E+00	-7.72E-05	-2.54E-03	-1.27E-02	-1.90E-01	-9.03E-04	-1.27E-02	-1.27E-04	-1.52E-02	-2.54E-02	-9.75E-03	-1.62E-03	-1.47E-02	-4.90E-04	-8.94E+00	-7.45E-02
81	369310	757931	Residential	-2.78E+00	-1.26E-04	-2.85E-03	-1.42E-02	-2.13E-01	-1.01E-03	-1.43E-02	-1.43E-04	-1.71E-02	-2.85E-02	-1.09E-02	-1.82E-03	-1.65E-02	-5.50E-04	-1.00E+01	-8.36E-02
82	369356	757981	Residential	-3.64E+00	-1.66E-04	-2.77E-03	-1.38E-02	-2.06E-01	-9.82E-04	-1.39E-02	-1.39E-04	-1.66E-02	-2.77E-02	-1.06E-02	-1.77E-03	-1.60E-02	-5.35E-04	-9.75E+00	-8.12E-02
83	369403	758031	Residential	-1.70E+00	-7.72E-05	-2.18E-03	-1.09E-02	-1.60E-01	-7.62E-04	-1.08E-02	-1.08E-04	-1.31E-02	-2.18E-02	-8.35E-03	-1.39E-03	-1.26E-02	-4.21E-04	-7.66E+00	-6.38E-02
92	369389	758634	Residential	-1.89E+00	-8.59E-05	-1.21E-03	-6.03E-03	-9.12E-02	-4.34E-04	-5.91E-03	-5.91E-05	-7.24E-03	-1.21E-02	-4.64E-03	-7.74E-04	-6.99E-03	-2.33E-04	-4.26E+00	-3.55E-02
93	369469	758630	Residential	-2.30E+00	-1.05E-04	-1.36E-03	-6.78E-03	-1.02E-01	-4.87E-04	-6.71E-03	-6.71E-05	-8.13E-03	-1.36E-02	-5.21E-03	-8.69E-04	-7.86E-03	-2.62E-04	-4.78E+00	-3.98E-02
94	369549	758625	Residential	-2.04E+00	-9.27E-05	-1.47E-03	-7.35E-03	-1.10E-01	-5.22E-04	-7.31E-03	-7.31E-05	-8.82E-03	-1.47E-02	-5.65E-03	-9.41E-04	-8.52E-03	-2.84E-04	-5.18E+00	-4.31E-02
95	369630	758621	Residential	-6.25E-01	-2.84E-05	-1.20E-03	-6.02E-03	-8.96E-02	-4.27E-04	-5.90E-03	-5.90E-05	-7.23E-03	-1.20E-02	-4.63E-03	-7.71E-04	-6.99E-03	-2.33E-04	-4.24E+00	-3.54E-02

Table 3-5B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Minimum Range
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m³)	xylene, total Acute Hazard	arsenic (µg/m³)	arsenic Acute Hazard	chlorine (µg/m³)	chlorine Acute Hazard	copper (µg/m³)	copper Acute Hazard	mercury (µg/m³)	mercury Acute Hazard	nickel (µg/m³)	nickel Acute Hazard	vanadium (µg/m³)	vanadium Acute Hazard	sulfates (µg/m³)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
96	369710	758617	Residential	-1.97E-01	-8.96E-06	-1.25E-03	-6.23E-03	-9.00E-02	-4.28E-04	-6.09E-03	-6.09E-05	-7.48E-03	-1.25E-02	-4.77E-03	-7.94E-04	-7.23E-03	-2.41E-04	-4.37E+00	-3.64E-02
97	369791	758613	Residential	-1.45E+00	-6.60E-05	-1.48E-03	-7.38E-03	-1.03E-01	-4.89E-04	-7.25E-03	-7.25E-05	-8.86E-03	-1.48E-02	-5.62E-03	-9.36E-04	-8.56E-03	-2.85E-04	-5.15E+00	-4.29E-02
98	369791	758514	Residential	-1.10E+00	-5.00E-05	-1.55E-03	-7.76E-03	-1.09E-01	-5.19E-04	-7.62E-03	-7.62E-05	-9.32E-03	-1.55E-02	-5.92E-03	-9.86E-04	-9.01E-03	-3.00E-04	-5.43E+00	-4.52E-02
99	369791	758416	Residential	-7.37E-01	-3.35E-05	-1.68E-03	-8.42E-03	-1.19E-01	-5.67E-04	-8.28E-03	-8.28E-05	-1.01E-02	-1.68E-02	-6.42E-03	-1.07E-03	-9.76E-03	-3.25E-04	-5.89E+00	-4.91E-02
100	369791	758318	Residential	-4.39E-01	-2.00E-05	-1.97E-03	-9.84E-03	-1.41E-01	-6.72E-04	-9.77E-03	-9.77E-05	-1.18E-02	-1.97E-02	-7.52E-03	-1.25E-03	-1.14E-02	-3.80E-04	-6.90E+00	-5.75E-02
101	369881	758318	Residential	-7.46E-01	-3.39E-05	-1.59E-03	-7.94E-03	-1.14E-01	-5.45E-04	-7.83E-03	-7.83E-05	-9.53E-03	-1.59E-02	-6.07E-03	-1.01E-03	-9.21E-03	-3.07E-04	-5.57E+00	-4.64E-02
102	369972	758318	Residential	-9.02E-01	-4.10E-05	-1.69E-03	-8.47E-03	-1.25E-01	-5.94E-04	-8.49E-03	-8.49E-05	-1.02E-02	-1.69E-02	-6.50E-03	-1.08E-03	-9.83E-03	-3.28E-04	-5.96E+00	-4.97E-02
103	370062	758318	Residential	-2.60E+00	-1.18E-04	-1.57E-03	-7.85E-03	-1.14E-01	-5.42E-04	-7.82E-03	-7.82E-05	-9.42E-03	-1.57E-02	-6.01E-03	-1.00E-03	-9.11E-03	-3.04E-04	-5.51E+00	-4.59E-02
104	370153	758318	Residential	-3.31E+00	-1.50E-04	-1.56E-03	-7.78E-03	-1.14E-01	-5.43E-04	-7.75E-03	-7.75E-05	-9.34E-03	-1.56E-02	-5.97E-03	-9.94E-04	-9.03E-03	-3.01E-04	-5.47E+00	-4.56E-02
105	370243	758318	Residential	-2.23E+00	-1.01E-04	-2.21E-03	-1.11E-02	-1.61E-01	-7.65E-04	-1.11E-02	-1.11E-04	-1.33E-02	-2.21E-02	-8.47E-03	-1.41E-03	-1.28E-02	-4.28E-04	-7.77E+00	-6.48E-02
111	370408	758347	Residential	-1.88E+00	-8.56E-05	-2.26E-03	-1.13E-02	-1.66E-01	-7.89E-04	-1.13E-02	-1.13E-04	-1.36E-02	-2.26E-02	-8.66E-03	-1.44E-03	-1.31E-02	-4.37E-04	-7.95E+00	-6.62E-02
112	370490	758344	Residential	-2.44E+00	-1.11E-04	-1.86E-03	-9.29E-03	-1.41E-01	-6.70E-04	-9.26E-03	-9.26E-05	-1.11E-02	-1.86E-02	-7.15E-03	-1.19E-03	-1.08E-02	-3.59E-04	-6.56E+00	-5.46E-02
113	370572	758341	Residential	-2.79E+00	-1.27E-04	-2.31E-03	-1.15E-02	-1.70E-01	-8.07E-04	-1.16E-02	-1.16E-04	-1.38E-02	-2.31E-02	-8.84E-03	-1.47E-03	-1.34E-02	-4.46E-04	-8.11E+00	-6.76E-02
114	370654	758338	Residential	-3.77E+00	-1.71E-04	-2.67E-03	-1.34E-02	-1.99E-01	-9.48E-04	-1.35E-02	-1.35E-04	-1.60E-02	-2.67E-02	-1.03E-02	-1.71E-03	-1.55E-02	-5.17E-04	-9.42E+00	-7.85E-02
115	370735	758335	Residential	-1.67E+00	-7.59E-05	-1.98E-03	-9.90E-03	-1.44E-01	-6.86E-04	-9.84E-03	-9.84E-05	-1.19E-02	-1.98E-02	-7.58E-03	-1.26E-03	-1.15E-02	-3.83E-04	-6.95E+00	-5.79E-02
116	370817	758333	Residential	-1.64E+00	-7.45E-05	-1.48E-03	-7.39E-03	-1.07E-01	-5.11E-04	-7.23E-03	-7.23E-05	-8.87E-03	-1.48E-02	-5.66E-03	-9.43E-04	-8.57E-03	-2.86E-04	-5.19E+00	-4.32E-02
130	371183	758027	Residential	-1.88E+00	-8.56E-05	-1.90E-03	-9.52E-03	-1.33E-01	-6.32E-04	-9.32E-03	-9.32E-05	-1.14E-02	-1.90E-02	-7.25E-03	-1.21E-03	-1.10E-02	-3.68E-04	-6.65E+00	-5.54E-02
131	371248	758024	Residential	-2.23E+00	-1.02E-04	-1.65E-03	-8.26E-03	-1.08E-01	-5.16E-04	-7.94E-03	-7.94E-05	-9.91E-03	-1.65E-02	-6.24E-03	-1.04E-03	-9.58E-03	-3.19E-04	-5.73E+00	-4.77E-02
132	371326	758075	Residential	-2.14E+00	-9.73E-05	-1.45E-03	-7.24E-03	-9.03E-02	-4.30E-04	-6.88E-03	-6.88E-05	-8.68E-03	-1.45E-02	-5.43E-03	-9.06E-04	-8.40E-03	-2.80E-04	-4.99E+00	-4.15E-02
133	371404	758127	Residential	-1.96E+00	-8.89E-05	-1.27E-03	-6.35E-03	-7.64E-02	-3.64E-04	-5.99E-03	-5.99E-05	-7.62E-03	-1.27E-02	-4.75E-03	-7.91E-04	-7.37E-03	-2.46E-04	-4.36E+00	-3.63E-02
134	371481	758178	Residential	-1.77E+00	-8.04E-05	-1.15E-03	-5.75E-03	-6.98E-02	-3.32E-04	-5.42E-03	-5.42E-05	-6.90E-03	-1.15E-02	-4.31E-03	-7.18E-04	-6.67E-03	-2.22E-04	-3.95E+00	-3.29E-02
135	371559	758230	Residential	-1.49E+00	-6.75E-05	-1.01E-03	-5.03E-03	-6.64E-02	-3.16E-04	-4.74E-03	-4.74E-05	-6.03E-03	-1.01E-02	-3.80E-03	-6.34E-04	-5.83E-03	-1.94E-04	-3.49E+00	-2.91E-02
136	371637	758281	Residential	-1.34E+00	-6.09E-05	-9.07E-04	-4.54E-03	-6.24E-02	-2.97E-04	-4.27E-03	-4.27E-05	-5.44E-03	-9.07E-03	-3.45E-03	-5.75E-04	-5.26E-03	-1.75E-04	-3.16E+00	-2.64E-02
137	371715	758333	Residential	-1.19E+00	-5.40E-05	-8.83E-04	-4.42E-03	-6.46E-02	-3.08E-04	-4.20E-03	-4.20E-05	-5.30E-03	-8.83E-03	-3.38E-03	-5.64E-04	-5.12E-03	-1.71E-04	-3.10E+00	-2.59E-02
138	371769	758261	Residential	-2.03E-01	-9.23E-06	-1.05E-03	-5.23E-03	-8.55E-02	-4.07E-04	-5.05E-03	-5.05E-05	-6.27E-03	-1.05E-02	-4.07E-03	-6.78E-04	-6.06E-03	-2.02E-04	-3.73E+00	-3.11E-02
139	371822	758189	Residential	1.21E+00	5.51E-05	-1.19E-03	-5.96E-03	-9.67E-02	-4.61E-04	-5.70E-03	-5.70E-05	-7.15E-03	-1.19E-02	-4.63E-03	-7.72E-04	-6.91E-03	-2.30E-04	-4.25E+00	-3.54E-02
140	371894	758160	Residential	2.48E-01	1.13E-05	-1.63E-03	-8.16E-03	-1.41E-01	-6.69E-04	-8.09E-03	-8.09E-05	-9.80E-03	-1.63E-02	-6.41E-03	-1.07E-03	-9.47E-03	-3.16E-04	-5.87E+00	-4.89E-02
141	371894	758081	Residential	-9.85E-01	-4.48E-05	-1.77E-03	-8.86E-03	-1.71E-01	-8.16E-04	-8.98E-03	-8.98E-05	-1.06E-02	-1.77E-02	-7.08E-03	-1.18E-03	-1.03E-02	-3.42E-04	-6.49E+00	-5.41E-02
142	371959	758074	Residential	-1.52E+00	-6.91E-05	-1.60E-03	-7.98E-03	-1.63E-01	-7.74E-04	-8.17E-03	-8.17E-05	-9.58E-03	-1.60E-02	-6.44E-03	-1.07E-03	-9.26E-03	-3.09E-04	-5.91E+00	-4.92E-02
155	372055	757363	Residential	-1.77E+00	-8.02E-05	-8.47E-04	-4.24E-03	-8.47E-02	-4.03E-04	-4.19E-03	-4.19E-05	-5.08E-03	-8.47E-03	-3.41E-03	-5.68E-04	-4.91E-03	-1.64E-04	-3.12E+00	-2.60E-02
297	370239	755427	Residential	1.15E+00	5.25E-05	-3.55E-03	-1.77E-02	-2.52E-01	-1.20E-03	-1.74E-02	-1.74E-04	-2.13E-02	-3.55E-02	-1.35E-02	-2.26E-03	-2.06E-02	-6.86E-04	-1.24E+01	-1.03E-01
298	370138	755427	Residential	1.17E+00	5.30E-05	-4.61E-03	-2.30E-02	-3.23E-01	-1.54E-03	-2.29E-02	-2.29E-04	-2.77E-02	-4.61E-02	-1.76E-02	-2.93E-03	-2.67E-02	-8.91E-04	-1.61E+01	-1.34E-01
299	370040	755427	Residential	-6.34E+00	-2.88E-04	-6.19E-03	-3.10E-02	-4.35E-01	-2.07E-03	-3.10E-02	-3.10E-04	-3.71E-02	-6.19E-02	-2.36E-02	-3.93E-03	-3.59E-02	-1.20E-03	-2.16E+01	-1.80E-01
300	369941	755426	Residential	-1.61E+00	-7.31E-05	-2.55E-03	-1.28E-02	-1.78E-01	-8.49E-04	-1.24E-02	-1.24E-04	-1.53E-02	-2.55E-02	-9.72E-03	-1.62E-03	-1.48E-02	-4.93E-04	-8.91E+00	-7.43E-02
301	369842	755426	Residential	-4.28E+00	-1.94E-04	-1.70E-03	-8.52E-03	-1.27E-01	-6.04E-04	-8.19E-03	-8.19E-05	-1.02E-02	-1.70E-02	-6.54E-03	-1.09E-03	-9.88E-03	-3.29E-04	-6.00E+00	-5.00E-02
304	369544	755434	Residential	-2.63E+00	-1.19E-04	-1.03E-03	-5.17E-03	-7.86E-02	-3.74E-04	-4.92E-03	-4.92E-05	-6.21E-03	-1.03E-02	-3.98E-03	-6.64E-04	-6.00E-03	-2.00E-04	-3.65E+00	-3.05E-02
305	369445	755434	Residential	-3.46E+00	-1.57E-04	-1.19E-03	-5.97E-03	-9.26E-02	-4.41E-04	-5.80E-03	-5.80E-05	-7.17E-03	-1.19E-02	-4.61E-03	-7.69E-04	-6.93E-03	-2.31E-04	-4.23E+00	-3.53E-02
306	369346	755434	Residential	-4.54E+00	-2.07E-04	-1.47E-03	-7.36E-03	-1.15E-01	-5.49E-04	-7.29E-03	-7.29E-05	-8.83E-03	-1.47E-02	-5.69E-03	-9.49E-04	-8.54E-03	-2.85E-04	-5.22E+00	-4.35E-02
310	368953	755441	Residential	-2.39E+00	-1.09E-04	-1.33E-03	-6.64E-03	-1.04E-01	-4.94E-04	-6.52E-03	-6.52E-05	-7.97E-03	-1.33E-02	-5.13E-03	-8.56E-04	-7.70E-03	-2.57E-04	-4.71E+00	-3.92E-02
311	368854	755441	Residential	-8.83E-01	-4.01E-05	-1.70E-03	-8.51E-03	-1.32E-01	-6.29E-04	-8.50E-03	-8.50E-05	-1.02E-02	-1.70E-02	-6.58E-03	-1.10E-03	-9.87E-03	-3.29E-04	-6.03E+00	-5.03E-02
312	368755	755441	Residential	7.84E-01	3.56E-05	-1.59E-03	-7.96E-03	-1.25E-01	-5.94E-04	-7.88E-03	-7.88E-05	-9.56E-03	-1.59E-02	-6.16E-03	-1.03E-03	-9.24E-03	-3.08E-04	-5.65E+00	-4.71E-02
313	368657	755441	Residential	8.01E-01	3.64E-05	-1.50E-03	-7.48E-03	-1.16E-01	-5.53E-04	-7.37E-03	-7.37E-05	-8.97E-03	-1.50E-02	-5.78E-03	-9.63E-04	-8.67E-03	-2.89E-04	-5.30E+00	-4.42E-02
314	368558	755440	Residential	-1.15E+00	-5.21E-05	-1.51E-03	-7.55E-03	-1.19E-01	-5.67E-04	-7.51E-03	-7.51E-05	-9.06E-03	-1.51E-02	-5.85E-03	-9.74E-04	-8.76E-03	-2.92E-04	-5.36E+00	-4.47E-02
315	368459	755440	Residential	-3.22E+00	-1.46E-04	-1.67E-03	-8.36E-03	-1.32E-01	-6.27E-04	-8.37E-03	-8.37E-05	-1.00E-02	-1.67E-02	-6.47E-03	-1.08E-03	-9.69E-03	-3.23E-04	-5.93E+00	-4.94E-02
316	368360	755440	Residential	-2.69E+00	-1.22E-04	-1.70E-03	-8.48E-03	-1.32E-01	-6.31E-04	-8.51E-03	-8.51E-05	-1.02E-02	-1.70E-02	-6.56E-03	-1.09E-03	-9.84E-03	-3.28E-04	-6.01E+00	-5.01E-02
317	368262	755439	Residential	-1.25E+00	-5.67E-05	-1.46E-03	-7.29E-03	-1.15E-01	-5.50E-04	-7.27E-03	-7.27E-05	-8.75E-03	-1.46E-02	-5.65E-03	-9.41E-04	-8.46E-03	-2.82E-04	-5.18E+00	-4.32E-02
318	368186	755427	Residential	-6.51E-01	-2.96E-05	-1.25E-03	-6.27E-03	-1.00E-01	-4.78E-04	-6.22E-03	-6.22E-05	-7.52E-03	-1.25E-02	-4.86E-03	-8.11E-04	-7.27E-03	-2.42E-04	-4.46E+00	-3.72E-02
319	368111	755414	Residential	-1.26E-01	-5.72E-06	-1.08E-03	-5.40E-03	-8.69E-02	-4.14E-04	-5.32E-03	-5.32E-05	-6.48E-03	-1.08E-02	-4.19E-03	-6.99E-04	-6.26E-03	-2.09E-04	-3.85E+00	-3.20E-02
46	367504	757948	School	-2.36E-01	-1.07E-05	-7.84E-04	-3.92E-03	-6.25E-02	-2.98E-04	-3.81E-03	-3.81E-05	-4.71E-03	-7.84E-03	-3.04E-03	-5.07E-04	-4.55E-03	-1.52E-04	-2.79E+00	-2.32E-02
47	367544	757873	School	-1.91E-02	-8.67E-07	-8.63E-04	-4.32E-03	-6.86E-02	-3.27E-04	-4.24E-03	-4.24E-05	-5.18E-03	-8.63E-03	-3.35E-03	-5.58E-04	-5.01E-03	-1.67E-04	-3.07E+00	-2.56E-02
48	367587	757909	School	-2.87E-01	-1.30E-05	-8.44E-04	-4.22E-03	-6.72E-02	-3.20E-04	-4.12E-03	-4.12E-05	-5.07E-03	-8.44E-03	-3.27E-03	-5.46E-04	-4.90E-03	-1.63E-04	-3.00E+00	-2.50E-02
49	367623	757866	School	-2.51E-01	-1.14E-05	-8.91E-04	-4.45E-03	-7.10E-02	-3.38E-04	-4.37E-03	-4.37E-05	-5.35E-03	-8.91E-03	-3.45E-03	-5.76E-04	-5.17E-03	-1.72E-04	-3.17E+00	-2.64E-02
50	367694	757866	School	-4.04E-01	-1.83E-05	-9.11E-04	-4.55E-03	-7.25E-02	-3.45E-04	-4.46E-03	-4.46E-05	-5.47E-03	-9.11E-03	-3.53E-03	-5.89E-04	-5.28E-03	-1.76E-04	-3.24E+00	-2.70E-02
51	367716	757927	School	-1.19E+00	-5.40E-05	-1.01E-03	-5.06E-03	-7.96E-02	-3.79E-04	-4.96E-03	-4.96E-05	-6.07E-03	-1.01E-02	-3.92E-03	-6.53E-04	-5.87E-03	-1.96E-04	-3.59E+00	-2.99E-02
52	367737	757988	School	-1.64E+00	-7.46E-05	-1.22E-03	-6.08E-03	-9.51E-02	-4.53E-04	-6.04E-03	-6.04E-05	-7.30E-03	-1.22E-02	-4.70E-03	-7.84E-04	-7.06E-03	-2.35E-04	-4.31E+00	-3.60E-02
53	367727	758067	School	-2.05E+00	-9.31E-05	-1.33E-03	-6.66E-03	-1.04E-01	-4.93E-04	-6.67E-03	-6.67E-05	-7.99E-03	-1.33E-02	-5.14E-03	-8.57E-04	-7.72E-03	-2.57E-04	-4.72E+00	-3.93E-02
54	367716	758146	School	-1.94E+00	-8.82E-05	-1.28E-03	-6.38E-03	-9.85E-02	-4.69E-04	-6.41E-03	-6.41E-05	-7.65E-03	-1.28E-02	-4.92E-03	-8.20E-04	-7.40E-03	-2.47E-04	-4.51E+00	-3.76E-02
56	367723	758254	School	-1.36E+00	-6.16E-05	-1.17E-03	-5.84E-03	-9.20E-02	-4.38E-04	-5.90E-03	-5.90E-05	-7.00E-03	-1.17E-02	-4.52E-03	-7.53E-04	-6.77E-03	-2.26E-04	-4.14E+00	-3.45E-02
57	367784	758221	School	-1.48E+00	-6.71E-05	-1.19E-03	-5.97E-03	-9.44E-02	-4.50E-04	-6.04E-03	-6.04E-05	-7.16E-03	-1.19E-02	-4.62E-03	-7.70E-04	-6.92E-03	-2.31E-04	-4.24E+00	-3.53E-02
58	367845	758189	School	-1.61E+00	-7.32E-05	-1.21E-03	-6.07E-03	-9.65E-02	-4.59E-04	-6.15E-03	-6.15E-05	-7.29E-03	-1.21E-02	-4.71E-03	-7.85E-04	-7.05E-03	-2.35E-04	-4.32E+00	-3.60E-02
106	370247	758254	School	-2.43E+00	-1.10E-04	-2.29E-03	-1.14E-02	-1.66E-01	-7.91E-04	-1.15E-02	-1.15E-04	-1.37E-02	-2.29E-02	-8.75E-03	-1.46E-03	-1.33E-02	-4.42E-04	-8.03E+00	-6.69E-02
107	370250	758189	School	-2.70E+00	-1.23E-04	-2.33E-03	-1.16E-02	-1.70E-01	-8.07E-04	-1.17E-02	-1.17E-04	-1.40E-02	-2.33E-02	-8.92E-03	-1.49E-03	-1.35E-02	-4.50E-04	-8.18E+00	-6.82E-02
108	370308	758196	School	-2.22E+00	-1.01E-04	-2.00E-03	-1.00E-02	-1.46E-01	-6.96E-04	-1.00E-02	-1.00E-04	-1.20E-02	-2.00E-02	-7.68E-03	-1.28E-03	-1.16E-02	-3.88E-04	-7.04E+00	-5.87E-02
109	370361	758236	School	-2.36E+00	-1.07E-04	-2.11E-03	-1.06E-02	-1.53E-01	-7.28E-04	-1.06E-02	-1.06E-04	-1.27E-02	-2.11E-02	-8.08E-03	-1.35E-03	-1.22E-02	-4.08E-04	-7.41E+00	-6.17E-02
110	370415	758275	School	-1.96E+00	-8.89E-05	-2.39E-03	-1.19E-02	-1.74E-01	-8.31E-04	-1.19E-02	-1.19E-04	-1.43E-02	-2.39E-02	-9.14E-03	-1.52E-03	-1.38E-02	-4.61E-04	-8.39E+00	-6.99E-02

Table 3-5B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Minimum Range
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m^3)	xylene, total Acute Hazard	arsenic (µg/m^3)	arsenic Acute Hazard	chlorine (µg/m^3)	chlorine Acute Hazard	copper (µg/m^3)	copper Acute Hazard	mercury (µg/m^3)	mercury Acute Hazard	nickel (µg/m^3)	nickel Acute Hazard	vanadium (µg/m^3)	vanadium Acute Hazard	sulfates (µg/m^3)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
302	369741	755435	School	-4.71E+00	-2.14E-04	-2.12E-03	-1.06E-02	-1.53E-01	-7.28E-04	-1.04E-02	-1.04E-04	-1.27E-02	-2.12E-02	-8.12E-03	-1.35E-03	-1.23E-02	-4.11E-04	-7.45E+00	-6.21E-02
303	369643	755434	School	-4.16E+00	-1.89E-04	-1.86E-03	-9.30E-03	-1.35E-01	-6.45E-04	-9.09E-03	-9.09E-05	-1.12E-02	-1.86E-02	-7.12E-03	-1.19E-03	-1.08E-02	-3.60E-04	-6.53E+00	-5.44E-02

Note: Shaded cells indicate locations where concentrations were highest within each land use category.

Table 3-6A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Maximum Range Construction and Operation TAC Concentrations

Receptor Location	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
Commercial - Onsite																	
Maximum Onsite Concentration-->	-2.12E+00	1.68E+00	-5.87E+00	-2.33E+00	1.10E+00	-1.02E+00	5.33E-01	-6.20E-02	-1.11E+01	-9.86E+00	-3.72E-03	-2.32E-01	-1.81E-02	-2.23E-02	-1.40E-02	-2.16E-02	-1.28E+01
Commercial - Offsite																	
Maximum Offsite Concentration-->	6.57E+00	3.85E+00	9.62E+00	2.09E+01	3.04E+00	-2.81E-02	1.15E+00	7.61E-01	1.15E+01	1.08E+01	2.32E-03	1.84E-01	1.29E-02	1.39E-02	9.00E-03	1.35E-02	8.25E+00
Average Offsite Concentration-->	1.97E+00	1.77E+00	3.16E-01	6.82E+00	1.29E+00	-2.25E-01	5.34E-01	1.88E-01	-1.21E+00	-1.04E+00	-1.84E-03	-1.30E-01	-9.01E-03	-1.11E-02	-7.03E-03	-1.07E-02	-6.45E+00
Minimum Offsite Concentration-->	-2.01E+00	-3.27E-01	-4.91E+00	-5.08E+00	-3.55E-01	-6.66E-01	-8.65E-02	-2.26E-01	-8.06E+00	-6.93E+00	-1.11E-02	-7.73E-01	-5.61E-02	-6.63E-02	-4.21E-02	-6.41E-02	-3.86E+01
Recreational																	
Maximum Offsite Concentration-->	5.01E+00	3.26E+00	2.66E+00	1.52E+01	2.43E+00	-9.53E-02	9.74E-01	4.28E-01	1.78E+00	1.66E+00	-4.19E-04	-2.61E-02	-1.77E-03	-2.51E-03	-1.57E-03	-2.43E-03	-1.44E+00
Average Offsite Concentration-->	2.44E+00	1.78E+00	9.58E-01	7.96E+00	1.32E+00	-1.36E-01	5.36E-01	2.14E-01	-1.42E-01	-1.08E-01	-9.69E-04	-6.69E-02	-4.66E-03	-5.81E-03	-3.68E-03	-5.62E-03	-3.38E+00
Minimum Offsite Concentration-->	1.21E+00	1.03E+00	-5.51E-01	4.03E+00	7.56E-01	-2.03E-01	3.10E-01	1.01E-01	-2.29E+00	-2.13E+00	-1.63E-03	-1.09E-01	-7.82E-03	-9.76E-03	-6.16E-03	-9.44E-03	-5.65E+00
Residential																	
Maximum Offsite Concentration-->	1.15E+01	7.32E+00	4.48E+00	3.44E+01	5.40E+00	-9.70E-02	2.18E+00	9.03E-01	3.63E+00	3.32E+00	-6.98E-04	-4.94E-02	-3.35E-03	-4.19E-03	-2.66E-03	-4.05E-03	-2.44E+00
Average Offsite Concentration-->	2.89E+00	2.20E+00	4.70E-01	9.09E+00	1.60E+00	-1.93E-01	6.61E-01	2.37E-01	-1.25E+00	-1.15E+00	-1.79E-03	-1.27E-01	-8.80E-03	-1.07E-02	-6.82E-03	-1.04E-02	-6.26E+00
Minimum Offsite Concentration-->	-1.54E+00	-7.24E-02	-3.70E+00	-3.50E+00	-1.28E-01	-4.43E-01	-1.06E-02	-1.39E-01	-6.23E+00	-5.70E+00	-3.89E-03	-2.71E-01	-1.94E-02	-2.33E-02	-1.48E-02	-2.25E-02	-1.36E+01
School																	
Maximum Offsite Concentration-->	4.04E+00	2.77E+00	1.98E+00	1.23E+01	2.04E+00	-1.40E-01	8.30E-01	3.42E-01	1.02E+00	9.61E-01	-9.47E-04	-6.98E-02	-4.57E-03	-5.68E-03	-3.63E-03	-5.49E-03	-3.33E+00
Average Offsite Concentration-->	2.13E+00	1.76E+00	8.17E-02	6.85E+00	1.28E+00	-1.91E-01	5.29E-01	1.78E-01	-1.50E+00	-1.36E+00	-1.79E-03	-1.28E-01	-8.84E-03	-1.08E-02	-6.84E-03	-1.04E-02	-6.28E+00
Minimum Offsite Concentration-->	-6.23E-01	3.93E-01	-3.64E+00	-9.61E-01	2.04E-01	-2.66E-01	1.26E-01	-9.73E-02	-6.24E+00	-5.75E+00	-4.16E-03	-2.93E-01	-2.10E-02	-2.50E-02	-1.59E-02	-2.42E-02	-1.46E+01
CalEPA Acute REL	470	2.5	1300	55	28000	13000	5800	21000	37000	22000	0.2	210	100	0.6	6	30	120
Commercial - Onsite																	
Onsite Maximum Acute Hazard-->	-4.52E-03	6.72E-01	-4.52E-03	-4.24E-02	3.92E-05	-7.88E-05	9.18E-05	-2.95E-06	-3.00E-04	-4.48E-04	-1.86E-02	-1.11E-03	-1.81E-04	-3.72E-02	-2.33E-03	-7.19E-04	-1.07E-01
Commercial - Offsite																	
Offsite Maximum Acute Hazard-->	1.40E-02	1.54E+00	7.40E-03	3.80E-01	1.09E-04	-2.16E-06	1.98E-04	3.62E-05	3.11E-04	4.91E-04	1.16E-02	8.75E-04	1.29E-04	2.32E-02	1.50E-03	4.49E-04	6.88E-02
Offsite Average Acute Hazard-->	4.20E-03	7.07E-01	2.43E-04	1.24E-01	4.62E-05	-1.73E-05	9.21E-05	8.93E-06	-3.27E-05	-4.73E-05	-9.22E-03	-6.17E-04	-9.01E-05	-1.84E-02	-1.17E-03	-3.57E-04	-5.37E-02
Offsite Minimum Acute Hazard-->	-4.28E-03	-1.31E-01	-3.78E-03	-9.24E-02	-1.27E-05	-5.13E-05	-1.49E-05	-1.07E-05	-2.18E-04	-3.15E-04	-5.53E-02	-3.68E-03	-5.61E-04	-1.11E-01	-7.02E-03	-2.14E-03	-3.22E-01
Recreational																	
Offsite Maximum Acute Hazard-->	1.07E-02	1.30E+00	2.05E-03	2.76E-01	8.66E-05	-7.33E-06	1.68E-04	2.04E-05	4.80E-05	7.56E-05	-2.10E-03	-1.24E-04	-1.77E-05	-4.19E-03	-2.62E-04	-8.10E-05	-1.20E-02
Offsite Average Acute Hazard-->	5.19E-03	7.14E-01	7.37E-04	1.45E-01	4.70E-05	-1.05E-05	9.23E-05	1.02E-05	-3.84E-06	-4.91E-06	-4.84E-03	-3.19E-04	-4.66E-05	-9.69E-03	-6.14E-04	-1.87E-04	-2.82E-02
Offsite Minimum Acute Hazard-->	2.58E-03	4.11E-01	-4.24E-04	7.33E-02	2.70E-05	-1.56E-05	5.35E-05	4.79E-06	-6.20E-05	-9.67E-05	-8.13E-03	-5.19E-04	-7.82E-05	-1.63E-02	-1.03E-03	-3.15E-04	-4.71E-02
Residential																	
Offsite Maximum Acute Hazard-->	2.46E-02	2.93E+00	3.45E-03	6.25E-01	1.93E-04	-7.46E-06	3.76E-04	4.30E-05	9.81E-05	1.51E-04	-3.49E-03	-2.35E-04	-3.35E-05	-6.98E-03	-4.44E-04	-1.35E-04	-2.03E-02
Offsite Average Acute Hazard-->	6.14E-03	8.80E-01	3.62E-04	1.65E-01	5.73E-05	-1.48E-05	1.14E-04	1.13E-05	-3.38E-05	-5.24E-05	-8.95E-03	-6.03E-04	-8.80E-05	-1.79E-02	-1.14E-03	-3.46E-04	-5.22E-02
Offsite Minimum Acute Hazard-->	-3.28E-03	-2.90E-02	-2.85E-03	-6.37E-02	-4.59E-06	-3.41E-05	-1.82E-06	-6.60E-06	-1.68E-04	-2.59E-04	-1.94E-02	-1.29E-03	-1.94E-04	-3.89E-02	-2.47E-03	-7.51E-04	-1.13E-01
School																	
Offsite Maximum Acute Hazard-->	8.59E-03	1.11E+00	1.52E-03	2.23E-01	7.30E-05	-1.08E-05	1.43E-04	1.63E-05	2.74E-05	4.37E-05	-4.73E-03	-3.32E-04	-4.57E-05	-9.47E-03	-6.05E-04	-1.83E-04	-2.78E-02
Offsite Average Acute Hazard-->	4.53E-03	7.03E-01	6.28E-05	1.25E-01	4.56E-05	-1.47E-05	9.13E-05	8.46E-06	-4.04E-05	-6.17E-05	-8.96E-03	-6.07E-04	-8.84E-05	-1.79E-02	-1.14E-03	-3.47E-04	-5.23E-02
Offsite Minimum Acute Hazard-->	-1.33E-03	1.57E-01	-2.80E-03	-1.75E-02	7.29E-06	-2.05E-05	2.18E-05	-4.63E-06	-1.69E-04	-2.61E-04	-2.08E-02	-1.39E-03	-2.10E-04	-4.16E-02	-2.64E-03	-8.05E-04	-1.21E-01

Table 3-6A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Maximum Range Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
117	370814	758243	Offsite Worker	1.26E+00	1.39E+00	-8.60E-01	4.54E+00	9.91E-01	-2.38E-01	4.23E-01	1.04E-01	-2.68E+00	-2.43E+00	-1.79E-03	-1.28E-01	-8.89E-03	-1.07E-02	-6.84E-03	-1.04E-02	-6.28E+00
118	370810	758153	Offsite Worker	1.36E+00	1.48E+00	-7.79E-01	4.90E+00	1.05E+00	-2.46E-01	4.47E-01	1.16E-01	-2.62E+00	-2.37E+00	-2.06E-03	-1.48E-01	-1.02E-02	-1.24E-02	-7.89E-03	-1.20E-02	-7.23E+00
119	370807	758063	Offsite Worker	2.05E+00	1.87E+00	-2.13E-01	6.94E+00	1.35E+00	-2.46E-01	5.65E-01	1.77E-01	-2.07E+00	-1.87E+00	-2.35E-03	-1.69E-01	-1.16E-02	-1.41E-02	-8.97E-03	-1.36E-02	-8.23E+00
120	370803	757974	Offsite Worker	2.49E+00	2.18E+00	-4.34E-01	8.29E+00	1.57E+00	-2.67E-01	6.58E-01	2.00E-01	-2.67E+00	-2.45E+00	-2.75E-03	-1.97E-01	-1.36E-02	-1.65E-02	-1.05E-02	-1.59E-02	-9.63E+00
121	370835	757927	Offsite Worker	3.26E+00	2.50E+00	-6.60E-01	1.03E+01	1.79E+00	-2.23E-01	7.49E-01	2.21E-01	-3.25E+00	-3.05E+00	-3.01E-03	-2.14E-01	-1.49E-02	-1.81E-02	-1.15E-02	-1.75E-02	-1.05E+01
122	370868	757880	Offsite Worker	3.08E+00	2.42E+00	7.57E-02	9.91E+00	1.75E+00	-2.30E-01	7.26E-01	2.43E-01	-2.04E+00	-1.89E+00	-2.70E-03	-1.90E-01	-1.33E-02	-1.62E-02	-1.03E-02	-1.57E-02	-9.44E+00
123	370921	757884	Offsite Worker	3.19E+00	2.46E+00	-7.32E-02	1.01E+01	1.78E+00	-2.22E-01	7.38E-01	2.40E-01	-2.36E+00	-2.19E+00	-2.97E-03	-2.08E-01	-1.46E-02	-1.78E-02	-1.13E-02	-1.72E-02	-1.04E+01
124	370975	757887	Offsite Worker	3.56E+00	2.71E+00	5.21E-01	1.13E+01	1.97E+00	-2.34E-01	8.12E-01	2.89E-01	-1.62E+00	-1.50E+00	-2.70E-03	-1.87E-01	-1.31E-02	-1.62E-02	-1.03E-02	-1.56E-02	-9.41E+00
125	370975	757794	Offsite Worker	4.87E+00	3.52E+00	2.07E+00	1.53E+01	2.60E+00	-2.58E-01	1.06E+00	4.31E-01	1.07E-01	1.13E-01	-1.91E-03	-1.29E-01	-8.89E-03	-1.14E-02	-7.22E-03	-1.10E-02	-6.63E+00
126	371026	757794	Offsite Worker	5.31E+00	3.83E+00	1.61E+00	1.65E+01	2.81E+00	-2.79E-01	1.15E+00	4.44E-01	-8.67E-01	-8.17E-01	-1.86E-03	-1.29E-01	-8.63E-03	-1.12E-02	-7.08E-03	-1.08E-02	-6.50E+00
127	371076	757877	Offsite Worker	4.77E+00	3.41E+00	1.83E+00	1.48E+01	2.51E+00	-2.39E-01	1.02E+00	4.10E-01	-1.79E-01	-1.63E-01	-1.91E-03	-1.37E-01	-9.02E-03	-1.14E-02	-7.29E-03	-1.11E-02	-6.68E+00
128	371126	757959	Offsite Worker	4.45E+00	3.13E+00	1.99E+00	1.38E+01	2.32E+00	-2.06E-01	9.39E-01	3.89E-01	2.99E-01	2.87E-01	-1.92E-03	-1.38E-01	-9.17E-03	-1.15E-02	-7.33E-03	-1.11E-02	-6.72E+00
129	371119	758031	Offsite Worker	3.52E+00	2.65E+00	1.39E+00	1.12E+01	1.96E+00	-2.24E-01	7.96E-01	3.18E-01	-2.18E-01	-1.69E-01	-1.81E-03	-1.29E-01	-8.70E-03	-1.09E-02	-6.92E-03	-1.05E-02	-6.34E+00
143	371953	757977	Offsite Worker	1.14E+00	1.80E+00	-1.90E-01	4.88E+00	1.31E+00	-4.04E-01	5.47E-01	1.72E-01	-2.01E+00	-1.70E+00	-1.31E-03	-9.59E-02	-6.29E-03	-7.86E-03	-5.02E-03	-7.59E-03	-4.60E+00
144	371948	757880	Offsite Worker	1.66E+00	1.82E+00	-4.05E-01	5.95E+00	1.31E+00	-3.07E-01	5.51E-01	1.65E-01	-2.34E+00	-2.08E+00	-1.02E-03	-7.48E-02	-4.83E-03	-6.11E-03	-3.91E-03	-5.91E-03	-3.58E+00
145	371943	757783	Offsite Worker	5.85E-01	1.55E+00	-2.71E+00	3.16E+00	1.06E+00	-4.30E-01	4.73E-01	4.82E-02	-5.68E+00	-5.17E+00	-1.54E-03	-1.18E-01	-7.55E-03	-9.24E-03	-5.94E-03	-8.93E-03	-5.44E+00
146	372016	757794	Offsite Worker	6.51E-01	1.44E+00	-2.66E+00	3.15E+00	9.82E-01	-3.79E-01	4.41E-01	3.93E-02	-5.52E+00	-5.04E+00	-1.57E-03	-1.18E-01	-7.72E-03	-9.42E-03	-6.04E-03	-9.11E-03	-5.54E+00
147	372102	757791	Offsite Worker	5.29E-01	1.28E+00	-2.57E+00	2.68E+00	8.70E-01	-3.47E-01	3.93E-01	2.65E-02	-5.28E+00	-4.82E+00	-1.61E-03	-1.19E-01	-7.94E-03	-9.66E-03	-6.17E-03	-9.33E-03	-5.66E+00
148	372178	757760	Offsite Worker	4.44E-01	1.28E+00	-2.02E+00	2.56E+00	8.80E-01	-3.61E-01	3.91E-01	4.76E-02	-4.43E+00	-3.99E+00	-1.46E-03	-1.09E-01	-7.22E-03	-8.75E-03	-5.61E-03	-8.46E-03	-5.14E+00
149	372177	757670	Offsite Worker	1.12E+00	1.54E+00	-8.56E-01	4.44E+00	1.10E+00	-3.17E-01	4.68E-01	1.19E-01	-2.85E+00	-2.53E+00	-1.50E-03	-1.07E-01	-7.36E-03	-8.97E-03	-5.71E-03	-8.67E-03	-5.24E+00
150	372176	757579	Offsite Worker	9.55E-01	1.56E+00	-4.32E-01	4.21E+00	1.13E+00	-3.58E-01	4.76E-01	1.38E-01	-2.24E+00	-1.92E+00	-1.09E-03	-8.59E-02	-5.35E-03	-6.56E-03	-4.23E-03	-6.34E-03	-3.88E+00
151	372174	757489	Offsite Worker	7.36E-01	1.46E+00	-6.59E-01	3.65E+00	1.05E+00	-3.68E-01	4.47E-01	1.20E-01	-2.49E+00	-2.15E+00	-7.67E-04	-6.04E-02	-3.65E-03	-4.60E-03	-2.97E-03	-4.45E-03	-2.72E+00
152	372173	757398	Offsite Worker	1.58E+00	1.73E+00	1.16E-01	5.88E+00	1.26E+00	-2.93E-01	5.25E-01	1.77E-01	-1.50E+00	-1.27E+00	-1.02E-03	-8.45E-02	-4.95E-03	-6.14E-03	-3.99E-03	-5.93E-03	-3.66E+00
153	372171	757308	Offsite Worker	2.76E+00	2.15E+00	1.49E+00	9.13E+00	1.60E+00	-2.00E-01	6.47E-01	2.71E-01	2.96E-01	3.53E-01	-9.75E-04	-6.75E-02	-4.52E-03	-5.85E-03	-3.71E-03	-5.66E-03	-3.40E+00
154	372055	757309	Offsite Worker	2.08E+00	2.02E+00	4.47E-01	7.49E+00	1.48E+00	-2.93E-01	6.12E-01	2.18E-01	-1.26E+00	-1.05E+00	-1.25E-03	-1.05E-01	-6.15E-03	-7.51E-03	-4.89E-03	-7.26E-03	-4.49E+00
156	372055	757416	Offsite Worker	3.07E-01	1.37E+00	-7.46E-01	2.72E+00	9.87E-01	-4.22E-01	4.21E-01	1.08E-01	-2.56E+00	-2.18E+00	-1.10E-03	-9.70E-02	-5.48E-03	-6.61E-03	-4.34E-03	-6.39E-03	-3.98E+00
157	371952	757442	Offsite Worker	1.26E+00	1.79E+00	-3.07E-01	5.29E+00	1.30E+00	-3.78E-01	5.46E-01	1.67E-01	-2.24E+00	-1.92E+00	-1.28E-03	-9.07E-02	-6.22E-03	-7.65E-03	-4.87E-03	-7.40E-03	-4.47E+00
158	371950	757345	Offsite Worker	1.87E-01	1.60E+00	-1.43E+00	2.97E+00	1.14E+00	-5.28E-01	4.93E-01	1.04E-01	-3.82E+00	-3.32E+00	-1.56E-03	-1.48E-01	-7.95E-03	-9.35E-03	-6.21E-03	-9.04E-03	-5.70E+00
159	371864	757344	Offsite Worker	-5.23E-01	1.52E+00	-1.82E+00	1.41E+00	1.07E+00	-6.41E-01	4.70E-01	8.12E-02	-4.38E+00	-3.77E+00	-1.45E-03	-1.35E-01	-7.30E-03	-8.69E-03	-5.76E-03	-8.40E-03	-5.28E+00
160	371790	757347	Offsite Worker	-3.55E-01	1.49E+00	-1.32E+00	1.76E+00	1.07E+00	-5.99E-01	4.62E-01	9.81E-02	-3.61E+00	-3.06E+00	-1.40E-03	-1.13E-01	-6.89E-03	-8.40E-03	-5.44E-03	-8.12E-03	-4.98E+00
161	371708	757356	Offsite Worker	1.12E+00	1.86E+00	-4.41E-01	5.30E+00	1.34E+00	-4.29E-01	5.66E-01	1.68E-01	-2.52E+00	-2.15E+00	-1.46E-03	-1.01E-01	-7.07E-03	-8.75E-03	-5.55E-03	-8.46E-03	-5.09E+00
162	371615	757356	Offsite Worker	2.00E+00	2.08E+00	1.17E-01	7.47E+00	1.52E+00	-3.31E-01	6.31E-01	2.11E-01	-1.84E+00	-1.58E+00	-1.55E-03	-9.53E-02	-7.42E-03	-9.31E-03	-5.81E-03	-9.00E-03	-5.33E+00
163	371523	757356	Offsite Worker	2.55E+00	2.33E+00	5.92E-01	8.98E+00	1.71E+00	-3.07E-01	7.04E-01	2.54E-01	-1.31E+00	-1.10E+00	-1.84E-03	-1.18E-01	-8.87E-03	-1.10E-02	-6.92E-03	-1.06E-02	-6.34E+00
164	371430	757356	Offsite Worker	3.25E+00	2.69E+00	1.03E+00	1.09E+01	1.98E+00	-2.93E-01	8.10E-01	3.07E-01	-9.04E-01	-7.49E-01	-2.16E-03	-1.51E-01	-1.06E-02	-1.29E-02	-8.21E-03	-1.25E-02	-7.53E+00
165	371338	757356	Offsite Worker	3.42E+00	2.90E+00	9.34E-01	1.16E+01	2.13E+00	-3.32E-01	8.74E-01	3.25E-01	-1.25E+00	-1.06E+00	-2.66E-03	-1.98E-01	-1.32E-02	-1.60E-02	-1.02E-02	-1.54E-02	-9.37E+00
166	371245	757356	Offsite Worker	3.21E+00	3.04E+00	2.17E-01	1.12E+01	2.21E+00	-4.23E-01	9.17E-01	3.11E-01	-2.47E+00	-2.18E+00	-3.46E-03	-2.65E-01	-1.73E-02	-2.08E-02	-1.33E-02	-2.01E-02	-1.22E+01
167	371153	757356	Offsite Worker	3.10E+00	3.12E+00	-8.54E-01	1.09E+01	2.24E+00	-4.76E-01	9.43E-01	2.77E-01	-4.23E+00	-3.81E+00	-4.27E-03	-3.31E-01	-2.15E-02	-2.56E-02	-1.65E-02	-2.48E-02	-1.51E+01
168	371061	757356	Offsite Worker	2.94E+00	3.18E+00	-1.80E+00	1.05E+01	2.26E+00	-5.27E-01	9.61E-01	2.45E-01	-5.75E+00	-5.24E+00	-4.89E-03	-3.80E-01	-2.46E-02	-2.94E-02	-1.89E-02	-2.84E-02	-1.73E+01
169	371005	757357	Offsite Worker	2.57E+00	3.08E+00	-2.55E+00	9.57E+00	2.17E+00	-5.70E-01	9.34E-01	2.06E-01	-6.82E+00	-6.22E+00	-5.11E-03	-3.95E-01	-2.56E-02	-3.06E-02	-1.97E-02	-2.96E-02	-1.81E+01
170	370998	757293	Offsite Worker	2.79E+00	3.49E+00	-1.19E+00	1.07E+01	2.51E+00	-6.66E-01	1.06E+00	3.00E-01	-5.15E+00	-4.57E+00	-4.46E-03	-3.51E-01	-2.23E-02	-2.67E-02	-1.73E-02	-2.59E-02	-1.58E+01
171	370998	757194	Offsite Worker	3.13E+00	3.33E+00	1.90E+00	1.20E+01	2.47E+00	-5.41E-01	1.01E+00	4.06E-01	-2.66E-01	2.74E-02	-2.95E-03	-2.32E-01	-1.45E-02	-1.77E-02	-1.14E-02	-1.71E-02	-1.05E+01
172	370998	757096	Offsite Worker	1.82E+00	2.78E+00	1.40E+00	8.73E+00	2.07E+00	-6.14E-01	8.49E-01	3.32E-01	-6.75E-01	-2.59E-01	-2.70E-03	-1.92E-01	-1.31E-02	-1.62E-02	-1.03E-02	-1.57E-02	-9.47E+00
173	370998	756998	Offsite Worker	1.54E-01	1.71E+00	-3.23E+00	3.28E+00	1.19E+00	-5.78E-01	5.51E-01	3.59E-02	-8.06E+00	-6.89E+00	-2.86E-03	-1.94E-01	-1.42E-02	-1.72E-02	-1.09E-02	-1.66E-02	-9.96E+00
174	371057	756997	Offsite Worker	1.33E+00	2.06E+00	-1.93E+00	6.43E+00	1.46E+00	-4.60E-01	6.41E-01	1.24E-01	-5.77E+00	-4.99E+00	-2.98E-03	-1.99E-01	-1.47E-02	-1.79E-02	-1.13E-02	-1.73E-02	-1.03E+01
175	371153	756997	Offsite Worker	8.71E-01	1.94E+00	-1.99E+00	5.35E+00	1.38E+00	-5.12E-01	6.04E-01	1.12E-01	-5.54E+00	-4.81E+00	-2.29E-03	-1.52E-01	-1.12E-02	-1.37E-02	-8.67E-03	-1.33E-02	-7.95E+00
176	371249	756997	Offsite Worker	9.39E-01	1.96E+00	-2.24E+00	5.45E+00	1.38E+00	-5.05E-01	6.11E-01	1.03E-01	-6.04E+00	-5.26E+00	-2.28E-03	-1.46E-01	-1.11E-02	-1.37E-02	-8.60E-03	-1.33E-02	-7.89E+00
177	371345	756997	Offsite Worker	2.10E+00	2.36E+00	-1.78E+00	8.40E+00	1.68E+00	-4.10E-01	7.27E-01	1.60E-01	-5.72E+00	-5.01E+00	-1.87E-03	-1.07E-01	-8.88E-03	-1.12E-02	-6.95E-03	-1.09E-02	-6.38E+00
178	371440	756997	Offsite Worker	3.33E+00	2.86E+00	-7.11E-02	1.19E+01	2.08E+00	-3.38E-01	8.68E-01	2.80E-01	-3.02E+00	-2.67E+00	-1.79E-03	-1.02E-01	-8.42E-03	-1.07E-02	-6.65E-03	-1.04E-02	-6.11E+00
179	371536	756997	Offsite Worker	4.05E+00	3.11E+00	1.07E+00	1.39E+01	2.29E+00	-2.80E-01	9.38E-01	3.50E-01	-1.33E+00	-1.15E+00	-1.84E-03	-1.06E-01	-8.63E-03	-1.10E-02	-6.83E-03	-1.06E-02	-6.27E+00
180	371632	756997	Offsite Worker	4.32E+00	3.13E+00	2.03E+00	1.46E+01	2.32E+00	-2.30E-01	9.40E-01	3.89E-01	1.94E-01	2.57E-01	-1.76E-03	-1.06E-01	-8.29E-03	-1.06E-02	-6.57E-03	-1.02E-02	-6.03E+00
181	371728	756997	Offsite Worker	4.36E+00	3.04E+00	2.37E+00	1.45E+01	2.26E+00	-1.91E-01	9.11E-01	3.94E-01	8.66E-01	8.61E-01	-1.46E-03	-9.30E-02	-6.90E-03	-8.75E-03	-5.49E-03	-8.46E-03	-5.04E+00
182	371824	756997	Offsite Worker	3.69E+00	2.66E+00	1.74E+00	1.26E+01	1.98E+00	-1.93E-01	8.01E-01	3.32E-01	1.97E-01	2.43E-01	-1.35E-03	-8.22E-02	-6.34E-03	-8.11E-03	-5.06E-03	-7.84E-03	-4.64E+00
183	371920	756997	Offsite Worker	2.12E+00	1.84E+00	1.59E+00	8.21E+00	1.38E+00	-2.22E-01	5.58E-01	2.45E-01	5.98E-01	7.05E-01	-2.04E-04	1.06E-02	-1.89E-04	-1.22E-03	-5.98E-04	-1.18E-03	-5.51E-01
184	372016	756997	Offsite Worker	2.31E+00	1.90E+00	2.41E+00	8.79E+00	1.45E+00	-2.04E-01	5.75E-01	2.83E-01	1.84E+00	1.87E+00	3.70E-04	4.88E-02	2.76E-03	2.22E-03	1.57E-03	2.14E-03	1.44E+00
185	372111	756997	Offsite Worker	3.78E+00	2.57E+00	4.93E+00	1.30E+01	2.00E+00	-1.43E-01	7.73E-01	4.49E-01	5.22E+00	5.00E+00	8.13E-04	6.81E-02	4.97E-03	4.88E-03	3.17E-03	4.71E-03	2.91E+00
186	372207	756997	Offsite Worker	1.85E+00	1.59E+00	2.27E+00	7.42E+00	1.22E+00	-1.86E-01	4.82E-01	2.47E-01	1.88E+00	1.91E+00	2.30E-04	2.13E-02	1.79E-03	1.38E-03	9.12E-04	1.33E-03	8.36E-01

Table 3-6A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Maximum Range Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
187	372303	756997	Offsite Worker	3.07E+00	2.18E+00	3.47E+00	1.08E+01	1.67E+00	-1.48E-01	6.55E-01	3.52E-01	3.30E+00	3.20E+00	4.39E-04	4.27E-02	2.99E-03	2.63E-03	1.76E-03	2.54E-03	1.61E+00
188	372399	756997	Offsite Worker	4.02E+00	2.64E+00	5.01E+00	1.36E+01	2.04E+00	-1.18E-01	7.91E-01	4.59E-01	5.32E+00	5.07E+00	8.87E-04	7.62E-02	5.36E-03	5.32E-03	3.48E-03	5.14E-03	3.19E+00
189	372495	756997	Offsite Worker	6.30E+00	3.74E+00	9.27E+00	2.02E+01	2.96E+00	-4.60E-02	1.12E+00	7.36E-01	1.10E+01	1.04E+01	2.19E-03	1.73E-01	1.23E-02	1.32E-02	8.49E-03	1.27E-02	7.79E+00
190	372591	756997	Offsite Worker	6.57E+00	3.85E+00	9.62E+00	2.09E+01	3.04E+00	-2.81E-02	1.15E+00	7.61E-01	1.15E+01	1.08E+01	2.32E-03	1.84E-01	1.29E-02	1.39E-02	9.00E-03	1.35E-02	8.25E+00
191	372610	757063	Offsite Worker	5.91E+00	3.50E+00	8.87E+00	1.85E+01	2.77E+00	-3.92E-02	1.04E+00	6.96E-01	1.06E+01	1.00E+01	2.28E-03	1.78E-01	1.26E-02	1.37E-02	8.80E-03	1.32E-02	8.07E+00
192	372612	757132	Offsite Worker	3.76E+00	2.41E+00	4.05E+00	1.22E+01	1.85E+00	-8.97E-02	7.22E-01	3.98E-01	4.08E+00	3.87E+00	7.33E-04	6.70E-02	4.43E-03	4.40E-03	2.90E-03	4.25E-03	2.66E+00
193	372614	757201	Offsite Worker	1.13E+00	1.09E+00	-3.53E-02	5.04E+00	7.94E-01	-1.56E-01	3.32E-01	1.06E-01	-1.17E+00	-1.02E+00	-6.99E-04	-4.08E-02	-3.21E-03	-4.20E-03	-2.61E-03	-4.06E-03	-2.39E+00
194	372616	757270	Offsite Worker	1.84E+00	1.45E+00	1.19E+00	6.60E+00	1.09E+00	-1.40E-01	4.38E-01	1.91E-01	4.53E-01	4.95E-01	-3.58E-04	-1.53E-02	-1.34E-03	-2.15E-03	-1.29E-03	-2.08E-03	-1.19E+00
195	372627	757351	Offsite Worker	2.12E+00	1.61E+00	1.85E+00	7.28E+00	1.22E+00	-1.39E-01	4.85E-01	2.33E-01	1.36E+00	1.34E+00	-1.23E-04	-3.74E-03	-1.38E-04	-7.37E-04	-4.33E-04	-7.12E-04	-3.98E-01
196	372651	757422	Offsite Worker	2.13E+00	1.61E+00	1.79E+00	7.21E+00	1.22E+00	-1.38E-01	4.85E-01	2.30E-01	1.25E+00	1.24E+00	-1.85E-04	-6.97E-03	-4.85E-04	-1.11E-03	-6.62E-04	-1.07E-03	-6.08E-01
197	372676	757494	Offsite Worker	2.42E+00	1.80E+00	1.81E+00	8.04E+00	1.35E+00	-1.46E-01	5.42E-01	2.50E-01	1.13E+00	1.12E+00	-5.88E-04	-3.87E-02	-2.61E-03	-3.53E-03	-2.22E-03	-3.41E-03	-2.04E+00
198	372704	757569	Offsite Worker	2.52E+00	1.85E+00	1.21E+00	8.20E+00	1.37E+00	-1.44E-01	5.57E-01	2.31E-01	1.62E-01	1.92E-01	-8.98E-04	-6.33E-02	-4.27E-03	-5.39E-03	-3.42E-03	-5.21E-03	-3.14E+00
199	372733	757645	Offsite Worker	2.08E+00	1.74E+00	5.38E-01	7.04E+00	1.27E+00	-1.93E-01	5.24E-01	1.94E-01	-7.75E-01	-6.67E-01	-9.74E-04	-6.97E-02	-4.73E-03	-5.84E-03	-3.72E-03	-5.65E-03	-3.41E+00
200	372746	757702	Offsite Worker	1.71E+00	1.62E+00	1.02E-01	6.03E+00	1.18E+00	-2.26E-01	4.90E-01	1.65E-01	-1.36E+00	-1.20E+00	-8.78E-04	-6.35E-02	-4.27E-03	-5.27E-03	-3.36E-03	-5.09E-03	-3.08E+00
201	372746	757768	Offsite Worker	1.29E+00	1.44E+00	-2.09E-01	4.76E+00	1.04E+00	-2.47E-01	4.36E-01	1.35E-01	-1.71E+00	-1.50E+00	-1.05E-03	-7.76E-02	-5.18E-03	-6.28E-03	-4.02E-03	-6.07E-03	-3.69E+00
202	372807	757781	Offsite Worker	1.39E+00	1.46E+00	-9.22E-02	5.06E+00	1.06E+00	-2.33E-01	4.41E-01	1.41E-01	-1.54E+00	-1.35E+00	-9.44E-04	-6.85E-02	-4.64E-03	-5.66E-03	-3.61E-03	-5.47E-03	-3.31E+00
203	372901	757782	Offsite Worker	1.66E+00	1.51E+00	2.21E-01	6.03E+00	1.10E+00	-1.97E-01	4.55E-01	1.58E-01	-1.08E+00	-9.42E-01	-5.26E-04	-2.87E-02	-2.39E-03	-3.15E-03	-1.94E-03	-3.05E-03	-1.78E+00
204	372994	757783	Offsite Worker	1.93E+00	1.57E+00	5.30E-01	6.77E+00	1.15E+00	-1.63E-01	4.72E-01	1.76E-01	-6.38E-01	-5.47E-01	-8.26E-04	-4.86E-02	-3.93E-03	-4.96E-03	-3.08E-03	-4.79E-03	-2.83E+00
205	373087	757783	Offsite Worker	2.16E+00	1.61E+00	8.64E-01	7.37E+00	1.19E+00	-1.30E-01	4.83E-01	1.93E-01	-1.48E-01	-1.05E-01	-9.22E-04	-5.52E-02	-4.38E-03	-5.53E-03	-3.44E-03	-5.35E-03	-3.16E+00
206	373180	757784	Offsite Worker	2.38E+00	1.66E+00	1.08E+00	7.91E+00	1.23E+00	-1.05E-01	4.99E-01	2.07E-01	1.38E-01	1.48E-01	-9.58E-04	-5.73E-02	-4.55E-03	-5.75E-03	-3.58E-03	-5.56E-03	-3.28E+00
207	373274	757785	Offsite Worker	2.39E+00	1.62E+00	1.12E+00	7.84E+00	1.20E+00	-8.67E-02	4.85E-01	2.04E-01	2.41E-01	2.39E-01	-9.02E-04	-5.22E-02	-4.26E-03	-5.41E-03	-3.36E-03	-5.23E-03	-3.08E+00
208	373367	757786	Offsite Worker	2.10E+00	1.47E+00	1.08E+00	6.99E+00	1.09E+00	-9.27E-02	4.41E-01	1.88E-01	3.14E-01	3.19E-01	-8.09E-04	-4.67E-02	-3.78E-03	-4.85E-03	-3.01E-03	-4.69E-03	-2.76E+00
209	373418	757742	Offsite Worker	2.32E+00	1.55E+00	2.11E+00	7.54E+00	1.18E+00	-7.78E-02	4.66E-01	2.37E-01	1.83E+00	1.75E+00	-6.20E-05	6.40E-03	1.47E-04	-3.72E-04	-1.59E-04	-3.59E-04	-1.47E-01
210	373418	757653	Offsite Worker	2.78E+00	1.74E+00	2.66E+00	8.82E+00	1.33E+00	-5.19E-02	5.21E-01	2.77E-01	2.54E+00	2.39E+00	1.72E-05	1.74E-02	6.42E-04	1.03E-04	1.81E-04	9.97E-05	1.64E-01
211	373419	757564	Offsite Worker	2.35E+00	1.52E+00	1.28E+00	7.50E+00	1.13E+00	-6.13E-02	4.55E-01	2.01E-01	6.11E-01	5.67E-01	-4.65E-04	-1.69E-02	-1.90E-03	-2.79E-03	-1.66E-03	-2.70E-03	-1.52E+00
212	373419	757475	Offsite Worker	1.17E+00	9.29E-01	2.44E-01	4.15E+00	6.81E-01	-9.13E-02	2.81E-01	1.01E-01	-5.53E-01	-4.73E-01	-5.73E-04	-3.63E-02	-2.70E-03	-3.44E-03	-2.15E-03	-3.32E-03	-1.98E+00
213	373420	757386	Offsite Worker	1.12E+00	8.99E-01	2.30E-01	3.97E+00	6.59E-01	-9.11E-02	2.72E-01	9.78E-02	-5.49E-01	-4.68E-01	-5.41E-04	-2.94E-02	-2.47E-03	-3.25E-03	-2.00E-03	-3.14E-03	-1.84E+00
214	373420	757297	Offsite Worker	1.31E+00	9.98E-01	2.36E-01	4.44E+00	7.31E-01	-8.88E-02	3.02E-01	1.08E-01	-6.36E-01	-5.53E-01	-6.51E-04	-3.73E-02	-3.02E-03	-3.91E-03	-2.42E-03	-3.78E-03	-2.22E+00
215	373421	757207	Offsite Worker	1.56E+00	1.13E+00	2.79E-01	5.06E+00	8.24E-01	-8.29E-02	3.39E-01	1.22E-01	-6.59E-01	-5.92E-01	-8.28E-04	-5.56E-02	-4.01E-03	-4.97E-03	-3.14E-03	-4.80E-03	-2.88E+00
216	373421	757118	Offsite Worker	1.21E+00	1.03E+00	-1.01E-01	3.95E+00	7.42E-01	-1.19E-01	3.11E-01	9.71E-02	-1.20E+00	-1.07E+00	-8.95E-04	-6.33E-02	-4.36E-03	-5.37E-03	-3.41E-03	-5.19E-03	-3.13E+00
217	373292	757117	Offsite Worker	1.66E+00	1.27E+00	1.80E-01	5.53E+00	9.26E-01	-1.12E-01	3.83E-01	1.33E-01	-9.60E-01	-8.60E-01	-9.04E-04	-6.52E-02	-4.40E-03	-5.42E-03	-3.46E-03	-5.24E-03	-3.17E+00
218	373213	757118	Offsite Worker	2.01E+00	1.45E+00	4.39E-01	6.80E+00	1.06E+00	-1.06E-01	4.37E-01	1.61E-01	-7.02E-01	-6.30E-01	-7.91E-04	-5.55E-02	-3.80E-03	-4.75E-03	-3.01E-03	-4.59E-03	-2.77E+00
219	373158	757066	Offsite Worker	2.05E+00	1.52E+00	3.98E-01	6.75E+00	1.11E+00	-1.20E-01	4.56E-01	1.65E-01	-8.26E-01	-7.41E-01	-8.41E-04	-6.09E-02	-4.05E-03	-5.05E-03	-3.22E-03	-4.88E-03	-2.95E+00
220	373084	757026	Offsite Worker	2.05E+00	1.54E+00	4.32E-01	6.81E+00	1.13E+00	-1.31E-01	4.65E-01	1.70E-01	-8.06E-01	-7.14E-01	-8.37E-04	-6.06E-02	-4.02E-03	-5.02E-03	-3.20E-03	-4.86E-03	-2.94E+00
221	373009	757011	Offsite Worker	2.47E+00	1.78E+00	7.04E-01	7.97E+00	1.31E+00	-1.29E-01	5.35E-01	2.04E-01	-5.75E-01	-5.11E-01	-7.34E-04	-5.12E-02	-3.45E-03	-4.40E-03	-2.79E-03	-4.26E-03	-2.56E+00
222	372922	757009	Offsite Worker	2.81E+00	1.95E+00	1.05E+00	8.98E+00	1.44E+00	-1.22E-01	5.86E-01	2.35E-01	-1.79E-01	-1.48E-01	-6.24E-04	-4.29E-02	-2.84E-03	-3.74E-03	-2.37E-03	-3.62E-03	-2.17E+00
223	372835	757007	Offsite Worker	2.67E+00	1.91E+00	7.97E-01	8.63E+00	1.40E+00	-1.34E-01	5.73E-01	2.20E-01	-5.48E-01	-4.85E-01	-5.86E-04	-4.00E-02	-2.60E-03	-3.52E-03	-2.22E-03	-3.40E-03	-2.04E+00
224	372747	757006	Offsite Worker	2.89E+00	2.03E+00	1.70E+00	9.40E+00	1.51E+00	-1.31E-01	6.09E-01	2.67E-01	7.40E-01	7.37E-01	-4.34E-04	-2.40E-02	-1.78E-03	-2.60E-03	-1.61E-03	-2.52E-03	-1.47E+00
225	372660	757004	Offsite Worker	5.43E+00	3.29E+00	5.99E+00	1.71E+01	2.54E+00	-6.17E-02	9.82E-01	5.62E-01	6.36E+00	5.97E+00	1.05E-03	9.49E-02	6.23E-03	6.32E-03	4.16E-03	6.11E-03	3.82E+00
226	372651	757063	Offsite Worker	5.93E+00	3.50E+00	8.82E+00	1.87E+01	2.77E+00	-3.60E-02	1.05E+00	6.94E-01	1.05E+01	9.92E+00	2.25E-03	1.76E-01	1.25E-02	1.35E-02	8.70E-03	1.30E-02	7.98E+00
227	372629	756931	Offsite Worker	4.15E+00	2.66E+00	3.25E+00	1.28E+01	2.01E+00	-1.00E-01	7.98E-01	3.91E-01	2.61E+00	2.46E+00	-5.07E-05	8.05E-03	2.97E-04	-3.04E-04	-1.10E-04	-2.94E-04	-1.03E-01
228	372631	756857	Offsite Worker	4.25E+00	2.71E+00	3.28E+00	1.30E+01	2.05E+00	-9.63E-02	8.11E-01	3.97E-01	2.63E+00	2.47E+00	1.69E-04	1.95E-02	1.40E-03	1.01E-03	6.98E-04	9.79E-04	6.40E-01
229	372634	756783	Offsite Worker	3.48E+00	2.31E+00	2.60E+00	1.07E+01	1.74E+00	-1.11E-01	6.93E-01	3.31E-01	1.88E+00	1.80E+00	-1.59E-04	-7.46E-03	-3.45E-04	-9.52E-04	-5.78E-04	-9.21E-04	-5.31E-01
230	372702	756778	Offsite Worker	3.15E+00	2.15E+00	2.18E+00	9.73E+00	1.61E+00	-1.22E-01	6.45E-01	2.98E-01	1.37E+00	1.33E+00	-3.21E-04	-2.13E-02	-1.18E-03	-1.93E-03	-1.22E-03	-1.86E-03	-1.11E+00
231	372756	756775	Offsite Worker	2.76E+00	1.89E+00	1.93E+00	8.54E+00	1.42E+00	-1.11E-01	5.69E-01	2.63E-01	1.18E+00	1.16E+00	-3.06E-04	-2.10E-02	-1.12E-03	-1.84E-03	-1.16E-03	-1.77E-03	-1.07E+00
232	372729	756712	Offsite Worker	2.81E+00	1.96E+00	2.74E+00	8.78E+00	1.49E+00	-1.23E-01	5.89E-01	3.01E-01	2.35E+00	2.29E+00	-3.90E-05	7.82E-04	4.08E-04	-2.34E-04	-1.23E-04	-2.26E-04	-1.14E-01
233	372703	756650	Offsite Worker	2.93E+00	2.05E+00	2.35E+00	9.11E+00	1.55E+00	-1.31E-01	6.16E-01	2.95E-01	1.69E+00	1.66E+00	-2.19E-04	-1.35E-02	-5.18E-04	-1.31E-03	-8.20E-04	-1.27E-03	-7.53E-01
234	372677	756588	Offsite Worker	3.20E+00	2.19E+00	2.73E+00	9.90E+00	1.66E+00	-1.26E-01	6.58E-01	3.24E-01	2.17E+00	2.10E+00	-1.16E-04	-8.44E-03	4.25E-05	-6.97E-04	-4.44E-04	-6.74E-04	-4.08E-01
235	372619	756588	Offsite Worker	2.62E+00	1.90E+00	2.34E+00	8.24E+00	1.44E+00	-1.42E-01	5.73E-01	2.80E-01	1.76E+00	1.75E+00	1.89E-04	1.58E-02	1.69E-03	1.14E-03	7.40E-04	1.10E-03	6.78E-01
236	372622	756509	Offsite Worker	5.65E+00	3.75E+00	2.48E+00	1.70E+01	2.78E+00	-1.82E-01	1.12E+00	4.69E-01	4.99E-01	4.44E-01	-3.54E-04	-2.26E-02	-8.63E-04	-2.12E-03	-1.33E-03	-2.05E-03	-1.22E+00
237	372700	756511	Offsite Worker	4.95E+00	3.32E+00	2.25E+00	1.50E+01	2.46E+00	-1.69E-01	9.93E-01	4.17E-01	5.14E-01	4.75E-01	-6.71E-04	-5.08E-02	-3.14E-03	-4.02E-03	-2.58E-03	-3.89E-03	-2.37E+00
238	372789	756510	Offsite Worker	4.31E+00	2.93E+00	1.79E+00	1.31E+01	2.17E+00	-1.62E-01	8.78E-01	3.61E-01	1.19E-01	1.15E-01	-5.24E-04	-3.72E-02	-2.34E-03	-3.15E-03	-2.00E-03	-3.04E-03	-1.84E+00
239	372871	756509	Offsite Worker	3.82E+00	2.64E+00	1.34E+00	1.16E+01	1.94E+00	-1.58E-01	7.91E-01	3.14E-01	-3.27E-01	-2.96E-01	-5.34E-04	-3.47E-02	-2.31E-03	-3.21E-03	-2.02E-03	-3.10E-03	-1.85E+00
240	372871	756437	Offsite Worker	2.97E+00	2.17E+00	4.82E-01	9.14E+00	1.58E+00	-1.66E-01	6.53E-01	2.34E-01	-1.26E+00	-1.16E+00	-1.16E-03	-7.48E-02	-5.31E-03	-6.98E-03	-4.38E-03	-6.75E-03	-4.02E+00
241	372970	756437	Offsite Worker	2.57E+00	1.90E+00	4.62E-01	7.92E+00	1.39E+00	-1.50E-01	5.70E-01	2.06E-01	-1.06E+00	-9.65E-01	-1.46E-03	-9.58E-02	-6.87E-03	-8.75E-03	-5.51E-03	-8.46E-03	-5.06E+00
242	373069	756437	Offsite Worker	2.34E+00	1.72E+00	3.79E-01	7.20E+00	1.26E+00	-1.36E-01	5.19E-01	1.85E-01	-1.04E+00	-9.44E-01	-1.32E-03	-8.93E-02	-6.27E-03	-7.91E-03	-5.00E-03	-7.64E-03	-4.59E+00

Table 3-6A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Maximum Range Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
243	373168	756437	Offsite Worker	2.42E+00	1.74E+00	4.10E-01	7.38E+00	1.27E+00	-1.26E-01	5.23E-01	1.88E-01	-9.89E-01	-9.07E-01	-9.44E-04	-6.73E-02	-4.48E-03	-5.66E-03	-3.60E-03	-5.47E-03	-3.31E+00
244	373267	756437	Offsite Worker	2.51E+00	1.77E+00	4.73E-01	7.61E+00	1.29E+00	-1.17E-01	5.30E-01	1.93E-01	-8.96E-01	-8.31E-01	-8.83E-04	-6.25E-02	-4.17E-03	-5.30E-03	-3.37E-03	-5.12E-03	-3.09E+00
245	373412	756437	Offsite Worker	2.46E+00	1.71E+00	6.46E-01	7.46E+00	1.25E+00	-1.05E-01	5.12E-01	1.94E-01	-5.67E-01	-5.25E-01	-7.90E-04	-5.57E-02	-3.71E-03	-4.74E-03	-3.01E-03	-4.58E-03	-2.76E+00
246	373409	756339	Offsite Worker	2.12E+00	1.65E+00	-1.55E-01	6.58E+00	1.19E+00	-1.54E-01	4.97E-01	1.57E-01	-1.81E+00	-1.66E+00	-1.42E-03	-9.79E-02	-6.94E-03	-8.53E-03	-5.40E-03	-8.24E-03	-4.95E+00
247	373406	756240	Offsite Worker	2.29E+00	1.79E+00	-3.45E-01	7.10E+00	1.29E+00	-1.70E-01	5.39E-01	1.64E-01	-2.19E+00	-2.03E+00	-1.34E-03	-8.69E-02	-6.37E-03	-8.03E-03	-5.05E-03	-7.76E-03	-4.63E+00
248	373403	756142	Offsite Worker	2.47E+00	1.86E+00	4.94E-01	7.66E+00	1.36E+00	-1.59E-01	5.60E-01	2.04E-01	-9.56E-01	-8.65E-01	-8.23E-04	-5.35E-02	-3.66E-03	-4.94E-03	-3.10E-03	-4.77E-03	-2.85E+00
249	373400	756042	Offsite Worker	1.42E+00	1.65E+00	4.50E-02	5.16E+00	1.20E+00	-2.94E-01	4.98E-01	1.66E-01	-1.47E+00	-1.26E+00	-1.20E-03	-1.01E-01	-5.86E-03	-7.23E-03	-4.71E-03	-6.99E-03	-4.32E+00
250	373397	755944	Offsite Worker	6.52E-01	1.18E+00	-5.18E-01	2.89E+00	8.49E-01	-2.85E-01	3.60E-01	9.73E-02	-1.97E+00	-1.71E+00	-1.22E-03	-1.10E-01	-6.19E-03	-7.31E-03	-4.82E-03	-7.07E-03	-4.42E+00
251	373393	755846	Offsite Worker	5.18E-01	1.03E+00	-6.03E-01	2.41E+00	7.38E-01	-2.60E-01	3.15E-01	7.91E-02	-1.96E+00	-1.72E+00	-1.56E-03	-1.23E-01	-7.74E-03	-9.34E-03	-6.03E-03	-9.03E-03	-5.53E+00
252	373390	755747	Offsite Worker	1.01E+00	1.19E+00	-7.18E-01	3.63E+00	8.47E-01	-2.17E-01	3.61E-01	9.03E-02	-2.22E+00	-2.02E+00	-1.45E-03	-1.05E-01	-7.06E-03	-8.68E-03	-5.54E-03	-8.39E-03	-5.08E+00
253	373309	755744	Offsite Worker	1.19E+00	1.30E+00	-7.13E-01	4.16E+00	9.26E-01	-2.19E-01	3.93E-01	1.01E-01	-2.30E+00	-2.09E+00	-1.47E-03	-1.06E-01	-7.17E-03	-8.83E-03	-5.63E-03	-8.54E-03	-5.16E+00
254	373229	755743	Offsite Worker	1.27E+00	1.36E+00	-6.48E-01	4.41E+00	9.72E-01	-2.24E-01	4.11E-01	1.10E-01	-2.24E+00	-2.05E+00	-1.51E-03	-1.09E-01	-7.36E-03	-9.09E-03	-5.79E-03	-8.79E-03	-5.31E+00
255	373143	755741	Offsite Worker	1.22E+00	1.37E+00	-4.88E-01	4.33E+00	9.82E-01	-2.38E-01	4.14E-01	1.17E-01	-2.01E+00	-1.81E+00	-1.60E-03	-1.18E-01	-7.79E-03	-9.58E-03	-6.12E-03	-9.26E-03	-5.62E+00
256	373143	755823	Offsite Worker	7.75E-01	1.24E+00	-1.01E+00	3.20E+00	8.79E-01	-2.82E-01	3.78E-01	8.42E-02	-2.73E+00	-2.46E+00	-1.57E-03	-1.22E-01	-7.78E-03	-9.44E-03	-6.08E-03	-9.13E-03	-5.58E+00
257	373143	755906	Offsite Worker	2.67E-01	1.20E+00	-1.10E+00	2.08E+00	8.46E-01	-3.68E-01	3.66E-01	7.66E-02	-2.86E+00	-2.51E+00	-1.40E-03	-1.27E-01	-7.09E-03	-8.40E-03	-5.54E-03	-8.12E-03	-5.07E+00
258	373065	755906	Offsite Worker	2.22E-01	1.21E+00	-1.33E+00	1.99E+00	8.54E-01	-3.84E-01	3.72E-01	6.97E-02	-3.22E+00	-2.85E+00	-1.41E-03	-1.28E-01	-7.14E-03	-8.45E-03	-5.58E-03	-8.17E-03	-5.11E+00
259	373065	755827	Offsite Worker	4.04E-01	1.21E+00	-1.13E+00	2.38E+00	8.52E-01	-3.44E-01	3.68E-01	7.67E-02	-2.87E+00	-2.55E+00	-1.69E-03	-1.39E-01	-8.42E-03	-1.01E-02	-6.58E-03	-9.79E-03	-6.03E+00
260	373068	755733	Offsite Worker	1.55E+00	1.48E+00	-3.59E-01	5.18E+00	1.06E+00	-2.09E-01	4.46E-01	1.33E-01	-1.90E+00	-1.73E+00	-1.62E-03	-1.16E-01	-7.87E-03	-9.74E-03	-6.19E-03	-9.41E-03	-5.68E+00
261	373007	755733	Offsite Worker	1.59E+00	1.48E+00	-3.81E-01	5.25E+00	1.07E+00	-2.03E-01	4.47E-01	1.33E-01	-1.94E+00	-1.77E+00	-1.62E-03	-1.14E-01	-7.85E-03	-9.74E-03	-6.18E-03	-9.42E-03	-5.67E+00
262	372941	755733	Offsite Worker	1.68E+00	1.50E+00	-4.74E-01	5.45E+00	1.07E+00	-1.90E-01	4.51E-01	1.30E-01	-2.10E+00	-1.93E+00	-1.71E-03	-1.18E-01	-8.26E-03	-1.02E-02	-6.49E-03	-9.90E-03	-5.95E+00
263	372941	755636	Offsite Worker	1.06E+00	9.79E-01	-3.90E-01	3.47E+00	7.01E-01	-1.31E-01	2.97E-01	8.14E-02	-1.58E+00	-1.43E+00	-1.73E-03	-1.14E-01	-8.39E-03	-1.04E-02	-6.54E-03	-1.00E-02	-6.00E+00
264	372941	755539	Offsite Worker	7.15E-01	7.75E-01	-7.77E-01	2.44E+00	5.44E-01	-1.30E-01	2.36E-01	4.60E-02	-2.00E+00	-1.82E+00	-1.84E-03	-1.27E-01	-9.09E-03	-1.10E-02	-6.98E-03	-1.07E-02	-6.41E+00
265	372941	755442	Offsite Worker	-2.48E-01	2.84E-01	-8.56E-01	-2.24E-01	1.90E-01	-1.51E-01	9.09E-02	-5.65E-03	-1.74E+00	-1.52E+00	-2.50E-03	-1.73E-01	-1.25E-02	-1.50E-02	-9.50E-03	-1.45E-02	-8.71E+00
266	372913	755342	Offsite Worker	-2.84E-01	2.61E-01	-1.19E+00	-3.61E-01	1.64E-01	-1.50E-01	8.38E-02	-2.10E-02	-2.22E+00	-1.99E+00	-3.75E-03	-2.62E-01	-1.89E-02	-2.25E-02	-1.43E-02	-2.18E-02	-1.31E+01
267	372817	755346	Offsite Worker	-5.09E-01	1.51E-01	-1.62E+00	-1.02E+00	7.31E-02	-1.57E-01	5.15E-02	-4.90E-02	-2.81E+00	-2.53E+00	-4.68E-03	-3.26E-01	-2.36E-02	-2.81E-02	-1.78E-02	-2.71E-02	-1.63E+01
268	372720	755349	Offsite Worker	-1.48E-01	3.34E-01	-2.10E+00	-7.53E-02	1.91E-01	-1.49E-01	1.05E-01	-4.99E-02	-3.69E+00	-3.39E+00	-7.05E-03	-4.88E-01	-3.56E-02	-4.23E-02	-2.68E-02	-4.09E-02	-2.46E+01
269	372624	755352	Offsite Worker	5.18E-01	6.88E-01	-2.78E+00	1.72E+00	4.25E-01	-1.39E-01	2.09E-01	-4.14E-02	-4.97E+00	-4.66E+00	-1.02E-02	-7.04E-01	-5.15E-02	-6.10E-02	-3.87E-02	-5.90E-02	-3.55E+01
270	372527	755349	Offsite Worker	6.15E-01	7.30E-01	-2.87E+00	1.96E+00	4.52E-01	-1.34E-01	2.21E-01	-4.12E-02	-5.16E+00	-4.84E+00	-7.08E-03	-4.95E-01	-3.58E-02	-4.25E-02	-2.69E-02	-4.10E-02	-2.47E+01
271	372431	755353	Offsite Worker	1.64E-01	4.71E-01	-2.46E+00	7.23E-01	2.78E-01	-1.34E-01	1.45E-01	-5.06E-02	-4.33E+00	-4.03E+00	-6.39E-03	-4.44E-01	-3.23E-02	-3.84E-02	-2.43E-02	-3.71E-02	-2.23E+01
272	372334	755356	Offsite Worker	-1.90E-01	2.92E-01	-2.08E+00	-2.11E-01	1.60E-01	-1.42E-01	9.23E-02	-5.32E-02	-3.61E+00	-3.32E+00	-6.13E-03	-4.25E-01	-3.10E-02	-3.68E-02	-2.33E-02	-3.56E-02	-2.14E+01
273	372237	755359	Offsite Worker	2.50E-01	5.07E-01	-2.20E+00	9.81E-01	3.10E-01	-1.29E-01	1.55E-01	-3.67E-02	-3.95E+00	-3.67E+00	-6.10E-03	-4.26E-01	-3.08E-02	-3.66E-02	-2.32E-02	-3.54E-02	-2.13E+01
274	372141	755362	Offsite Worker	2.02E-01	4.84E-01	-1.52E+00	9.34E-01	3.12E-01	-1.30E-01	1.48E-01	-1.19E-02	-2.85E+00	-2.63E+00	-1.10E-02	-7.66E-01	-5.58E-02	-6.61E-02	-4.19E-02	-6.39E-02	-3.84E+01
275	372044	755366	Offsite Worker	6.65E-01	7.39E-01	-1.15E+00	2.27E+00	5.06E-01	-1.27E-01	2.24E-01	2.79E-02	-2.49E+00	-2.31E+00	-1.11E-02	-7.73E-01	-5.61E-02	-6.63E-02	-4.21E-02	-6.41E-02	-3.86E+01
276	371948	755369	Offsite Worker	5.75E-01	7.24E-01	-6.86E-01	2.11E+00	5.10E-01	-1.40E-01	2.21E-01	4.47E-02	-1.81E+00	-1.63E+00	-5.96E-03	-4.18E-01	-3.01E-02	-3.58E-02	-2.27E-02	-3.46E-02	-2.08E+01
277	371851	755372	Offsite Worker	-6.94E-01	2.01E-01	-1.97E+00	-1.37E+00	1.03E-01	-2.12E-01	6.86E-02	-5.78E-02	-3.45E+00	-3.10E+00	-4.96E-03	-3.51E-01	-2.51E-02	-2.98E-02	-1.89E-02	-2.88E-02	-1.73E+01
278	371755	755375	Offsite Worker	-1.64E+00	-1.67E-01	-3.65E+00	-3.97E+00	-2.07E-01	-2.74E-01	-3.99E-02	-1.60E-01	-5.74E+00	-5.22E+00	-5.10E-03	-3.62E-01	-2.58E-02	-3.06E-02	-1.95E-02	-2.96E-02	-1.79E+01
279	371658	755378	Offsite Worker	-2.01E+00	-3.26E-01	-4.91E+00	-5.08E+00	-3.55E-01	-2.93E-01	-8.65E-02	-2.26E-01	-7.56E+00	-6.93E+00	-5.00E-03	-3.53E-01	-2.53E-02	-3.00E-02	-1.91E-02	-2.90E-02	-1.75E+01
280	371562	755382	Offsite Worker	-1.97E+00	-3.27E-01	-3.73E+00	-4.88E+00	-3.22E-01	-2.84E-01	-8.62E-02	-1.79E-01	-5.77E+00	-5.22E+00	-4.14E-03	-2.91E-01	-2.09E-02	-2.49E-02	-1.58E-02	-2.40E-02	-1.45E+01
281	371465	755385	Offsite Worker	-5.62E-01	3.47E-01	-2.62E+00	-9.56E-01	1.91E-01	-2.37E-01	1.13E-01	-6.91E-02	-4.60E+00	-4.17E+00	-3.26E-03	-2.28E-01	-1.64E-02	-1.95E-02	-1.24E-02	-1.89E-02	-1.14E+01
282	371368	755388	Offsite Worker	1.12E+00	1.16E+00	-1.67E+00	3.71E+00	7.97E-01	-1.83E-01	3.52E-01	4.85E-02	-3.76E+00	-3.47E+00	-2.48E-03	-1.75E-01	-1.24E-02	-1.49E-02	-9.44E-03	-1.44E-02	-8.66E+00
283	371272	755391	Offsite Worker	2.99E+00	2.16E+00	1.24E+00	9.23E+00	1.59E+00	-1.58E-01	6.47E-01	2.63E-01	-1.40E-02	4.87E-03	-2.12E-03	-1.54E-01	-1.05E-02	-1.27E-02	-8.10E-03	-1.23E-02	-7.43E+00
284	371175	755395	Offsite Worker	2.76E+00	2.09E+00	1.21E+00	8.68E+00	1.55E+00	-1.82E-01	6.28E-01	2.55E-01	1.34E-03	3.25E-02	-2.21E-03	-1.62E-01	-1.10E-02	-1.33E-02	-8.47E-03	-1.28E-02	-7.76E+00
285	371079	755398	Offsite Worker	1.28E+00	1.29E+00	-9.50E-01	4.33E+00	9.10E-01	-1.97E-01	3.89E-01	9.07E-02	-2.66E+00	-2.45E+00	-2.38E-03	-1.75E-01	-1.20E-02	-1.43E-02	-9.12E-03	-1.38E-02	-8.37E+00
286	371042	755478	Offsite Worker	6.65E-02	6.25E-01	-1.23E+00	8.95E-01	4.26E-01	-2.07E-01	1.93E-01	1.38E-02	-2.58E+00	-2.32E+00	-2.44E-03	-1.81E-01	-1.23E-02	-1.46E-02	-9.37E-03	-1.42E-02	-8.59E+00
287	371009	755538	Offsite Worker	2.92E-01	7.31E-01	-3.84E-01	1.59E+00	5.26E-01	-1.99E-01	2.24E-01	5.76E-02	-1.37E+00	-1.17E+00	-2.17E-03	-1.66E-01	-1.09E-02	-1.30E-02	-8.35E-03	-1.26E-02	-7.66E+00
288	370975	755597	Offsite Worker	-1.16E+00	-1.13E-01	-4.72E-01	-2.56E+00	-8.21E-02	-1.96E-01	-2.54E-02	-2.95E-02	-8.44E-01	-6.12E-01	-2.44E-03	-1.81E-01	-1.21E-02	-1.46E-02	-9.36E-03	-1.41E-02	-8.59E+00
289	370925	755597	Offsite Worker	-1.47E+00	-2.35E-01	-1.27E+00	-3.43E+00	-1.92E-01	-2.14E-01	-6.18E-02	-7.32E-02	-1.97E+00	-1.67E+00	-2.62E-03	-1.91E-01	-1.30E-02	-1.57E-02	-1.00E-02	-1.52E-02	-9.21E+00
290	370860	755547	Offsite Worker	-1.06E+00	2.14E-01	-3.16E+00	-2.16E+00	8.08E-02	-2.90E-01	7.29E-02	-1.03E-01	-5.24E+00	-4.78E+00	-3.07E-03	-2.23E-01	-1.53E-02	-1.84E-02	-1.18E-02	-1.78E-02	-1.08E+01
291	370796	755497	Offsite Worker	1.71E+00	1.62E+00	-1.80E+00	5.59E+00	1.12E+00	-2.25E-01	4.88E-01	8.96E-02	-4.27E+00	-3.98E+00	-3.95E-03	-2.76E-01	-1.97E-02	-2.37E-02	-1.50E-02	-2.29E-02	-1.38E+01
292	370733	755428	Offsite Worker	9.02E-01	1.14E+00	-4.59E-01	3.40E+00	8.22E-01	-2.22E-01	3.48E-01	9.55E-02	-1.86E+00	-1.64E+00	-3.41E-03	-2.40E-01	-1.70E-02	-2.04E-02	-1.30E-02	-1.98E-02	-1.19E+01
293	370634	755428	Offsite Worker	-1.34E+00	1.73E-02	-3.37E+00	-3.05E+00	-6.62E-02	-2.78E-01	1.50E-02	-1.31E-01	-5.46E+00	-4.96E+00	-4.33E-03	-3.04E-01	-2.16E-02	-2.60E-02	-1.65E-02	-2.51E-02	-1.51E+01
294	370536	755428	Offsite Worker	1.90E+00	1.57E+00	1.07E+00	6.20E+00	1.17E+00	-1.69E-01	4.73E-01	1.98E-01	1.94E-01	2.51E-01	-5.45E-03	-3.74E-01	-2.70E-02	-3.27E-02	-2.07E-02	-3.16E-02	-1.90E+01
295	370437	755428	Offsite Worker	1.75E+00	1.56E+00	-1.77E+00	5.60E+00	1.08E+00	-1.98E-01	4.71E-01	8.52E-02	-4.16E+00	-3.90E+00	-6.09E-03	-4.25E-01	-3.05E-02	-3.66E-02	-2.32E-02	-3.53E-02	-2.13E+01
296	370338	755427	Offsite Worker	2.82E+00	2.22E+00	-1.13E+00	8.76E+00	1.57E+00	-2.13E-01	6.65E-01	1.75E-01	-3.70E+00	-3.49E+00	-5.32E-03	-3.71E-01	-2.64E-02	-3.19E-02	-2.02E-02	-3.09E-02	-1.86E+01
307	369249	755442	Offsite Worker	3.50E+00	2.67E+00	9.02E-01	1.10E+01	1.96E+00	-2.34E-01	8.01E-01	3.01E-01	-9.67E-01	-8.85E-01	-2.11E-03	-1.46E-01	-1.04E-02	-1.27E-02	-8.02E-03	-1.22E-02	-7.36E+00
308	369151	755442	Offsite Worker	3.00E+00	2.46E+00	9.53E-01	9.70E+00	1.81E+00	-2.60E-01	7.39E-01	2.81E-01	-7.61E-01	-6.44E-01	-1.85E-03	-1.25E-01	-9.07E-03	-1.11E-02	-7.02E-03	-1.08E-02	-6.44E+00

Table 3-6A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Maximum Range Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
309	369052	755442	Offsite Worker	2.31E+00	2.09E+00	2.88E-01	7.71E+00	1.53E+00	-2.71E-01	6.31E-01	2.19E-01	-1.51E+00	-1.33E+00	-1.55E-03	-9.79E-02	-7.48E-03	-9.31E-03	-5.83E-03	-9.00E-03	-5.35E+00
320	368035	755402	Offsite Worker	3.24E+00	2.33E+00	1.10E+00	1.02E+01	1.72E+00	-1.68E-01	6.99E-01	2.75E-01	-3.65E-01	-3.38E-01	-1.57E-03	-1.12E-01	-7.76E-03	-9.39E-03	-5.98E-03	-9.08E-03	-5.49E+00
321	367960	755389	Offsite Worker	3.05E+00	2.22E+00	1.06E+00	9.64E+00	1.63E+00	-1.67E-01	6.65E-01	2.62E-01	-3.40E-01	-3.04E-01	-1.59E-03	-1.14E-01	-7.89E-03	-9.51E-03	-6.06E-03	-9.20E-03	-5.56E+00
322	367863	755390	Offsite Worker	2.69E+00	2.06E+00	1.10E+00	8.71E+00	1.52E+00	-1.82E-01	6.17E-01	2.47E-01	-1.61E-01	-1.10E-01	-1.51E-03	-1.13E-01	-7.55E-03	-9.06E-03	-5.80E-03	-8.76E-03	-5.32E+00
323	367766	755392	Offsite Worker	2.35E+00	1.86E+00	1.18E+00	7.80E+00	1.38E+00	-1.79E-01	5.58E-01	2.31E-01	1.26E-01	1.76E-01	-1.31E-03	-9.84E-02	-6.53E-03	-7.83E-03	-5.02E-03	-7.57E-03	-4.61E+00
324	367669	755393	Offsite Worker	1.77E+00	1.56E+00	6.05E-01	6.18E+00	1.15E+00	-1.94E-01	4.72E-01	1.79E-01	-5.42E-01	-4.30E-01	-1.05E-03	-8.02E-02	-5.22E-03	-6.28E-03	-4.04E-03	-6.07E-03	-3.70E+00
325	367572	755394	Offsite Worker	1.31E+00	1.30E+00	2.93E-02	4.85E+00	9.46E-01	-1.95E-01	3.93E-01	1.30E-01	-1.22E+00	-1.06E+00	-9.48E-04	-7.24E-02	-4.71E-03	-5.69E-03	-3.65E-03	-5.50E-03	-3.35E+00
326	367475	755395	Offsite Worker	1.15E+00	1.17E+00	-3.50E-01	4.37E+00	8.41E-01	-1.80E-01	3.54E-01	1.02E-01	-1.68E+00	-1.50E+00	-1.07E-03	-7.99E-02	-5.37E-03	-6.44E-03	-4.12E-03	-6.22E-03	-3.78E+00
327	370400	756850	On-Site Occupational	-2.12E+00	1.68E+00	-5.87E+00	-2.33E+00	1.10E+00	-1.02E+00	5.33E-01	-6.20E-02	-1.11E+01	-9.86E+00	-3.72E-03	-2.32E-01	-1.81E-02	-2.23E-02	-1.40E-02	-2.16E-02	-1.28E+01
1	367379	755396	Recreational	1.27E+00	1.25E+00	-3.59E-01	4.75E+00	9.01E-01	-1.87E-01	3.79E-01	1.10E-01	-1.76E+00	-1.58E+00	-1.06E-03	-7.94E-02	-5.31E-03	-6.36E-03	-4.08E-03	-6.15E-03	-3.74E+00
2	367340	755485	Recreational	1.25E+00	1.29E+00	9.15E-02	4.92E+00	9.41E-01	-2.03E-01	3.91E-01	1.32E-01	-1.11E+00	-9.48E-01	-8.75E-04	-6.64E-02	-4.35E-03	-5.25E-03	-3.37E-03	-5.08E-03	-3.09E+00
3	367301	755573	Recreational	1.21E+00	1.22E+00	-5.07E-01	4.84E+00	8.70E-01	-1.84E-01	3.68E-01	1.01E-01	-1.95E+00	-1.77E+00	-9.25E-04	-7.07E-02	-4.59E-03	-5.55E-03	-3.56E-03	-5.36E-03	-3.27E+00
4	367263	755661	Recreational	1.92E+00	1.57E+00	-5.51E-01	6.94E+00	1.12E+00	-1.66E-01	4.72E-01	1.34E-01	-2.29E+00	-2.13E+00	-1.13E-03	-8.54E-02	-5.63E-03	-6.80E-03	-4.36E-03	-6.58E-03	-4.00E+00
5	367224	755749	Recreational	2.25E+00	1.79E+00	1.07E-01	8.16E+00	1.30E+00	-1.78E-01	5.38E-01	1.82E-01	-1.48E+00	-1.35E+00	-1.00E-03	-7.21E-02	-4.92E-03	-6.03E-03	-3.84E-03	-5.83E-03	-3.52E+00
6	367186	755838	Recreational	2.68E+00	2.01E+00	1.19E+00	9.57E+00	1.49E+00	-1.68E-01	6.04E-01	2.46E-01	-6.32E-04	4.17E-02	-7.09E-04	-4.96E-02	-3.32E-03	-4.25E-03	-2.70E-03	-4.11E-03	-2.48E+00
7	367147	755926	Recreational	3.14E+00	2.23E+00	1.63E+00	1.09E+01	1.66E+00	-1.52E-01	6.69E-01	2.86E-01	5.48E-01	5.28E-01	-4.19E-04	-2.61E-02	-1.77E-03	-2.51E-03	-1.57E-03	-2.43E-03	-1.44E+00
8	367109	756014	Recreational	2.93E+00	2.09E+00	1.41E+00	1.02E+01	1.55E+00	-1.45E-01	6.26E-01	2.63E-01	3.25E-01	3.17E-01	-6.87E-04	-4.68E-02	-3.16E-03	-4.12E-03	-2.61E-03	-3.99E-03	-2.39E+00
9	367070	756103	Recreational	3.84E+00	2.49E+00	2.24E+00	1.26E+01	1.86E+00	-1.02E-01	7.44E-01	3.35E-01	1.30E+00	1.18E+00	-9.76E-04	-6.62E-02	-4.62E-03	-5.86E-03	-3.70E-03	-5.66E-03	-3.40E+00
10	367032	756191	Recreational	3.65E+00	2.40E+00	2.52E+00	1.19E+01	1.80E+00	-1.07E-01	7.17E-01	3.37E-01	1.78E+00	1.66E+00	-7.66E-04	-4.75E-02	-3.48E-03	-4.60E-03	-2.87E-03	-4.44E-03	-2.64E+00
11	366993	756279	Recreational	3.07E+00	2.12E+00	2.21E+00	1.01E+01	1.59E+00	-1.25E-01	6.35E-01	2.96E-01	1.49E+00	1.43E+00	-9.98E-04	-6.53E-02	-4.70E-03	-5.99E-03	-3.77E-03	-5.79E-03	-3.46E+00
12	366954	756367	Recreational	2.97E+00	2.07E+00	2.03E+00	9.69E+00	1.55E+00	-1.30E-01	6.21E-01	2.85E-01	1.25E+00	1.21E+00	-1.04E-03	-6.92E-02	-4.94E-03	-6.24E-03	-3.93E-03	-6.03E-03	-3.61E+00
13	366916	756456	Recreational	2.37E+00	1.71E+00	1.67E+00	7.82E+00	1.28E+00	-1.24E-01	5.13E-01	2.35E-01	9.89E-01	9.77E-01	-8.93E-04	-5.97E-02	-4.25E-03	-5.36E-03	-3.38E-03	-5.18E-03	-3.10E+00
14	366877	756544	Recreational	2.68E+00	1.91E+00	1.05E+00	8.61E+00	1.41E+00	-1.30E-01	5.72E-01	2.30E-01	-1.29E-01	-9.86E-02	-7.74E-04	-5.17E-02	-3.69E-03	-4.64E-03	-2.93E-03	-4.49E-03	-2.69E+00
15	366839	756632	Recreational	2.27E+00	1.70E+00	4.44E-01	7.36E+00	1.24E+00	-1.42E-01	5.11E-01	1.86E-01	-8.78E-01	-7.98E-01	-9.59E-04	-6.73E-02	-4.68E-03	-5.76E-03	-3.65E-03	-5.56E-03	-3.35E+00
16	366800	756720	Recreational	1.98E+00	1.54E+00	3.84E-01	6.51E+00	1.13E+00	-1.43E-01	4.64E-01	1.68E-01	-8.68E-01	-7.69E-01	-8.09E-04	-5.51E-02	-3.90E-03	-4.85E-03	-3.07E-03	-4.69E-03	-2.82E+00
17	366762	756809	Recreational	2.19E+00	1.59E+00	9.33E-01	7.03E+00	1.18E+00	-1.20E-01	4.79E-01	1.94E-01	-5.65E-02	-1.46E-02	-5.77E-04	-3.78E-02	-2.69E-03	-3.46E-03	-2.18E-03	-3.35E-03	-2.00E+00
18	366723	756897	Recreational	2.09E+00	1.55E+00	1.23E+00	6.77E+00	1.15E+00	-1.25E-01	4.65E-01	2.02E-01	4.74E-01	4.87E-01	-6.82E-04	-4.35E-02	-3.18E-03	-4.09E-03	-2.57E-03	-3.96E-03	-2.36E+00
19	366685	756985	Recreational	1.77E+00	1.39E+00	7.90E-01	5.83E+00	1.03E+00	-1.32E-01	4.19E-01	1.69E-01	-1.09E-01	-4.56E-02	-7.23E-04	-4.67E-02	-3.40E-03	-4.34E-03	-2.73E-03	-4.19E-03	-2.50E+00
20	366646	757074	Recreational	1.44E+00	1.21E+00	2.76E-01	4.80E+00	8.89E-01	-1.38E-01	3.67E-01	1.31E-01	-7.86E-01	-6.67E-01	-7.83E-04	-5.35E-02	-3.75E-03	-4.70E-03	-2.97E-03	-4.54E-03	-2.73E+00
21	366607	757162	Recreational	1.41E+00	1.15E+00	1.27E-01	4.62E+00	8.40E-01	-1.23E-01	3.48E-01	1.19E-01	-9.34E-01	-8.25E-01	-7.92E-04	-5.76E-02	-3.85E-03	-4.75E-03	-3.03E-03	-4.60E-03	-2.78E+00
22	366569	757250	Recreational	1.56E+00	1.16E+00	2.74E-02	4.91E+00	8.41E-01	-9.53E-02	3.49E-01	1.16E-01	-1.05E+00	-9.65E-01	-9.25E-04	-6.32E-02	-4.50E-03	-5.55E-03	-3.51E-03	-5.37E-03	-3.22E+00
23	366530	757338	Recreational	1.36E+00	1.08E+00	-1.49E-01	4.34E+00	7.78E-01	-1.07E-01	3.25E-01	1.01E-01	-1.26E+00	-1.16E+00	-8.93E-04	-6.28E-02	-4.37E-03	-5.36E-03	-3.40E-03	-5.18E-03	-3.12E+00
24	366492	757427	Recreational	1.27E+00	1.05E+00	7.20E-02	4.12E+00	7.63E-01	-1.14E-01	3.17E-01	1.06E-01	-9.15E-01	-8.12E-01	-7.64E-04	-5.26E-02	-3.70E-03	-4.59E-03	-2.90E-03	-4.43E-03	-2.66E+00
25	366453	757515	Recreational	1.26E+00	1.04E+00	3.12E-01	4.11E+00	7.64E-01	-1.12E-01	3.15E-01	1.15E-01	-5.33E-01	-4.50E-01	-7.61E-04	-5.32E-02	-3.70E-03	-4.56E-03	-2.90E-03	-4.41E-03	-2.66E+00
26	366415	757603	Recreational	1.24E+00	1.03E+00	3.61E-01	4.03E+00	7.56E-01	-1.12E-01	3.10E-01	1.16E-01	-4.49E-01	-3.68E-01	-7.85E-04	-5.58E-02	-3.81E-03	-4.71E-03	-3.00E-03	-4.55E-03	-2.75E+00
27	366376	757692	Recreational	1.29E+00	1.07E+00	3.82E-01	4.18E+00	7.87E-01	-1.18E-01	3.23E-01	1.21E-01	-4.45E-01	-3.65E-01	-7.85E-04	-5.63E-02	-3.80E-03	-4.71E-03	-3.00E-03	-4.55E-03	-2.75E+00
84	369336	758100	Recreational	3.95E+00	2.70E+00	1.95E+00	1.22E+01	2.00E+00	-1.53E-01	8.06E-01	3.44E-01	6.58E-01	6.04E-01	-1.56E-03	-1.06E-01	-7.44E-03	-9.35E-03	-5.91E-03	-9.04E-03	-5.43E+00
85	369269	758170	Recreational	5.01E+00	3.26E+00	2.66E+00	1.52E+01	2.43E+00	-1.38E-01	9.74E-01	4.28E-01	1.31E+00	1.18E+00	-1.56E-03	-1.04E-01	-7.42E-03	-9.37E-03	-5.91E-03	-9.06E-03	-5.42E+00
86	369202	758239	Recreational	4.96E+00	3.24E+00	2.56E+00	1.50E+01	2.40E+00	-1.39E-01	9.66E-01	4.22E-01	1.17E+00	1.05E+00	-1.63E-03	-1.09E-01	-7.82E-03	-9.76E-03	-6.16E-03	-9.44E-03	-5.65E+00
87	369264	758285	Recreational	4.09E+00	2.75E+00	2.20E+00	1.25E+01	2.04E+00	-1.43E-01	8.21E-01	3.59E-01	1.02E+00	9.36E-01	-1.13E-03	-7.60E-02	-5.32E-03	-6.81E-03	-4.30E-03	-6.58E-03	-3.94E+00
88	369326	758330	Recreational	3.61E+00	2.43E+00	1.69E+00	1.10E+01	1.80E+00	-1.29E-01	7.27E-01	3.08E-01	5.16E-01	4.54E-01	-1.49E-03	-1.03E-01	-7.24E-03	-8.95E-03	-5.67E-03	-8.65E-03	-5.20E+00
89	369389	758376	Recreational	2.98E+00	2.05E+00	1.14E+00	9.15E+00	1.51E+00	-1.22E-01	6.14E-01	2.49E-01	-2.72E-02	-4.25E-02	-1.45E-03	-1.01E-01	-7.06E-03	-8.67E-03	-5.50E-03	-8.38E-03	-5.05E+00
90	369389	758462	Recreational	2.46E+00	1.78E+00	8.43E-01	7.66E+00	1.31E+00	-1.29E-01	5.32E-01	2.09E-01	-2.70E-01	-2.49E-01	-1.30E-03	-9.07E-02	-6.30E-03	-7.77E-03	-4.93E-03	-7.51E-03	-4.52E+00
91	369389	758548	Recreational	2.00E+00	1.53E+00	5.80E-01	6.34E+00	1.12E+00	-1.36E-01	4.60E-01	1.75E-01	-4.88E-01	-4.33E-01	-1.30E-03	-9.06E-02	-6.33E-03	-7.80E-03	-4.95E-03	-7.54E-03	-4.54E+00
28	366338	757780	Residential	1.40E+00	1.12E+00	5.59E-01	4.49E+00	8.30E-01	-1.14E-01	3.39E-01	1.33E-01	-2.29E-01	-1.61E-01	-6.98E-04	-4.94E-02	-3.35E-03	-4.19E-03	-2.66E-03	-4.05E-03	-2.44E+00
29	366402	757746	Residential	1.37E+00	1.12E+00	5.24E-01	4.42E+00	8.24E-01	-1.17E-01	3.37E-01	1.31E-01	-2.79E-01	-2.05E-01	-7.28E-04	-5.15E-02	-3.50E-03	-4.37E-03	-2.78E-03	-4.22E-03	-2.55E+00
30	366467	757713	Residential	1.34E+00	1.11E+00	4.89E-01	4.35E+00	8.18E-01	-1.20E-01	3.35E-01	1.29E-01	-3.26E-01	-2.48E-01	-7.70E-04	-5.47E-02	-3.71E-03	-4.62E-03	-2.94E-03	-4.46E-03	-2.69E+00
31	366531	757679	Residential	1.31E+00	1.10E+00	4.47E-01	4.27E+00	8.08E-01	-1.23E-01	3.31E-01	1.26E-01	-3.79E-01	-2.97E-01	-8.07E-04	-5.77E-02	-3.91E-03	-4.84E-03	-3.08E-03	-4.68E-03	-2.83E+00
32	366567	757773	Residential	1.49E+00	1.20E+00	7.28E-01	4.81E+00	8.91E-01	-1.21E-01	3.62E-01	1.47E-01	-4.44E-02	1.97E-02	-7.48E-04	-5.32E-02	-3.60E-03	-4.49E-03	-2.85E-03	-4.34E-03	-2.62E+00
33	366625	757758	Residential	1.50E+00	1.21E+00	7.40E-01	4.85E+00	9.00E-01	-1.24E-01	3.66E-01	1.49E-01	-3.99E-02	2.58E-02	-7.61E-04	-5.40E-02	-3.66E-03	-4.57E-03	-2.91E-03	-4.42E-03	-2.66E+00
34	366682	757744	Residential	1.52E+00	1.23E+00	7.52E-01	4.90E+00	9.11E-01	-1.26E-01	3.70E-01	1.51E-01	-3.57E-02	3.16E-02	-7.75E-04	-5.49E-02	-3.73E-03	-4.65E-03	-2.96E-03	-4.50E-03	-2.71E+00
35	366768	757788	Residential	1.72E+00	1.38E+00	6.64E-01	5.53E+00	1.02E+00	-1.40E-01	4.17E-01	1.63E-01	-2.86E-01	-2.13E-01	-8.26E-04	-5.99E-02	-4.01E-03	-4.96E-03	-3.16E-03	-4.79E-03	-2.90E+00
36	366854	757833	Residential	2.03E+00	1.58E+00	3.92E-01	6.39E+00	1.15E+00	-1.47E-01	4.74E-01	1.71E-01	-8.68E-01	-7.74E-01	-9.59E-04	-6.92E-02	-4.68E-03	-5.76E-03	-3.67E-03	-5.57E-03	-3.36E+00
37	366941	757877	Residential	2.16E+00	1.64E+00	3.07E-01	6.73E+00	1.19E+00	-1.42E-01	4.93E-01	1.74E-01	-1.05E+00	-9.55E-01	-1.04E-03	-7.56E-02	-5.12E-03	-6.26E-03	-3.99E-03	-6.05E-03	-3.66E+00
38	367027	757922	Residential	2.37E+00	1.74E+00	5.16E-01	7.34E+00	1.27E+00	-1.35E-01	5.23E-01	1.93E-01	-8.02E-01	-7.31E-01	-1.06E-03	-7.82E-02	-5.22E-03	-6.37E-03	-4.07E-03	-6.16E-03	-3.73E+00
39	367113	757966	Residential	2.53E+00	1.79E+00	1.07E+00	7.77E+00	1.32E+00	-1.20E-01	5.36E-01	2.19E-01	3.20E-02	4.66E-02	-1.15E-03	-8.34E-02	-5.65E-03	-6.92E-03	-4.41E-03	-6.69E-03	-4.05E+00

Table 3-6A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Maximum Range Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
40	367192	757916	Residential	2.53E+00	1.82E+00	9.63E-01	7.81E+00	1.34E+00	-1.30E-01	5.46E-01	2.18E-01	-1.78E-01	-1.43E-01	-1.19E-03	-8.63E-02	-5.83E-03	-7.14E-03	-4.55E-03	-6.90E-03	-4.18E+00
41	367264	757916	Residential	2.67E+00	1.90E+00	1.11E+00	8.23E+00	1.40E+00	-1.29E-01	5.69E-01	2.31E-01	-5.21E-03	1.26E-02	-1.23E-03	-8.83E-02	-6.00E-03	-7.37E-03	-4.70E-03	-7.13E-03	-4.31E+00
42	367335	757916	Residential	2.81E+00	1.98E+00	1.27E+00	8.64E+00	1.46E+00	-1.30E-01	5.93E-01	2.46E-01	1.90E-01	1.92E-01	-1.24E-03	-8.89E-02	-6.02E-03	-7.42E-03	-4.73E-03	-7.17E-03	-4.33E+00
43	367343	757966	Residential	3.02E+00	2.09E+00	1.69E+00	9.28E+00	1.56E+00	-1.27E-01	6.27E-01	2.74E-01	7.52E-01	7.12E-01	-1.07E-03	-7.79E-02	-5.15E-03	-6.42E-03	-4.10E-03	-6.20E-03	-3.76E+00
44	367404	757995	Residential	3.13E+00	2.18E+00	1.87E+00	9.63E+00	1.62E+00	-1.34E-01	6.51E-01	2.89E-01	9.68E-01	9.18E-01	-9.99E-04	-7.15E-02	-4.74E-03	-5.99E-03	-3.82E-03	-5.79E-03	-3.50E+00
45	367465	758024	Residential	3.21E+00	2.26E+00	1.75E+00	9.89E+00	1.68E+00	-1.48E-01	6.77E-01	2.93E-01	6.87E-01	6.61E-01	-1.07E-03	-7.68E-02	-5.10E-03	-6.43E-03	-4.09E-03	-6.21E-03	-3.75E+00
55	367673	758189	Residential	3.04E+00	2.18E+00	9.80E-01	9.33E+00	1.60E+00	-1.54E-01	6.52E-01	2.54E-01	-4.35E-01	-3.99E-01	-1.14E-03	-8.04E-02	-5.53E-03	-6.85E-03	-4.35E-03	-6.62E-03	-3.99E+00
59	367816	758096	Residential	3.27E+00	2.33E+00	1.12E+00	1.00E+01	1.71E+00	-1.61E-01	6.98E-01	2.75E-01	-3.64E-01	-3.31E-01	-1.21E-03	-8.57E-02	-5.87E-03	-7.29E-03	-4.63E-03	-7.05E-03	-4.25E+00
60	367898	758066	Residential	3.32E+00	2.39E+00	1.23E+00	1.03E+01	1.76E+00	-1.72E-01	7.17E-01	2.86E-01	-2.37E-01	-2.06E-01	-1.22E-03	-8.75E-02	-5.88E-03	-7.29E-03	-4.65E-03	-7.05E-03	-4.26E+00
61	367980	758035	Residential	3.43E+00	2.48E+00	1.33E+00	1.06E+01	1.83E+00	-1.83E-01	7.45E-01	2.98E-01	-1.70E-01	-1.40E-01	-1.22E-03	-8.96E-02	-5.93E-03	-7.33E-03	-4.68E-03	-7.09E-03	-4.30E+00
62	368062	758005	Residential	3.59E+00	2.61E+00	1.38E+00	1.12E+01	1.93E+00	-1.96E-01	7.84E-01	3.14E-01	-1.93E-01	-1.62E-01	-1.31E-03	-9.64E-02	-6.38E-03	-7.88E-03	-5.03E-03	-7.62E-03	-4.62E+00
63	368144	757975	Residential	3.90E+00	2.83E+00	1.31E+00	1.21E+01	2.08E+00	-2.11E-01	8.49E-01	3.33E-01	-4.73E-01	-4.34E-01	-1.36E-03	-1.00E-01	-6.60E-03	-8.17E-03	-5.22E-03	-7.90E-03	-4.79E+00
64	368226	757945	Residential	4.22E+00	3.07E+00	1.24E+00	1.31E+01	2.25E+00	-2.30E-01	9.20E-01	3.53E-01	-7.86E-01	-7.35E-01	-1.38E-03	-1.03E-01	-6.69E-03	-8.30E-03	-5.31E-03	-8.02E-03	-4.87E+00
65	368301	757943	Residential	5.36E+00	3.76E+00	1.76E+00	1.64E+01	2.76E+00	-2.43E-01	1.12E+00	4.42E-01	-5.46E-01	-5.41E-01	-1.22E-03	-9.28E-02	-5.86E-03	-7.30E-03	-4.69E-03	-7.06E-03	-4.30E+00
66	368376	757941	Residential	8.14E+00	5.35E+00	3.01E+00	2.45E+01	3.94E+00	-2.44E-01	1.60E+00	6.50E-01	1.09E-01	-2.05E-02	-1.11E-03	-8.56E-02	-5.29E-03	-6.65E-03	-4.28E-03	-6.43E-03	-3.92E+00
67	368452	757940	Residential	9.93E+00	6.32E+00	4.07E+00	2.96E+01	4.66E+00	-2.20E-01	1.88E+00	7.87E-01	9.85E-01	7.33E-01	-9.96E-04	-7.69E-02	-4.70E-03	-5.97E-03	-3.84E-03	-5.78E-03	-3.53E+00
68	368527	757938	Residential	1.03E+01	6.61E+00	3.81E+00	3.07E+01	4.86E+00	-2.50E-01	1.97E+00	8.05E-01	3.28E-01	1.13E-01	-1.04E-03	-7.83E-02	-4.91E-03	-6.25E-03	-4.00E-03	-6.04E-03	-3.67E+00
69	368563	757880	Residential	1.15E+01	7.32E+00	4.48E+00	3.44E+01	5.40E+00	-2.50E-01	2.18E+00	9.03E-01	7.95E-01	5.10E-01	-9.88E-04	-7.43E-02	-4.60E-03	-5.93E-03	-3.80E-03	-5.73E-03	-3.48E+00
70	368636	757926	Residential	1.08E+01	6.93E+00	3.58E+00	3.23E+01	5.09E+00	-2.53E-01	2.07E+00	8.28E-01	-2.95E-01	-4.99E-01	-1.62E-03	-1.16E-01	-7.81E-03	-9.72E-03	-6.19E-03	-9.40E-03	-5.67E+00
71	368709	757971	Residential	6.64E+00	4.54E+00	-7.31E-01	1.99E+01	3.25E+00	-2.61E-01	1.36E+00	4.21E-01	-5.02E+00	-4.84E+00	-3.58E-03	-2.55E-01	-1.79E-02	-2.15E-02	-1.37E-02	-2.08E-02	-1.25E+01
72	368782	758017	Residential	3.77E+00	2.89E+00	-1.99E+00	1.16E+01	2.04E+00	-2.61E-01	8.67E-01	2.08E-01	-5.64E+00	-5.33E+00	-3.89E-03	-2.71E-01	-1.94E-02	-2.33E-02	-1.48E-02	-2.25E-02	-1.36E+01
73	368855	758062	Residential	3.80E+00	2.83E+00	6.73E-03	1.18E+01	2.04E+00	-2.30E-01	8.48E-01	2.81E-01	-2.47E+00	-2.33E+00	-2.11E-03	-1.43E-01	-1.03E-02	-1.27E-02	-8.00E-03	-1.22E-02	-7.34E+00
74	368928	758108	Residential	2.95E+00	2.23E+00	3.89E-01	9.27E+00	1.62E+00	-1.91E-01	6.69E-01	2.36E-01	-1.38E+00	-1.29E+00	-1.36E-03	-9.73E-02	-6.66E-03	-8.17E-03	-5.20E-03	-7.89E-03	-4.77E+00
75	369001	758153	Residential	3.71E+00	2.61E+00	1.20E+00	1.14E+01	1.92E+00	-1.71E-01	7.81E-01	3.06E-01	-4.32E-01	-4.19E-01	-1.53E-03	-1.09E-01	-7.56E-03	-9.17E-03	-5.84E-03	-8.86E-03	-5.35E+00
76	369058	758074	Residential	4.02E+00	2.84E+00	1.19E+00	1.24E+01	2.08E+00	-1.88E-01	8.50E-01	3.28E-01	-6.39E-01	-6.17E-01	-1.69E-03	-1.23E-01	-8.43E-03	-1.02E-02	-6.48E-03	-9.83E-03	-5.94E+00
77	369102	758103	Residential	4.57E+00	3.16E+00	6.95E-01	1.39E+01	2.30E+00	-1.93E-01	9.46E-01	3.41E-01	-1.66E+00	-1.61E+00	-1.76E-03	-1.23E-01	-8.71E-03	-1.06E-02	-6.71E-03	-1.02E-02	-6.16E+00
78	369145	758132	Residential	5.19E+00	3.48E+00	1.11E+00	1.57E+01	2.54E+00	-1.79E-01	1.04E+00	3.89E-01	-1.26E+00	-1.26E+00	-2.08E-03	-1.43E-01	-1.02E-02	-1.25E-02	-7.91E-03	-1.21E-02	-7.26E+00
79	369200	758065	Residential	5.58E+00	3.71E+00	1.78E+00	1.69E+01	2.73E+00	-1.82E-01	1.11E+00	4.38E-01	-4.25E-01	-4.72E-01	-2.15E-03	-1.45E-01	-1.05E-02	-1.29E-02	-8.16E-03	-1.25E-02	-7.49E+00
80	369255	757998	Residential	5.55E+00	3.73E+00	2.44E+00	1.69E+01	2.76E+00	-1.92E-01	1.11E+00	4.65E-01	5.50E-01	4.68E-01	-2.24E-03	-1.52E-01	-1.09E-02	-1.34E-02	-8.48E-03	-1.30E-02	-7.78E+00
81	369310	757931	Residential	5.67E+00	3.81E+00	2.31E+00	1.73E+01	2.81E+00	-2.00E-01	1.14E+00	4.69E-01	2.83E-01	2.12E-01	-2.41E-03	-1.65E-01	-1.17E-02	-1.45E-02	-9.15E-03	-1.40E-02	-8.40E+00
82	369356	757981	Residential	4.74E+00	3.14E+00	2.12E+00	1.45E+01	2.32E+00	-1.49E-01	9.38E-01	3.95E-01	5.70E-01	4.87E-01	-2.08E-03	-1.41E-01	-1.00E-02	-1.25E-02	-7.90E-03	-1.21E-02	-7.25E+00
83	369403	758031	Residential	4.28E+00	2.81E+00	2.27E+00	1.31E+01	2.09E+00	-1.26E-01	8.38E-01	3.68E-01	1.08E+00	9.79E-01	-2.10E-03	-1.45E-01	-1.03E-02	-1.26E-02	-7.97E-03	-1.22E-02	-7.31E+00
92	369389	758634	Residential	1.69E+00	1.36E+00	2.49E-01	5.43E+00	9.93E-01	-1.38E-01	4.10E-01	1.45E-01	-8.63E-01	-7.78E-01	-1.47E-03	-1.02E-01	-7.20E-03	-8.81E-03	-5.59E-03	-8.52E-03	-5.13E+00
93	369469	758630	Residential	4.06E-01	7.36E-01	-1.43E+00	1.75E+00	4.99E-01	-1.78E-01	2.25E-01	1.66E-02	-2.98E+00	-2.72E+00	-3.14E-03	-2.20E-01	-1.57E-02	-1.89E-02	-1.20E-02	-1.82E-02	-1.10E+01
94	369549	758625	Residential	6.87E-02	5.63E-01	-2.23E+00	7.37E-01	3.53E-01	-1.86E-01	1.74E-01	-3.20E-02	-4.08E+00	-3.75E+00	-3.56E-03	-2.48E-01	-1.79E-02	-2.13E-02	-1.35E-02	-2.06E-02	-1.24E+01
95	369630	758621	Residential	2.74E-01	6.93E-01	-1.81E+00	1.38E+00	4.58E-01	-1.90E-01	2.13E-01	-2.90E-03	-3.56E+00	-3.26E+00	-2.30E-03	-1.60E-01	-1.15E-02	-1.38E-02	-8.74E-03	-1.33E-02	-8.02E+00
96	369710	758617	Residential	1.57E+00	1.31E+00	-2.09E-01	5.07E+00	9.42E-01	-1.44E-01	3.94E-01	1.21E-01	-1.54E+00	-1.41E+00	-1.84E-03	-1.30E-01	-9.22E-03	-1.11E-02	-7.03E-03	-1.07E-02	-6.45E+00
97	369791	758613	Residential	2.44E+00	1.71E+00	5.28E-01	7.47E+00	1.25E+00	-1.10E-01	5.11E-01	1.90E-01	-6.70E-01	-6.46E-01	-2.40E-03	-1.70E-01	-1.21E-02	-1.44E-02	-9.16E-03	-1.39E-02	-8.41E+00
98	369791	758514	Residential	2.75E+00	1.89E+00	7.16E-01	8.40E+00	1.38E+00	-1.09E-01	5.64E-01	2.15E-01	-5.45E-01	-5.33E-01	-2.32E-03	-1.63E-01	-1.16E-02	-1.39E-02	-8.82E-03	-1.34E-02	-8.09E+00
99	369791	758416	Residential	3.13E+00	2.09E+00	9.71E-01	9.50E+00	1.54E+00	-1.06E-01	6.26E-01	2.46E-01	-3.24E-01	-3.36E-01	-2.18E-03	-1.54E-01	-1.10E-02	-1.31E-02	-8.31E-03	-1.26E-02	-7.63E+00
100	369791	758318	Residential	3.78E+00	2.44E+00	9.62E-01	1.13E+01	1.78E+00	-9.70E-02	7.28E-01	2.80E-01	-5.96E-01	-6.29E-01	-2.14E-03	-1.51E-01	-1.08E-02	-1.29E-02	-8.16E-03	-1.24E-02	-7.49E+00
101	369881	758318	Residential	1.99E+00	1.54E+00	-1.71E-01	6.29E+00	1.11E+00	-1.42E-01	4.63E-01	1.46E-01	-1.67E+00	-1.55E+00	-2.79E-03	-1.96E-01	-1.41E-02	-1.67E-02	-1.06E-02	-1.62E-02	-9.75E+00
102	369972	758318	Residential	-1.16E-01	4.90E-01	-1.37E+00	4.06E-01	3.25E-01	-1.97E-01	1.53E-01	-5.47E-03	-2.71E+00	-2.43E+00	-2.81E-03	-1.99E-01	-1.42E-02	-1.68E-02	-1.07E-02	-1.63E-02	-9.82E+00
103	370062	758318	Residential	1.06E-01	6.52E-01	-1.64E+00	1.07E+00	4.34E-01	-2.09E-01	2.01E-01	3.76E-04	-3.23E+00	-2.94E+00	-2.05E-03	-1.48E-01	-1.04E-02	-1.23E-02	-7.85E-03	-1.19E-02	-7.20E+00
104	370153	758318	Residential	2.97E-01	7.54E-01	-1.79E+00	1.58E+00	5.03E-01	-2.07E-01	2.31E-01	4.12E-03	-3.57E+00	-3.26E+00	-1.93E-03	-1.38E-01	-9.73E-03	-1.16E-02	-7.39E-03	-1.12E-02	-6.77E+00
105	370243	758318	Residential	3.21E-01	8.03E-01	-2.00E+00	1.68E+00	5.33E-01	-2.19E-01	2.46E-01	1.15E-03	-3.91E+00	-3.59E+00	-2.55E-03	-1.77E-01	-1.28E-02	-1.53E-02	-9.69E-03	-1.48E-02	-8.89E+00
111	370408	758347	Residential	-5.68E-01	3.81E-01	-3.11E+00	-8.51E-01	2.01E-01	-2.51E-01	1.22E-01	-8.45E-02	-5.33E+00	-4.88E+00	-3.77E-03	-2.66E-01	-1.91E-02	-2.26E-02	-1.44E-02	-2.18E-02	-1.32E+01
112	370490	758344	Residential	-1.54E+00	-7.24E-02	-3.34E+00	-3.50E+00	-1.28E-01	-2.87E-01	-1.06E-02	-1.39E-01	-5.37E+00	-4.86E+00	-3.26E-03	-2.32E-01	-1.65E-02	-1.95E-02	-1.24E-02	-1.89E-02	-1.14E+01
113	370572	758341	Residential	-1.11E+00	2.12E-01	-3.70E+00	-2.27E+00	6.63E-02	-3.01E-01	7.39E-02	-1.25E-01	-6.16E+00	-5.61E+00	-2.90E-03	-2.03E-01	-1.47E-02	-1.74E-02	-1.11E-02	-1.68E-02	-1.01E+01
114	370654	758338	Residential	-2.26E-01	8.13E-01	-3.43E+00	4.06E-01	5.07E-01	-3.34E-01	2.53E-01	-5.43E-02	-6.23E+00	-5.70E+00	-2.91E-03	-2.07E-01	-1.46E-02	-1.74E-02	-1.11E-02	-1.69E-02	-1.02E+01
115	370735	758335	Residential	7.44E-01	1.18E+00	-2.19E+00	3.02E+00	8.00E-01	-2.66E-01	3.59E-01	3.02E-02	-4.61E+00	-4.22E+00	-2.43E-03	-1.75E-01	-1.22E-02	-1.46E-02	-9.28E-03	-1.41E-02	-8.51E+00
116	370817	758333	Residential	1.10E+00	1.29E+00	-1.02E+00	4.04E+00	9.08E-01	-2.31E-01	3.90E-01	8.72E-02	-2.84E+00	-2.58E+00	-1.62E-03	-1.14E-01	-8.03E-03	-9.73E-03	-6.18E-03	-9.41E-03	-5.67E+00
130	371183	758027	Residential	4.00E+00	2.84E+00	1.61E+00	1.24E+01	2.10E+00	-1.93E-01	8.51E-01	3.45E-01	-4.75E-02	-3.00E-02	-1.86E-03	-1.29E-01	-8.91E-03	-1.12E-02	-7.08E-03	-1.08E-02	-6.50E+00
131	371248	758024	Residential	4.14E+00	2.95E+00	1.33E+00	1.28E+01	2.17E+00	-2.04E-01	8.84E-01	3.45E-01	-5.44E-01	-5.16E-01	-1.83E-03	-1.29E-01	-8.77E-03	-1.10E-02	-6.97E-03	-1.06E-02	-6.40E+00
132	371326	758075	Residential	3.89E+00	2.75E+00	1.26E+00	1.20E+01	2.02E+00	-1.85E-01	8.25E-01	3.23E-01	-4.91E-01	-4.63E-01	-1.80E-03	-1.21E-01	-8.61E-03	-1.08E-02	-6.81E-03	-1.04E-02	-6.25E+00
133	371404	758127	Residential	3.42E+00	2.45E+00	1.35E+00	1.06E+01	1.81E+00	-1.73E-01	7.35E-01	2.96E-01	-1.36E-01	-1.02E-01	-1.60E-03	-1.07E-01	-7.68E-03	-9.61E-03	-6.06E-03	-9.29E-03	-5.56E+00

Table 3-6A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Maximum Range Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
134	371481	758178	Residential	3.15E+00	2.29E+00	1.32E+00	9.83E+00	1.69E+00	-1.70E-01	6.86E-01	2.78E-01	-5.11E-02	-1.03E-02	-1.43E-03	-9.59E-02	-6.87E-03	-8.59E-03	-5.42E-03	-8.31E-03	-4.98E+00
135	371559	758230	Residential	2.93E+00	2.14E+00	1.33E+00	9.17E+00	1.59E+00	-1.65E-01	6.44E-01	2.65E-01	7.17E-02	1.14E-01	-1.37E-03	-8.66E-02	-6.56E-03	-8.22E-03	-5.15E-03	-7.95E-03	-4.73E+00
136	371637	758281	Residential	2.76E+00	2.00E+00	1.34E+00	8.61E+00	1.48E+00	-1.47E-01	6.00E-01	2.50E-01	2.00E-01	2.35E-01	-1.33E-03	-7.75E-02	-6.34E-03	-7.98E-03	-4.96E-03	-7.72E-03	-4.55E+00
137	371715	758333	Residential	2.54E+00	1.86E+00	1.35E+00	7.96E+00	1.38E+00	-1.42E-01	5.59E-01	2.37E-01	3.27E-01	3.62E-01	-1.24E-03	-7.32E-02	-5.92E-03	-7.46E-03	-4.63E-03	-7.21E-03	-4.25E+00
138	371769	758261	Residential	1.93E+00	1.52E+00	1.47E+00	6.26E+00	1.14E+00	-1.48E-01	4.60E-01	2.08E-01	7.88E-01	8.26E-01	-1.21E-03	-7.43E-02	-5.77E-03	-7.24E-03	-4.52E-03	-7.00E-03	-4.15E+00
139	371822	758189	Residential	1.06E+00	1.35E+00	3.93E-01	4.15E+00	9.98E-01	-2.64E-01	4.11E-01	1.50E-01	-7.26E-01	-5.41E-01	-9.28E-04	-6.63E-02	-4.43E-03	-5.57E-03	-3.54E-03	-5.38E-03	-3.25E+00
140	371894	758160	Residential	7.01E-01	1.44E+00	-3.18E-01	3.47E+00	1.04E+00	-3.65E-01	4.37E-01	1.31E-01	-1.86E+00	-1.58E+00	-1.11E-03	-9.78E-02	-5.51E-03	-6.66E-03	-4.37E-03	-6.43E-03	-4.00E+00
141	371894	758081	Residential	4.33E-01	1.50E+00	-1.22E+00	2.92E+00	1.07E+00	-4.43E-01	4.59E-01	1.03E-01	-3.33E+00	-2.93E+00	-1.25E-03	-1.13E-01	-6.20E-03	-7.47E-03	-4.93E-03	-7.22E-03	-4.52E+00
142	371959	758074	Residential	7.51E-01	1.61E+00	-9.96E-01	3.73E+00	1.15E+00	-4.16E-01	4.91E-01	1.22E-01	-3.10E+00	-2.72E+00	-1.35E-03	-1.04E-01	-6.58E-03	-8.11E-03	-5.22E-03	-7.84E-03	-4.78E+00
155	372055	757363	Residential	9.94E-01	1.62E+00	-3.73E-01	4.56E+00	1.17E+00	-3.71E-01	4.94E-01	1.47E-01	-2.19E+00	-1.87E+00	-1.19E-03	-1.10E-01	-5.95E-03	-7.14E-03	-4.72E-03	-6.90E-03	-4.33E+00
297	370239	755427	Residential	5.08E+00	3.38E+00	2.89E+00	1.54E+01	2.52E+00	-1.66E-01	1.01E+00	4.49E-01	1.54E+00	1.42E+00	-3.30E-03	-2.29E-01	-1.59E-02	-1.98E-02	-1.26E-02	-1.92E-02	-1.15E+01
298	370138	755427	Residential	6.08E+00	3.79E+00	4.42E+00	1.82E+01	2.85E+00	-1.06E-01	1.13E+00	5.50E-01	3.63E+00	3.32E+00	-3.26E-03	-2.21E-01	-1.56E-02	-1.95E-02	-1.24E-02	-1.89E-02	-1.13E+01
299	370040	755427	Residential	1.58E-02	6.88E-01	-2.50E+00	7.66E-01	4.38E-01	-2.41E-01	2.13E-01	-3.01E-02	-4.62E+00	-4.24E+00	-2.78E-03	-1.91E-01	-1.33E-02	-1.67E-02	-1.05E-02	-1.61E-02	-9.68E+00
300	369941	755426	Residential	1.26E+00	1.30E+00	-1.40E+00	4.28E+00	9.05E-01	-2.04E-01	3.93E-01	7.35E-02	-3.40E+00	-3.14E+00	-3.46E-03	-2.40E-01	-1.71E-02	-2.08E-02	-1.32E-02	-2.01E-02	-1.21E+01
301	369842	755426	Residential	2.06E+00	1.74E+00	-5.48E-01	6.64E+00	1.25E+00	-1.99E-01	5.25E-01	1.52E-01	-2.43E+00	-2.25E+00	-2.58E-03	-1.83E-01	-1.27E-02	-1.55E-02	-9.85E-03	-1.50E-02	-9.03E+00
304	369544	755434	Residential	-4.56E-03	7.63E-01	-2.86E+00	8.04E-01	4.83E-01	-2.71E-01	2.36E-01	-3.70E-02	-5.26E+00	-4.82E+00	-3.23E-03	-2.32E-01	-1.62E-02	-1.94E-02	-1.23E-02	-1.87E-02	-1.13E+01
305	369445	755434	Residential	1.84E+00	1.71E+00	-9.77E-01	6.08E+00	1.21E+00	-2.30E-01	5.15E-01	1.31E-01	-3.12E+00	-2.87E+00	-2.89E-03	-2.05E-01	-1.45E-02	-1.73E-02	-1.10E-02	-1.68E-02	-1.01E+01
306	369346	755434	Residential	2.91E+00	2.27E+00	-2.77E-01	9.12E+00	1.64E+00	-2.14E-01	6.83E-01	2.14E-01	-2.50E+00	-2.32E+00	-3.41E-03	-2.37E-01	-1.70E-02	-2.04E-02	-1.30E-02	-1.98E-02	-1.19E+01
310	368953	755441	Residential	1.95E+00	1.91E+00	-2.62E-01	6.68E+00	1.38E+00	-2.80E-01	5.78E-01	1.79E-01	-2.23E+00	-1.99E+00	-1.63E-03	-1.12E-01	-8.00E-03	-9.76E-03	-6.19E-03	-9.44E-03	-5.67E+00
311	368854	755441	Residential	1.77E+00	1.72E+00	-5.89E-01	6.02E+00	1.23E+00	-2.49E-01	5.20E-01	1.47E-01	-2.54E+00	-2.30E+00	-2.23E-03	-1.56E-01	-1.11E-02	-1.34E-02	-8.48E-03	-1.29E-02	-7.78E+00
312	368755	755441	Residential	1.90E+00	1.70E+00	-5.41E-01	6.27E+00	1.22E+00	-2.16E-01	5.12E-01	1.47E-01	-2.41E+00	-2.21E+00	-2.04E-03	-1.44E-01	-1.00E-02	-1.22E-02	-7.77E-03	-1.18E-02	-7.13E+00
313	368657	755441	Residential	2.39E+00	1.94E+00	-7.55E-02	7.67E+00	1.40E+00	-2.00E-01	5.82E-01	1.89E-01	-1.86E+00	-1.72E+00	-1.76E-03	-1.25E-01	-8.70E-03	-1.06E-02	-6.72E-03	-1.02E-02	-6.17E+00
314	368558	755440	Residential	2.91E+00	2.20E+00	1.37E-01	9.13E+00	1.59E+00	-1.86E-01	6.58E-01	2.23E-01	-1.73E+00	-1.62E+00	-1.46E-03	-1.03E-01	-7.14E-03	-8.76E-03	-5.57E-03	-8.47E-03	-5.11E+00
315	368459	755440	Residential	3.19E+00	2.35E+00	9.01E-01	1.00E+01	1.72E+00	-1.82E-01	7.03E-01	2.68E-01	-6.77E-01	-6.29E-01	-1.14E-03	-8.03E-02	-5.47E-03	-6.81E-03	-4.33E-03	-6.59E-03	-3.97E+00
316	368360	755440	Residential	3.72E+00	2.61E+00	1.31E+00	1.15E+01	1.92E+00	-1.67E-01	7.80E-01	3.10E-01	-2.49E-01	-2.47E-01	-8.10E-04	-5.57E-02	-3.79E-03	-4.86E-03	-3.08E-03	-4.70E-03	-2.82E+00
317	368262	755439	Residential	3.81E+00	2.65E+00	1.36E+00	1.18E+01	1.95E+00	-1.66E-01	7.94E-01	3.17E-01	-2.01E-01	-2.08E-01	-1.18E-03	-8.36E-02	-5.72E-03	-7.08E-03	-4.50E-03	-6.84E-03	-4.13E+00
318	368186	755427	Residential	3.63E+00	2.56E+00	1.25E+00	1.13E+01	1.88E+00	-1.70E-01	7.66E-01	3.03E-01	-2.95E-01	-2.89E-01	-1.36E-03	-9.69E-02	-6.65E-03	-8.14E-03	-5.18E-03	-7.87E-03	-4.75E+00
319	368111	755414	Residential	3.43E+00	2.45E+00	1.17E+00	1.07E+01	1.80E+00	-1.71E-01	7.34E-01	2.89E-01	-3.49E-01	-3.31E-01	-1.48E-03	-1.06E-01	-7.31E-03	-8.88E-03	-5.65E-03	-8.59E-03	-5.19E+00
46	367504	757948	School	3.29E+00	2.28E+00	1.96E+00	1.01E+01	1.70E+00	-1.40E-01	6.83E-01	3.03E-01	1.02E+00	9.61E-01	-1.03E-03	-7.40E-02	-4.90E-03	-6.19E-03	-3.94E-03	-5.98E-03	-3.62E+00
47	367544	757873	School	3.10E+00	2.21E+00	1.51E+00	9.61E+00	1.64E+00	-1.54E-01	6.64E-01	2.79E-01	3.57E-01	3.53E-01	-1.19E-03	-8.75E-02	-5.73E-03	-7.13E-03	-4.55E-03	-6.89E-03	-4.18E+00
48	367587	757909	School	3.39E+00	2.37E+00	1.98E+00	1.05E+01	1.76E+00	-1.49E-01	7.09E-01	3.13E-01	9.75E-01	9.23E-01	-1.10E-03	-7.99E-02	-5.26E-03	-6.62E-03	-4.22E-03	-6.40E-03	-3.87E+00
49	367623	757866	School	3.26E+00	2.33E+00	1.69E+00	1.01E+01	1.73E+00	-1.62E-01	6.98E-01	2.98E-01	5.45E-01	5.30E-01	-1.18E-03	-8.67E-02	-5.66E-03	-7.07E-03	-4.52E-03	-6.83E-03	-4.14E+00
50	367694	757866	School	3.48E+00	2.46E+00	1.95E+00	1.08E+01	1.83E+00	-1.66E-01	7.37E-01	3.21E-01	8.44E-01	8.08E-01	-1.18E-03	-8.57E-02	-5.61E-03	-7.06E-03	-4.51E-03	-6.83E-03	-4.13E+00
51	367716	757927	School	3.89E+00	2.70E+00	1.90E+00	1.19E+01	2.00E+00	-1.66E-01	8.08E-01	3.42E-01	5.51E-01	5.18E-01	-1.19E-03	-8.58E-02	-5.68E-03	-7.17E-03	-4.56E-03	-6.93E-03	-4.19E+00
52	367737	757988	School	4.04E+00	2.77E+00	1.47E+00	1.23E+01	2.04E+00	-1.63E-01	8.30E-01	3.33E-01	-1.84E-01	-1.86E-01	-1.21E-03	-8.46E-02	-5.76E-03	-7.25E-03	-4.60E-03	-7.01E-03	-4.22E+00
53	367727	758067	School	3.62E+00	2.53E+00	9.35E-01	1.10E+01	1.85E+00	-1.59E-01	7.57E-01	2.87E-01	-7.99E-01	-7.61E-01	-1.17E-03	-8.13E-02	-5.61E-03	-7.04E-03	-4.47E-03	-6.81E-03	-4.10E+00
54	367716	758146	School	3.17E+00	2.24E+00	9.87E-01	9.70E+00	1.65E+00	-1.52E-01	6.73E-01	2.61E-01	-4.86E-01	-4.51E-01	-1.19E-03	-8.29E-02	-5.75E-03	-7.15E-03	-4.53E-03	-6.91E-03	-4.16E+00
56	367723	758254	School	2.80E+00	2.11E+00	1.22E+00	8.79E+00	1.56E+00	-1.78E-01	6.33E-01	2.57E-01	-6.75E-03	2.74E-02	-9.47E-04	-6.98E-02	-4.57E-03	-5.68E-03	-3.63E-03	-5.49E-03	-3.33E+00
57	367784	758221	School	2.90E+00	2.18E+00	1.21E+00	9.10E+00	1.61E+00	-1.83E-01	6.55E-01	2.64E-01	-8.07E-02	-4.32E-02	-9.86E-04	-7.22E-02	-4.75E-03	-5.92E-03	-3.78E-03	-5.72E-03	-3.46E+00
58	367845	758189	School	3.04E+00	2.28E+00	1.18E+00	9.51E+00	1.68E+00	-1.89E-01	6.83E-01	2.72E-01	-2.05E-01	-1.64E-01	-1.02E-03	-7.46E-02	-4.92E-03	-6.14E-03	-3.92E-03	-5.94E-03	-3.60E+00
106	370247	758254	School	3.83E-01	8.43E-01	-2.01E+00	1.87E+00	5.62E-01	-2.21E-01	2.58E-01	4.43E-03	-3.97E+00	-3.65E+00	-2.83E-03	-1.98E-01	-1.42E-02	-1.70E-02	-1.08E-02	-1.64E-02	-9.89E+00
107	370250	758189	School	2.56E-01	8.07E-01	-2.25E+00	1.55E+00	5.30E-01	-2.34E-01	2.48E-01	-8.44E-03	-4.32E+00	-3.97E+00	-3.17E-03	-2.23E-01	-1.60E-02	-1.90E-02	-1.21E-02	-1.84E-02	-1.11E+01
108	370308	758196	School	2.82E-01	7.89E-01	-1.92E+00	1.62E+00	5.26E-01	-2.22E-01	2.42E-01	2.90E-03	-3.78E+00	-3.46E+00	-3.96E-03	-2.79E-01	-2.00E-02	-2.38E-02	-1.51E-02	-2.30E-02	-1.39E+01
109	370361	758236	School	-1.52E-01	5.66E-01	-2.71E+00	3.19E-01	3.44E-01	-2.32E-01	1.77E-01	-5.09E-02	-4.87E+00	-4.47E+00	-4.16E-03	-2.93E-01	-2.10E-02	-2.50E-02	-1.59E-02	-2.42E-02	-1.46E+01
110	370415	758275	School	-6.23E-01	3.93E-01	-3.34E+00	-9.61E-01	2.04E-01	-2.66E-01	1.26E-01	-9.24E-02	-5.71E+00	-5.23E+00	-3.81E-03	-2.69E-01	-1.93E-02	-2.29E-02	-1.45E-02	-2.21E-02	-1.33E+01
302	369741	755435	School	-4.66E-01	4.67E-01	-3.64E+00	-6.43E-01	2.49E-01	-2.60E-01	1.48E-01	-9.73E-02	-6.24E+00	-5.75E+00	-1.33E-03	-9.49E-02	-6.38E-03	-7.99E-03	-5.08E-03	-7.72E-03	-4.66E+00
303	369643	755434	School	7.53E-01	1.08E+00	-5.71E-01	3.01E+00	7.75E-01	-2.30E-01	3.31E-01	8.45E-02	-2.03E+00	-1.78E+00	-1.38E-03	-1.01E-01	-6.78E-03	-8.31E-03	-5.30E-03	-8.03E-03	-4.86E+00

Note: Shaded cells indicate locations where concentrations were highest within each land use category.

Table 3-6B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Maximum Range
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acetaldehyde Acute Hazard	acrolein (µg/m^3)	acrolein Acute Hazard	benzene (µg/m^3)	benzene Acute Hazard	formaldehyde (µg/m^3)	formaldehyde Acute Hazard	methyl alcohol (µg/m^3)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m^3)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m^3)	phenol (carbolic acid) Acute Hazard	styrene (µg/m^3)	styrene Acute Hazard	toluene (µg/m^3)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
117	370814	758243	Offsite Worker	1.26E+00	2.68E-03	1.39E+00	5.58E-01	-8.60E-01	-6.62E-04	4.54E+00	8.26E-02	9.91E-01	3.54E-05	-2.38E-01	-1.83E-05	4.23E-01	7.29E-05	1.04E-01	4.98E-06	-2.68E+00	-7.24E-05
118	370810	758153	Offsite Worker	1.36E+00	2.90E-03	1.48E+00	5.90E-01	-7.79E-01	-5.99E-04	4.90E+00	8.91E-02	1.05E+00	3.76E-05	-2.46E-01	-1.89E-05	4.47E-01	7.71E-05	1.16E-01	5.52E-06	-2.62E+00	-7.08E-05
119	370807	758063	Offsite Worker	2.05E+00	4.36E-03	1.87E+00	7.49E-01	-2.13E-01	-1.64E-04	6.94E+00	1.26E-01	1.35E+00	4.83E-05	-2.46E-01	-1.89E-05	5.65E-01	9.74E-05	1.77E-01	8.45E-06	-2.07E+00	-5.58E-05
120	370803	757974	Offsite Worker	2.49E+00	5.31E-03	2.18E+00	8.74E-01	-4.34E-01	-3.33E-04	8.29E+00	1.51E-01	1.57E+00	5.61E-05	-2.67E-01	-2.06E-05	6.58E-01	1.13E-04	2.00E-01	9.51E-06	-2.67E+00	-7.21E-05
121	370835	757927	Offsite Worker	3.26E+00	6.93E-03	2.50E+00	9.99E-01	-6.60E-01	-5.08E-04	1.03E+01	1.87E-01	1.79E+00	6.38E-05	-2.23E-01	-1.71E-05	7.49E-01	1.29E-04	2.21E-01	1.05E-05	-3.25E+00	-8.78E-05
122	370868	757880	Offsite Worker	3.08E+00	6.56E-03	2.42E+00	9.67E-01	7.57E-02	5.82E-05	9.91E+00	1.80E-01	1.75E+00	6.26E-05	-2.30E-01	-1.77E-05	7.26E-01	1.25E-04	2.43E-01	1.16E-05	-2.04E+00	-5.50E-05
123	370921	757884	Offsite Worker	3.19E+00	6.79E-03	2.46E+00	9.82E-01	-7.32E-02	-5.63E-05	1.01E+01	1.84E-01	1.78E+00	6.34E-05	-2.22E-01	-1.71E-05	7.38E-01	1.27E-04	2.40E-01	1.14E-05	-2.36E+00	-6.39E-05
124	370975	757887	Offsite Worker	3.56E+00	7.58E-03	2.71E+00	1.08E+00	5.21E-01	4.00E-04	1.13E+01	2.05E-01	1.97E+00	7.04E-05	-2.34E-01	-1.80E-05	8.12E-01	1.40E-04	2.89E-01	1.38E-05	-1.62E+00	-4.37E-05
125	370975	757794	Offsite Worker	4.87E+00	1.04E-02	3.52E+00	1.41E+00	2.07E+00	1.59E-03	1.53E+01	2.78E-01	2.60E+00	9.30E-05	-2.58E-01	-1.99E-05	1.06E+00	1.82E-04	4.31E-01	2.05E-05	1.07E-01	2.90E-06
126	371026	757794	Offsite Worker	5.31E+00	1.13E-02	3.83E+00	1.53E+00	1.61E+00	1.24E-03	1.65E+01	3.01E-01	2.81E+00	1.00E-04	-2.79E-01	-2.15E-05	1.15E+00	1.98E-04	4.44E-01	2.11E-05	-8.67E-01	-2.34E-05
127	371076	757877	Offsite Worker	4.77E+00	1.01E-02	3.41E+00	1.36E+00	1.83E+00	1.41E-03	1.48E+01	2.70E-01	2.51E+00	8.98E-05	-2.39E-01	-1.84E-05	1.02E+00	1.76E-04	4.10E-01	1.95E-05	-1.79E-01	-4.83E-06
128	371126	757959	Offsite Worker	4.45E+00	9.47E-03	3.13E+00	1.25E+00	1.99E+00	1.53E-03	1.38E+01	2.51E-01	2.32E+00	8.28E-05	-2.06E-01	-1.59E-05	9.39E-01	1.62E-04	3.89E-01	1.85E-05	2.99E-01	8.08E-06
129	371119	758031	Offsite Worker	3.52E+00	7.49E-03	2.65E+00	1.06E+00	1.39E+00	1.07E-03	1.12E+01	2.03E-01	1.96E+00	6.99E-05	-2.24E-01	-1.72E-05	7.96E-01	1.37E-04	3.18E-01	1.51E-05	-2.18E-01	-5.88E-06
143	371953	757977	Offsite Worker	1.14E+00	2.43E-03	1.80E+00	7.19E-01	-1.90E-01	-1.46E-04	4.88E+00	8.87E-02	1.31E+00	4.67E-05	-4.04E-01	-3.10E-05	5.47E-01	9.42E-05	1.72E-01	8.19E-06	-2.01E+00	-5.44E-05
144	371948	757880	Offsite Worker	1.66E+00	3.53E-03	1.82E+00	7.28E-01	-4.05E-01	-3.12E-04	5.95E+00	1.08E-01	1.31E+00	4.69E-05	-3.07E-01	-2.36E-05	5.51E-01	9.49E-05	1.65E-01	7.85E-06	-2.34E+00	-6.33E-05
145	371943	757783	Offsite Worker	5.85E-01	1.24E-03	1.55E+00	6.20E-01	-2.71E+00	-2.08E-03	3.16E+00	5.75E-02	1.06E+00	3.78E-05	-4.30E-01	-3.30E-05	4.73E-01	8.16E-05	4.82E-02	2.30E-06	-5.68E+00	-1.54E-04
146	372016	757794	Offsite Worker	6.51E-01	1.38E-03	1.44E+00	5.77E-01	-2.66E+00	-2.04E-03	3.15E+00	5.73E-02	9.82E-01	3.51E-05	-3.79E-01	-2.91E-05	4.41E-01	7.60E-05	3.93E-02	1.87E-06	-5.52E+00	-1.49E-04
147	372102	757791	Offsite Worker	5.29E-01	1.13E-03	1.28E+00	5.14E-01	-2.57E+00	-1.98E-03	2.68E+00	4.88E-02	8.70E-01	3.11E-05	-3.47E-01	-2.67E-05	3.93E-01	6.78E-05	2.65E-02	1.26E-06	-5.28E+00	-1.43E-04
148	372178	757760	Offsite Worker	4.44E-01	9.45E-04	1.28E+00	5.10E-01	-2.02E+00	-1.55E-03	2.56E+00	4.65E-02	8.80E-01	3.14E-05	-3.61E-01	-2.78E-05	3.91E-01	6.74E-05	4.76E-02	2.27E-06	-4.43E+00	-1.20E-04
149	372177	757670	Offsite Worker	1.12E+00	2.38E-03	1.54E+00	6.15E-01	-8.56E-01	-6.58E-04	4.44E+00	8.07E-02	1.10E+00	3.92E-05	-3.17E-01	-2.44E-05	4.68E-01	8.07E-05	1.19E-01	5.67E-06	-2.85E+00	-7.69E-05
150	372176	757579	Offsite Worker	9.55E-01	2.03E-03	1.56E+00	6.24E-01	-4.32E-01	-3.33E-04	4.21E+00	7.65E-02	1.13E+00	4.03E-05	-3.58E-01	-2.75E-05	4.76E-01	8.21E-05	1.38E-01	6.59E-06	-2.24E+00	-6.05E-05
151	372174	757489	Offsite Worker	7.36E-01	1.57E-03	1.46E+00	5.85E-01	-6.59E-01	-5.07E-04	3.65E+00	6.64E-02	1.05E+00	3.76E-05	-3.68E-01	-2.83E-05	4.47E-01	7.71E-05	1.20E-01	5.71E-06	-2.49E+00	-6.74E-05
152	372173	757398	Offsite Worker	1.58E+00	3.35E-03	1.73E+00	6.92E-01	1.16E-01	8.90E-05	5.88E+00	1.07E-01	1.26E+00	4.51E-05	-2.93E-01	-2.25E-05	5.25E-01	9.05E-05	1.77E-01	8.41E-06	-1.50E+00	-4.06E-05
153	372171	757308	Offsite Worker	2.76E+00	5.87E-03	2.15E+00	8.59E-01	1.49E+00	1.14E-03	9.13E+00	1.66E-01	1.60E+00	5.70E-05	-2.00E-01	-1.54E-05	6.47E-01	1.11E-04	2.71E-01	1.29E-05	2.96E-01	8.00E-06
154	372055	757309	Offsite Worker	2.08E+00	4.43E-03	2.02E+00	8.08E-01	4.47E-01	3.44E-04	7.49E+00	1.36E-01	1.48E+00	5.29E-05	-2.93E-01	-2.25E-05	6.12E-01	1.05E-04	2.18E-01	1.04E-05	-1.26E+00	-3.42E-05
156	372055	757416	Offsite Worker	3.07E-01	6.53E-04	1.37E+00	5.48E-01	-7.46E-01	-5.74E-04	2.72E+00	4.94E-02	9.87E-01	3.52E-05	-4.22E-01	-3.25E-05	4.21E-01	7.26E-05	1.08E-01	5.13E-06	-2.56E+00	-6.93E-05
157	371952	757442	Offsite Worker	1.26E+00	2.69E-03	1.79E+00	7.18E-01	-3.07E-01	-2.36E-04	5.29E+00	9.62E-02	1.30E+00	4.65E-05	-3.78E-01	-2.91E-05	5.46E-01	9.42E-05	1.67E-01	7.93E-06	-2.24E+00	-6.05E-05
158	371950	757345	Offsite Worker	1.87E-01	3.98E-04	1.60E+00	6.41E-01	-1.43E+00	-1.10E-03	2.97E+00	5.41E-02	1.14E+00	4.07E-05	-5.28E-01	-4.06E-05	4.93E-01	8.49E-05	1.04E-01	4.97E-06	-3.82E+00	-1.03E-04
159	371864	757344	Offsite Worker	-5.23E-01	-1.11E-03	1.52E+00	6.07E-01	-1.82E+00	-1.40E-03	1.41E+00	2.57E-02	1.07E+00	3.82E-05	-6.41E-01	-4.93E-05	4.70E-01	8.10E-05	8.12E-02	3.86E-06	-4.38E+00	-1.18E-04
160	371790	757347	Offsite Worker	-3.55E-01	-7.56E-04	1.49E+00	5.98E-01	-1.32E+00	-1.02E-03	1.76E+00	3.20E-02	1.07E+00	3.81E-05	-5.99E-01	-4.61E-05	4.62E-01	7.97E-05	9.81E-02	4.67E-06	-3.61E+00	-9.75E-05
161	371708	757356	Offsite Worker	1.12E+00	2.38E-03	1.86E+00	7.42E-01	-4.41E-01	-3.39E-04	5.30E+00	9.64E-02	1.34E+00	4.80E-05	-4.29E-01	-3.30E-05	5.66E-01	9.75E-05	1.68E-01	7.98E-06	-2.52E+00	-6.81E-05
162	371615	757356	Offsite Worker	2.00E+00	4.25E-03	2.08E+00	8.33E-01	1.17E-01	8.99E-05	7.47E+00	1.36E-01	1.52E+00	5.42E-05	-3.31E-01	-2.55E-05	6.31E-01	1.09E-04	2.11E-01	1.01E-05	-1.84E+00	-4.98E-05
163	371523	757356	Offsite Worker	2.55E+00	5.42E-03	2.33E+00	9.31E-01	5.92E-01	4.55E-04	8.98E+00	1.63E-01	1.71E+00	6.10E-05	-3.07E-01	-2.36E-05	7.04E-01	1.21E-04	2.54E-01	1.21E-05	-1.31E+00	-3.55E-05
164	371430	757356	Offsite Worker	3.25E+00	6.91E-03	2.69E+00	1.08E+00	1.03E+00	7.96E-04	1.09E+01	1.99E-01	1.98E+00	7.06E-05	-2.93E-01	-2.25E-05	8.10E-01	1.40E-04	3.07E-01	1.46E-05	-9.04E-01	-2.44E-05
165	371338	757356	Offsite Worker	3.42E+00	7.28E-03	2.90E+00	1.16E+00	9.34E-01	7.18E-04	1.16E+01	2.10E-01	2.13E+00	7.60E-05	-3.32E-01	-2.55E-05	8.74E-01	1.51E-04	3.25E-01	1.55E-05	-1.25E+00	-3.38E-05
166	371245	757356	Offsite Worker	3.21E+00	6.83E-03	3.04E+00	1.22E+00	2.17E-01	1.67E-04	1.12E+01	2.03E-01	2.21E+00	7.90E-05	-4.23E-01	-3.26E-05	9.17E-01	1.58E-04	3.11E-01	1.48E-05	-2.47E+00	-6.69E-05
167	371153	757356	Offsite Worker	3.10E+00	6.59E-03	3.12E+00	1.25E+00	-8.54E-01	-6.57E-04	1.09E+01	1.97E-01	2.24E+00	8.02E-05	-4.76E-01	-3.66E-05	9.43E-01	1.63E-04	2.77E-01	1.32E-05	-4.23E+00	-1.14E-04
168	371061	757356	Offsite Worker	2.94E+00	6.27E-03	3.18E+00	1.27E+00	-1.80E+00	-1.38E-03	1.05E+01	1.91E-01	2.26E+00	8.08E-05	-5.27E-01	-4.06E-05	9.61E-01	1.66E-04	2.45E-01	1.17E-05	-5.75E+00	-1.55E-04
169	371005	757357	Offsite Worker	2.57E+00	5.46E-03	3.08E+00	1.23E+00	-2.55E+00	-1.96E-03	9.57E+00	1.74E-01	2.17E+00	7.76E-05	-5.70E-01	-4.38E-05	9.34E-01	1.61E-04	2.06E-01	9.83E-06	-6.82E+00	-1.84E-04
170	370998	757293	Offsite Worker	2.79E+00	5.94E-03	3.49E+00	1.39E+00	-1.19E+00	-9.13E-04	1.07E+01	1.95E-01	2.51E+00	8.95E-05	-6.66E-01	-5.13E-05	1.06E+00	1.82E-04	3.00E-01	1.43E-05	-5.15E+00	-1.39E-04
171	370998	757194	Offsite Worker	3.13E+00	6.66E-03	3.33E+00	1.33E+00	1.90E+00	1.46E-03	1.20E+01	2.18E-01	2.47E+00	8.84E-05	-5.41E-01	-4.16E-05	1.01E+00	1.74E-04	4.06E-01	1.93E-05	-2.66E-01	-7.18E-06
172	370998	757096	Offsite Worker	1.82E+00	3.87E-03	2.78E+00	1.11E+00	1.40E+00	1.07E-03	8.73E+00	1.59E-01	2.07E+00	7.40E-05	-6.14E-01	-4.72E-05	8.49E-01	1.46E-04	3.32E-01	1.58E-05	-6.75E-01	-1.83E-05
173	370998	756998	Offsite Worker	1.54E-01	3.27E-04	1.71E+00	6.84E-01	-3.23E+00	-2.49E-03	3.28E+00	5.97E-02	1.19E+00	4.26E-05	-5.78E-01	-4.45E-05	5.51E-01	9.50E-05	3.59E-02	1.71E-06	-8.06E+00	-2.18E-04
174	371057	756997	Offsite Worker	1.33E+00	2.83E-03	2.06E+00	8.23E-01	-1.93E+00	-1.49E-03	6.43E+00	1.17E-01	1.46E+00	5.23E-05	-4.60E-01	-3.54E-05	6.41E-01	1.11E-04	1.24E-01	5.91E-06	-5.77E+00	-1.56E-04
175	371153	756997	Offsite Worker	8.71E-01	1.85E-03	1.94E+00	7.77E-01	-1.99E+00	-1.53E-03	5.35E+00	9.73E-02	1.38E+00	4.92E-05	-5.12E-01	-3.94E-05	6.04E-01	1.04E-04	1.12E-01	5.34E-06	-5.54E+00	-1.50E-04
176	371249	756997	Offsite Worker	9.39E-01	2.00E-03	1.96E+00	7.84E-01	-2.24E+00	-1.73E-03	5.45E+00	9.92E-02	1.38E+00	4.95E-05	-5.05E-01	-3.88E-05	6.11E-01	1.05E-04	1.03E-01	4.92E-06	-6.04E+00	-1.63E-04
177	371345	756997	Offsite Worker	2.10E+00	4.47E-03	2.36E+00	9.42E-01	-1.78E+00	-1.37E-03	8.40E+00	1.53E-01	1.68E+00	6.00E-05	-4.10E-01	-3.15E-05	7.27E-01	1.25E-04	1.60E-01	7.60E-06	-5.72E+00	-1.55E-04
178	371440	756997	Offsite Worker	3.33E+00	7.09E-03	2.86E+00	1.15E+00	-7.11E-02	-5.47E-05	1.19E+01	2.17E-01	2.08E+00	7.43E-05	-3.38E-01	-2.60E-05	8.68E-01	1.50E-04	2.80E-01	1.33E-05	-3.02E+00	-8.18E-05
179	371536	756997	Offsite Worker	4.05E+00	8.62E-03	3.11E+00	1.25E+00	1.07E+00	8.22E-04	1.39E+01	2.52E-01	2.29E+00	8.17E-05	-2.80E-01	-2.16E-05	9.38E-01	1.62E-04	3.50E-01	1.67E-05	-1.33E+00	-3.61E-05
180	371632	756997	Offsite Worker	4.32E+00	9.20E-03	3.13E+00	1.25E+00	2.03E+00	1.56E-03	1.46E+01	2.65E-01	2.32E+00	8.28E-05	-2.30E-01	-1.77E-05	9.40E-01	1.62E-04	3.89E-01	1.85E-05	1.94E-01	5.23E-06
181	371728	756997	Offsite Worker	4.36E+00	9.27E-03	3.04E+00	1.21E+00	2.37E+00	1.83E-03	1.45E+01	2.64E-01	2.26E+00	8.07E-05	-1.91E-01	-1.47E-05	9.11E-01	1.57E-04	3.94E-01	1.88E-05	8.66E-01	2.34E-05
182	371824	756997	Offsite Worker	3.69E+00	7.86E-03	2.66E+00	1.07E+00	1.74E+00	1.34E-03	1.26E+01	2.29E-01	1.98E+00	7.06E-05	-1.93E-01	-1.49E-05	8.01E-01	1.38E-04	3.32E-01	1.58E-05	1.97E-01	5.32E-06
183	371920	756997	Offsite Worker	2.12E+00	4.51E-03	1.84E+00	7.37E-01	1.59E+00	1.22E-03	8.21E+00	1.49E-01	1.38E+00	4.94E-05	-2.22E-01	-1.71E-05	5.58E-01	9.63E-05	2.45E-01	1.17E-05	5.98E-01	1.62E-05
184	372016	756997	Offsite Worker	2.31E+00	4.92E-03	1.90E+00	7.61E-01	2.41E+00	1.86E-03	8.79E+00	1.60E-01	1.45E+00	5.17E-05	-2.04E-01	-1.57E-05	5.75E-01	9.92E-05	2.83E-01	1.35E-05	1.84E+00	4.97E-05
185	372111	756997	Offsite Worker	3.78E+00	8.05E-03	2.57E+00	1.03E+00	4.93E+00	3.79E-03	1.30E+01	2.36E-01	2.00E+00	7.14E-05	-1.43E-01	-1.10E-05	7.73E-01	1.33E-04	4.49E-01	2.14E-05	5.22E+00	1.41E-04
186	372207	756997	Offsite Worker	1.85E+00	3.94E-03	1.59E+00	6.36E-01	2.27E+00	1.74E-03	7.42E+00	1.35E-01	1.22E+00	4.35E-05	-1.86E-01	-1.43E-05	4.82E-01	8.31E-05	2.47E-01	1.17E-05	1.88E+00	5.08E-05
187	372303	756997	Offsite Worker	3.07E+00	6.53E-03	2.18E+00	8.71E-01	3.47E+00	2.67E-03	1.08E+01	1.97E-01	1.67E+00	5.97E-05	-1.48E-01	-1.14E-05	6.55E-01	1.13E-04	3.52E-01	1.68E-05	3.30E+00	8.92E-05
188	372399	756997	Offsite Worker	4.02E+00	8.55E-03	2.64E+00	1.06E+00	5.01E+00	3.86E-03	1.36E+01	2.47E-01	2.04E+00	7.30E-05	-1.18E-01	-9.06E-06	7.91E-01	1.36E-04	4.59E-01	2.18E-05	5.32E+00	1.44E-04
189	372495	756997	Offsite Worker	6.30E+00	1.34E-02	3.74E+00	1.50E+00	9.27E+00	7.13E-03	2.02E+01	3.67E-01	2.96E+00	1.06E-04	-4.60E-02	-3.54E-06	1.12E+00	1.93E-04	7.36E-01	3.50E-05	1.10E+01	2.98E-04
190	372591	756997	Offsite Worker	6.57E+00	1.40E-02	3.85E+00	1.54E+00	9.62E+00	7.40E-03	2.09E+01	3.80E-01	3.04E+00	1.09E-04	-2.81E-02	-2.16E-06	1.15E+00	1.98E-04	7.61E-01	3.62E-05	1.15E+01	3.11E-04
191	372610	757063	Offsite Worker	5.91E+00	1.26E-02	3.50E+00	1.40E+00	8.87E+00	6.82E-03	1.85E+01	3.37E-01	2.77E+00	9.88E-05	-3.92E-02	-3.01E-06	1.04E+00	1.80E-04	6.96E-01	3.31E-05	1.06E+01	2.87E-04
192	372612	757132	Offsite Worker	3.76E+00	8.00E-03	2.41E+00	9.64E-01	4.05E+00	3.12E-03	1.22E+01	2.22E-01	1.85E+00	6.61E-05	-8.97E-02	-6.90E-06	7.22E-01	1.24E-04	3.98E-01	1.90E-05	4.08E+00	1.10E-04
193	372614	757201	Offsite Worker	1.13E+00	2.41E-03	1.09E+00	4.37E-01	-3.53E-02	-2.71E-05	5.04E+00	9.16E-02	7.94E-01	2.84E-05	-1.56E-01	-1.20E-05	3.32E-01	5.72E-05	1.06E-01	5.07E-06	-1.17E+00	-3.17E-05
194	372616	757270	Offsite Worker	1.84E+00	3.92E-03	1.45E+00	5.81E-01	1.19E+00	9.18E-04	6.60E+00	1.20E-01	1.09E+00	3.88E-05	-1.40E-01	-1.08E-05	4.38E-01	7.55E-05	1.91E-01	9.08E-06	4.53E-01	1.23E-05
195	372627	757351	Offsite Worker	2.12E+00	4.52E-03	1.61E+00	6.44E-01	1.85E+00	1.42E-03	7.28E+00	1.32E-01	1.22E+00	4.35E-05	-1.39E-01	-1.07E-05	4.85E-01	8.36E-05	2.33E-01	1.11E-05	1.36E+00	3.67E-05

Table 3-6B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Maximum Range
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acetaldehyde Acute Hazard	acrolein (µg/m^3)	acrolein Acute Hazard	benzene (µg/m^3)	benzene Acute Hazard	formaldehyde (µg/m^3)	formaldehyde Acute Hazard	methyl alcohol (µg/m^3)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m^3)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m^3)	phenol (carbolic acid) Acute Hazard	styrene (µg/m^3)	styrene Acute Hazard	toluene (µg/m^3)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
196	372651	757422	Offsite Worker	2.13E+00	4.53E-03	1.61E+00	6.44E-01	1.79E+00	1.38E-03	7.21E+00	1.31E-01	1.22E+00	4.34E-05	-1.38E-01	-1.06E-05	4.85E-01	8.36E-05	2.30E-01	1.10E-05	1.25E+00	3.39E-05
197	372676	757494	Offsite Worker	2.42E+00	5.16E-03	1.80E+00	7.21E-01	1.81E+00	1.39E-03	8.04E+00	1.46E-01	1.35E+00	4.84E-05	-1.46E-01	-1.12E-05	5.42E-01	9.34E-05	2.50E-01	1.19E-05	1.13E+00	3.05E-05
198	372704	757569	Offsite Worker	2.52E+00	5.36E-03	1.85E+00	7.41E-01	1.21E+00	9.31E-04	8.20E+00	1.49E-01	1.37E+00	4.91E-05	-1.44E-01	-1.11E-05	5.57E-01	9.60E-05	2.31E-01	1.10E-05	1.62E-01	4.37E-06
199	372733	757645	Offsite Worker	2.08E+00	4.42E-03	1.74E+00	6.95E-01	5.38E-01	4.14E-04	7.04E+00	1.28E-01	1.27E+00	4.55E-05	-1.93E-01	-1.49E-05	5.24E-01	9.03E-05	1.94E-01	9.22E-06	-7.75E-01	-2.10E-05
200	372746	757702	Offsite Worker	1.71E+00	3.65E-03	1.62E+00	6.48E-01	1.02E-01	7.84E-05	6.03E+00	1.10E-01	1.18E+00	4.21E-05	-2.26E-01	-1.74E-05	4.90E-01	8.44E-05	1.65E-01	7.86E-06	-1.36E+00	-3.68E-05
201	372746	757768	Offsite Worker	1.29E+00	2.74E-03	1.44E+00	5.75E-01	-2.09E-01	-1.61E-04	4.76E+00	8.66E-02	1.04E+00	3.72E-05	-2.47E-01	-1.90E-05	4.36E-01	7.52E-05	1.35E-01	6.41E-06	-1.71E+00	-4.62E-05
202	372807	757781	Offsite Worker	1.39E+00	2.97E-03	1.46E+00	5.83E-01	-9.22E-02	-7.09E-05	5.06E+00	9.20E-02	1.06E+00	3.78E-05	-2.33E-01	-1.79E-05	4.41E-01	7.61E-05	1.41E-01	6.72E-06	-1.54E+00	-4.15E-05
203	372901	757782	Offsite Worker	1.66E+00	3.53E-03	1.51E+00	6.03E-01	2.21E-01	1.70E-04	6.03E+00	1.10E-01	1.10E+00	3.93E-05	-1.97E-01	-1.51E-05	4.55E-01	7.85E-05	1.58E-01	7.54E-06	-1.08E+00	-2.92E-05
204	372994	757783	Offsite Worker	1.93E+00	4.11E-03	1.57E+00	6.26E-01	5.30E-01	4.08E-04	6.77E+00	1.23E-01	1.15E+00	4.11E-05	-1.63E-01	-1.25E-05	4.72E-01	8.13E-05	1.76E-01	8.38E-06	-6.38E-01	-1.72E-05
205	373087	757783	Offsite Worker	2.16E+00	4.60E-03	1.61E+00	6.42E-01	8.64E-01	6.65E-04	7.37E+00	1.34E-01	1.19E+00	4.24E-05	-1.30E-01	-9.99E-06	4.83E-01	8.32E-05	1.93E-01	9.19E-06	-1.48E-01	-4.00E-06
206	373180	757784	Offsite Worker	2.38E+00	5.07E-03	1.66E+00	6.65E-01	1.08E+00	8.28E-04	7.91E+00	1.44E-01	1.23E+00	4.40E-05	-1.05E-01	-8.08E-06	4.99E-01	8.60E-05	2.07E-01	9.85E-06	1.38E-01	3.72E-06
207	373274	757785	Offsite Worker	2.39E+00	5.09E-03	1.62E+00	6.46E-01	1.12E+00	8.62E-04	7.84E+00	1.43E-01	1.20E+00	4.28E-05	-8.67E-02	-6.67E-06	4.85E-01	8.35E-05	2.04E-01	9.70E-06	2.41E-01	6.50E-06
208	373367	757786	Offsite Worker	2.10E+00	4.48E-03	1.47E+00	5.87E-01	1.08E+00	8.34E-04	6.99E+00	1.27E-01	1.09E+00	3.90E-05	-9.27E-02	-7.13E-06	4.41E-01	7.60E-05	1.88E-01	8.94E-06	3.14E-01	8.48E-06
209	373418	757742	Offsite Worker	2.32E+00	4.95E-03	1.55E+00	6.21E-01	2.11E+00	1.63E-03	7.54E+00	1.37E-01	1.18E+00	4.22E-05	-7.78E-02	-5.99E-06	4.66E-01	8.03E-05	2.37E-01	1.13E-05	1.83E+00	4.94E-05
210	373418	757653	Offsite Worker	2.78E+00	5.92E-03	1.74E+00	6.96E-01	2.66E+00	2.04E-03	8.82E+00	1.60E-01	1.33E+00	4.75E-05	-5.19E-02	-3.99E-06	5.21E-01	8.98E-05	2.77E-01	1.32E-05	2.54E+00	6.87E-05
211	373419	757564	Offsite Worker	2.35E+00	5.00E-03	1.52E+00	6.09E-01	1.28E+00	9.84E-04	7.50E+00	1.36E-01	1.13E+00	4.05E-05	-6.13E-02	-4.72E-06	4.55E-01	7.85E-05	2.01E-01	9.56E-06	6.11E-01	1.65E-05
212	373419	757475	Offsite Worker	1.17E+00	2.50E-03	9.29E-01	3.72E-01	2.44E-01	1.88E-04	4.15E+00	7.54E-02	6.81E-01	2.43E-05	-9.13E-02	-7.02E-06	2.81E-01	4.85E-05	1.01E-01	4.82E-06	-5.53E-01	-1.49E-05
213	373420	757386	Offsite Worker	1.12E+00	2.39E-03	8.99E-01	3.60E-01	2.30E-01	1.77E-04	3.97E+00	7.23E-02	6.59E-01	2.35E-05	-9.11E-02	-7.01E-06	2.72E-01	4.69E-05	9.78E-02	4.65E-06	-5.49E-01	-1.48E-05
214	373420	757297	Offsite Worker	1.31E+00	2.78E-03	9.98E-01	3.99E-01	2.36E-01	1.82E-04	4.44E+00	8.08E-02	7.31E-01	2.61E-05	-8.88E-02	-6.83E-06	3.02E-01	5.20E-05	1.08E-01	5.13E-06	-6.36E-01	-1.72E-05
215	373421	757207	Offsite Worker	1.56E+00	3.32E-03	1.13E+00	4.51E-01	2.79E-01	2.15E-04	5.06E+00	9.20E-02	8.24E-01	2.94E-05	-8.29E-02	-6.37E-06	3.39E-01	5.85E-05	1.22E-01	5.82E-06	-6.59E-01	-1.78E-05
216	373421	757118	Offsite Worker	1.21E+00	2.57E-03	1.03E+00	4.10E-01	-1.01E-01	-7.74E-05	3.95E+00	7.19E-02	7.42E-01	2.65E-05	-1.19E-01	-9.12E-06	3.11E-01	5.36E-05	9.71E-02	4.62E-06	-1.20E+00	-3.25E-05
217	373292	757117	Offsite Worker	1.66E+00	3.54E-03	1.27E+00	5.08E-01	1.80E-01	1.38E-04	5.53E+00	1.01E-01	9.26E-01	3.31E-05	-1.12E-01	-8.65E-06	3.83E-01	6.61E-05	1.33E-01	6.31E-06	-9.60E-01	-2.60E-05
218	373213	757118	Offsite Worker	2.01E+00	4.28E-03	1.45E+00	5.81E-01	4.39E-01	3.38E-04	6.80E+00	1.24E-01	1.06E+00	3.80E-05	-1.06E-01	-8.16E-06	4.37E-01	7.54E-05	1.61E-01	7.66E-06	-7.02E-01	-1.90E-05
219	373158	757066	Offsite Worker	2.05E+00	4.37E-03	1.52E+00	6.06E-01	3.98E-01	3.06E-04	6.75E+00	1.23E-01	1.11E+00	3.96E-05	-1.20E-01	-9.25E-06	4.56E-01	7.87E-05	1.65E-01	7.88E-06	-8.26E-01	-2.23E-05
220	373084	757026	Offsite Worker	2.05E+00	4.36E-03	1.54E+00	6.17E-01	4.32E-01	3.33E-04	6.81E+00	1.24E-01	1.13E+00	4.04E-05	-1.31E-01	-1.01E-05	4.65E-01	8.01E-05	1.70E-01	8.07E-06	-8.06E-01	-2.18E-05
221	373009	757011	Offsite Worker	2.47E+00	5.26E-03	1.78E+00	7.12E-01	7.04E-01	5.41E-04	7.97E+00	1.45E-01	1.31E+00	4.67E-05	-1.29E-01	-9.93E-06	5.35E-01	9.23E-05	2.04E-01	9.70E-06	-5.75E-01	-1.56E-05
222	372922	757009	Offsite Worker	2.81E+00	5.97E-03	1.95E+00	7.82E-01	1.05E+00	8.09E-04	8.98E+00	1.63E-01	1.44E+00	5.15E-05	-1.22E-01	-9.40E-06	5.86E-01	1.01E-04	2.35E-01	1.12E-05	-1.79E-01	-4.85E-06
223	372835	757007	Offsite Worker	2.67E+00	5.67E-03	1.91E+00	7.63E-01	7.97E-01	6.13E-04	8.63E+00	1.57E-01	1.40E+00	5.00E-05	-1.34E-01	-1.03E-05	5.73E-01	9.88E-05	2.20E-01	1.05E-05	-5.48E-01	-1.48E-05
224	372747	757006	Offsite Worker	2.89E+00	6.14E-03	2.03E+00	8.10E-01	1.70E+00	1.31E-03	9.40E+00	1.71E-01	1.51E+00	5.40E-05	-1.31E-01	-1.01E-05	6.09E-01	1.05E-04	2.67E-01	1.27E-05	7.40E-01	2.00E-05
225	372660	757004	Offsite Worker	5.43E+00	1.16E-02	3.29E+00	1.32E+00	5.99E+00	4.61E-03	1.71E+01	3.10E-01	2.54E+00	9.06E-05	-6.17E-02	-4.75E-06	9.82E-01	1.69E-04	5.62E-01	2.67E-05	6.36E+00	1.72E-04
226	372651	757063	Offsite Worker	5.93E+00	1.26E-02	3.50E+00	1.40E+00	8.82E+00	6.78E-03	1.87E+01	3.40E-01	2.77E+00	9.88E-05	-3.60E-02	-2.77E-06	1.05E+00	1.80E-04	6.94E-01	3.31E-05	1.05E+01	2.85E-04
227	372629	756931	Offsite Worker	4.15E+00	8.84E-03	2.66E+00	1.07E+00	3.25E+00	2.50E-03	1.28E+01	2.34E-01	2.01E+00	7.19E-05	-1.00E-01	-7.73E-06	7.98E-01	1.38E-04	3.91E-01	1.86E-05	2.61E+00	7.06E-05
228	372631	756857	Offsite Worker	4.25E+00	9.05E-03	2.71E+00	1.08E+00	3.28E+00	2.52E-03	1.30E+01	2.36E-01	2.05E+00	7.31E-05	-9.63E-02	-7.41E-06	8.11E-01	1.40E-04	3.97E-01	1.89E-05	2.63E+00	7.12E-05
229	372634	756783	Offsite Worker	3.48E+00	7.41E-03	2.31E+00	9.24E-01	2.60E+00	2.00E-03	1.07E+01	1.95E-01	1.74E+00	6.22E-05	-1.11E-01	-8.58E-06	6.93E-01	1.19E-04	3.31E-01	1.57E-05	1.88E+00	5.09E-05
230	372702	756778	Offsite Worker	3.15E+00	6.70E-03	2.15E+00	8.59E-01	2.18E+00	1.68E-03	9.73E+00	1.77E-01	1.61E+00	5.76E-05	-1.22E-01	-9.37E-06	6.45E-01	1.11E-04	2.98E-01	1.42E-05	1.37E+00	3.70E-05
231	372756	756775	Offsite Worker	2.76E+00	5.87E-03	1.89E+00	7.57E-01	1.93E+00	1.48E-03	8.54E+00	1.55E-01	1.42E+00	5.08E-05	-1.11E-01	-8.50E-06	5.69E-01	9.81E-05	2.63E-01	1.25E-05	1.18E+00	3.20E-05
232	372729	756712	Offsite Worker	2.81E+00	5.97E-03	1.96E+00	7.82E-01	2.74E+00	2.11E-03	8.78E+00	1.60E-01	1.49E+00	5.33E-05	-1.23E-01	-9.45E-06	5.89E-01	1.01E-04	3.01E-01	1.43E-05	2.35E+00	6.35E-05
233	372703	756650	Offsite Worker	2.93E+00	6.24E-03	2.05E+00	8.20E-01	2.35E+00	1.81E-03	9.11E+00	1.66E-01	1.55E+00	5.53E-05	-1.31E-01	-1.01E-05	6.16E-01	1.06E-04	2.95E-01	1.41E-05	1.69E+00	4.58E-05
234	372677	756588	Offsite Worker	3.20E+00	6.82E-03	2.19E+00	8.77E-01	2.73E+00	2.10E-03	9.90E+00	1.80E-01	1.66E+00	5.93E-05	-1.26E-01	-9.69E-06	6.58E-01	1.14E-04	3.24E-01	1.55E-05	2.17E+00	5.87E-05
235	372619	756588	Offsite Worker	2.62E+00	5.56E-03	1.90E+00	7.60E-01	2.34E+00	1.80E-03	8.24E+00	1.50E-01	1.44E+00	5.15E-05	-1.42E-01	-1.09E-05	5.73E-01	9.87E-05	2.80E-01	1.33E-05	1.76E+00	4.77E-05
236	372622	756509	Offsite Worker	5.65E+00	1.20E-02	3.75E+00	1.50E+00	2.48E+00	1.91E-03	1.70E+01	3.10E-01	2.78E+00	9.92E-05	-1.82E-01	-1.40E-05	1.12E+00	1.94E-04	4.69E-01	2.23E-05	4.99E-01	1.35E-05
237	372700	756511	Offsite Worker	4.95E+00	1.05E-02	3.32E+00	1.33E+00	2.25E+00	1.73E-03	1.50E+01	2.72E-01	2.46E+00	8.77E-05	-1.69E-01	-1.30E-05	9.93E-01	1.71E-04	4.17E-01	1.99E-05	5.14E-01	1.39E-05
238	372789	756510	Offsite Worker	4.31E+00	9.18E-03	2.93E+00	1.17E+00	1.79E+00	1.38E-03	1.31E+01	2.38E-01	2.17E+00	7.74E-05	-1.62E-01	-1.25E-05	8.78E-01	1.51E-04	3.61E-01	1.72E-05	1.19E-01	3.21E-06
239	372871	756509	Offsite Worker	3.82E+00	8.13E-03	2.64E+00	1.06E+00	1.34E+00	1.03E-03	1.16E+01	2.11E-01	1.94E+00	6.94E-05	-1.58E-01	-1.22E-05	7.91E-01	1.36E-04	3.14E-01	1.49E-05	-3.27E-01	-8.83E-06
240	372871	756437	Offsite Worker	2.97E+00	6.33E-03	2.17E+00	8.69E-01	4.82E-01	3.71E-04	9.14E+00	1.66E-01	1.58E+00	5.66E-05	-1.66E-01	-1.27E-05	6.53E-01	1.13E-04	2.34E-01	1.11E-05	-1.26E+00	-3.41E-05
241	372970	756437	Offsite Worker	2.57E+00	5.47E-03	1.90E+00	7.59E-01	4.62E-01	3.55E-04	7.92E+00	1.44E-01	1.39E+00	4.95E-05	-1.50E-01	-1.15E-05	5.70E-01	9.83E-05	2.06E-01	9.79E-06	-1.06E+00	-2.88E-05
242	373069	756437	Offsite Worker	2.34E+00	4.98E-03	1.72E+00	6.90E-01	3.79E-01	2.92E-04	7.20E+00	1.31E-01	1.26E+00	4.49E-05	-1.36E-01	-1.04E-05	5.19E-01	8.94E-05	1.85E-01	8.82E-06	-1.04E+00	-2.81E-05
243	373168	756437	Offsite Worker	2.42E+00	5.14E-03	1.74E+00	6.96E-01	4.10E-01	3.16E-04	7.38E+00	1.34E-01	1.27E+00	4.54E-05	-1.26E-01	-9.68E-06	5.23E-01	9.02E-05	1.88E-01	8.96E-06	-9.89E-01	-2.67E-05
244	373267	756437	Offsite Worker	2.51E+00	5.34E-03	1.77E+00	7.07E-01	4.73E-01	3.64E-04	7.61E+00	1.38E-01	1.29E+00	4.61E-05	-1.17E-01	-8.99E-06	5.30E-01	9.15E-05	1.93E-01	9.21E-06	-8.96E-01	-2.42E-05
245	373412	756437	Offsite Worker	2.46E+00	5.24E-03	1.71E+00	6.83E-01	6.46E-01	4.97E-04	7.46E+00	1.36E-01	1.25E+00	4.47E-05	-1.05E-01	-8.06E-06	5.12E-01	8.83E-05	1.94E-01	9.25E-06	-5.67E-01	-1.53E-05
246	373409	756339	Offsite Worker	2.12E+00	4.51E-03	1.65E+00	6.60E-01	-1.55E-01	-1.19E-04	6.58E+00	1.20E-01	1.19E+00	4.25E-05	-1.54E-01	-1.18E-05	4.97E-01	8.57E-05	1.57E-01	7.47E-06	-1.81E+00	-4.90E-05
247	373406	756240	Offsite Worker	2.29E+00	4.86E-03	1.79E+00	7.16E-01	-3.45E-01	-2.65E-04	7.10E+00	1.29E-01	1.29E+00	4.60E-05	-1.70E-01	-1.31E-05	5.39E-01	9.29E-05	1.64E-01	7.79E-06	-2.19E+00	-5.93E-05
248	373403	756142	Offsite Worker	2.47E+00	5.26E-03	1.86E+00	7.45E-01	4.94E-01	3.80E-04	7.66E+00	1.39E-01	1.36E+00	4.87E-05	-1.59E-01	-1.22E-05	5.60E-01	9.66E-05	2.04E-01	9.71E-06	-9.56E-01	-2.58E-05
249	373400	756042	Offsite Worker	1.42E+00	3.01E-03	1.65E+00	6.58E-01	4.50E-02	3.46E-05	5.16E+00	9.39E-02	1.20E+00	4.28E-05	-2.94E-01	-2.26E-05	4.98E-01	8.59E-05	1.66E-01	7.89E-06	-1.47E+00	-3.98E-05
250	373397	755944	Offsite Worker	6.52E-01	1.39E-03	1.18E+00	4.72E-01	-5.18E-01	-3.99E-04	2.89E+00	5.26E-02	8.49E-01	3.03E-05	-2.85E-01	-2.19E-05	3.60E-01	6.21E-05	9.73E-02	4.63E-06	-1.97E+00	-5.32E-05
251	373393	755846	Offsite Worker	5.18E-01	1.10E-03	1.03E+00	4.13E-01	-6.03E-01	-4.64E-04	2.41E+00	4.37E-02	7.38E-01	2.64E-05	-2.60E-01	-2.00E-05	3.15E-01	5.43E-05	7.91E-02	3.77E-06	-1.96E+00	-5.31E-05
252	373390	755747	Offsite Worker	1.01E+00	2.15E-03	1.19E+00	4.77E-01	-7.18E-01	-5.52E-04	3.63E+00	6.60E-02	8.47E-01	3.03E-05	-2.17E-01	-1.67E-05	3.61E-01	6.22E-05	9.03E-02	4.30E-06	-2.22E+00	-6.01E-05
253	373309	755744	Offsite Worker	1.19E+00	2.53E-03	1.30E+00	5.21E-01	-7.13E-01	-5.49E-04	4.16E+00	7.56E-02	9.26E-01	3.31E-05	-2.19E-01	-1.68E-05	3.93E-01	6.78E-05	1.01E-01	4.83E-06	-2.30E+00	-6.20E-05
254	373229	755743	Offsite Worker	1.27E+00	2.70E-03	1.36E+00	5.45E-01	-6.48E-01	-4.99E-04	4.41E+00	8.02E-02	9.72E-01	3.47E-05	-2.24E-01	-1.73E-05	4.11E-01	7.09E-05	1.10E-01	5.24E-06	-2.24E+00	-6.07E-05
255	373143	755741	Offsite Worker	1.22E+00	2.59E-03	1.37E+00	5.48E-01	-4.88E-01	-3.76E-04	4.33E+00	7.87E-02	9.82E-01	3.51E-05	-2.38E-01	-1.83E-05	4.14E-01	7.14E-05	1.17E-01	5.58E-06	-2.01E+00	-5.42E-05
256	373143	755823	Offsite Worker	7.75E-01	1.65E-03	1.24E+00	4.97E-01	-1.01E+00	-7.80E-04	3.20E+00	5.81E-02	8.79E-01	3.14E-05	-2.82E-01	-2.17E-05	3.78E-01	6.51E-05	8.42E-02	4.01E-06	-2.73E+00	-7.37E-05
257	373143	755906	Offsite Worker	2.67E-01	5.69E-04	1.20E+00	4.78E-01	-1.10E+00	-8.44E-04	2.08E+00	3.78E-02	8.46E-01	3.02E-05	-3.68E-01	-2.83E-05	3.66E-01	6.31E-05	7.66E-02	3.65E-06	-2.86E+00	-7.72E-05
258	373065	755906	Offsite Worker	2.22E-01	4.71E-04	1.21E+00	4.86E-01	-1.33E+00	-1.02E-03	1.99E+00	3.62E-02	8.54E-01	3.05E-05	-3.84E-01	-2.95E-05	3.72E-01	6.41E-05	6.97E-02	3.32E-06	-3.22E+00	-8.70E-05
259	373065	755827	Offsite Worker	4.04E-01	8.60E-04	1.21E+00	4.83E-01	-1.13E+00	-8.66E-04	2.38E+00	4.33E-02	8.52E-01	3.04E-05	-3.44E-01	-2.65E-05	3.68E-01	6.35E-05	7.67E-02	3.65E-06	-2.87E+00	-7.75E-05
260	373068	755733	Offsite Worker	1.55E+00	3.30E-03	1.48E+00	5.92E-01	-3.59E-01	-2.77E-04	5.18E+00	9.42E-02	1.06E+00	3.80E-05	-2.09E-01	-1.61E-05	4.46E-01	7.70E-05	1.33E-01	6.34E-06	-1.90E+00	-5.13E-05

Table 3-6B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Maximum Range
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acetaldehyde Acute Hazard	acrolein (µg/m^3)	acrolein Acute Hazard	benzene (µg/m^3)	benzene Acute Hazard	formaldehyde (µg/m^3)	formaldehyde Acute Hazard	methyl alcohol (µg/m^3)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m^3)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m^3)	phenol (carbolic acid) Acute Hazard	styrene (µg/m^3)	styrene Acute Hazard	toluene (µg/m^3)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
261	373007	755733	Offsite Worker	1.59E+00	3.37E-03	1.48E+00	5.94E-01	-3.81E-01	-2.93E-04	5.25E+00	9.55E-02	1.07E+00	3.81E-05	-2.03E-01	-1.56E-05	4.47E-01	7.71E-05	1.33E-01	6.31E-06	-1.94E+00	-5.24E-05
262	372941	755733	Offsite Worker	1.68E+00	3.57E-03	1.50E+00	5.99E-01	-4.74E-01	-3.65E-04	5.45E+00	9.90E-02	1.07E+00	3.83E-05	-1.90E-01	-1.46E-05	4.51E-01	7.78E-05	1.30E-01	6.19E-06	-2.10E+00	-5.66E-05
263	372941	755636	Offsite Worker	1.06E+00	2.26E-03	9.79E-01	3.92E-01	-3.90E-01	-3.00E-04	3.47E+00	6.31E-02	7.01E-01	2.50E-05	-1.31E-01	-1.01E-05	2.97E-01	5.12E-05	8.14E-02	3.88E-06	-1.58E+00	-4.28E-05
264	372941	755539	Offsite Worker	7.15E-01	1.52E-03	7.75E-01	3.10E-01	-7.77E-01	-5.98E-04	2.44E+00	4.43E-02	5.44E-01	1.94E-05	-1.30E-01	-9.97E-06	2.36E-01	4.07E-05	4.60E-02	2.19E-06	-2.00E+00	-5.41E-05
265	372941	755442	Offsite Worker	-2.48E-01	-5.27E-04	2.84E-01	1.14E-01	-8.56E-01	-6.58E-04	-2.24E-01	-4.07E-03	1.90E-01	6.78E-06	-1.51E-01	-1.16E-05	9.09E-02	1.57E-05	-5.65E-03	-2.69E-07	-1.74E+00	-4.70E-05
266	372913	755342	Offsite Worker	-2.84E-01	-6.04E-04	2.61E-01	1.05E-01	-1.19E+00	-9.15E-04	-3.61E-01	-6.55E-03	1.64E-01	5.85E-06	-1.50E-01	-1.16E-05	8.38E-02	1.44E-05	-2.10E-02	-1.00E-06	-2.22E+00	-6.00E-05
267	372817	755346	Offsite Worker	-5.09E-01	-1.08E-03	1.51E-01	6.04E-02	-1.62E+00	-1.24E-03	-1.02E+00	-1.86E-02	7.31E-02	2.61E-06	-1.57E-01	-1.21E-05	5.15E-02	8.87E-06	-4.90E-02	-2.33E-06	-2.81E+00	-7.59E-05
268	372720	755349	Offsite Worker	-1.48E-01	-3.14E-04	3.34E-01	1.34E-01	-2.10E+00	-1.62E-03	-7.53E-02	-1.37E-03	1.91E-01	6.81E-06	-1.49E-01	-1.14E-05	1.05E-01	1.82E-05	-4.99E-02	-2.38E-06	-3.69E+00	-9.97E-05
269	372624	755352	Offsite Worker	5.18E-01	1.10E-03	6.88E-01	2.75E-01	-2.78E+00	-2.13E-03	1.72E+00	3.12E-02	4.25E-01	1.52E-05	-1.39E-01	-1.07E-05	2.09E-01	3.61E-05	-4.14E-02	-1.97E-06	-4.97E+00	-1.34E-04
270	372527	755349	Offsite Worker	6.15E-01	1.31E-03	7.30E-01	2.92E-01	-2.87E+00	-2.21E-03	1.96E+00	3.57E-02	4.52E-01	1.61E-05	-1.34E-01	-1.03E-05	2.21E-01	3.82E-05	-4.12E-02	-1.96E-06	-5.16E+00	-1.40E-04
271	372431	755353	Offsite Worker	1.64E-01	3.49E-04	4.71E-01	1.88E-01	-2.46E+00	-1.89E-03	7.23E-01	1.31E-02	2.78E-01	9.92E-06	-1.34E-01	-1.03E-05	1.45E-01	2.50E-05	-5.06E-02	-2.41E-06	-4.33E+00	-1.17E-04
272	372334	755356	Offsite Worker	-1.90E-01	-4.05E-04	2.92E-01	1.17E-01	-2.08E+00	-1.60E-03	-2.11E-01	-3.84E-03	1.60E-01	5.72E-06	-1.42E-01	-1.09E-05	9.23E-02	1.59E-05	-5.32E-02	-2.54E-06	-3.61E+00	-9.75E-05
273	372237	755359	Offsite Worker	2.50E-01	5.31E-04	5.07E-01	2.03E-01	-2.20E+00	-1.69E-03	9.81E-01	1.78E-02	3.10E-01	1.11E-05	-1.29E-01	-9.94E-06	1.55E-01	2.68E-05	-3.67E-02	-1.75E-06	-3.95E+00	-1.07E-04
274	372141	755362	Offsite Worker	2.02E-01	4.30E-04	4.84E-01	1.93E-01	-1.52E+00	-1.17E-03	9.34E-01	1.70E-02	3.12E-01	1.11E-05	-1.30E-01	-1.00E-05	1.48E-01	2.55E-05	-1.19E-02	-5.65E-07	-2.85E+00	-7.69E-05
275	372044	755366	Offsite Worker	6.65E-01	1.42E-03	7.39E-01	2.96E-01	-1.15E+00	-8.86E-04	2.27E+00	4.14E-02	5.06E-01	1.81E-05	-1.27E-01	-9.76E-06	2.24E-01	3.86E-05	2.79E-02	1.33E-06	-2.49E+00	-6.73E-05
276	371948	755369	Offsite Worker	5.75E-01	1.22E-03	7.24E-01	2.90E-01	-6.86E-01	-5.27E-04	2.11E+00	3.83E-02	5.10E-01	1.82E-05	-1.40E-01	-1.08E-05	2.21E-01	3.81E-05	4.47E-02	2.13E-06	-1.81E+00	-4.89E-05
277	371851	755372	Offsite Worker	-6.94E-01	-1.48E-03	2.01E-01	8.03E-02	-1.97E+00	-1.51E-03	-1.37E+00	-2.49E-02	1.03E-01	3.67E-06	-2.12E-01	-1.63E-05	6.86E-02	1.18E-05	-5.78E-02	-2.75E-06	-3.45E+00	-9.33E-05
278	371755	755375	Offsite Worker	-1.64E+00	-3.49E-03	-1.67E-01	-6.70E-02	-3.65E+00	-2.81E-03	-3.97E+00	-7.23E-02	-2.07E-01	-7.38E-06	-2.74E-01	-2.10E-05	-3.99E-02	-6.87E-06	-1.60E-01	-7.63E-06	-5.74E+00	-1.55E-04
279	371658	755378	Offsite Worker	-2.01E+00	-4.28E-03	-3.26E-01	-1.30E-01	-4.91E+00	-3.78E-03	-5.08E+00	-9.24E-02	-3.55E-01	-1.27E-05	-2.93E-01	-2.25E-05	-8.65E-02	-1.49E-05	-2.26E-01	-1.07E-05	-7.56E+00	-2.04E-04
280	371562	755382	Offsite Worker	-1.97E+00	-4.19E-03	-3.27E-01	-1.31E-01	-3.73E+00	-2.87E-03	-4.88E+00	-8.87E-02	-3.22E-01	-1.15E-05	-2.84E-01	-2.18E-05	-8.62E-02	-1.49E-05	-1.79E-01	-8.54E-06	-5.77E+00	-1.56E-04
281	371465	755385	Offsite Worker	-5.62E-01	-1.20E-03	3.47E-01	1.39E-01	-2.62E+00	-2.02E-03	-9.56E-01	-1.74E-02	1.91E-01	6.82E-06	-2.37E-01	-1.83E-05	1.13E-01	1.95E-05	-6.91E-02	-3.29E-06	-4.60E+00	-1.24E-04
282	371368	755388	Offsite Worker	1.12E+00	2.38E-03	1.16E+00	4.63E-01	-1.67E+00	-1.28E-03	3.71E+00	6.75E-02	7.97E-01	2.85E-05	-1.83E-01	-1.41E-05	3.52E-01	6.07E-05	4.85E-02	2.31E-06	-3.76E+00	-1.02E-04
283	371272	755391	Offsite Worker	2.99E+00	6.35E-03	2.16E+00	8.63E-01	1.24E+00	9.54E-04	9.23E+00	1.68E-01	1.59E+00	5.69E-05	-1.58E-01	-1.21E-05	6.47E-01	1.12E-04	2.63E-01	1.25E-05	-1.40E-02	-3.77E-07
284	371175	755395	Offsite Worker	2.76E+00	5.86E-03	2.09E+00	8.38E-01	1.21E+00	9.28E-04	8.68E+00	1.58E-01	1.55E+00	5.53E-05	-1.82E-01	-1.40E-05	6.28E-01	1.08E-04	2.55E-01	1.22E-05	1.34E-03	3.62E-08
285	371079	755398	Offsite Worker	1.28E+00	2.72E-03	1.29E+00	5.16E-01	-9.50E-01	-7.31E-04	4.33E+00	7.87E-02	9.10E-01	3.25E-05	-1.97E-01	-1.51E-05	3.89E-01	6.71E-05	9.07E-02	4.32E-06	-2.66E+00	-7.19E-05
286	371042	755478	Offsite Worker	6.65E-02	1.42E-04	6.25E-01	2.50E-01	-1.23E+00	-9.45E-04	8.95E-01	1.63E-02	4.26E-01	1.52E-05	-2.07E-01	-1.60E-05	1.93E-01	3.32E-05	1.38E-02	6.56E-07	-2.58E+00	-6.97E-05
287	371009	755538	Offsite Worker	2.92E-01	6.22E-04	7.31E-01	2.92E-01	-3.84E-01	-2.95E-04	1.59E+00	2.90E-02	5.26E-01	1.88E-05	-1.99E-01	-1.53E-05	2.24E-01	3.87E-05	5.76E-02	2.74E-06	-1.37E+00	-3.70E-05
288	370975	755597	Offsite Worker	-1.16E+00	-2.47E-03	-1.13E-01	-4.50E-02	-4.72E-01	-3.63E-04	-2.56E+00	-4.65E-02	-8.21E-02	-2.93E-06	-1.96E-01	-1.50E-05	-2.54E-02	-4.37E-06	-2.95E-02	-1.40E-06	-8.44E-01	-2.28E-05
289	370925	755597	Offsite Worker	-1.47E+00	-3.12E-03	-2.35E-01	-9.42E-02	-1.27E+00	-9.80E-04	-3.43E+00	-6.24E-02	-1.92E-01	-6.87E-06	-2.14E-01	-1.65E-05	-6.18E-02	-1.06E-05	-7.32E-02	-3.48E-06	-1.97E+00	-5.32E-05
290	370860	755547	Offsite Worker	-1.06E+00	-2.25E-03	2.14E-01	8.57E-02	-3.16E+00	-2.43E-03	-2.16E+00	-3.93E-02	8.08E-02	2.89E-06	-2.90E-01	-2.23E-05	7.29E-02	1.26E-05	-1.03E-01	-4.89E-06	-5.24E+00	-1.42E-04
291	370796	755497	Offsite Worker	1.71E+00	3.65E-03	1.62E+00	6.47E-01	-1.80E+00	-1.39E-03	5.59E+00	1.02E-01	1.12E+00	4.02E-05	-2.25E-01	-1.73E-05	4.88E-01	8.41E-05	8.96E-02	4.27E-06	-4.27E+00	-1.15E-04
292	370733	755428	Offsite Worker	9.02E-01	1.92E-03	1.14E+00	4.58E-01	-4.59E-01	-3.53E-04	3.40E+00	6.18E-02	8.22E-01	2.94E-05	-2.22E-01	-1.71E-05	3.48E-01	6.00E-05	9.55E-02	4.55E-06	-1.86E+00	-5.02E-05
293	370634	755428	Offsite Worker	-1.34E+00	-2.85E-03	1.73E-02	6.92E-03	-3.37E+00	-2.60E-03	-3.05E+00	-5.54E-02	-6.62E-02	-2.37E-06	-2.78E-01	-2.14E-05	1.50E-02	2.59E-06	-1.31E-01	-6.24E-06	-5.46E+00	-1.48E-04
294	370536	755428	Offsite Worker	1.90E+00	4.05E-03	1.57E+00	6.28E-01	1.07E+00	8.25E-04	6.20E+00	1.13E-01	1.17E+00	4.17E-05	-1.69E-01	-1.30E-05	4.73E-01	8.15E-05	1.98E-01	9.43E-06	1.94E-01	5.24E-06
295	370437	755428	Offsite Worker	1.75E+00	3.73E-03	1.56E+00	6.25E-01	-1.77E+00	-1.36E-03	5.60E+00	1.02E-01	1.08E+00	3.87E-05	-1.98E-01	-1.52E-05	4.71E-01	8.12E-05	8.52E-02	4.06E-06	-4.16E+00	-1.13E-04
296	370338	755427	Offsite Worker	2.82E+00	5.99E-03	2.22E+00	8.87E-01	-1.13E+00	-8.72E-04	8.76E+00	1.59E-01	1.57E+00	5.61E-05	-2.13E-01	-1.64E-05	6.65E-01	1.15E-04	1.75E-01	8.35E-06	-3.70E+00	-1.00E-04
307	369249	755442	Offsite Worker	3.50E+00	7.45E-03	2.67E+00	1.07E+00	9.02E-01	6.94E-04	1.10E+01	2.01E-01	1.96E+00	6.99E-05	-2.34E-01	-1.80E-05	8.01E-01	1.38E-04	3.01E-01	1.43E-05	-9.67E-01	-2.61E-05
308	369151	755442	Offsite Worker	3.00E+00	6.38E-03	2.46E+00	9.82E-01	9.53E-01	7.33E-04	9.70E+00	1.76E-01	1.81E+00	6.45E-05	-2.60E-01	-2.00E-05	7.39E-01	1.27E-04	2.81E-01	1.34E-05	-7.61E-01	-2.06E-05
309	369052	755442	Offsite Worker	2.31E+00	4.92E-03	2.09E+00	8.37E-01	2.88E-01	2.22E-04	7.71E+00	1.40E-01	1.53E+00	5.45E-05	-2.71E-01	-2.09E-05	6.31E-01	1.09E-04	2.19E-01	1.04E-05	-1.51E+00	-4.09E-05
320	368035	755402	Offsite Worker	3.24E+00	6.89E-03	2.33E+00	9.33E-01	1.10E+00	8.45E-04	1.02E+01	1.85E-01	1.72E+00	6.13E-05	-1.68E-01	-1.29E-05	6.99E-01	1.20E-04	2.75E-01	1.31E-05	-3.65E-01	-9.87E-06
321	367960	755389	Offsite Worker	3.05E+00	6.48E-03	2.22E+00	8.87E-01	1.06E+00	8.16E-04	9.64E+00	1.75E-01	1.63E+00	5.83E-05	-1.67E-01	-1.28E-05	6.65E-01	1.15E-04	2.62E-01	1.25E-05	-3.40E-01	-9.20E-06
322	367863	755390	Offsite Worker	2.69E+00	5.72E-03	2.06E+00	8.22E-01	1.10E+00	8.46E-04	8.71E+00	1.58E-01	1.52E+00	5.42E-05	-1.82E-01	-1.40E-05	6.17E-01	1.06E-04	2.47E-01	1.18E-05	-1.61E-01	-4.34E-06
323	367766	755392	Offsite Worker	2.35E+00	5.01E-03	1.86E+00	7.42E-01	1.18E+00	9.10E-04	7.80E+00	1.42E-01	1.38E+00	4.92E-05	-1.79E-01	-1.38E-05	5.58E-01	9.62E-05	2.31E-01	1.10E-05	1.26E-01	3.41E-06
324	367669	755393	Offsite Worker	1.77E+00	3.77E-03	1.56E+00	6.25E-01	6.05E-01	4.66E-04	6.18E+00	1.12E-01	1.15E+00	4.11E-05	-1.94E-01	-1.49E-05	4.72E-01	8.13E-05	1.79E-01	8.51E-06	-5.42E-01	-1.47E-05
325	367572	755394	Offsite Worker	1.31E+00	2.78E-03	1.30E+00	5.20E-01	2.93E-02	2.25E-05	4.85E+00	8.83E-02	9.46E-01	3.38E-05	-1.95E-01	-1.50E-05	3.93E-01	6.78E-05	1.30E-01	6.19E-06	-1.22E+00	-3.28E-05
326	367475	755395	Offsite Worker	1.15E+00	2.45E-03	1.17E+00	4.68E-01	-3.50E-01	-2.69E-04	4.37E+00	7.94E-02	8.41E-01	3.00E-05	-1.80E-01	-1.39E-05	3.54E-01	6.11E-05	1.02E-01	4.86E-06	-1.68E+00	-4.54E-05
327	370400	756850	On-Site Occupational	-2.12E+00	-4.52E-03	1.68E+00	6.72E-01	-5.87E+00	-4.52E-03	-2.33E+00	-4.24E-02	1.10E+00	3.92E-05	-1.02E+00	-7.88E-05	5.33E-01	9.18E-05	-6.20E-02	-2.95E-06	-1.11E+01	-3.00E-04
1	367379	755396	Recreational	1.27E+00	2.69E-03	1.25E+00	5.01E-01	-3.59E-01	-2.76E-04	4.75E+00	8.63E-02	9.01E-01	3.22E-05	-1.87E-01	-1.44E-05	3.79E-01	6.54E-05	1.10E-01	5.24E-06	-1.76E+00	-4.76E-05
2	367340	755485	Recreational	1.25E+00	2.66E-03	1.29E+00	5.16E-01	9.15E-02	7.04E-05	4.92E+00	8.95E-02	9.41E-01	3.36E-05	-2.03E-01	-1.56E-05	3.91E-01	6.74E-05	1.32E-01	6.27E-06	-1.11E+00	-2.99E-05
3	367301	755573	Recreational	1.21E+00	2.58E-03	1.22E+00	4.87E-01	-5.07E-01	-3.90E-04	4.84E+00	8.80E-02	8.70E-01	3.11E-05	-1.84E-01	-1.42E-05	3.68E-01	6.35E-05	1.01E-01	4.79E-06	-1.95E+00	-5.28E-05
4	367263	755661	Recreational	1.92E+00	4.08E-03	1.57E+00	6.27E-01	-5.51E-01	-4.24E-04	6.94E+00	1.26E-01	1.12E+00	4.00E-05	-1.66E-01	-1.28E-05	4.72E-01	8.14E-05	1.34E-01	6.37E-06	-2.29E+00	-6.20E-05
5	367224	755749	Recreational	2.25E+00	4.78E-03	1.79E+00	7.16E-01	1.07E-01	8.21E-05	8.16E+00	1.48E-01	1.30E+00	4.64E-05	-1.78E-01	-1.37E-05	5.38E-01	9.28E-05	1.82E-01	8.65E-06	-1.48E+00	-4.00E-05
6	367186	755838	Recreational	2.68E+00	5.69E-03	2.01E+00	8.04E-01	1.19E+00	9.14E-04	9.57E+00	1.74E-01	1.49E+00	5.31E-05	-1.68E-01	-1.29E-05	6.04E-01	1.04E-04	2.46E-01	1.17E-05	-6.32E-04	-1.71E-08
7	367147	755926	Recreational	3.14E+00	6.69E-03	2.23E+00	8.93E-01	1.63E+00	1.26E-03	1.09E+01	1.99E-01	1.66E+00	5.92E-05	-1.52E-01	-1.17E-05	6.69E-01	1.15E-04	2.86E-01	1.36E-05	5.48E-01	1.48E-05
8	367109	756014	Recreational	2.93E+00	6.23E-03	2.09E+00	8.36E-01	1.41E+00	1.08E-03	1.02E+01	1.86E-01	1.55E+00	5.53E-05	-1.45E-01	-1.12E-05	6.26E-01	1.08E-04	2.63E-01	1.25E-05	3.25E-01	8.80E-06
9	367070	756103	Recreational	3.84E+00	8.18E-03	2.49E+00	9.97E-01	2.24E+00	1.72E-03	1.26E+01	2.29E-01	1.86E+00	6.64E-05	-1.02E-01	-7.85E-06	7.44E-01	1.28E-04	3.35E-01	1.60E-05	1.30E+00	3.50E-05
10	367032	756191	Recreational	3.65E+00	7.77E-03	2.40E+00	9.60E-01	2.52E+00	1.94E-03	1.19E+01	2.17E-01	1.80E+00	6.43E-05	-1.07E-01	-8.27E-06	7.17E-01	1.24E-04	3.37E-01	1.60E-05	1.78E+00	4.80E-05
11	366993	756279	Recreational	3.07E+00	6.54E-03	2.12E+00	8.47E-01	2.21E+00	1.70E-03	1.01E+01	1.84E-01	1.59E+00	5.68E-05	-1.25E-01	-9.62E-06	6.35E-01	1.09E-04	2.96E-01	1.41E-05	1.49E+00	4.02E-05
12	366954	756367	Recreational	2.97E+00	6.32E-03	2.07E+00	8.28E-01	2.03E+00	1.56E-03	9.69E+00	1.76E-01	1.55E+00	5.55E-05	-1.30E-01	-1.00E-05	6.21E-01	1.07E-04	2.85E-01	1.36E-05	1.25E+00	3.37E-05
13	366916	756456	Recreational	2.37E+00	5.04E-03	1.71E+00	6.83E-01	1.67E+00	1.28E-03	7.82E+00	1.42E-01	1.28E+00	4.57E-05	-1.24E-01	-9.50E-06	5.13E-01	8.84E-05	2.35E-01	1.12E-05	9.89E-01	2.67E-05
14	366877	756544	Recreational	2.68E+00	5.71E-03	1.91E+00	7.63E-01	1.05E+00	8.05E-04	8.61E+00	1.56E-01	1.41E+00	5.03E-05	-1.30E-01	-1.00E-05	5.72E-01	9.87E-05	2.30E-01	1.09E-05	-1.29E-01	-3.48E-06
15	366839	756632	Recreational	2.27E+00	4.82E-03	1.70E+00	6.80E-01	4.44E-01	3.42E-04	7.36E+00	1.34E-01	1.24E+00	4.44E-05	-1.42E-01	-1.09E-05	5.11E-01	8.81E-05	1.86E-01	8.85E-06	-8.78E-01	-2.37E-05
16	366800	756720	Recreational	1.98E+00	4.22E-03	1.54E+00	6.16E-01	3.84E-01	2.96E-04	6.51E+00	1.18E-01	1.13E+00	4.03E-05	-1.43E-01	-1.10E-05	4.64E-01	8.00E-05	1.68E-01	7.98E-06	-8.68E-01	-2.35E-05
17	366762	756809	Recreational	2.19E+00	4.66E-03	1.59E+00	6.37E-01	9.33E-01	7.17E-04	7.03E+00	1.28E-01	1.18E+00	4.21E-05	-1.20E-01	-9.25E-06	4.79E-01	8.26E-05	1.94E-01	9.25E-06	-5.65E-02	-1.53E-06
18	366723	756897	Recreational	2.09E+00	4.44E-03	1.55E+00	6.19E-01	1.23E+00	9.48E-04	6.77E+00	1.23E-01	1.15E+00	4.12E-05	-1.25E-01	-9.59E-06	4.65E-01	8.02E-05	2.02E-01	9.62E-06	4.74E-01	1.28E-05

Table 3-6B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Maximum Range
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acetaldehyde Acute Hazard	acrolein (µg/m^3)	acrolein Acute Hazard	benzene (µg/m^3)	benzene Acute Hazard	formaldehyde (µg/m^3)	formaldehyde Acute Hazard	methyl alcohol (µg/m^3)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m^3)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m^3)	phenol (carbolic acid) Acute Hazard	styrene (µg/m^3)	styrene Acute Hazard	toluene (µg/m^3)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
19	366685	756985	Recreational	1.77E+00	3.78E-03	1.39E+00	5.56E-01	7.90E-01	6.08E-04	5.83E+00	1.06E-01	1.03E+00	3.68E-05	-1.32E-01	-1.02E-05	4.19E-01	7.23E-05	1.69E-01	8.03E-06	-1.09E-01	-2.95E-06
20	366646	757074	Recreational	1.44E+00	3.06E-03	1.21E+00	4.85E-01	2.76E-01	2.12E-04	4.80E+00	8.72E-02	8.89E-01	3.17E-05	-1.38E-01	-1.06E-05	3.67E-01	6.33E-05	1.31E-01	6.22E-06	-7.86E-01	-2.12E-05
21	366607	757162	Recreational	1.41E+00	2.99E-03	1.15E+00	4.61E-01	1.27E-01	9.74E-05	4.62E+00	8.40E-02	8.40E-01	3.00E-05	-1.23E-01	-9.44E-06	3.48E-01	6.01E-05	1.19E-01	5.66E-06	-9.34E-01	-2.52E-05
22	366569	757250	Recreational	1.56E+00	3.31E-03	1.16E+00	4.65E-01	2.74E-02	2.10E-05	4.91E+00	8.93E-02	8.41E-01	3.01E-05	-9.53E-02	-7.33E-06	3.49E-01	6.02E-05	1.16E-01	5.52E-06	-1.05E+00	-2.83E-05
23	366530	757338	Recreational	1.36E+00	2.88E-03	1.08E+00	4.32E-01	-1.49E-01	-1.14E-04	4.34E+00	7.89E-02	7.78E-01	2.78E-05	-1.07E-01	-8.24E-06	3.25E-01	5.61E-05	1.01E-01	4.80E-06	-1.26E+00	-3.41E-05
24	366492	757427	Recreational	1.27E+00	2.70E-03	1.05E+00	4.20E-01	7.20E-02	5.54E-05	4.12E+00	7.49E-02	7.63E-01	2.73E-05	-1.14E-01	-8.78E-06	3.17E-01	5.46E-05	1.06E-01	5.07E-06	-9.15E-01	-2.47E-05
25	366453	757515	Recreational	1.26E+00	2.69E-03	1.04E+00	4.17E-01	3.12E-01	2.40E-04	4.11E+00	7.48E-02	7.64E-01	2.73E-05	-1.12E-01	-8.63E-06	3.15E-01	5.42E-05	1.15E-01	5.49E-06	-5.33E-01	-1.44E-05
26	366415	757603	Recreational	1.24E+00	2.63E-03	1.03E+00	4.11E-01	3.61E-01	2.78E-04	4.03E+00	7.33E-02	7.56E-01	2.70E-05	-1.12E-01	-8.65E-06	3.10E-01	5.35E-05	1.16E-01	5.51E-06	-4.49E-01	-1.21E-05
27	366376	757692	Recreational	1.29E+00	2.74E-03	1.07E+00	4.28E-01	3.82E-01	2.94E-04	4.18E+00	7.60E-02	7.87E-01	2.81E-05	-1.18E-01	-9.04E-06	3.23E-01	5.57E-05	1.21E-01	5.75E-06	-4.45E-01	-1.20E-05
84	369336	758100	Recreational	3.95E+00	8.39E-03	2.70E+00	1.08E+00	1.95E+00	1.50E-03	1.22E+01	2.21E-01	2.00E+00	7.14E-05	-1.53E-01	-1.18E-05	8.06E-01	1.39E-04	3.44E-01	1.64E-05	6.58E-01	1.78E-05
85	369269	758170	Recreational	5.01E+00	1.07E-02	3.26E+00	1.30E+00	2.66E+00	2.05E-03	1.52E+01	2.76E-01	2.43E+00	8.66E-05	-1.38E-01	-1.06E-05	9.74E-01	1.68E-04	4.28E-01	2.04E-05	1.31E+00	3.54E-05
86	369202	758239	Recreational	4.96E+00	1.05E-02	3.24E+00	1.29E+00	2.56E+00	1.97E-03	1.50E+01	2.73E-01	2.40E+00	8.59E-05	-1.39E-01	-1.07E-05	9.66E-01	1.67E-04	4.22E-01	2.01E-05	1.17E+00	3.16E-05
87	369264	758285	Recreational	4.09E+00	8.69E-03	2.75E+00	1.10E+00	2.20E+00	1.69E-03	1.25E+01	2.27E-01	2.04E+00	7.30E-05	-1.43E-01	-1.10E-05	8.21E-01	1.42E-04	3.59E-01	1.71E-05	1.02E+00	2.77E-05
88	369326	758330	Recreational	3.61E+00	7.68E-03	2.43E+00	9.73E-01	1.69E+00	1.30E-03	1.10E+01	2.00E-01	1.80E+00	6.44E-05	-1.29E-01	-9.89E-06	7.27E-01	1.25E-04	3.08E-01	1.47E-05	5.16E-01	1.39E-05
89	369389	758376	Recreational	2.98E+00	6.34E-03	2.05E+00	8.22E-01	1.14E+00	8.75E-04	9.15E+00	1.66E-01	1.51E+00	5.41E-05	-1.22E-01	-9.39E-06	6.14E-01	1.06E-04	2.49E-01	1.18E-05	-2.72E-02	-7.35E-07
90	369389	758462	Recreational	2.46E+00	5.24E-03	1.78E+00	7.11E-01	8.43E-01	6.48E-04	7.66E+00	1.39E-01	1.31E+00	4.67E-05	-1.29E-01	-9.90E-06	5.32E-01	9.18E-05	2.09E-01	9.97E-06	-2.70E-01	-7.30E-06
91	369389	758548	Recreational	2.00E+00	4.26E-03	1.53E+00	6.13E-01	5.80E-01	4.46E-04	6.34E+00	1.15E-01	1.12E+00	4.01E-05	-1.36E-01	-1.04E-05	4.60E-01	7.93E-05	1.75E-01	8.32E-06	-4.88E-01	-1.32E-05
28	366338	757780	Residential	1.40E+00	2.97E-03	1.12E+00	4.49E-01	5.59E-01	4.30E-04	4.49E+00	8.16E-02	8.30E-01	2.97E-05	-1.14E-01	-8.78E-06	3.39E-01	5.85E-05	1.33E-01	6.34E-06	-2.29E-01	-6.20E-06
29	366402	757746	Residential	1.37E+00	2.91E-03	1.12E+00	4.46E-01	5.24E-01	4.03E-04	4.42E+00	8.04E-02	8.24E-01	2.94E-05	-1.17E-01	-9.02E-06	3.37E-01	5.81E-05	1.31E-01	6.24E-06	-2.79E-01	-7.53E-06
30	366467	757713	Residential	1.34E+00	2.85E-03	1.11E+00	4.43E-01	4.89E-01	3.76E-04	4.35E+00	7.91E-02	8.18E-01	2.92E-05	-1.20E-01	-9.25E-06	3.35E-01	5.77E-05	1.29E-01	6.13E-06	-3.26E-01	-8.80E-06
31	366531	757679	Residential	1.31E+00	2.78E-03	1.10E+00	4.39E-01	4.47E-01	3.44E-04	4.27E+00	7.76E-02	8.08E-01	2.89E-05	-1.23E-01	-9.46E-06	3.31E-01	5.71E-05	1.26E-01	6.00E-06	-3.79E-01	-1.02E-05
32	366567	757773	Residential	1.49E+00	3.18E-03	1.20E+00	4.80E-01	7.28E-01	5.60E-04	4.81E+00	8.75E-02	8.91E-01	3.18E-05	-1.21E-01	-9.34E-06	3.62E-01	6.25E-05	1.47E-01	7.01E-06	-4.44E-02	-1.20E-06
33	366625	757758	Residential	1.50E+00	3.20E-03	1.21E+00	4.85E-01	7.40E-01	5.69E-04	4.85E+00	8.82E-02	9.00E-01	3.21E-05	-1.24E-01	-9.53E-06	3.66E-01	6.31E-05	1.49E-01	7.09E-06	-3.99E-02	-1.08E-06
34	366682	757744	Residential	1.52E+00	3.23E-03	1.23E+00	4.90E-01	7.52E-01	5.78E-04	4.90E+00	8.91E-02	9.11E-01	3.25E-05	-1.26E-01	-9.73E-06	3.70E-01	6.39E-05	1.51E-01	7.18E-06	-3.57E-02	-9.64E-07
35	366768	757788	Residential	1.72E+00	3.66E-03	1.38E+00	5.53E-01	6.64E-01	5.11E-04	5.53E+00	1.01E-01	1.02E+00	3.65E-05	-1.40E-01	-1.08E-05	4.17E-01	7.19E-05	1.63E-01	7.77E-06	-2.86E-01	-7.73E-06
36	366854	757833	Residential	2.03E+00	4.31E-03	1.58E+00	6.30E-01	3.92E-01	3.01E-04	6.39E+00	1.16E-01	1.15E+00	4.11E-05	-1.47E-01	-1.13E-05	4.74E-01	8.18E-05	1.71E-01	8.16E-06	-8.68E-01	-2.35E-05
37	366941	757877	Residential	2.16E+00	4.59E-03	1.64E+00	6.55E-01	3.07E-01	2.36E-04	6.73E+00	1.22E-01	1.19E+00	4.26E-05	-1.42E-01	-1.09E-05	4.93E-01	8.49E-05	1.74E-01	8.29E-06	-1.05E+00	-2.84E-05
38	367027	757922	Residential	2.37E+00	5.05E-03	1.74E+00	6.96E-01	5.16E-01	3.97E-04	7.34E+00	1.33E-01	1.27E+00	4.55E-05	-1.35E-01	-1.04E-05	5.23E-01	9.02E-05	1.93E-01	9.17E-06	-8.02E-01	-2.17E-05
39	367113	757966	Residential	2.53E+00	5.38E-03	1.79E+00	7.15E-01	1.07E+00	8.23E-04	7.77E+00	1.41E-01	1.32E+00	4.72E-05	-1.20E-01	-9.25E-06	5.36E-01	9.25E-05	2.19E-01	1.04E-05	3.20E-02	8.64E-07
40	367192	757916	Residential	2.53E+00	5.39E-03	1.82E+00	7.28E-01	9.63E-01	7.41E-04	7.81E+00	1.42E-01	1.34E+00	4.79E-05	-1.30E-01	-1.00E-05	5.46E-01	9.41E-05	2.18E-01	1.04E-05	-1.78E-01	-4.81E-06
41	367264	757916	Residential	2.67E+00	5.69E-03	1.90E+00	7.58E-01	1.11E+00	8.53E-04	8.23E+00	1.50E-01	1.40E+00	5.00E-05	-1.29E-01	-9.90E-06	5.69E-01	9.81E-05	2.31E-01	1.10E-05	-5.21E-03	-1.41E-07
42	367335	757916	Residential	2.81E+00	5.98E-03	1.98E+00	7.91E-01	1.27E+00	9.80E-04	8.64E+00	1.57E-01	1.46E+00	5.23E-05	-1.30E-01	-1.00E-05	5.93E-01	1.02E-04	2.46E-01	1.17E-05	1.90E-01	5.13E-06
43	367343	757966	Residential	3.02E+00	6.44E-03	2.09E+00	8.38E-01	1.69E+00	1.30E-03	9.28E+00	1.69E-01	1.56E+00	5.57E-05	-1.27E-01	-9.80E-06	6.27E-01	1.08E-04	2.74E-01	1.30E-05	7.52E-01	2.03E-05
44	367404	757995	Residential	3.13E+00	6.66E-03	2.18E+00	8.70E-01	1.87E+00	1.44E-03	9.63E+00	1.75E-01	1.62E+00	5.80E-05	-1.34E-01	-1.03E-05	6.51E-01	1.12E-04	2.89E-01	1.38E-05	9.68E-01	2.62E-05
45	367465	758024	Residential	3.21E+00	6.83E-03	2.26E+00	9.04E-01	1.75E+00	1.34E-03	9.89E+00	1.80E-01	1.68E+00	6.00E-05	-1.48E-01	-1.14E-05	6.77E-01	1.17E-04	2.93E-01	1.39E-05	6.87E-01	1.86E-05
55	367673	758189	Residential	3.04E+00	6.46E-03	2.18E+00	8.70E-01	9.80E-01	7.54E-04	9.33E+00	1.70E-01	1.60E+00	5.71E-05	-1.54E-01	-1.18E-05	6.52E-01	1.12E-04	2.54E-01	1.21E-05	-4.35E-01	-1.18E-05
59	367816	758096	Residential	3.27E+00	6.95E-03	2.33E+00	9.32E-01	1.12E+00	8.58E-04	1.00E+01	1.83E-01	1.71E+00	6.12E-05	-1.61E-01	-1.24E-05	6.98E-01	1.20E-04	2.75E-01	1.31E-05	-3.64E-01	-9.84E-06
60	367898	758066	Residential	3.32E+00	7.07E-03	2.39E+00	9.56E-01	1.23E+00	9.48E-04	1.03E+01	1.87E-01	1.76E+00	6.29E-05	-1.72E-01	-1.32E-05	7.17E-01	1.24E-04	2.86E-01	1.36E-05	-2.37E-01	-6.41E-06
61	367980	758035	Residential	3.43E+00	7.29E-03	2.48E+00	9.93E-01	1.33E+00	1.02E-03	1.06E+01	1.93E-01	1.83E+00	6.54E-05	-1.83E-01	-1.41E-05	7.45E-01	1.28E-04	2.98E-01	1.42E-05	-1.70E-01	-4.58E-06
62	368062	758005	Residential	3.59E+00	7.64E-03	2.61E+00	1.05E+00	1.38E+00	1.06E-03	1.12E+01	2.03E-01	1.93E+00	6.88E-05	-1.96E-01	-1.51E-05	7.84E-01	1.35E-04	3.14E-01	1.49E-05	-1.93E-01	-5.23E-06
63	368144	757975	Residential	3.90E+00	8.30E-03	2.83E+00	1.13E+00	1.31E+00	1.01E-03	1.21E+01	2.20E-01	2.08E+00	7.44E-05	-2.11E-01	-1.62E-05	8.49E-01	1.46E-04	3.33E-01	1.58E-05	-4.73E-01	-1.28E-05
64	368226	757945	Residential	4.22E+00	8.98E-03	3.07E+00	1.23E+00	1.24E+00	9.53E-04	1.31E+01	2.38E-01	2.25E+00	8.04E-05	-2.30E-01	-1.77E-05	9.20E-01	1.59E-04	3.53E-01	1.68E-05	-7.86E-01	-2.12E-05
65	368301	757943	Residential	5.36E+00	1.14E-02	3.76E+00	1.50E+00	1.76E+00	1.35E-03	1.64E+01	2.99E-01	2.76E+00	9.86E-05	-2.43E-01	-1.87E-05	1.12E+00	1.94E-04	4.42E-01	2.10E-05	-5.46E-01	-1.48E-05
66	368376	757941	Residential	8.14E+00	1.73E-02	5.35E+00	2.14E+00	3.01E+00	2.32E-03	2.45E+01	4.45E-01	3.94E+00	1.41E-04	-2.44E-01	-1.88E-05	1.60E+00	2.75E-04	6.50E-01	3.09E-05	1.09E-01	2.94E-06
67	368452	757940	Residential	9.93E+00	2.11E-02	6.32E+00	2.53E+00	4.07E+00	3.13E-03	2.96E+01	5.38E-01	4.66E+00	1.67E-04	-2.20E-01	-1.70E-05	1.88E+00	3.25E-04	7.87E-01	3.75E-05	9.85E-01	2.66E-05
68	368527	757938	Residential	1.03E+01	2.19E-02	6.61E+00	2.64E+00	3.81E+00	2.93E-03	3.07E+01	5.59E-01	4.86E+00	1.74E-04	-2.50E-01	-1.92E-05	1.97E+00	3.40E-04	8.05E-01	3.83E-05	3.28E-01	8.86E-06
69	368563	757880	Residential	1.15E+01	2.46E-02	7.32E+00	2.93E+00	4.48E+00	3.45E-03	3.44E+01	6.25E-01	5.40E+00	1.93E-04	-2.50E-01	-1.92E-05	2.18E+00	3.76E-04	9.03E-01	4.30E-05	7.95E-01	2.15E-05
70	368636	757926	Residential	1.08E+01	2.31E-02	6.93E+00	2.77E+00	3.58E+00	2.75E-03	3.23E+01	5.87E-01	5.09E+00	1.82E-04	-2.53E-01	-1.95E-05	2.07E+00	3.56E-04	8.28E-01	3.94E-05	-2.95E-01	-7.96E-06
71	368709	757971	Residential	6.64E+00	1.41E-02	4.54E+00	1.82E+00	-7.31E-01	-5.63E-04	1.99E+01	3.62E-01	3.25E+00	1.16E-04	-2.61E-01	-2.01E-05	1.36E+00	2.34E-04	4.21E-01	2.01E-05	-5.02E+00	-1.36E-04
72	368782	758017	Residential	3.77E+00	8.01E-03	2.89E+00	1.16E+00	-1.99E+00	-1.53E-03	1.16E+01	2.11E-01	2.04E+00	7.27E-05	-2.61E-01	-2.00E-05	8.67E-01	1.50E-04	2.08E-01	9.91E-06	-5.64E+00	-1.52E-04
73	368855	758062	Residential	3.80E+00	8.09E-03	2.83E+00	1.13E+00	6.73E-03	5.18E-06	1.18E+01	2.15E-01	2.04E+00	7.30E-05	-2.30E-01	-1.77E-05	8.48E-01	1.46E-04	2.81E-01	1.34E-05	-2.47E+00	-6.67E-05
74	368928	758108	Residential	2.95E+00	6.27E-03	2.23E+00	8.92E-01	3.89E-01	2.99E-04	9.27E+00	1.69E-01	1.62E+00	5.80E-05	-1.91E-01	-1.47E-05	6.69E-01	1.15E-04	2.36E-01	1.13E-05	-1.38E+00	-3.74E-05
75	369001	758153	Residential	3.71E+00	7.89E-03	2.61E+00	1.04E+00	1.20E+00	9.20E-04	1.14E+01	2.08E-01	1.92E+00	6.85E-05	-1.71E-01	-1.32E-05	7.81E-01	1.35E-04	3.06E-01	1.46E-05	-4.32E-01	-1.17E-05
76	369058	758074	Residential	4.02E+00	8.56E-03	2.84E+00	1.14E+00	1.19E+00	9.15E-04	1.24E+01	2.26E-01	2.08E+00	7.44E-05	-1.88E-01	-1.45E-05	8.50E-01	1.46E-04	3.28E-01	1.56E-05	-6.39E-01	-1.73E-05
77	369102	758103	Residential	4.57E+00	9.72E-03	3.16E+00	1.27E+00	6.95E-01	5.35E-04	1.39E+01	2.53E-01	2.30E+00	8.22E-05	-1.93E-01	-1.49E-05	9.46E-01	1.63E-04	3.41E-01	1.62E-05	-1.66E+00	-4.48E-05
78	369145	758132	Residential	5.19E+00	1.10E-02	3.48E+00	1.39E+00	1.11E+00	8.57E-04	1.57E+01	2.85E-01	2.54E+00	9.07E-05	-1.79E-01	-1.38E-05	1.04E+00	1.79E-04	3.89E-01	1.85E-05	-1.26E+00	-3.42E-05
79	369200	758065	Residential	5.58E+00	1.19E-02	3.71E+00	1.48E+00	1.78E+00	1.37E-03	1.69E+01	3.07E-01	2.73E+00	9.74E-05	-1.82E-01	-1.40E-05	1.11E+00	1.91E-04	4.38E-01	2.09E-05	-4.25E-01	-1.15E-05
80	369255	757998	Residential	5.55E+00	1.18E-02	3.73E+00	1.49E+00	2.44E+00	1.87E-03	1.69E+01	3.08E-01	2.76E+00	9.84E-05	-1.92E-01	-1.48E-05	1.11E+00	1.92E-04	4.65E-01	2.22E-05	5.50E-01	1.49E-05
81	369310	757931	Residential	5.67E+00	1.21E-02	3.81E+00	1.52E+00	2.31E+00	1.77E-03	1.73E+01	3.15E-01	2.81E+00	1.00E-04	-2.00E-01	-1.53E-05	1.14E+00	1.96E-04	4.69E-01	2.23E-05	2.83E-01	7.64E-06
82	369356	757981	Residential	4.74E+00	1.01E-02	3.14E+00	1.26E+00	2.12E+00	1.63E-03	1.45E+01	2.63E-01	2.32E+00	8.30E-05	-1.49E-01	-1.15E-05	9.38E-01	1.62E-04	3.95E-01	1.88E-05	5.70E-01	1.54E-05
83	369403	758031	Residential	4.28E+00	9.10E-03	2.81E+00	1.12E+00	2.27E+00	1.74E-03	1.31E+01	2.37E-01	2.09E+00	7.46E-05	-1.26E-01	-9.67E-06	8.38E-01	1.45E-04	3.68E-01	1.75E-05	1.08E+00	2.93E-05
92	369389	758634	Residential	1.69E+00	3.60E-03	1.36E+00	5.45E-01	2.49E-01	1.91E-04	5.43E+00	9.86E-02	9.93E-01	3.55E-05	-1.38E-01	-1.07E-05	4.10E-01	7.06E-05	1.45E-01	6.90E-06	-8.63E-01	-2.33E-05
93	369469	758630	Residential	4.06E-01	8.64E-04	7.36E-01	2.94E-01	-1.43E+00	-1.10E-03	1.75E+00	3.18E-02	4.99E-01	1.78E-05	-1.78E-01	-1.37E-05	2.25E-01	3.88E-05	1.66E-02	7.90E-07	-2.98E+00	-8.05E-05
94	369549	758625	Residential	6.87E-02	1.46E-04	5.63E-01	2.25E-01	-2.23E+00	-1.71E-03	7.37E-01	1.34E-02	3.53E-01	1.26E-05	-1.86E-01	-1.43E-05	1.74E-01	3.00E-05	-3.20E-02	-1.53E-06	-4.08E+00	-1.10E-04
95	369630	758621	Residential	2.74E-01	5.83E-04	6.93E-01	2.77E-01	-1.81E+00	-1.40E-03	1.38E+00	2.51E-02	4.58E-01	1.64E-05	-1.90E-01	-1.46E-05	2.13E-01	3.67E-05	-2.90E-03	-1.38E-07	-3.56E+00	-9.61E-05

Table 3-6B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Maximum Range
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acetaldehyde Acute Hazard	acrolein (µg/m^3)	acrolein Acute Hazard	benzene (µg/m^3)	benzene Acute Hazard	formaldehyde (µg/m^3)	formaldehyde Acute Hazard	methyl alcohol (µg/m^3)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m^3)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m^3)	phenol (carbolic acid) Acute Hazard	styrene (µg/m^3)	styrene Acute Hazard	toluene (µg/m^3)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
96	369710	758617	Residential	1.57E+00	3.35E-03	1.31E+00	5.23E-01	-2.09E-01	-1.60E-04	5.07E+00	9.21E-02	9.42E-01	3.37E-05	-1.44E-01	-1.11E-05	3.94E-01	6.79E-05	1.21E-01	5.78E-06	-1.54E+00	-4.16E-05
97	369791	758613	Residential	2.44E+00	5.18E-03	1.71E+00	6.83E-01	5.28E-01	4.06E-04	7.47E+00	1.36E-01	1.25E+00	4.45E-05	-1.10E-01	-8.47E-06	5.11E-01	8.80E-05	1.90E-01	9.05E-06	-6.70E-01	-1.81E-05
98	369791	758514	Residential	2.75E+00	5.86E-03	1.89E+00	7.54E-01	7.16E-01	5.51E-04	8.40E+00	1.53E-01	1.38E+00	4.93E-05	-1.09E-01	-8.37E-06	5.64E-01	9.73E-05	2.15E-01	1.02E-05	-5.45E-01	-1.47E-05
99	369791	758416	Residential	3.13E+00	6.66E-03	2.09E+00	8.37E-01	9.71E-01	7.47E-04	9.50E+00	1.73E-01	1.54E+00	5.49E-05	-1.06E-01	-8.16E-06	6.26E-01	1.08E-04	2.46E-01	1.17E-05	-3.24E-01	-8.77E-06
100	369791	758318	Residential	3.78E+00	8.04E-03	2.44E+00	9.76E-01	9.62E-01	7.40E-04	1.13E+01	2.06E-01	1.78E+00	6.37E-05	-9.70E-02	-7.46E-06	7.28E-01	1.25E-04	2.80E-01	1.33E-05	-5.96E-01	-1.61E-05
101	369881	758318	Residential	1.99E+00	4.23E-03	1.54E+00	6.16E-01	-1.71E-01	-1.32E-04	6.29E+00	1.14E-01	1.11E+00	3.96E-05	-1.42E-01	-1.09E-05	4.63E-01	7.98E-05	1.46E-01	6.94E-06	-1.67E+00	-4.51E-05
102	369972	758318	Residential	-1.16E-01	-2.47E-04	4.90E-01	1.96E-01	-1.37E+00	-1.06E-03	4.06E-01	7.39E-03	3.25E-01	1.16E-05	-1.97E-01	-1.52E-05	1.53E-01	2.64E-05	-5.47E-03	-2.61E-07	-2.71E+00	-7.32E-05
103	370062	758318	Residential	1.06E-01	2.26E-04	6.52E-01	2.61E-01	-1.64E+00	-1.26E-03	1.07E+00	1.94E-02	4.34E-01	1.55E-05	-2.09E-01	-1.61E-05	2.01E-01	3.46E-05	3.76E-04	1.79E-08	-3.23E+00	-8.72E-05
104	370153	758318	Residential	2.97E-01	6.31E-04	7.54E-01	3.02E-01	-1.79E+00	-1.38E-03	1.58E+00	2.87E-02	5.03E-01	1.80E-05	-2.07E-01	-1.59E-05	2.31E-01	3.99E-05	4.12E-03	1.96E-07	-3.57E+00	-9.64E-05
105	370243	758318	Residential	3.21E-01	6.83E-04	8.03E-01	3.21E-01	-2.00E+00	-1.54E-03	1.68E+00	3.06E-02	5.33E-01	1.90E-05	-2.19E-01	-1.69E-05	2.46E-01	4.24E-05	1.15E-03	5.48E-08	-3.91E+00	-1.06E-04
111	370408	758347	Residential	-5.68E-01	-1.21E-03	3.81E-01	1.53E-01	-3.11E+00	-2.39E-03	-8.51E-01	-1.55E-02	2.01E-01	7.19E-06	-2.51E-01	-1.93E-05	1.22E-01	2.11E-05	-8.45E-02	-4.02E-06	-5.33E+00	-1.44E-04
112	370490	758344	Residential	-1.54E+00	-3.28E-03	-7.24E-02	-2.90E-02	-3.34E+00	-2.57E-03	-3.50E+00	-6.37E-02	-1.28E-01	-4.59E-06	-2.87E-01	-2.21E-05	-1.06E-02	-1.82E-06	-1.39E-01	-6.60E-06	-5.37E+00	-1.45E-04
113	370572	758341	Residential	-1.11E+00	-2.37E-03	2.12E-01	8.50E-02	-3.70E+00	-2.85E-03	-2.27E+00	-4.12E-02	6.63E-02	2.37E-06	-3.01E-01	-2.32E-05	7.39E-02	1.27E-05	-1.25E-01	-5.94E-06	-6.16E+00	-1.66E-04
114	370654	758338	Residential	-2.26E-01	-4.82E-04	8.13E-01	3.25E-01	-3.43E+00	-2.64E-03	4.06E-01	7.39E-03	5.07E-01	1.81E-05	-3.34E-01	-2.57E-05	2.53E-01	4.36E-05	-5.43E-02	-2.59E-06	-6.23E+00	-1.68E-04
115	370735	758335	Residential	7.44E-01	1.58E-03	1.18E+00	4.71E-01	-2.19E+00	-1.69E-03	3.02E+00	5.49E-02	8.00E-01	2.86E-05	-2.66E-01	-2.05E-05	3.59E-01	6.20E-05	3.02E-02	1.44E-06	-4.61E+00	-1.24E-04
116	370817	758333	Residential	1.10E+00	2.35E-03	1.29E+00	5.14E-01	-1.02E+00	-7.86E-04	4.04E+00	7.35E-02	9.08E-01	3.24E-05	-2.31E-01	-1.77E-05	3.90E-01	6.72E-05	8.72E-02	4.15E-06	-2.84E+00	-7.67E-05
130	371183	758027	Residential	4.00E+00	8.51E-03	2.84E+00	1.14E+00	1.61E+00	1.24E-03	1.24E+01	2.26E-01	2.10E+00	7.49E-05	-1.93E-01	-1.49E-05	8.51E-01	1.47E-04	3.45E-01	1.64E-05	-4.75E-02	-1.28E-06
131	371248	758024	Residential	4.14E+00	8.82E-03	2.95E+00	1.18E+00	1.33E+00	1.02E-03	1.28E+01	2.33E-01	2.17E+00	7.74E-05	-2.04E-01	-1.57E-05	8.84E-01	1.52E-04	3.45E-01	1.64E-05	-5.44E-01	-1.47E-05
132	371326	758075	Residential	3.89E+00	8.28E-03	2.75E+00	1.10E+00	1.26E+00	9.68E-04	1.20E+01	2.19E-01	2.02E+00	7.23E-05	-1.85E-01	-1.42E-05	8.25E-01	1.42E-04	3.23E-01	1.54E-05	-4.91E-01	-1.33E-05
133	371404	758127	Residential	3.42E+00	7.27E-03	2.45E+00	9.79E-01	1.35E+00	1.04E-03	1.06E+01	1.93E-01	1.81E+00	6.46E-05	-1.73E-01	-1.33E-05	7.35E-01	1.27E-04	2.96E-01	1.41E-05	-1.36E-01	-3.68E-06
134	371481	758178	Residential	3.15E+00	6.70E-03	2.29E+00	9.14E-01	1.32E+00	1.02E-03	9.83E+00	1.79E-01	1.69E+00	6.04E-05	-1.70E-01	-1.30E-05	6.86E-01	1.18E-04	2.78E-01	1.33E-05	-5.11E-02	-1.38E-06
135	371559	758230	Residential	2.93E+00	6.23E-03	2.14E+00	8.58E-01	1.33E+00	1.02E-03	9.17E+00	1.67E-01	1.59E+00	5.67E-05	-1.65E-01	-1.27E-05	6.44E-01	1.11E-04	2.65E-01	1.26E-05	7.17E-02	1.94E-06
136	371637	758281	Residential	2.76E+00	5.87E-03	2.00E+00	7.98E-01	1.34E+00	1.03E-03	8.61E+00	1.57E-01	1.48E+00	5.29E-05	-1.47E-01	-1.13E-05	6.00E-01	1.03E-04	2.50E-01	1.19E-05	2.00E-01	5.39E-06
137	371715	758333	Residential	2.54E+00	5.40E-03	1.86E+00	7.43E-01	1.35E+00	1.04E-03	7.96E+00	1.45E-01	1.38E+00	4.93E-05	-1.42E-01	-1.09E-05	5.59E-01	9.63E-05	2.37E-01	1.13E-05	3.27E-01	8.84E-06
138	371769	758261	Residential	1.93E+00	4.10E-03	1.52E+00	6.09E-01	1.47E+00	1.13E-03	6.26E+00	1.14E-01	1.14E+00	4.09E-05	-1.48E-01	-1.14E-05	4.60E-01	7.92E-05	2.08E-01	9.93E-06	7.88E-01	2.13E-05
139	371822	758189	Residential	1.06E+00	2.25E-03	1.35E+00	5.41E-01	3.93E-01	3.03E-04	4.15E+00	7.54E-02	9.98E-01	3.56E-05	-2.64E-01	-2.03E-05	4.11E-01	7.09E-05	1.50E-01	7.15E-06	-7.26E-01	-1.96E-05
140	371894	758160	Residential	7.01E-01	1.49E-03	1.44E+00	5.74E-01	-3.18E-01	-2.45E-04	3.47E+00	6.31E-02	1.04E+00	3.71E-05	-3.65E-01	-2.81E-05	4.37E-01	7.54E-05	1.31E-01	6.24E-06	-1.86E+00	-5.02E-05
141	371894	758081	Residential	4.33E-01	9.21E-04	1.50E+00	6.01E-01	-1.22E+00	-9.39E-04	2.92E+00	5.31E-02	1.07E+00	3.81E-05	-4.43E-01	-3.41E-05	4.59E-01	7.92E-05	1.03E-01	4.88E-06	-3.33E+00	-9.01E-05
142	371959	758074	Residential	7.51E-01	1.60E-03	1.61E+00	6.44E-01	-9.96E-01	-7.66E-04	3.73E+00	6.79E-02	1.15E+00	4.11E-05	-4.16E-01	-3.20E-05	4.91E-01	8.46E-05	1.22E-01	5.79E-06	-3.10E+00	-8.38E-05
155	372055	757363	Residential	9.94E-01	2.11E-03	1.62E+00	6.48E-01	-3.73E-01	-2.87E-04	4.56E+00	8.29E-02	1.17E+00	4.19E-05	-3.71E-01	-2.85E-05	4.94E-01	8.51E-05	1.47E-01	6.98E-06	-2.19E+00	-5.93E-05
297	370239	755427	Residential	5.08E+00	1.08E-02	3.38E+00	1.35E+00	2.89E+00	2.22E-03	1.54E+01	2.80E-01	2.52E+00	9.00E-05	-1.66E-01	-1.28E-05	1.01E+00	1.74E-04	4.49E-01	2.14E-05	1.54E+00	4.17E-05
298	370138	755427	Residential	6.08E+00	1.29E-02	3.79E+00	1.51E+00	4.42E+00	3.40E-03	1.82E+01	3.31E-01	2.85E+00	1.02E-04	-1.06E-01	-8.14E-06	1.13E+00	1.95E-04	5.50E-01	2.62E-05	3.63E+00	9.81E-05
299	370040	755427	Residential	1.58E-02	3.35E-05	6.88E-01	2.75E-01	-2.50E+00	-1.92E-03	7.66E-01	1.39E-02	4.38E-01	1.56E-05	-2.41E-01	-1.85E-05	2.13E-01	3.67E-05	-3.01E-02	-1.43E-06	-4.62E+00	-1.25E-04
300	369941	755426	Residential	1.26E+00	2.68E-03	1.30E+00	5.19E-01	-1.40E+00	-1.08E-03	4.28E+00	7.78E-02	9.05E-01	3.23E-05	-2.04E-01	-1.57E-05	3.93E-01	6.77E-05	7.35E-02	3.50E-06	-3.40E+00	-9.19E-05
301	369842	755426	Residential	2.06E+00	4.39E-03	1.74E+00	6.98E-01	-5.48E-01	-4.22E-04	6.64E+00	1.21E-01	1.25E+00	4.46E-05	-1.99E-01	-1.53E-05	5.25E-01	9.05E-05	1.52E-01	7.22E-06	-2.43E+00	-6.56E-05
304	369544	755434	Residential	-4.56E-03	-9.69E-06	7.63E-01	3.05E-01	-2.86E+00	-2.20E-03	8.04E-01	1.46E-02	4.83E-01	1.72E-05	-2.71E-01	-2.09E-05	2.36E-01	4.06E-05	-3.70E-02	-1.76E-06	-5.26E+00	-1.42E-04
305	369445	755434	Residential	1.84E+00	3.92E-03	1.71E+00	6.82E-01	-9.77E-01	-7.52E-04	6.08E+00	1.11E-01	1.21E+00	4.33E-05	-2.30E-01	-1.77E-05	5.15E-01	8.88E-05	1.31E-01	6.22E-06	-3.12E+00	-8.43E-05
306	369346	755434	Residential	2.91E+00	6.19E-03	2.27E+00	9.09E-01	-2.77E-01	-2.13E-04	9.12E+00	1.66E-01	1.64E+00	5.85E-05	-2.14E-01	-1.65E-05	6.83E-01	1.18E-04	2.14E-01	1.02E-05	-2.50E+00	-6.75E-05
310	368953	755441	Residential	1.95E+00	4.15E-03	1.91E+00	7.64E-01	-2.62E-01	-2.02E-04	6.68E+00	1.21E-01	1.38E+00	4.93E-05	-2.80E-01	-2.16E-05	5.78E-01	9.96E-05	1.79E-01	8.54E-06	-2.23E+00	-6.02E-05
311	368854	755441	Residential	1.77E+00	3.77E-03	1.72E+00	6.88E-01	-5.89E-01	-4.53E-04	6.02E+00	1.10E-01	1.23E+00	4.40E-05	-2.49E-01	-1.91E-05	5.20E-01	8.96E-05	1.47E-01	7.01E-06	-2.54E+00	-6.87E-05
312	368755	755441	Residential	1.90E+00	4.04E-03	1.70E+00	6.79E-01	-5.41E-01	-4.16E-04	6.27E+00	1.14E-01	1.22E+00	4.34E-05	-2.16E-01	-1.66E-05	5.12E-01	8.82E-05	1.47E-01	7.01E-06	-2.41E+00	-6.51E-05
313	368657	755441	Residential	2.39E+00	5.09E-03	1.94E+00	7.74E-01	-7.55E-02	-5.80E-05	7.67E+00	1.40E-01	1.40E+00	5.00E-05	-2.00E-01	-1.54E-05	5.82E-01	1.00E-04	1.89E-01	9.00E-06	-1.86E+00	-5.04E-05
314	368558	755440	Residential	2.91E+00	6.20E-03	2.20E+00	8.78E-01	1.37E-01	1.06E-04	9.13E+00	1.66E-01	1.59E+00	5.68E-05	-1.86E-01	-1.43E-05	6.58E-01	1.14E-04	2.23E-01	1.06E-05	-1.73E+00	-4.69E-05
315	368459	755440	Residential	3.19E+00	6.80E-03	2.35E+00	9.38E-01	9.01E-01	6.93E-04	1.00E+01	1.82E-01	1.72E+00	6.14E-05	-1.82E-01	-1.40E-05	7.03E-01	1.21E-04	2.68E-01	1.28E-05	-6.77E-01	-1.83E-05
316	368360	755440	Residential	3.72E+00	7.92E-03	2.61E+00	1.04E+00	1.31E+00	1.01E-03	1.15E+01	2.09E-01	1.92E+00	6.85E-05	-1.67E-01	-1.29E-05	7.80E-01	1.34E-04	3.10E-01	1.48E-05	-2.49E-01	-6.72E-06
317	368262	755439	Residential	3.81E+00	8.11E-03	2.65E+00	1.06E+00	1.36E+00	1.05E-03	1.18E+01	2.14E-01	1.95E+00	6.98E-05	-1.66E-01	-1.27E-05	7.94E-01	1.37E-04	3.17E-01	1.51E-05	-2.01E-01	-5.43E-06
318	368186	755427	Residential	3.63E+00	7.71E-03	2.56E+00	1.02E+00	1.25E+00	9.65E-04	1.13E+01	2.05E-01	1.88E+00	6.72E-05	-1.70E-01	-1.31E-05	7.66E-01	1.32E-04	3.03E-01	1.44E-05	-2.95E-01	-7.98E-06
319	368111	755414	Residential	3.43E+00	7.31E-03	2.45E+00	9.81E-01	1.17E+00	8.97E-04	1.07E+01	1.95E-01	1.80E+00	6.44E-05	-1.71E-01	-1.31E-05	7.34E-01	1.27E-04	2.89E-01	1.38E-05	-3.49E-01	-9.44E-06
46	367504	757948	School	3.29E+00	7.00E-03	2.28E+00	9.13E-01	1.96E+00	1.51E-03	1.01E+01	1.84E-01	1.70E+00	6.08E-05	-1.40E-01	-1.08E-05	6.83E-01	1.18E-04	3.03E-01	1.45E-05	1.02E+00	2.74E-05
47	367544	757873	School	3.10E+00	6.61E-03	2.21E+00	8.86E-01	1.51E+00	1.16E-03	9.61E+00	1.75E-01	1.64E+00	5.86E-05	-1.54E-01	-1.18E-05	6.64E-01	1.14E-04	2.79E-01	1.33E-05	3.57E-01	9.64E-06
48	367587	757909	School	3.39E+00	7.22E-03	2.37E+00	9.47E-01	1.98E+00	1.52E-03	1.05E+01	1.90E-01	1.76E+00	6.30E-05	-1.49E-01	-1.14E-05	7.09E-01	1.22E-04	3.13E-01	1.49E-05	9.75E-01	2.63E-05
49	367623	757866	School	3.26E+00	6.94E-03	2.33E+00	9.31E-01	1.69E+00	1.30E-03	1.01E+01	1.84E-01	1.73E+00	6.18E-05	-1.62E-01	-1.24E-05	6.98E-01	1.20E-04	2.98E-01	1.42E-05	5.45E-01	1.47E-05
50	367694	757866	School	3.48E+00	7.40E-03	2.46E+00	9.85E-01	1.95E+00	1.50E-03	1.08E+01	1.96E-01	1.83E+00	6.55E-05	-1.66E-01	-1.27E-05	7.37E-01	1.27E-04	3.21E-01	1.53E-05	8.44E-01	2.28E-05
51	367716	757927	School	3.89E+00	8.27E-03	2.70E+00	1.08E+00	1.90E+00	1.46E-03	1.19E+01	2.17E-01	2.00E+00	7.15E-05	-1.66E-01	-1.28E-05	8.08E-01	1.39E-04	3.42E-01	1.63E-05	5.51E-01	1.49E-05
52	367737	757988	School	4.04E+00	8.59E-03	2.77E+00	1.11E+00	1.47E+00	1.13E-03	1.23E+01	2.23E-01	2.04E+00	7.30E-05	-1.63E-01	-1.26E-05	8.30E-01	1.43E-04	3.33E-01	1.58E-05	-1.84E-01	-4.98E-06
53	367727	758067	School	3.62E+00	7.71E-03	2.53E+00	1.01E+00	9.35E-01	7.19E-04	1.10E+01	2.00E-01	1.85E+00	6.61E-05	-1.59E-01	-1.23E-05	7.57E-01	1.31E-04	2.87E-01	1.37E-05	-7.99E-01	-2.16E-05
54	367716	758146	School	3.17E+00	6.74E-03	2.24E+00	8.98E-01	9.87E-01	7.59E-04	9.70E+00	1.76E-01	1.65E+00	5.89E-05	-1.52E-01	-1.17E-05	6.73E-01	1.16E-04	2.61E-01	1.24E-05	-4.86E-01	-1.31E-05
56	367723	758254	School	2.80E+00	5.97E-03	2.11E+00	8.44E-01	1.22E+00	9.39E-04	8.79E+00	1.60E-01	1.56E+00	5.57E-05	-1.78E-01	-1.37E-05	6.33E-01	1.09E-04	2.57E-01	1.23E-05	-6.75E-03	-1.82E-07
57	367784	758221	School	2.90E+00	6.18E-03	2.18E+00	8.73E-01	1.21E+00	9.33E-04	9.10E+00	1.65E-01	1.61E+00	5.76E-05	-1.83E-01	-1.41E-05	6.55E-01	1.13E-04	2.64E-01	1.26E-05	-8.07E-02	-2.18E-06
58	367845	758189	School	3.04E+00	6.47E-03	2.28E+00	9.11E-01	1.18E+00	9.10E-04	9.51E+00	1.73E-01	1.68E+00	6.00E-05	-1.89E-01	-1.45E-05	6.83E-01	1.18E-04	2.72E-01	1.30E-05	-2.05E-01	-5.53E-06
106	370247	758254	School	3.83E-01	8.16E-04	8.43E-01	3.37E-01	-2.01E+00	-1.55E-03	1.87E+00	3.41E-02	5.62E-01	2.01E-05	-2.21E-01	-1.70E-05	2.58E-01	4.45E-05	4.43E-03	2.11E-07	-3.97E+00	-1.07E-04
107	370250	758189	School	2.56E-01	5.45E-04	8.07E-01	3.23E-01	-2.25E+00	-1.73E-03	1.55E+00	2.83E-02	5.30E-01	1.89E-05	-2.34E-01	-1.80E-05	2.48E-01	4.27E-05	-8.44E-03	-4.02E-07	-4.32E+00	-1.17E-04
108	370308	758196	School	2.82E-01	5.99E-04	7.89E-01	3.16E-01	-1.92E+00	-1.47E-03	1.62E+00	2.94E-02	5.26E-01	1.88E-05	-2.22E-01	-1.71E-05	2.42E-01	4.17E-05	2.90E-03	1.38E-07	-3.78E+00	-1.02E-04
109	370361	758236	School	-1.52E-01	-3.24E-04	5.66E-01	2.26E-01	-2.71E+00	-2.09E-03	3.19E-01	5.79E-03	3.44E-01	1.23E-05	-2.32E-01	-1.78E-05	1.77E-01	3.05E-05	-5.09E-02	-2.42E-06	-4.87E+00	-1.32E-04
110	370415	758275	School	-6.23E-01	-1.33E-03	3.93E-01	1.57E-01	-3.34E+00	-2.57E-03	-9.61E-01	-1.75E-02	2.04E-01	7.29E-06	-2.66E-01	-2.05E-05	1.26E-01	2.18E-05	-9.24E-02	-4.40E-06	-5.71E+00	-1.54E-04

Table 3-6B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Maximum Range
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acetaldehyde Acute Hazard	acrolein (µg/m^3)	acrolein Acute Hazard	benzene (µg/m^3)	benzene Acute Hazard	formaldehyde (µg/m^3)	formaldehyde Acute Hazard	methyl alcohol (µg/m^3)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m^3)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m^3)	phenol (carbolic acid) Acute Hazard	styrene (µg/m^3)	styrene Acute Hazard	toluene (µg/m^3)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
302	369741	755435	School	-4.66E-01	-9.91E-04	4.67E-01	1.87E-01	-3.64E+00	-2.80E-03	-6.43E-01	-1.17E-02	2.49E-01	8.88E-06	-2.60E-01	-2.00E-05	1.48E-01	2.55E-05	-9.73E-02	-4.63E-06	-6.24E+00	-1.69E-04
303	369643	755434	School	7.53E-01	1.60E-03	1.08E+00	4.32E-01	-5.71E-01	-4.39E-04	3.01E+00	5.47E-02	7.75E-01	2.77E-05	-2.30E-01	-1.77E-05	3.31E-01	5.70E-05	8.45E-02	4.02E-06	-2.03E+00	-5.50E-05

Note: Shaded cells indicate locations where concentrations were highest within each land use category.

Table 3-6B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Maximum Range
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m^3)	xylene, total Acute Hazard	arsenic (µg/m^3)	arsenic Acute Hazard	chlorine (µg/m^3)	chlorine Acute Hazard	copper (µg/m^3)	copper Acute Hazard	mercury (µg/m^3)	mercury Acute Hazard	nickel (µg/m^3)	nickel Acute Hazard	vanadium (µg/m^3)	vanadium Acute Hazard	sulfates (µg/m^3)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
117	370814	758243	Offsite Worker	-2.43E+00	-1.10E-04	-1.79E-03	-8.96E-03	-1.28E-01	-6.10E-04	-8.89E-03	-8.89E-05	-1.07E-02	-1.79E-02	-6.84E-03	-1.14E-03	-1.04E-02	-3.46E-04	-6.28E+00	-5.23E-02
118	370810	758153	Offsite Worker	-2.37E+00	-1.08E-04	-2.06E-03	-1.03E-02	-1.48E-01	-7.06E-04	-1.02E-02	-1.02E-04	-1.24E-02	-2.06E-02	-7.89E-03	-1.31E-03	-1.20E-02	-3.99E-04	-7.23E+00	-6.03E-02
119	370807	758063	Offsite Worker	-1.87E+00	-8.49E-05	-2.35E-03	-1.17E-02	-1.69E-01	-8.07E-04	-1.16E-02	-1.16E-04	-1.41E-02	-2.35E-02	-8.97E-03	-1.50E-03	-1.36E-02	-4.54E-04	-8.23E+00	-6.86E-02
120	370803	757974	Offsite Worker	-2.45E+00	-1.11E-04	-2.75E-03	-1.37E-02	-1.97E-01	-9.40E-04	-1.36E-02	-1.36E-04	-1.65E-02	-2.75E-02	-1.05E-02	-1.75E-03	-1.59E-02	-5.31E-04	-9.63E+00	-8.02E-02
121	370835	757927	Offsite Worker	-3.05E+00	-1.39E-04	-3.01E-03	-1.51E-02	-2.14E-01	-1.02E-03	-1.49E-02	-1.49E-04	-1.81E-02	-3.01E-02	-1.15E-02	-1.91E-03	-1.75E-02	-5.82E-04	-1.05E+01	-8.78E-02
122	370868	757880	Offsite Worker	-1.89E+00	-8.60E-05	-2.70E-03	-1.35E-02	-1.90E-01	-9.03E-04	-1.33E-02	-1.33E-04	-1.62E-02	-2.70E-02	-1.03E-02	-1.72E-03	-1.57E-02	-5.22E-04	-9.44E+00	-7.87E-02
123	370921	757884	Offsite Worker	-2.19E+00	-9.95E-05	-2.97E-03	-1.48E-02	-2.08E-01	-9.89E-04	-1.46E-02	-1.46E-04	-1.78E-02	-2.97E-02	-1.13E-02	-1.88E-03	-1.72E-02	-5.74E-04	-1.04E+01	-8.64E-02
124	370975	757887	Offsite Worker	-1.50E+00	-6.80E-05	-2.70E-03	-1.35E-02	-1.87E-01	-8.92E-04	-1.31E-02	-1.31E-04	-1.62E-02	-2.70E-02	-1.03E-02	-1.71E-03	-1.56E-02	-5.21E-04	-9.41E+00	-7.84E-02
125	370975	757794	Offsite Worker	1.13E-01	5.16E-06	-1.91E-03	-9.53E-03	-1.29E-01	-6.13E-04	-8.89E-03	-8.89E-05	-1.14E-02	-1.91E-02	-7.22E-03	-1.20E-03	-1.10E-02	-3.68E-04	-6.63E+00	-5.52E-02
126	371026	757794	Offsite Worker	-8.17E-01	-3.71E-05	-1.86E-03	-9.30E-03	-1.29E-01	-6.17E-04	-8.63E-03	-8.63E-05	-1.12E-02	-1.86E-02	-7.08E-03	-1.18E-03	-1.08E-02	-3.60E-04	-6.50E+00	-5.41E-02
127	371076	757877	Offsite Worker	-1.63E-01	-7.41E-06	-1.91E-03	-9.54E-03	-1.37E-01	-6.50E-04	-9.02E-03	-9.02E-05	-1.14E-02	-1.91E-02	-7.29E-03	-1.21E-03	-1.11E-02	-3.69E-04	-6.68E+00	-5.57E-02
128	371126	757959	Offsite Worker	2.87E-01	1.30E-05	-1.92E-03	-9.60E-03	-1.38E-01	-6.55E-04	-9.17E-03	-9.17E-05	-1.15E-02	-1.92E-02	-7.33E-03	-1.22E-03	-1.11E-02	-3.71E-04	-6.72E+00	-5.60E-02
129	371119	758031	Offsite Worker	-1.69E-01	-7.68E-06	-1.81E-03	-9.06E-03	-1.29E-01	-6.15E-04	-8.70E-03	-8.70E-05	-1.09E-02	-1.81E-02	-6.92E-03	-1.15E-03	-1.05E-02	-3.50E-04	-6.34E+00	-5.29E-02
143	371953	757977	Offsite Worker	-1.70E+00	-7.74E-05	-1.31E-03	-6.55E-03	-9.59E-02	-4.57E-04	-6.29E-03	-6.29E-05	-7.86E-03	-1.31E-02	-5.02E-03	-8.36E-04	-7.59E-03	-2.53E-04	-4.60E+00	-3.83E-02
144	371948	757880	Offsite Worker	-2.08E+00	-9.47E-05	-1.02E-03	-5.09E-03	-7.48E-02	-3.56E-04	-4.83E-03	-4.83E-05	-6.11E-03	-1.02E-02	-3.91E-03	-6.51E-04	-5.91E-03	-1.97E-04	-3.58E+00	-2.98E-02
145	371943	757783	Offsite Worker	-5.17E+00	-2.35E-04	-1.54E-03	-7.70E-03	-1.18E-01	-5.62E-04	-7.55E-03	-7.55E-05	-9.24E-03	-1.54E-02	-5.94E-03	-9.89E-04	-8.93E-03	-2.98E-04	-5.44E+00	-4.54E-02
146	372016	757794	Offsite Worker	-5.04E+00	-2.29E-04	-1.57E-03	-7.85E-03	-1.18E-01	-5.61E-04	-7.72E-03	-7.72E-05	-9.42E-03	-1.57E-02	-6.04E-03	-1.01E-03	-9.11E-03	-3.04E-04	-5.54E+00	-4.61E-02
147	372102	757791	Offsite Worker	-4.82E+00	-2.19E-04	-1.61E-03	-8.05E-03	-1.19E-01	-5.65E-04	-7.94E-03	-7.94E-05	-9.66E-03	-1.61E-02	-6.17E-03	-1.03E-03	-9.33E-03	-3.11E-04	-5.66E+00	-4.72E-02
148	372178	757760	Offsite Worker	-3.99E+00	-1.81E-04	-1.46E-03	-7.30E-03	-1.09E-01	-5.18E-04	-7.22E-03	-7.22E-05	-8.75E-03	-1.46E-02	-5.61E-03	-9.34E-04	-8.46E-03	-2.82E-04	-5.14E+00	-4.28E-02
149	372177	757670	Offsite Worker	-2.53E+00	-1.15E-04	-1.50E-03	-7.48E-03	-1.07E-01	-5.08E-04	-7.36E-03	-7.36E-05	-8.97E-03	-1.50E-02	-5.71E-03	-9.52E-04	-8.67E-03	-2.89E-04	-5.24E+00	-4.37E-02
150	372176	757579	Offsite Worker	-1.92E+00	-8.71E-05	-1.09E-03	-5.46E-03	-8.59E-02	-4.09E-04	-5.35E-03	-5.35E-05	-6.56E-03	-1.09E-02	-4.23E-03	-7.05E-04	-6.34E-03	-2.11E-04	-3.88E+00	-3.23E-02
151	372174	757489	Offsite Worker	-2.15E+00	-9.78E-05	-7.67E-04	-3.84E-03	-6.04E-02	-2.87E-04	-3.65E-03	-3.65E-05	-4.60E-03	-7.67E-03	-2.97E-03	-4.95E-04	-4.45E-03	-1.48E-04	-2.72E+00	-2.27E-02
152	372173	757398	Offsite Worker	-1.27E+00	-5.79E-05	-1.02E-03	-5.12E-03	-8.45E-02	-4.02E-04	-4.95E-03	-4.95E-05	-6.14E-03	-1.02E-02	-3.99E-03	-6.65E-04	-5.93E-03	-1.98E-04	-3.66E+00	-3.05E-02
153	372171	757308	Offsite Worker	3.53E-01	1.61E-05	-9.75E-04	-4.88E-03	-6.75E-02	-3.21E-04	-4.52E-03	-4.52E-05	-5.85E-03	-9.75E-03	-3.71E-03	-6.18E-04	-5.66E-03	-1.89E-04	-3.40E+00	-2.84E-02
154	372055	757309	Offsite Worker	-1.05E+00	-4.79E-05	-1.25E-03	-6.26E-03	-1.05E-01	-5.01E-04	-6.15E-03	-6.15E-05	-7.51E-03	-1.25E-02	-4.89E-03	-8.16E-04	-7.26E-03	-2.42E-04	-4.49E+00	-3.74E-02
156	372055	757416	Offsite Worker	-2.18E+00	-9.90E-05	-1.10E-03	-5.51E-03	-9.70E-02	-4.62E-04	-5.48E-03	-5.48E-05	-6.61E-03	-1.10E-02	-4.34E-03	-7.23E-04	-6.39E-03	-2.13E-04	-3.98E+00	-3.32E-02
157	371952	757442	Offsite Worker	-1.92E+00	-8.71E-05	-1.28E-03	-6.38E-03	-9.07E-02	-4.32E-04	-6.22E-03	-6.22E-05	-7.65E-03	-1.28E-02	-4.87E-03	-8.11E-04	-7.40E-03	-2.47E-04	-4.47E+00	-3.72E-02
158	371950	757345	Offsite Worker	-3.32E+00	-1.51E-04	-1.56E-03	-7.79E-03	-1.48E-01	-7.06E-04	-7.95E-03	-7.95E-05	-9.35E-03	-1.56E-02	-6.21E-03	-1.04E-03	-9.04E-03	-3.01E-04	-5.70E+00	-4.75E-02
159	371864	757344	Offsite Worker	-3.77E+00	-1.71E-04	-1.45E-03	-7.24E-03	-1.35E-01	-6.45E-04	-7.30E-03	-7.30E-05	-8.69E-03	-1.45E-02	-5.76E-03	-9.60E-04	-8.40E-03	-2.80E-04	-5.28E+00	-4.40E-02
160	371790	757347	Offsite Worker	-3.06E+00	-1.39E-04	-1.40E-03	-7.00E-03	-1.13E-01	-5.36E-04	-6.89E-03	-6.89E-05	-8.40E-03	-1.40E-02	-5.44E-03	-9.06E-04	-8.12E-03	-2.71E-04	-4.98E+00	-4.15E-02
161	371708	757356	Offsite Worker	-2.15E+00	-9.77E-05	-1.46E-03	-7.30E-03	-1.01E-01	-4.80E-04	-7.07E-03	-7.07E-05	-8.75E-03	-1.46E-02	-5.55E-03	-9.25E-04	-8.46E-03	-2.82E-04	-5.09E+00	-4.24E-02
162	371615	757356	Offsite Worker	-1.58E+00	-7.17E-05	-1.55E-03	-7.76E-03	-9.53E-02	-4.54E-04	-7.42E-03	-7.42E-05	-9.31E-03	-1.55E-02	-5.81E-03	-9.69E-04	-9.00E-03	-3.00E-04	-5.33E+00	-4.44E-02
163	371523	757356	Offsite Worker	-1.10E+00	-5.01E-05	-1.84E-03	-9.18E-03	-1.18E-01	-5.61E-04	-8.87E-03	-8.87E-05	-1.10E-02	-1.84E-02	-6.92E-03	-1.15E-03	-1.06E-02	-3.55E-04	-6.34E+00	-5.29E-02
164	371430	757356	Offsite Worker	-7.49E-01	-3.40E-05	-2.16E-03	-1.08E-02	-1.51E-01	-7.20E-04	-1.06E-02	-1.06E-04	-1.29E-02	-2.16E-02	-8.21E-03	-1.37E-03	-1.25E-02	-4.17E-04	-7.53E+00	-6.28E-02
165	371338	757356	Offsite Worker	-1.06E+00	-4.83E-05	-2.66E-03	-1.33E-02	-1.98E-01	-9.44E-04	-1.32E-02	-1.32E-04	-1.60E-02	-2.66E-02	-1.02E-02	-1.70E-03	-1.54E-02	-5.14E-04	-9.37E+00	-7.81E-02
166	371245	757356	Offsite Worker	-2.18E+00	-9.92E-05	-3.46E-03	-1.73E-02	-2.65E-01	-1.26E-03	-1.73E-02	-1.73E-04	-2.08E-02	-3.46E-02	-1.33E-02	-2.22E-03	-2.01E-02	-6.69E-04	-1.22E+01	-1.02E-01
167	371153	757356	Offsite Worker	-3.81E+00	-1.73E-04	-4.27E-03	-2.13E-02	-3.31E-01	-1.58E-03	-2.15E-02	-2.15E-04	-2.56E-02	-4.27E-02	-1.65E-02	-2.75E-03	-2.48E-02	-8.25E-04	-1.51E+01	-1.26E-01
168	371061	757356	Offsite Worker	-5.24E+00	-2.38E-04	-4.89E-03	-2.45E-02	-3.80E-01	-1.81E-03	-2.46E-02	-2.46E-04	-2.94E-02	-4.89E-02	-1.89E-02	-3.15E-03	-2.84E-02	-9.46E-04	-1.73E+01	-1.45E-01
169	371005	757357	Offsite Worker	-6.22E+00	-2.83E-04	-5.11E-03	-2.55E-02	-3.95E-01	-1.88E-03	-2.56E-02	-2.56E-04	-3.06E-02	-5.11E-02	-1.97E-02	-3.29E-03	-2.96E-02	-9.87E-04	-1.81E+01	-1.51E-01
170	370998	757293	Offsite Worker	-4.57E+00	-2.08E-04	-4.46E-03	-2.23E-02	-3.51E-01	-1.67E-03	-2.23E-02	-2.23E-04	-2.67E-02	-4.46E-02	-1.73E-02	-2.88E-03	-2.59E-02	-8.62E-04	-1.58E+01	-1.32E-01
171	370998	757194	Offsite Worker	2.74E-02	1.25E-06	-2.95E-03	-1.47E-02	-2.32E-01	-1.10E-03	-1.45E-02	-1.45E-04	-1.77E-02	-2.95E-02	-1.14E-02	-1.90E-03	-1.71E-02	-5.70E-04	-1.05E+01	-8.72E-02
172	370998	757096	Offsite Worker	-2.59E-01	-1.18E-05	-2.70E-03	-1.35E-02	-1.92E-01	-9.15E-04	-1.31E-02	-1.31E-04	-1.62E-02	-2.70E-02	-1.03E-02	-1.72E-03	-1.57E-02	-5.23E-04	-9.47E+00	-7.89E-02
173	370998	756998	Offsite Worker	-6.89E+00	-3.13E-04	-2.86E-03	-1.43E-02	-1.94E-01	-9.25E-04	-1.42E-02	-1.42E-04	-1.72E-02	-2.86E-02	-1.09E-02	-1.81E-03	-1.66E-02	-5.54E-04	-9.96E+00	-8.30E-02
174	371057	756997	Offsite Worker	-4.99E+00	-2.27E-04	-2.98E-03	-1.49E-02	-1.99E-01	-9.48E-04	-1.47E-02	-1.47E-04	-1.79E-02	-2.98E-02	-1.13E-02	-1.88E-03	-1.73E-02	-5.76E-04	-1.03E+01	-8.62E-02
175	371153	756997	Offsite Worker	-4.81E+00	-2.18E-04	-2.29E-03	-1.15E-02	-1.52E-01	-7.24E-04	-1.12E-02	-1.12E-04	-1.37E-02	-2.29E-02	-8.67E-03	-1.44E-03	-1.33E-02	-4.43E-04	-7.95E+00	-6.63E-02
176	371249	756997	Offsite Worker	-5.26E+00	-2.39E-04	-2.28E-03	-1.14E-02	-1.46E-01	-6.97E-04	-1.11E-02	-1.11E-04	-1.37E-02	-2.28E-02	-8.60E-03	-1.43E-03	-1.33E-02	-4.42E-04	-7.89E+00	-6.58E-02
177	371345	756997	Offsite Worker	-5.01E+00	-2.28E-04	-1.87E-03	-9.36E-03	-1.07E-01	-5.08E-04	-8.88E-03	-8.88E-05	-1.12E-02	-1.87E-02	-6.95E-03	-1.16E-03	-1.09E-02	-3.62E-04	-6.38E+00	-5.32E-02
178	371440	756997	Offsite Worker	-2.67E+00	-1.21E-04	-1.79E-03	-8.96E-03	-1.02E-01	-4.84E-04	-8.42E-03	-8.42E-05	-1.07E-02	-1.79E-02	-6.65E-03	-1.11E-03	-1.04E-02	-3.46E-04	-6.11E+00	-5.09E-02
179	371536	756997	Offsite Worker	-1.15E+00	-5.22E-05	-1.84E-03	-9.18E-03	-1.06E-01	-5.07E-04	-8.63E-03	-8.63E-05	-1.10E-02	-1.84E-02	-6.83E-03	-1.14E-03	-1.06E-02	-3.55E-04	-6.27E+00	-5.23E-02
180	371632	756997	Offsite Worker	2.57E-01	1.17E-05	-1.76E-03	-8.79E-03	-1.06E-01	-5.03E-04	-8.29E-03	-8.29E-05	-1.06E-02	-1.76E-02	-6.57E-03	-1.10E-03	-1.02E-02	-3.40E-04	-6.03E+00	-5.03E-02
181	371728	756997	Offsite Worker	8.61E-01	3.91E-05	-1.46E-03	-7.29E-03	-9.30E-02	-4.43E-04	-6.90E-03	-6.90E-05	-8.75E-03	-1.46E-02	-5.49E-03	-9.15E-04	-8.46E-03	-2.82E-04	-5.04E+00	-4.20E-02
182	371824	756997	Offsite Worker	2.43E-01	1.10E-05	-1.35E-03	-6.76E-03	-8.22E-02	-3.91E-04	-6.34E-03	-6.34E-05	-8.11E-03	-1.35E-02	-5.06E-03	-8.43E-04	-7.84E-03	-2.61E-04	-4.64E+00	-3.87E-02
183	371920	756997	Offsite Worker	7.05E-01	3.21E-05	-2.04E-04	-1.02E-03	1.06E-02	5.03E-05	-1.89E-04	-1.89E-06	-1.22E-03	-2.04E-03	-5.98E-04	-9.96E-05	-1.18E-03	-3.93E-05	-5.51E-01	-4.60E-03
184	372016	756997	Offsite Worker	1.87E+00	8.50E-05	3.70E-04	1.85E-03	4.88E-02	2.32E-04	2.76E-03	2.76E-05	2.22E-03	3.70E-03	1.57E-03	2.62E-04	2.14E-03	7.15E-05	1.44E+00	1.20E-02
185	372111	756997	Offsite Worker	5.00E+00	2.27E-04	8.13E-04	4.06E-03	6.81E-02	3.24E-04	4.97E-03	4.97E-05	4.88E-03	8.13E-03	3.17E-03	5.29E-04	4.71E-03	1.57E-04	2.91E+00	2.43E-02
186	372207	756997	Offsite Worker	1.91E+00	8.70E-05	2.30E-04	1.15E-03	2.13E-02	1.02E-04	1.79E-03	1.79E-05	1.38E-03	2.30E-03	9.12E-04	1.52E-04	1.33E-03	4.44E-05	8.36E-01	6.97E-03
187	372303	756997	Offsite Worker	3.20E+00	1.45E-04	4.39E-04	2.19E-03	4.27E-02	2.03E-04	2.99E-03	2.99E-05	2.63E-03	4.39E-03	1.76E-03	2.93E-04	2.54E-03	8.48E-05	1.61E+00	1.34E-02
188	372399	756997	Offsite Worker	5.07E+00	2.30E-04	8.87E-04	4.43E-03	7.62E-02	3.63E-04	5.36E-03	5.36E-05	5.32E-03	8.87E-03	3.48E-03	5.80E-04	5.14E-03	1.71E-04	3.19E+00	2.66E-02
189	372495	756997	Offsite Worker	1.04E+01	4.72E-04	2.19E-03	1.10E-02	1.73E-01	8.22E-04	1.23E-02	1.23E-04	1.32E-02	2.19E-02	8.49E-03	1.42E-03	1.27E-02	4.24E-04	7.79E+00	6.49E-02
190	372591	756997	Offsite Worker	1.08E+01	4.91E-04	2.32E-03	1.16E-02	1.84E-01	8.75E-04	1.29E-02	1.29E-04	1.39E-02	2.32E-02	9.00E-03	1.50E-03	1.35E-02	4.49E-04	8.25E+00	6.88E-02
191	372610	757063	Offsite Worker	1.00E+01	4.55E-04	2.28E-03	1.14E-02	1.78E-01	8.46E-04	1.26E-02	1.26E-04	1.37E-02	2.28E-02	8.80E-03	1.47E-03	1.32E-02	4.40E-04	8.07E+00	6.73E-02
192	372612	757132	Offsite Worker	3.87E+00	1.76E-04	7.33E-04	3.66E-03	6.70E-02	3.19E-04	4.43E-03	4.43E-05	4.40E-03	7.33E-03	2.90E-03	4.84E-04	4.25E-03	1.42E-04	2.66E+00	2.22E-02
193	372614	757201	Offsite Worker	-1.02E+00	-4.62E-05	-6.99E-04	-3.50E-03	-4.08E-02	-1.94E-04	-3.21E-03	-3.21E-05	-4.20E-03	-6.99E-03	-2.61E-03	-4.34E-04	-4.06E-03	-1.35E-04	-2.39E+00	-1.99E-02
194	372616	757270	Offsite Worker	4.95E-01	2.25E-05	-3.58E-04	-1.79E-03	-1.53E-02	-7.27E-05	-1.34E-03	-1.34E-05	-2.15E-03	-3.58E-03	-1.29E-03	-2.16E-04	-2.08E-03	-6.92E-05	-1.19E+00	-9.90E-03
195	372627	757351	Offsite Worker	1.34E+00	6.10E-05	-1.23E-04	-6.14E-04	-3.74E-03	-1.78E-05	-1.38E-04	-1.38E-06	-7.37E-04	-1.23E-03	-4.33E-04	-7.22E-05	-7.12E-04	-2.37E-05	-3.98E-01	-3.32E-03

Table 3-6B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Maximum Range
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m^3)	xylene, total Acute Hazard	arsenic (µg/m^3)	arsenic Acute Hazard	chlorine (µg/m^3)	chlorine Acute Hazard	copper (µg/m^3)	copper Acute Hazard	mercury (µg/m^3)	mercury Acute Hazard	nickel (µg/m^3)	nickel Acute Hazard	vanadium (µg/m^3)	vanadium Acute Hazard	sulfates (µg/m^3)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
196	372651	757422	Offsite Worker	1.24E+00	5.66E-05	-1.85E-04	-9.25E-04	-6.97E-03	-3.32E-05	-4.85E-04	-4.85E-06	-1.11E-03	-1.85E-03	-6.62E-04	-1.10E-04	-1.07E-03	-3.58E-05	-6.08E-01	-5.06E-03
197	372676	757494	Offsite Worker	1.12E+00	5.08E-05	-5.88E-04	-2.94E-03	-3.87E-02	-1.84E-04	-2.61E-03	-2.61E-05	-3.53E-03	-5.88E-03	-2.22E-03	-3.70E-04	-3.41E-03	-1.14E-04	-2.04E+00	-1.70E-02
198	372704	757569	Offsite Worker	1.92E-01	8.71E-06	-8.98E-04	-4.49E-03	-6.33E-02	-3.01E-04	-4.27E-03	-4.27E-05	-5.39E-03	-8.98E-03	-3.42E-03	-5.70E-04	-5.21E-03	-1.74E-04	-3.14E+00	-2.62E-02
199	372733	757645	Offsite Worker	-6.67E-01	-3.03E-05	-9.74E-04	-4.87E-03	-6.97E-02	-3.32E-04	-4.73E-03	-4.73E-05	-5.84E-03	-9.74E-03	-3.72E-03	-6.20E-04	-5.65E-03	-1.88E-04	-3.41E+00	-2.84E-02
200	372746	757702	Offsite Worker	-1.20E+00	-5.44E-05	-8.78E-04	-4.39E-03	-6.35E-02	-3.02E-04	-4.27E-03	-4.27E-05	-5.27E-03	-8.78E-03	-3.36E-03	-5.60E-04	-5.09E-03	-1.70E-04	-3.08E+00	-2.57E-02
201	372746	757768	Offsite Worker	-1.50E+00	-6.82E-05	-1.05E-03	-5.24E-03	-7.76E-02	-3.69E-04	-5.18E-03	-5.18E-05	-6.28E-03	-1.05E-02	-4.02E-03	-6.70E-04	-6.07E-03	-2.02E-04	-3.69E+00	-3.07E-02
202	372807	757781	Offsite Worker	-1.35E+00	-6.12E-05	-9.44E-04	-4.72E-03	-6.85E-02	-3.26E-04	-4.64E-03	-4.64E-05	-5.66E-03	-9.44E-03	-3.61E-03	-6.02E-04	-5.47E-03	-1.82E-04	-3.31E+00	-2.76E-02
203	372901	757782	Offsite Worker	-9.42E-01	-4.28E-05	-5.26E-04	-2.63E-03	-2.87E-02	-1.37E-04	-2.39E-03	-2.39E-05	-3.15E-03	-5.26E-03	-1.94E-03	-3.24E-04	-3.05E-03	-1.02E-04	-1.78E+00	-1.49E-02
204	372994	757783	Offsite Worker	-5.47E-01	-2.49E-05	-8.26E-04	-4.13E-03	-4.86E-02	-2.31E-04	-3.93E-03	-3.93E-05	-4.96E-03	-8.26E-03	-3.08E-03	-5.13E-04	-4.79E-03	-1.60E-04	-2.83E+00	-2.36E-02
205	373087	757783	Offsite Worker	-1.05E-01	-4.76E-06	-9.22E-04	-4.61E-03	-5.52E-02	-2.63E-04	-4.38E-03	-4.38E-05	-5.53E-03	-9.22E-03	-3.44E-03	-5.74E-04	-5.35E-03	-1.78E-04	-3.16E+00	-2.63E-02
206	373180	757784	Offsite Worker	1.48E-01	6.73E-06	-9.58E-04	-4.79E-03	-5.73E-02	-2.73E-04	-4.55E-03	-4.55E-05	-5.75E-03	-9.58E-03	-3.58E-03	-5.97E-04	-5.56E-03	-1.85E-04	-3.28E+00	-2.74E-02
207	373274	757785	Offsite Worker	2.39E-01	1.09E-05	-9.02E-04	-4.51E-03	-5.22E-02	-2.48E-04	-4.26E-03	-4.26E-05	-5.41E-03	-9.02E-03	-3.36E-03	-5.60E-04	-5.23E-03	-1.74E-04	-3.08E+00	-2.57E-02
208	373367	757786	Offsite Worker	3.19E-01	1.45E-05	-8.09E-04	-4.05E-03	-4.67E-02	-2.23E-04	-3.78E-03	-3.78E-05	-4.85E-03	-8.09E-03	-3.01E-03	-5.02E-04	-4.69E-03	-1.56E-04	-2.76E+00	-2.30E-02
209	373418	757742	Offsite Worker	1.75E+00	7.96E-05	-6.20E-05	-3.10E-04	6.40E-03	3.05E-05	1.47E-04	1.47E-06	-3.72E-04	-6.20E-04	-1.59E-04	-2.66E-05	-3.59E-04	-1.20E-05	-1.47E-01	-1.23E-03
210	373418	757653	Offsite Worker	2.39E+00	1.09E-04	1.72E-05	8.60E-05	1.74E-02	8.30E-05	6.42E-04	6.42E-06	1.03E-04	1.72E-04	1.81E-04	3.02E-05	9.97E-05	3.32E-06	1.64E-01	1.37E-03
211	373419	757564	Offsite Worker	5.67E-01	2.58E-05	-4.65E-04	-2.33E-03	-1.69E-02	-8.03E-05	-1.90E-03	-1.90E-05	-2.79E-03	-4.65E-03	-1.66E-03	-2.77E-04	-2.70E-03	-9.00E-05	-1.52E+00	-1.27E-02
212	373419	757475	Offsite Worker	-4.73E-01	-2.15E-05	-5.73E-04	-2.87E-03	-3.63E-02	-1.73E-04	-2.70E-03	-2.70E-05	-3.44E-03	-5.73E-03	-2.15E-03	-3.59E-04	-3.32E-03	-1.11E-04	-1.98E+00	-1.65E-02
213	373420	757386	Offsite Worker	-4.68E-01	-2.13E-05	-5.41E-04	-2.71E-03	-2.94E-02	-1.40E-04	-2.47E-03	-2.47E-05	-3.25E-03	-5.41E-03	-2.00E-03	-3.33E-04	-3.14E-03	-1.05E-04	-1.84E+00	-1.53E-02
214	373420	757297	Offsite Worker	-5.53E-01	-2.51E-05	-6.51E-04	-3.25E-03	-3.73E-02	-1.78E-04	-3.02E-03	-3.02E-05	-3.91E-03	-6.51E-03	-2.42E-03	-4.03E-04	-3.78E-03	-1.26E-04	-2.22E+00	-1.85E-02
215	373421	757207	Offsite Worker	-5.92E-01	-2.69E-05	-8.28E-04	-4.14E-03	-5.56E-02	-2.65E-04	-4.01E-03	-4.01E-05	-4.97E-03	-8.28E-03	-3.14E-03	-5.23E-04	-4.80E-03	-1.60E-04	-2.88E+00	-2.40E-02
216	373421	757118	Offsite Worker	-1.07E+00	-4.86E-05	-8.95E-04	-4.47E-03	-6.33E-02	-3.02E-04	-4.36E-03	-4.36E-05	-5.37E-03	-8.95E-03	-3.41E-03	-5.69E-04	-5.19E-03	-1.73E-04	-3.13E+00	-2.61E-02
217	373292	757117	Offsite Worker	-8.60E-01	-3.91E-05	-9.04E-04	-4.52E-03	-6.52E-02	-3.10E-04	-4.40E-03	-4.40E-05	-5.42E-03	-9.04E-03	-3.46E-03	-5.76E-04	-5.24E-03	-1.75E-04	-3.17E+00	-2.64E-02
218	373213	757118	Offsite Worker	-6.30E-01	-2.87E-05	-7.91E-04	-3.96E-03	-5.55E-02	-2.64E-04	-3.80E-03	-3.80E-05	-4.75E-03	-7.91E-03	-3.01E-03	-5.02E-04	-4.59E-03	-1.53E-04	-2.77E+00	-2.30E-02
219	373158	757066	Offsite Worker	-7.41E-01	-3.37E-05	-8.41E-04	-4.20E-03	-6.09E-02	-2.90E-04	-4.05E-03	-4.05E-05	-5.05E-03	-8.41E-03	-3.22E-03	-5.36E-04	-4.88E-03	-1.63E-04	-2.95E+00	-2.46E-02
220	373084	757026	Offsite Worker	-7.14E-01	-3.24E-05	-8.37E-04	-4.19E-03	-6.06E-02	-2.88E-04	-4.02E-03	-4.02E-05	-5.02E-03	-8.37E-03	-3.20E-03	-5.34E-04	-4.86E-03	-1.62E-04	-2.94E+00	-2.45E-02
221	373009	757011	Offsite Worker	-5.11E-01	-2.32E-05	-7.34E-04	-3.67E-03	-5.12E-02	-2.44E-04	-3.45E-03	-3.45E-05	-4.40E-03	-7.34E-03	-2.79E-03	-4.66E-04	-4.26E-03	-1.42E-04	-2.56E+00	-2.14E-02
222	372922	757009	Offsite Worker	-1.48E-01	-6.73E-06	-6.24E-04	-3.12E-03	-4.29E-02	-2.04E-04	-2.84E-03	-2.84E-05	-3.74E-03	-6.24E-03	-2.37E-03	-3.95E-04	-3.62E-03	-1.21E-04	-2.17E+00	-1.81E-02
223	372835	757007	Offsite Worker	-4.85E-01	-2.21E-05	-5.86E-04	-2.93E-03	-4.00E-02	-1.90E-04	-2.60E-03	-2.60E-05	-3.52E-03	-5.86E-03	-2.22E-03	-3.71E-04	-3.40E-03	-1.13E-04	-2.04E+00	-1.70E-02
224	372747	757006	Offsite Worker	7.37E-01	3.35E-05	-4.34E-04	-2.17E-03	-2.40E-02	-1.14E-04	-1.78E-03	-1.78E-05	-2.60E-03	-4.34E-03	-1.61E-03	-2.68E-04	-2.52E-03	-8.39E-05	-1.47E+00	-1.23E-02
225	372660	757004	Offsite Worker	5.97E+00	2.71E-04	1.05E-03	5.27E-03	9.49E-02	4.52E-04	6.23E-03	6.23E-05	6.32E-03	1.05E-02	4.16E-03	6.94E-04	6.11E-03	2.04E-04	3.82E+00	3.18E-02
226	372651	757063	Offsite Worker	9.92E+00	4.51E-04	2.25E-03	1.12E-02	1.76E-01	8.39E-04	1.25E-02	1.25E-04	1.35E-02	2.25E-02	8.70E-03	1.45E-03	1.30E-02	4.35E-04	7.98E+00	6.65E-02
227	372629	756931	Offsite Worker	2.46E+00	1.12E-04	-5.07E-05	-2.54E-04	8.05E-03	3.83E-05	2.97E-04	2.97E-06	-3.04E-04	-5.07E-04	-1.10E-04	-1.84E-05	-2.94E-04	-9.81E-06	-1.03E-01	-8.56E-04
228	372631	756857	Offsite Worker	2.47E+00	1.12E-04	1.69E-04	8.44E-04	1.95E-02	9.30E-05	1.40E-03	1.40E-05	1.01E-03	1.69E-03	6.98E-04	1.16E-04	9.79E-04	3.26E-05	6.40E-01	5.33E-03
229	372634	756783	Offsite Worker	1.80E+00	8.18E-05	-1.59E-04	-7.94E-04	-7.46E-03	-3.55E-05	-3.45E-04	-3.45E-06	-9.52E-04	-1.59E-03	-5.78E-04	-9.64E-05	-9.21E-04	-3.07E-05	-5.31E-01	-4.43E-03
230	372702	756778	Offsite Worker	1.33E+00	6.04E-05	-3.21E-04	-1.61E-03	-2.13E-02	-1.01E-04	-1.18E-03	-1.18E-05	-1.93E-03	-3.21E-03	-1.22E-03	-2.03E-04	-1.86E-03	-6.21E-05	-1.11E+00	-9.29E-03
231	372756	756775	Offsite Worker	1.16E+00	5.28E-05	-3.06E-04	-1.53E-03	-2.10E-02	-9.99E-05	-1.12E-03	-1.12E-05	-1.84E-03	-3.06E-03	-1.16E-03	-1.94E-04	-1.77E-03	-5.91E-05	-1.07E+00	-8.88E-03
232	372729	756712	Offsite Worker	2.29E+00	1.04E-04	-3.90E-05	-1.95E-04	7.82E-04	3.73E-06	4.08E-04	4.08E-06	-2.34E-04	-3.90E-04	-1.23E-04	-2.05E-05	-2.26E-04	-7.53E-06	-1.14E-01	-9.46E-04
233	372703	756650	Offsite Worker	1.66E+00	7.52E-05	-2.19E-04	-1.09E-03	-1.35E-02	-6.43E-05	-5.18E-04	-5.18E-06	-1.31E-03	-2.19E-03	-8.20E-04	-1.37E-04	-1.27E-03	-4.23E-05	-7.53E-01	-6.27E-03
234	372677	756588	Offsite Worker	2.10E+00	9.54E-05	-1.16E-04	-5.81E-04	-8.44E-03	-4.02E-05	4.25E-05	4.25E-07	-6.97E-04	-1.16E-03	-4.44E-04	-7.41E-05	-6.74E-04	-2.25E-05	-4.08E-01	-3.40E-03
235	372619	756588	Offsite Worker	1.75E+00	7.96E-05	1.89E-04	9.47E-04	1.58E-02	7.53E-05	1.69E-03	1.69E-05	1.14E-03	1.89E-03	7.40E-04	1.23E-04	1.10E-03	3.66E-05	6.78E-01	5.65E-03
236	372622	756509	Offsite Worker	4.44E-01	2.02E-05	-3.54E-04	-1.77E-03	-2.26E-02	-1.07E-04	-8.63E-04	-8.63E-06	-2.12E-03	-3.54E-03	-1.33E-03	-2.22E-04	-2.05E-03	-6.83E-05	-1.22E+00	-1.02E-02
237	372700	756511	Offsite Worker	4.75E-01	2.16E-05	-6.71E-04	-3.35E-03	-5.08E-02	-2.42E-04	-3.14E-03	-3.14E-05	-4.02E-03	-6.71E-03	-2.58E-03	-4.30E-04	-3.89E-03	-1.30E-04	-2.37E+00	-1.97E-02
238	372789	756510	Offsite Worker	1.15E-01	5.24E-06	-5.24E-04	-2.62E-03	-3.72E-02	-1.77E-04	-2.34E-03	-2.34E-05	-3.15E-03	-5.24E-03	-2.00E-03	-3.33E-04	-3.04E-03	-1.01E-04	-1.84E+00	-1.53E-02
239	372871	756509	Offsite Worker	-2.96E-01	-1.35E-05	-5.34E-04	-2.67E-03	-3.47E-02	-1.65E-04	-2.31E-03	-2.31E-05	-3.21E-03	-5.34E-03	-2.02E-03	-3.36E-04	-3.10E-03	-1.03E-04	-1.85E+00	-1.54E-02
240	372871	756437	Offsite Worker	-1.16E+00	-5.27E-05	-1.16E-03	-5.82E-03	-7.48E-02	-3.56E-04	-5.31E-03	-5.31E-05	-6.98E-03	-1.16E-02	-4.38E-03	-7.31E-04	-6.75E-03	-2.25E-04	-4.02E+00	-3.35E-02
241	372970	756437	Offsite Worker	-9.65E-01	-4.39E-05	-1.46E-03	-7.29E-03	-9.58E-02	-4.56E-04	-6.87E-03	-6.87E-05	-8.75E-03	-1.46E-02	-5.51E-03	-9.19E-04	-8.46E-03	-2.82E-04	-5.06E+00	-4.21E-02
242	373069	756437	Offsite Worker	-9.44E-01	-4.29E-05	-1.32E-03	-6.59E-03	-8.93E-02	-4.25E-04	-6.27E-03	-6.27E-05	-7.91E-03	-1.32E-02	-5.00E-03	-8.33E-04	-7.64E-03	-2.55E-04	-4.59E+00	-3.82E-02
243	373168	756437	Offsite Worker	-9.07E-01	-4.12E-05	-9.44E-04	-4.72E-03	-6.73E-02	-3.21E-04	-4.48E-03	-4.48E-05	-5.66E-03	-9.44E-03	-3.60E-03	-6.01E-04	-5.47E-03	-1.82E-04	-3.31E+00	-2.75E-02
244	373267	756437	Offsite Worker	-8.31E-01	-3.78E-05	-8.83E-04	-4.41E-03	-6.25E-02	-2.98E-04	-4.17E-03	-4.17E-05	-5.30E-03	-8.83E-03	-3.37E-03	-5.61E-04	-5.12E-03	-1.71E-04	-3.09E+00	-2.57E-02
245	373412	756437	Offsite Worker	-5.25E-01	-2.39E-05	-7.90E-04	-3.95E-03	-5.57E-02	-2.65E-04	-3.71E-03	-3.71E-05	-4.74E-03	-7.90E-03	-3.01E-03	-5.02E-04	-4.58E-03	-1.53E-04	-2.76E+00	-2.30E-02
246	373409	756339	Offsite Worker	-1.66E+00	-7.56E-05	-1.42E-03	-7.11E-03	-9.79E-02	-4.66E-04	-6.94E-03	-6.94E-05	-8.53E-03	-1.42E-02	-5.40E-03	-9.00E-04	-8.24E-03	-2.75E-04	-4.95E+00	-4.13E-02
247	373406	756240	Offsite Worker	-2.03E+00	-9.24E-05	-1.34E-03	-6.69E-03	-8.69E-02	-4.14E-04	-6.37E-03	-6.37E-05	-8.03E-03	-1.34E-02	-5.05E-03	-8.41E-04	-7.76E-03	-2.59E-04	-4.63E+00	-3.86E-02
248	373403	756142	Offsite Worker	-8.65E-01	-3.93E-05	-8.23E-04	-4.11E-03	-5.35E-02	-2.55E-04	-3.66E-03	-3.66E-05	-4.94E-03	-8.23E-03	-3.10E-03	-5.17E-04	-4.77E-03	-1.59E-04	-2.85E+00	-2.37E-02
249	373400	756042	Offsite Worker	-1.26E+00	-5.73E-05	-1.20E-03	-6.02E-03	-1.01E-01	-4.82E-04	-5.86E-03	-5.86E-05	-7.23E-03	-1.20E-02	-4.71E-03	-7.85E-04	-6.99E-03	-2.33E-04	-4.32E+00	-3.60E-02
250	373397	755944	Offsite Worker	-1.71E+00	-7.77E-05	-1.22E-03	-6.10E-03	-1.10E-01	-5.25E-04	-6.19E-03	-6.19E-05	-7.31E-03	-1.22E-02	-4.82E-03	-8.03E-04	-7.07E-03	-2.36E-04	-4.42E+00	-3.68E-02
251	373393	755846	Offsite Worker	-1.72E+00	-7.80E-05	-1.56E-03	-7.78E-03	-1.23E-01	-5.87E-04	-7.74E-03	-7.74E-05	-9.34E-03	-1.56E-02	-6.03E-03	-1.01E-03	-9.03E-03	-3.01E-04	-5.53E+00	-4.61E-02
252	373390	755747	Offsite Worker	-2.02E+00	-9.16E-05	-1.45E-03	-7.23E-03	-1.05E-01	-5.01E-04	-7.06E-03	-7.06E-05	-8.68E-03	-1.45E-02	-5.54E-03	-9.23E-04	-8.39E-03	-2.80E-04	-5.08E+00	-4.23E-02
253	373309	755744	Offsite Worker	-2.09E+00	-9.51E-05	-1.47E-03	-7.36E-03	-1.06E-01	-5.06E-04	-7.17E-03	-7.17E-05	-8.83E-03	-1.47E-02	-5.63E-03	-9.38E-04	-8.54E-03	-2.85E-04	-5.16E+00	-4.30E-02
254	373229	755743	Offsite Worker	-2.05E+00	-9.30E-05	-1.51E-03	-7.57E-03	-1.09E-01	-5.19E-04	-7.36E-03	-7.36E-05	-9.09E-03	-1.51E-02	-5.79E-03	-9.65E-04	-8.79E-03	-2.93E-04	-5.31E+00	-4.43E-02
255	373143	755741	Offsite Worker	-1.81E+00	-8.23E-05	-1.60E-03	-7.98E-03	-1.18E-01	-5.61E-04	-7.79E-03	-7.79E-05	-9.58E-03	-1.60E-02	-6.12E-03	-1.02E-03	-9.26E-03	-3.09E-04	-5.62E+00	-4.68E-02
256	373143	755823	Offsite Worker	-2.46E+00	-1.12E-04	-1.57E-03	-7.87E-03	-1.22E-01	-5.83E-04	-7.78E-03	-7.78E-05	-9.44E-03	-1.57E-02	-6.08E-03	-1.01E-03	-9.13E-03	-3.04E-04	-5.58E+00	-4.65E-02
257	373143	755906	Offsite Worker	-2.51E+00	-1.14E-04	-1.40E-03	-7.00E-03	-1.27E-01	-6.04E-04	-7.09E-03	-7.09E-05	-8.40E-03	-1.40E-02	-5.54E-03	-9.23E-04	-8.12E-03	-2.71E-04	-5.07E+00	-4.23E-02
258	373065	755906	Offsite Worker	-2.85E+00	-1.30E-04	-1.41E-03	-7.04E-03	-1.28E-01	-6.12E-04	-7.14E-03	-7.14E-05	-8.45E-03	-1.41E-02	-5.58E-03	-9.30E-04	-8.17E-03	-2.72E-04	-5.11E+00	-4.26E-02
259	373065	755827	Offsite Worker	-2.55E+00	-1.16E-04	-1.69E-03	-8.44E-03	-1.39E-01	-6.62E-04	-8.42E-03	-8.42E-05	-1.01E-02	-1.69E-02	-6.58E-03	-1.10E-03	-9.79E-03	-3.26E-04	-6.03E+00	-5.02E-02
260	373068	755733	Offsite Worker	-1.73E+00	-7.87E-05	-1.62E-03	-8.11E-03	-1.16E-01	-5.50E-04	-7.87E-03	-7.87E-05	-9.74E-03	-1.62E-02	-6.19E-03	-1.03E-03	-9.41E-03	-3.14E-04	-5.68E+00	-4.74E-02

Table 3-6B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Maximum Range
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m^3)	xylene, total Acute Hazard	arsenic (µg/m^3)	arsenic Acute Hazard	chlorine (µg/m^3)	chlorine Acute Hazard	copper (µg/m^3)	copper Acute Hazard	mercury (µg/m^3)	mercury Acute Hazard	nickel (µg/m^3)	nickel Acute Hazard	vanadium (µg/m^3)	vanadium Acute Hazard	sulfates (µg/m^3)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
261	373007	755733	Offsite Worker	-1.77E+00	-8.05E-05	-1.62E-03	-8.12E-03	-1.14E-01	-5.41E-04	-7.85E-03	-7.85E-05	-9.74E-03	-1.62E-02	-6.18E-03	-1.03E-03	-9.42E-03	-3.14E-04	-5.67E+00	-4.73E-02
262	372941	755733	Offsite Worker	-1.93E+00	-8.77E-05	-1.71E-03	-8.53E-03	-1.18E-01	-5.64E-04	-8.26E-03	-8.26E-05	-1.02E-02	-1.71E-02	-6.49E-03	-1.08E-03	-9.90E-03	-3.30E-04	-5.95E+00	-4.96E-02
263	372941	755636	Offsite Worker	-1.43E+00	-6.51E-05	-1.73E-03	-8.65E-03	-1.14E-01	-5.41E-04	-8.39E-03	-8.39E-05	-1.04E-02	-1.73E-02	-6.54E-03	-1.09E-03	-1.00E-02	-3.34E-04	-6.00E+00	-5.00E-02
264	372941	755539	Offsite Worker	-1.82E+00	-8.28E-05	-1.84E-03	-9.18E-03	-1.27E-01	-6.05E-04	-9.09E-03	-9.09E-05	-1.10E-02	-1.84E-02	-6.98E-03	-1.16E-03	-1.07E-02	-3.55E-04	-6.41E+00	-5.34E-02
265	372941	755442	Offsite Worker	-1.52E+00	-6.92E-05	-2.50E-03	-1.25E-02	-1.73E-01	-8.23E-04	-1.25E-02	-1.25E-04	-1.50E-02	-2.50E-02	-9.50E-03	-1.58E-03	-1.45E-02	-4.83E-04	-8.71E+00	-7.26E-02
266	372913	755342	Offsite Worker	-1.99E+00	-9.02E-05	-3.75E-03	-1.88E-02	-2.62E-01	-1.25E-03	-1.89E-02	-1.89E-04	-2.25E-02	-3.75E-02	-1.43E-02	-2.38E-03	-2.18E-02	-7.26E-04	-1.31E+01	-1.09E-01
267	372817	755346	Offsite Worker	-2.53E+00	-1.15E-04	-4.68E-03	-2.34E-02	-3.26E-01	-1.55E-03	-2.36E-02	-2.36E-04	-2.81E-02	-4.68E-02	-1.78E-02	-2.97E-03	-2.71E-02	-9.04E-04	-1.63E+01	-1.36E-01
268	372720	755349	Offsite Worker	-3.39E+00	-1.54E-04	-7.05E-03	-3.53E-02	-4.88E-01	-2.32E-03	-3.56E-02	-3.56E-04	-4.23E-02	-7.05E-02	-2.68E-02	-4.47E-03	-4.09E-02	-1.36E-03	-2.46E+01	-2.05E-01
269	372624	755352	Offsite Worker	-4.66E+00	-2.12E-04	-1.02E-02	-5.08E-02	-7.04E-01	-3.35E-03	-5.15E-02	-5.15E-04	-6.10E-02	-1.02E-01	-3.87E-02	-6.44E-03	-5.90E-02	-1.97E-03	-3.55E+01	-2.96E-01
270	372527	755349	Offsite Worker	-4.84E+00	-2.20E-04	-7.08E-03	-3.54E-02	-4.95E-01	-2.36E-03	-3.58E-02	-3.58E-04	-4.25E-02	-7.08E-02	-2.69E-02	-4.49E-03	-4.10E-02	-1.37E-03	-2.47E+01	-2.06E-01
271	372431	755353	Offsite Worker	-4.03E+00	-1.83E-04	-6.39E-03	-3.20E-02	-4.44E-01	-2.12E-03	-3.23E-02	-3.23E-04	-3.84E-02	-6.39E-02	-2.43E-02	-4.06E-03	-3.71E-02	-1.24E-03	-2.23E+01	-1.86E-01
272	372334	755356	Offsite Worker	-3.32E+00	-1.51E-04	-6.13E-03	-3.07E-02	-4.25E-01	-2.02E-03	-3.10E-02	-3.10E-04	-3.68E-02	-6.13E-02	-2.33E-02	-3.89E-03	-3.56E-02	-1.19E-03	-2.14E+01	-1.78E-01
273	372237	755359	Offsite Worker	-3.67E+00	-1.67E-04	-6.10E-03	-3.05E-02	-4.26E-01	-2.03E-03	-3.08E-02	-3.08E-04	-3.66E-02	-6.10E-02	-2.32E-02	-3.87E-03	-3.54E-02	-1.18E-03	-2.13E+01	-1.78E-01
274	372141	755362	Offsite Worker	-2.63E+00	-1.20E-04	-1.10E-02	-5.51E-02	-7.66E-01	-3.65E-03	-5.58E-02	-5.58E-04	-6.61E-02	-1.10E-01	-4.19E-02	-6.98E-03	-6.39E-02	-2.13E-03	-3.84E+01	-3.20E-01
275	372044	755366	Offsite Worker	-2.31E+00	-1.05E-04	-1.11E-02	-5.53E-02	-7.73E-01	-3.68E-03	-5.61E-02	-5.61E-04	-6.63E-02	-1.11E-01	-4.21E-02	-7.02E-03	-6.41E-02	-2.14E-03	-3.86E+01	-3.22E-01
276	371948	755369	Offsite Worker	-1.63E+00	-7.42E-05	-5.96E-03	-2.98E-02	-4.18E-01	-1.99E-03	-3.01E-02	-3.01E-04	-3.58E-02	-5.96E-02	-2.27E-02	-3.79E-03	-3.46E-02	-1.15E-03	-2.08E+01	-1.74E-01
277	371851	755372	Offsite Worker	-3.10E+00	-1.41E-04	-4.96E-03	-2.48E-02	-3.51E-01	-1.67E-03	-2.51E-02	-2.51E-04	-2.98E-02	-4.96E-02	-1.89E-02	-3.15E-03	-2.88E-02	-9.59E-04	-1.73E+01	-1.45E-01
278	371755	755375	Offsite Worker	-5.22E+00	-2.37E-04	-5.10E-03	-2.55E-02	-3.62E-01	-1.72E-03	-2.58E-02	-2.58E-04	-3.06E-02	-5.10E-02	-1.95E-02	-3.25E-03	-2.96E-02	-9.87E-04	-1.79E+01	-1.49E-01
279	371658	755378	Offsite Worker	-6.93E+00	-3.15E-04	-5.00E-03	-2.50E-02	-3.53E-01	-1.68E-03	-2.53E-02	-2.53E-04	-3.00E-02	-5.00E-02	-1.91E-02	-3.18E-03	-2.90E-02	-9.66E-04	-1.75E+01	-1.46E-01
280	371562	755382	Offsite Worker	-5.22E+00	-2.37E-04	-4.14E-03	-2.07E-02	-2.91E-01	-1.39E-03	-2.09E-02	-2.09E-04	-2.49E-02	-4.14E-02	-1.58E-02	-2.63E-03	-2.40E-02	-8.01E-04	-1.45E+01	-1.21E-01
281	371465	755385	Offsite Worker	-4.17E+00	-1.90E-04	-3.26E-03	-1.63E-02	-2.28E-01	-1.09E-03	-1.64E-02	-1.64E-04	-1.95E-02	-3.26E-02	-1.24E-02	-2.07E-03	-1.89E-02	-6.30E-04	-1.14E+01	-9.48E-02
282	371368	755388	Offsite Worker	-3.47E+00	-1.58E-04	-2.48E-03	-1.24E-02	-1.75E-01	-8.32E-04	-1.24E-02	-1.24E-04	-1.49E-02	-2.48E-02	-9.44E-03	-1.57E-03	-1.44E-02	-4.79E-04	-8.66E+00	-7.22E-02
283	371272	755391	Offsite Worker	4.87E-03	2.22E-07	-2.12E-03	-1.06E-02	-1.54E-01	-7.32E-04	-1.05E-02	-1.05E-04	-1.27E-02	-2.12E-02	-8.10E-03	-1.35E-03	-1.23E-02	-4.09E-04	-7.43E+00	-6.19E-02
284	371175	755395	Offsite Worker	3.25E-02	1.48E-06	-2.21E-03	-1.10E-02	-1.62E-01	-7.69E-04	-1.10E-02	-1.10E-04	-1.33E-02	-2.21E-02	-8.47E-03	-1.41E-03	-1.28E-02	-4.27E-04	-7.76E+00	-6.47E-02
285	371079	755398	Offsite Worker	-2.45E+00	-1.11E-04	-2.38E-03	-1.19E-02	-1.75E-01	-8.35E-04	-1.20E-02	-1.20E-04	-1.43E-02	-2.38E-02	-9.12E-03	-1.52E-03	-1.38E-02	-4.60E-04	-8.37E+00	-6.97E-02
286	371042	755478	Offsite Worker	-2.32E+00	-1.05E-04	-2.44E-03	-1.22E-02	-1.81E-01	-8.64E-04	-1.23E-02	-1.23E-04	-1.46E-02	-2.44E-02	-9.37E-03	-1.56E-03	-1.42E-02	-4.72E-04	-8.59E+00	-7.16E-02
287	371009	755538	Offsite Worker	-1.17E+00	-5.32E-05	-2.17E-03	-1.08E-02	-1.66E-01	-7.91E-04	-1.09E-02	-1.09E-04	-1.30E-02	-2.17E-02	-8.35E-03	-1.39E-03	-1.26E-02	-4.19E-04	-7.66E+00	-6.38E-02
288	370975	755597	Offsite Worker	-6.12E-01	-2.78E-05	-2.44E-03	-1.22E-02	-1.81E-01	-8.61E-04	-1.21E-02	-1.21E-04	-1.46E-02	-2.44E-02	-9.36E-03	-1.56E-03	-1.41E-02	-4.72E-04	-8.59E+00	-7.15E-02
289	370925	755597	Offsite Worker	-1.67E+00	-7.60E-05	-2.62E-03	-1.31E-02	-1.91E-01	-9.08E-04	-1.30E-02	-1.30E-04	-1.57E-02	-2.62E-02	-1.00E-02	-1.67E-03	-1.52E-02	-5.07E-04	-9.21E+00	-7.68E-02
290	370860	755547	Offsite Worker	-4.78E+00	-2.17E-04	-3.07E-03	-1.53E-02	-2.23E-01	-1.06E-03	-1.53E-02	-1.53E-04	-1.84E-02	-3.07E-02	-1.18E-02	-1.96E-03	-1.78E-02	-5.93E-04	-1.08E+01	-8.98E-02
291	370796	755497	Offsite Worker	-3.98E+00	-1.81E-04	-3.95E-03	-1.97E-02	-2.76E-01	-1.31E-03	-1.97E-02	-1.97E-04	-2.37E-02	-3.95E-02	-1.50E-02	-2.51E-03	-2.29E-02	-7.63E-04	-1.38E+01	-1.15E-01
292	370733	755428	Offsite Worker	-1.64E+00	-7.44E-05	-3.41E-03	-1.70E-02	-2.40E-01	-1.14E-03	-1.70E-02	-1.70E-04	-2.04E-02	-3.41E-02	-1.30E-02	-2.16E-03	-1.98E-02	-6.59E-04	-1.19E+01	-9.93E-02
293	370634	755428	Offsite Worker	-4.96E+00	-2.25E-04	-4.33E-03	-2.16E-02	-3.04E-01	-1.45E-03	-2.16E-02	-2.16E-04	-2.60E-02	-4.33E-02	-1.65E-02	-2.75E-03	-2.51E-02	-8.36E-04	-1.51E+01	-1.26E-01
294	370536	755428	Offsite Worker	2.51E-01	1.14E-05	-5.45E-03	-2.72E-02	-3.74E-01	-1.78E-03	-2.70E-02	-2.70E-04	-3.27E-02	-5.45E-02	-2.07E-02	-3.45E-03	-3.16E-02	-1.05E-03	-1.90E+01	-1.58E-01
295	370437	755428	Offsite Worker	-3.90E+00	-1.77E-04	-6.09E-03	-3.05E-02	-4.25E-01	-2.03E-03	-3.05E-02	-3.05E-04	-3.66E-02	-6.09E-02	-2.32E-02	-3.87E-03	-3.53E-02	-1.18E-03	-2.13E+01	-1.77E-01
296	370338	755427	Offsite Worker	-3.49E+00	-1.59E-04	-5.32E-03	-2.66E-02	-3.71E-01	-1.77E-03	-2.64E-02	-2.64E-04	-3.19E-02	-5.32E-02	-2.02E-02	-3.37E-03	-3.09E-02	-1.03E-03	-1.86E+01	-1.55E-01
307	369249	755442	Offsite Worker	-8.85E-01	-4.02E-05	-2.11E-03	-1.05E-02	-1.46E-01	-6.94E-04	-1.04E-02	-1.04E-04	-1.27E-02	-2.11E-02	-8.02E-03	-1.34E-03	-1.22E-02	-4.08E-04	-7.36E+00	-6.13E-02
308	369151	755442	Offsite Worker	-6.44E-01	-2.93E-05	-1.85E-03	-9.27E-03	-1.25E-01	-5.94E-04	-9.07E-03	-9.07E-05	-1.11E-02	-1.85E-02	-7.02E-03	-1.17E-03	-1.08E-02	-3.58E-04	-6.44E+00	-5.37E-02
309	369052	755442	Offsite Worker	-1.33E+00	-6.02E-05	-1.55E-03	-7.76E-03	-9.79E-02	-4.66E-04	-7.48E-03	-7.48E-05	-9.31E-03	-1.55E-02	-5.83E-03	-9.72E-04	-9.00E-03	-3.00E-04	-5.35E+00	-4.46E-02
320	368035	755402	Offsite Worker	-3.38E-01	-1.53E-05	-1.57E-03	-7.83E-03	-1.12E-01	-5.34E-04	-7.76E-03	-7.76E-05	-9.39E-03	-1.57E-02	-5.98E-03	-9.97E-04	-9.08E-03	-3.03E-04	-5.49E+00	-4.57E-02
321	367960	755389	Offsite Worker	-3.04E-01	-1.38E-05	-1.59E-03	-7.93E-03	-1.14E-01	-5.45E-04	-7.89E-03	-7.89E-05	-9.51E-03	-1.59E-02	-6.06E-03	-1.01E-03	-9.20E-03	-3.07E-04	-5.56E+00	-4.63E-02
322	367863	755390	Offsite Worker	-1.10E-01	-4.99E-06	-1.51E-03	-7.55E-03	-1.13E-01	-5.36E-04	-7.55E-03	-7.55E-05	-9.06E-03	-1.51E-02	-5.80E-03	-9.67E-04	-8.76E-03	-2.92E-04	-5.32E+00	-4.43E-02
323	367766	755392	Offsite Worker	1.76E-01	8.00E-06	-1.31E-03	-6.53E-03	-9.84E-02	-4.69E-04	-6.53E-03	-6.53E-05	-7.83E-03	-1.31E-02	-5.02E-03	-8.37E-04	-7.57E-03	-2.52E-04	-4.61E+00	-3.84E-02
324	367669	755393	Offsite Worker	-4.30E-01	-1.95E-05	-1.05E-03	-5.24E-03	-8.02E-02	-3.82E-04	-5.22E-03	-5.22E-05	-6.28E-03	-1.05E-02	-4.04E-03	-6.73E-04	-6.07E-03	-2.02E-04	-3.70E+00	-3.09E-02
325	367572	755394	Offsite Worker	-1.06E+00	-4.80E-05	-9.48E-04	-4.74E-03	-7.24E-02	-3.45E-04	-4.71E-03	-4.71E-05	-5.69E-03	-9.48E-03	-3.65E-03	-6.09E-04	-5.50E-03	-1.83E-04	-3.35E+00	-2.79E-02
326	367475	755395	Offsite Worker	-1.50E+00	-6.83E-05	-1.07E-03	-5.36E-03	-7.99E-02	-3.81E-04	-5.37E-03	-5.37E-05	-6.44E-03	-1.07E-02	-4.12E-03	-6.87E-04	-6.22E-03	-2.07E-04	-3.78E+00	-3.15E-02
327	370400	756850	On-Site Occupational	-9.86E+00	-4.48E-04	-3.72E-03	-1.86E-02	-2.32E-01	-1.11E-03	-1.81E-02	-1.81E-04	-2.23E-02	-3.72E-02	-1.40E-02	-2.33E-03	-2.16E-02	-7.19E-04	-1.28E+01	-1.07E-01
1	367379	755396	Recreational	-1.58E+00	-7.19E-05	-1.06E-03	-5.30E-03	-7.94E-02	-3.78E-04	-5.31E-03	-5.31E-05	-6.36E-03	-1.06E-02	-4.08E-03	-6.79E-04	-6.15E-03	-2.05E-04	-3.74E+00	-3.12E-02
2	367340	755485	Recreational	-9.48E-01	-4.31E-05	-8.75E-04	-4.38E-03	-6.64E-02	-3.16E-04	-4.35E-03	-4.35E-05	-5.25E-03	-8.75E-03	-3.37E-03	-5.62E-04	-5.08E-03	-1.69E-04	-3.09E+00	-2.58E-02
3	367301	755573	Recreational	-1.77E+00	-8.04E-05	-9.25E-04	-4.62E-03	-7.07E-02	-3.36E-04	-4.59E-03	-4.59E-05	-5.55E-03	-9.25E-03	-3.56E-03	-5.94E-04	-5.36E-03	-1.79E-04	-3.27E+00	-2.72E-02
4	367263	755661	Recreational	-2.13E+00	-9.67E-05	-1.13E-03	-5.67E-03	-8.54E-02	-4.07E-04	-5.63E-03	-5.63E-05	-6.80E-03	-1.13E-02	-4.36E-03	-7.27E-04	-6.58E-03	-2.19E-04	-4.00E+00	-3.33E-02
5	367224	755749	Recreational	-1.35E+00	-6.15E-05	-1.00E-03	-5.02E-03	-7.21E-02	-3.43E-04	-4.92E-03	-4.92E-05	-6.03E-03	-1.00E-02	-3.84E-03	-6.40E-04	-5.83E-03	-1.94E-04	-3.52E+00	-2.93E-02
6	367186	755838	Recreational	4.17E-02	1.90E-06	-7.09E-04	-3.54E-03	-4.96E-02	-2.36E-04	-3.32E-03	-3.32E-05	-4.25E-03	-7.09E-03	-2.70E-03	-4.50E-04	-4.11E-03	-1.37E-04	-2.48E+00	-2.06E-02
7	367147	755926	Recreational	5.28E-01	2.40E-05	-4.19E-04	-2.10E-03	-2.61E-02	-1.24E-04	-1.77E-03	-1.77E-05	-2.51E-03	-4.19E-03	-1.57E-03	-2.62E-04	-2.43E-03	-8.10E-05	-1.44E+00	-1.20E-02
8	367109	756014	Recreational	3.17E-01	1.44E-05	-6.87E-04	-3.44E-03	-4.68E-02	-2.23E-04	-3.16E-03	-3.16E-05	-4.12E-03	-6.87E-03	-2.61E-03	-4.35E-04	-3.99E-03	-1.33E-04	-2.39E+00	-1.99E-02
9	367070	756103	Recreational	1.18E+00	5.39E-05	-9.76E-04	-4.88E-03	-6.62E-02	-3.15E-04	-4.62E-03	-4.62E-05	-5.86E-03	-9.76E-03	-3.70E-03	-6.17E-04	-5.66E-03	-1.89E-04	-3.40E+00	-2.83E-02
10	367032	756191	Recreational	1.66E+00	7.56E-05	-7.66E-04	-3.83E-03	-4.75E-02	-2.26E-04	-3.48E-03	-3.48E-05	-4.60E-03	-7.66E-03	-2.87E-03	-4.79E-04	-4.44E-03	-1.48E-04	-2.64E+00	-2.20E-02
11	366993	756279	Recreational	1.43E+00	6.49E-05	-9.98E-04	-4.99E-03	-6.53E-02	-3.11E-04	-4.70E-03	-4.70E-05	-5.99E-03	-9.98E-03	-3.77E-03	-6.28E-04	-5.79E-03	-1.93E-04	-3.46E+00	-2.88E-02
12	366954	756367	Recreational	1.21E+00	5.49E-05	-1.04E-03	-5.20E-03	-6.92E-02	-3.30E-04	-4.94E-03	-4.94E-05	-6.24E-03	-1.04E-02	-3.93E-03	-6.55E-04	-6.03E-03	-2.01E-04	-3.61E+00	-3.01E-02
13	366916	756456	Recreational	9.77E-01	4.44E-05	-8.93E-04	-4.46E-03	-5.97E-02	-2.84E-04	-4.25E-03	-4.25E-05	-5.36E-03	-8.93E-03	-3.38E-03	-5.63E-04	-5.18E-03	-1.73E-04	-3.10E+00	-2.58E-02
14	366877	756544	Recreational	-9.86E-02	-4.48E-06	-7.74E-04	-3.87E-03	-5.17E-02	-2.46E-04	-3.69E-03	-3.69E-05	-4.64E-03	-7.74E-03	-2.93E-03	-4.88E-04	-4.49E-03	-1.50E-04	-2.69E+00	-2.24E-02
15	366839	756632	Recreational	-7.98E-01	-3.63E-05	-9.59E-04	-4.80E-03	-6.73E-02	-3.21E-04	-4.68E-03	-4.68E-05	-5.76E-03	-9.59E-03	-3.65E-03	-6.09E-04	-5.56E-03	-1.85E-04	-3.35E+00	-2.79E-02
16	366800	756720	Recreational	-7.69E-01	-3.49E-05	-8.09E-04	-4.04E-03	-5.51E-02	-2.62E-04	-3.90E-03	-3.90E-05	-4.85E-03	-8.09E-03	-3.07E-03	-5.12E-04	-4.69E-03	-1.56E-04	-2.82E+00	-2.35E-02
17	366762	756809	Recreational	-1.46E-02	-6.62E-07	-5.77E-04	-2.88E-03	-3.78E-02	-1.80E-04	-2.69E-03	-2.69E-05	-3.46E-03	-5.77E-03	-2.18E-03	-3.63E-04	-3.35E-03	-1.12E-04	-2.00E+00	-1.67E-02
18	366723	756897	Recreational	4.87E-01	2.21E-05	-6.82E-04	-3.41E-03	-4.35E-02	-2.07E-04	-3.18E-03	-3.18E-05	-4.09E-03	-6.82E-03	-2.57E-03	-4.28E-04	-3.96E-03	-1.32E-04	-2.36E+00	-1.96E-02

Table 3-6B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Maximum Range
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m^3)	xylene, total Acute Hazard	arsenic (µg/m^3)	arsenic Acute Hazard	chlorine (µg/m^3)	chlorine Acute Hazard	copper (µg/m^3)	copper Acute Hazard	mercury (µg/m^3)	mercury Acute Hazard	nickel (µg/m^3)	nickel Acute Hazard	vanadium (µg/m^3)	vanadium Acute Hazard	sulfates (µg/m^3)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
19	366685	756985	Recreational	-4.56E-02	-2.07E-06	-7.23E-04	-3.61E-03	-4.67E-02	-2.22E-04	-3.40E-03	-3.40E-05	-4.34E-03	-7.23E-03	-2.73E-03	-4.54E-04	-4.19E-03	-1.40E-04	-2.50E+00	-2.08E-02
20	366646	757074	Recreational	-6.67E-01	-3.03E-05	-7.83E-04	-3.91E-03	-5.35E-02	-2.55E-04	-3.75E-03	-3.75E-05	-4.70E-03	-7.83E-03	-2.97E-03	-4.95E-04	-4.54E-03	-1.51E-04	-2.73E+00	-2.27E-02
21	366607	757162	Recreational	-8.25E-01	-3.75E-05	-7.92E-04	-3.96E-03	-5.76E-02	-2.74E-04	-3.85E-03	-3.85E-05	-4.75E-03	-7.92E-03	-3.03E-03	-5.05E-04	-4.60E-03	-1.53E-04	-2.78E+00	-2.32E-02
22	366569	757250	Recreational	-9.65E-01	-4.38E-05	-9.25E-04	-4.63E-03	-6.32E-02	-3.01E-04	-4.50E-03	-4.50E-05	-5.55E-03	-9.25E-03	-3.51E-03	-5.85E-04	-5.37E-03	-1.79E-04	-3.22E+00	-2.68E-02
23	366530	757338	Recreational	-1.16E+00	-5.25E-05	-8.93E-04	-4.47E-03	-6.28E-02	-2.99E-04	-4.37E-03	-4.37E-05	-5.36E-03	-8.93E-03	-3.40E-03	-5.67E-04	-5.18E-03	-1.73E-04	-3.12E+00	-2.60E-02
24	366492	757427	Recreational	-8.12E-01	-3.69E-05	-7.64E-04	-3.82E-03	-5.26E-02	-2.51E-04	-3.70E-03	-3.70E-05	-4.59E-03	-7.64E-03	-2.90E-03	-4.84E-04	-4.43E-03	-1.48E-04	-2.66E+00	-2.22E-02
25	366453	757515	Recreational	-4.50E-01	-2.05E-05	-7.61E-04	-3.80E-03	-5.32E-02	-2.54E-04	-3.70E-03	-3.70E-05	-4.56E-03	-7.61E-03	-2.90E-03	-4.83E-04	-4.41E-03	-1.47E-04	-2.66E+00	-2.21E-02
26	366415	757603	Recreational	-3.68E-01	-1.67E-05	-7.85E-04	-3.93E-03	-5.58E-02	-2.66E-04	-3.81E-03	-3.81E-05	-4.71E-03	-7.85E-03	-3.00E-03	-4.99E-04	-4.55E-03	-1.52E-04	-2.75E+00	-2.29E-02
27	366376	757692	Recreational	-3.65E-01	-1.66E-05	-7.85E-04	-3.92E-03	-5.63E-02	-2.68E-04	-3.80E-03	-3.80E-05	-4.71E-03	-7.85E-03	-3.00E-03	-5.00E-04	-4.55E-03	-1.52E-04	-2.75E+00	-2.29E-02
84	369336	758100	Recreational	6.04E-01	2.75E-05	-1.56E-03	-7.80E-03	-1.06E-01	-5.04E-04	-7.44E-03	-7.44E-05	-9.35E-03	-1.56E-02	-5.91E-03	-9.86E-04	-9.04E-03	-3.01E-04	-5.43E+00	-4.52E-02
85	369269	758170	Recreational	1.18E+00	5.35E-05	-1.56E-03	-7.81E-03	-1.04E-01	-4.95E-04	-7.42E-03	-7.42E-05	-9.37E-03	-1.56E-02	-5.91E-03	-9.85E-04	-9.06E-03	-3.02E-04	-5.42E+00	-4.52E-02
86	369202	758239	Recreational	1.05E+00	4.75E-05	-1.63E-03	-8.13E-03	-1.09E-01	-5.19E-04	-7.82E-03	-7.82E-05	-9.76E-03	-1.63E-02	-6.16E-03	-1.03E-03	-9.44E-03	-3.15E-04	-5.65E+00	-4.71E-02
87	369264	758285	Recreational	9.36E-01	4.25E-05	-1.13E-03	-5.67E-03	-7.60E-02	-3.62E-04	-5.32E-03	-5.32E-05	-6.81E-03	-1.13E-02	-4.30E-03	-7.16E-04	-6.58E-03	-2.19E-04	-3.94E+00	-3.28E-02
88	369326	758330	Recreational	4.54E-01	2.07E-05	-1.49E-03	-7.46E-03	-1.03E-01	-4.90E-04	-7.24E-03	-7.24E-05	-8.95E-03	-1.49E-02	-5.67E-03	-9.45E-04	-8.65E-03	-2.88E-04	-5.20E+00	-4.34E-02
89	369389	758376	Recreational	-4.25E-02	-1.93E-06	-1.45E-03	-7.23E-03	-1.01E-01	-4.79E-04	-7.06E-03	-7.06E-05	-8.67E-03	-1.45E-02	-5.50E-03	-9.17E-04	-8.38E-03	-2.79E-04	-5.05E+00	-4.20E-02
90	369389	758462	Recreational	-2.49E-01	-1.13E-05	-1.30E-03	-6.48E-03	-9.07E-02	-4.32E-04	-6.30E-03	-6.30E-05	-7.77E-03	-1.30E-02	-4.93E-03	-8.22E-04	-7.51E-03	-2.50E-04	-4.52E+00	-3.77E-02
91	369389	758548	Recreational	-4.33E-01	-1.97E-05	-1.30E-03	-6.50E-03	-9.06E-02	-4.31E-04	-6.33E-03	-6.33E-05	-7.80E-03	-1.30E-02	-4.95E-03	-8.25E-04	-7.54E-03	-2.51E-04	-4.54E+00	-3.78E-02
28	366338	757780	Residential	-1.61E-01	-7.31E-06	-6.98E-04	-3.49E-03	-4.94E-02	-2.35E-04	-3.35E-03	-3.35E-05	-4.19E-03	-6.98E-03	-2.66E-03	-4.44E-04	-4.05E-03	-1.35E-04	-2.44E+00	-2.03E-02
29	366402	757746	Residential	-2.05E-01	-9.34E-06	-7.28E-04	-3.64E-03	-5.15E-02	-2.45E-04	-3.50E-03	-3.50E-05	-4.37E-03	-7.28E-03	-2.78E-03	-4.63E-04	-4.22E-03	-1.41E-04	-2.55E+00	-2.12E-02
30	366467	757713	Residential	-2.48E-01	-1.13E-05	-7.70E-04	-3.85E-03	-5.47E-02	-2.61E-04	-3.71E-03	-3.71E-05	-4.62E-03	-7.70E-03	-2.94E-03	-4.90E-04	-4.46E-03	-1.49E-04	-2.69E+00	-2.25E-02
31	366531	757679	Residential	-2.97E-01	-1.35E-05	-8.07E-04	-4.04E-03	-5.77E-02	-2.75E-04	-3.91E-03	-3.91E-05	-4.84E-03	-8.07E-03	-3.08E-03	-5.14E-04	-4.68E-03	-1.56E-04	-2.83E+00	-2.36E-02
32	366567	757773	Residential	1.97E-02	8.94E-07	-7.48E-04	-3.74E-03	-5.32E-02	-2.53E-04	-3.60E-03	-3.60E-05	-4.49E-03	-7.48E-03	-2.85E-03	-4.76E-04	-4.34E-03	-1.45E-04	-2.62E+00	-2.18E-02
33	366625	757758	Residential	2.58E-02	1.17E-06	-7.61E-04	-3.81E-03	-5.40E-02	-2.57E-04	-3.66E-03	-3.66E-05	-4.57E-03	-7.61E-03	-2.91E-03	-4.84E-04	-4.42E-03	-1.47E-04	-2.66E+00	-2.22E-02
34	366682	757744	Residential	3.16E-02	1.43E-06	-7.75E-04	-3.88E-03	-5.49E-02	-2.61E-04	-3.73E-03	-3.73E-05	-4.65E-03	-7.75E-03	-2.96E-03	-4.93E-04	-4.50E-03	-1.50E-04	-2.71E+00	-2.26E-02
35	366768	757788	Residential	-2.13E-01	-9.67E-06	-8.26E-04	-4.13E-03	-5.99E-02	-2.85E-04	-4.01E-03	-4.01E-05	-4.96E-03	-8.26E-03	-3.16E-03	-5.27E-04	-4.79E-03	-1.60E-04	-2.90E+00	-2.42E-02
36	366854	757833	Residential	-7.74E-01	-3.52E-05	-9.59E-04	-4.80E-03	-6.92E-02	-3.29E-04	-4.68E-03	-4.68E-05	-5.76E-03	-9.59E-03	-3.67E-03	-6.11E-04	-5.57E-03	-1.86E-04	-3.36E+00	-2.80E-02
37	366941	757877	Residential	-9.55E-01	-4.34E-05	-1.04E-03	-5.21E-03	-7.56E-02	-3.60E-04	-5.12E-03	-5.12E-05	-6.26E-03	-1.04E-02	-3.99E-03	-6.65E-04	-6.05E-03	-2.02E-04	-3.66E+00	-3.05E-02
38	367027	757922	Residential	-7.31E-01	-3.32E-05	-1.06E-03	-5.31E-03	-7.82E-02	-3.72E-04	-5.22E-03	-5.22E-05	-6.37E-03	-1.06E-02	-4.07E-03	-6.79E-04	-6.16E-03	-2.05E-04	-3.73E+00	-3.11E-02
39	367113	757966	Residential	4.66E-02	2.12E-06	-1.15E-03	-5.77E-03	-8.34E-02	-3.97E-04	-5.65E-03	-5.65E-05	-6.92E-03	-1.15E-02	-4.41E-03	-7.35E-04	-6.69E-03	-2.23E-04	-4.05E+00	-3.37E-02
40	367192	757916	Residential	-1.43E-01	-6.51E-06	-1.19E-03	-5.95E-03	-8.63E-02	-4.11E-04	-5.83E-03	-5.83E-05	-7.14E-03	-1.19E-02	-4.55E-03	-7.59E-04	-6.90E-03	-2.30E-04	-4.18E+00	-3.48E-02
41	367264	757916	Residential	1.26E-02	5.72E-07	-1.23E-03	-6.14E-03	-8.83E-02	-4.21E-04	-6.00E-03	-6.00E-05	-7.37E-03	-1.23E-02	-4.70E-03	-7.83E-04	-7.13E-03	-2.38E-04	-4.31E+00	-3.59E-02
42	367335	757916	Residential	1.92E-01	8.71E-06	-1.24E-03	-6.18E-03	-8.89E-02	-4.23E-04	-6.02E-03	-6.02E-05	-7.42E-03	-1.24E-02	-4.73E-03	-7.88E-04	-7.17E-03	-2.39E-04	-4.33E+00	-3.61E-02
43	367343	757966	Residential	7.12E-01	3.24E-05	-1.07E-03	-5.35E-03	-7.79E-02	-3.71E-04	-5.15E-03	-5.15E-05	-6.42E-03	-1.07E-02	-4.10E-03	-6.83E-04	-6.20E-03	-2.07E-04	-3.76E+00	-3.13E-02
44	367404	757995	Residential	9.18E-01	4.17E-05	-9.99E-04	-4.99E-03	-7.15E-02	-3.40E-04	-4.74E-03	-4.74E-05	-5.99E-03	-9.99E-03	-3.82E-03	-6.36E-04	-5.79E-03	-1.93E-04	-3.50E+00	-2.92E-02
45	367465	758024	Residential	6.61E-01	3.00E-05	-1.07E-03	-5.36E-03	-7.68E-02	-3.66E-04	-5.10E-03	-5.10E-05	-6.43E-03	-1.07E-02	-4.09E-03	-6.82E-04	-6.21E-03	-2.07E-04	-3.75E+00	-3.13E-02
55	367673	758189	Residential	-3.99E-01	-1.81E-05	-1.14E-03	-5.71E-03	-8.04E-02	-3.83E-04	-5.53E-03	-5.53E-05	-6.85E-03	-1.14E-02	-4.35E-03	-7.25E-04	-6.62E-03	-2.21E-04	-3.99E+00	-3.33E-02
59	367816	758096	Residential	-3.31E-01	-1.51E-05	-1.21E-03	-6.07E-03	-8.57E-02	-4.08E-04	-5.87E-03	-5.87E-05	-7.29E-03	-1.21E-02	-4.63E-03	-7.72E-04	-7.05E-03	-2.35E-04	-4.25E+00	-3.54E-02
60	367898	758066	Residential	-2.06E-01	-9.38E-06	-1.22E-03	-6.08E-03	-8.75E-02	-4.17E-04	-5.88E-03	-5.88E-05	-7.29E-03	-1.22E-02	-4.65E-03	-7.74E-04	-7.05E-03	-2.35E-04	-4.26E+00	-3.55E-02
61	367980	758035	Residential	-1.40E-01	-6.35E-06	-1.22E-03	-6.11E-03	-8.96E-02	-4.27E-04	-5.93E-03	-5.93E-05	-7.33E-03	-1.22E-02	-4.68E-03	-7.81E-04	-7.09E-03	-2.36E-04	-4.30E+00	-3.58E-02
62	368062	758005	Residential	-1.62E-01	-7.36E-06	-1.31E-03	-6.57E-03	-9.64E-02	-4.59E-04	-6.38E-03	-6.38E-05	-7.88E-03	-1.31E-02	-5.03E-03	-8.39E-04	-7.62E-03	-2.54E-04	-4.62E+00	-3.85E-02
63	368144	757975	Residential	-4.34E-01	-1.97E-05	-1.36E-03	-6.81E-03	-1.00E-01	-4.77E-04	-6.60E-03	-6.60E-05	-8.17E-03	-1.36E-02	-5.22E-03	-8.70E-04	-7.90E-03	-2.63E-04	-4.79E+00	-3.99E-02
64	368226	757945	Residential	-7.35E-01	-3.34E-05	-1.38E-03	-6.91E-03	-1.03E-01	-4.90E-04	-6.69E-03	-6.69E-05	-8.30E-03	-1.38E-02	-5.31E-03	-8.85E-04	-8.02E-03	-2.67E-04	-4.87E+00	-4.06E-02
65	368301	757943	Residential	-5.41E-01	-2.46E-05	-1.22E-03	-6.09E-03	-9.28E-02	-4.42E-04	-5.86E-03	-5.86E-05	-7.30E-03	-1.22E-02	-4.69E-03	-7.82E-04	-7.06E-03	-2.35E-04	-4.30E+00	-3.58E-02
66	368376	757941	Residential	-2.05E-02	-9.34E-07	-1.11E-03	-5.54E-03	-8.56E-02	-4.08E-04	-5.29E-03	-5.29E-05	-6.65E-03	-1.11E-02	-4.28E-03	-7.13E-04	-6.43E-03	-2.14E-04	-3.92E+00	-3.27E-02
67	368452	757940	Residential	7.33E-01	3.33E-05	-9.96E-04	-4.98E-03	-7.69E-02	-3.66E-04	-4.70E-03	-4.70E-05	-5.97E-03	-9.96E-03	-3.84E-03	-6.41E-04	-5.78E-03	-1.93E-04	-3.53E+00	-2.94E-02
68	368527	757938	Residential	1.13E-01	5.13E-06	-1.04E-03	-5.21E-03	-7.83E-02	-3.73E-04	-4.91E-03	-4.91E-05	-6.25E-03	-1.04E-02	-4.00E-03	-6.67E-04	-6.04E-03	-2.01E-04	-3.67E+00	-3.06E-02
69	368563	757880	Residential	5.10E-01	2.32E-05	-9.88E-04	-4.94E-03	-7.43E-02	-3.54E-04	-4.60E-03	-4.60E-05	-5.93E-03	-9.88E-03	-3.80E-03	-6.33E-04	-5.73E-03	-1.91E-04	-3.48E+00	-2.90E-02
70	368636	757926	Residential	-4.99E-01	-2.27E-05	-1.62E-03	-8.10E-03	-1.16E-01	-5.51E-04	-7.81E-03	-7.81E-05	-9.72E-03	-1.62E-02	-6.19E-03	-1.03E-03	-9.40E-03	-3.13E-04	-5.67E+00	-4.73E-02
71	368709	757971	Residential	-4.84E+00	-2.20E-04	-3.58E-03	-1.79E-02	-2.55E-01	-1.22E-03	-1.79E-02	-1.79E-04	-2.15E-02	-3.58E-02	-1.37E-02	-2.28E-03	-2.08E-02	-6.93E-04	-1.25E+01	-1.05E-01
72	368782	758017	Residential	-5.33E+00	-2.42E-04	-3.89E-03	-1.94E-02	-2.71E-01	-1.29E-03	-1.94E-02	-1.94E-04	-2.33E-02	-3.89E-02	-1.48E-02	-2.47E-03	-2.25E-02	-7.51E-04	-1.36E+01	-1.13E-01
73	368855	758062	Residential	-2.33E+00	-1.06E-04	-2.11E-03	-1.05E-02	-1.43E-01	-6.80E-04	-1.03E-02	-1.03E-04	-1.27E-02	-2.11E-02	-8.00E-03	-1.33E-03	-1.22E-02	-4.08E-04	-7.34E+00	-6.11E-02
74	368928	758108	Residential	-1.29E+00	-5.85E-05	-1.36E-03	-6.81E-03	-9.73E-02	-4.63E-04	-6.66E-03	-6.66E-05	-8.17E-03	-1.36E-02	-5.20E-03	-8.66E-04	-7.89E-03	-2.63E-04	-4.77E+00	-3.97E-02
75	369001	758153	Residential	-4.19E-01	-1.90E-05	-1.53E-03	-7.64E-03	-1.09E-01	-5.21E-04	-7.56E-03	-7.56E-05	-9.17E-03	-1.53E-02	-5.84E-03	-9.73E-04	-8.86E-03	-2.95E-04	-5.35E+00	-4.46E-02
76	369058	758074	Residential	-6.17E-01	-2.81E-05	-1.69E-03	-8.47E-03	-1.23E-01	-5.83E-04	-8.43E-03	-8.43E-05	-1.02E-02	-1.69E-02	-6.48E-03	-1.08E-03	-9.83E-03	-3.28E-04	-5.94E+00	-4.95E-02
77	369102	758103	Residential	-1.61E+00	-7.31E-05	-1.76E-03	-8.82E-03	-1.23E-01	-5.85E-04	-8.71E-03	-8.71E-05	-1.06E-02	-1.76E-02	-6.71E-03	-1.12E-03	-1.02E-02	-3.41E-04	-6.16E+00	-5.13E-02
78	369145	758132	Residential	-1.26E+00	-5.74E-05	-2.08E-03	-1.04E-02	-1.43E-01	-6.79E-04	-1.02E-02	-1.02E-04	-1.25E-02	-2.08E-02	-7.91E-03	-1.32E-03	-1.21E-02	-4.03E-04	-7.26E+00	-6.05E-02
79	369200	758065	Residential	-4.72E-01	-2.15E-05	-2.15E-03	-1.08E-02	-1.45E-01	-6.92E-04	-1.05E-02	-1.05E-04	-1.29E-02	-2.15E-02	-8.16E-03	-1.36E-03	-1.25E-02	-4.16E-04	-7.49E+00	-6.24E-02
80	369255	757998	Residential	4.68E-01	2.13E-05	-2.24E-03	-1.12E-02	-1.52E-01	-7.25E-04	-1.09E-02	-1.09E-04	-1.34E-02	-2.24E-02	-8.48E-03	-1.41E-03	-1.30E-02	-4.32E-04	-7.78E+00	-6.49E-02
81	369310	757931	Residential	2.12E-01	9.65E-06	-2.41E-03	-1.21E-02	-1.65E-01	-7.85E-04	-1.17E-02	-1.17E-04	-1.45E-02	-2.41E-02	-9.15E-03	-1.53E-03	-1.40E-02	-4.66E-04	-8.40E+00	-7.00E-02
82	369356	757981	Residential	4.87E-01	2.22E-05	-2.08E-03	-1.04E-02	-1.41E-01	-6.70E-04	-1.00E-02	-1.00E-04	-1.25E-02	-2.08E-02	-7.90E-03	-1.32E-03	-1.21E-02	-4.03E-04	-7.25E+00	-6.04E-02
83	369403	758031	Residential	9.79E-01	4.45E-05	-2.10E-03	-1.05E-02	-1.45E-01	-6.90E-04	-1.03E-02	-1.03E-04	-1.26E-02	-2.10E-02	-7.97E-03	-1.33E-03	-1.22E-02	-4.05E-04	-7.31E+00	-6.10E-02
92	369389	758634	Residential	-7.78E-01	-3.54E-05	-1.47E-03	-7.35E-03	-1.02E-01	-4.87E-04	-7.20E-03	-7.20E-05	-8.81E-03	-1.47E-02	-5.59E-03	-9.32E-04	-8.52E-03	-2.84E-04	-5.13E+00	-4.27E-02
93	369469	758630	Residential	-2.72E+00	-1.24E-04	-3.14E-03	-1.57E-02	-2.20E-01	-1.05E-03	-1.57E-02	-1.57E-04	-1.89E-02	-3.14E-02	-1.20E-02	-1.99E-03	-1.82E-02	-6.08E-04	-1.10E+01	-9.15E-02
94	369549	758625	Residential	-3.75E+00	-1.71E-04	-3.56E-03	-1.78E-02	-2.48E-01	-1.18E-03	-1.79E-02	-1.79E-04	-2.13E-02	-3.56E-02	-1.35E-02	-2.26E-03	-2.06E-02	-6.87E-04	-1.24E+01	-1.03E-01
95	369630	758621	Residential	-3.26E+00	-1.48E-04	-2.30E-03	-1.15E-02	-1.60E-01	-7.60E-04	-1.15E-02	-1.15E-04	-1.38E-02	-2.30E-02	-8.74E-03	-1.46E-03	-1.33E-02	-4.44E-04	-8.02E+00	-6.68E-02

Table 3-6B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Maximum Range
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m^3)	xylene, total Acute Hazard	arsenic (µg/m^3)	arsenic Acute Hazard	chlorine (µg/m^3)	chlorine Acute Hazard	copper (µg/m^3)	copper Acute Hazard	mercury (µg/m^3)	mercury Acute Hazard	nickel (µg/m^3)	nickel Acute Hazard	vanadium (µg/m^3)	vanadium Acute Hazard	sulfates (µg/m^3)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
96	369710	758617	Residential	-1.41E+00	-6.41E-05	-1.84E-03	-9.22E-03	-1.30E-01	-6.20E-04	-9.22E-03	-9.22E-05	-1.11E-02	-1.84E-02	-7.03E-03	-1.17E-03	-1.07E-02	-3.57E-04	-6.45E+00	-5.38E-02
97	369791	758613	Residential	-6.46E-01	-2.94E-05	-2.40E-03	-1.20E-02	-1.70E-01	-8.07E-04	-1.21E-02	-1.21E-04	-1.44E-02	-2.40E-02	-9.16E-03	-1.53E-03	-1.39E-02	-4.65E-04	-8.41E+00	-7.00E-02
98	369791	758514	Residential	-5.33E-01	-2.42E-05	-2.32E-03	-1.16E-02	-1.63E-01	-7.75E-04	-1.16E-02	-1.16E-04	-1.39E-02	-2.32E-02	-8.82E-03	-1.47E-03	-1.34E-02	-4.48E-04	-8.09E+00	-6.74E-02
99	369791	758416	Residential	-3.36E-01	-1.53E-05	-2.18E-03	-1.09E-02	-1.54E-01	-7.32E-04	-1.10E-02	-1.10E-04	-1.31E-02	-2.18E-02	-8.31E-03	-1.39E-03	-1.26E-02	-4.22E-04	-7.63E+00	-6.35E-02
100	369791	758318	Residential	-6.29E-01	-2.86E-05	-2.14E-03	-1.07E-02	-1.51E-01	-7.17E-04	-1.08E-02	-1.08E-04	-1.29E-02	-2.14E-02	-8.16E-03	-1.36E-03	-1.24E-02	-4.14E-04	-7.49E+00	-6.24E-02
101	369881	758318	Residential	-1.55E+00	-7.05E-05	-2.79E-03	-1.40E-02	-1.96E-01	-9.34E-04	-1.41E-02	-1.41E-04	-1.67E-02	-2.79E-02	-1.06E-02	-1.77E-03	-1.62E-02	-5.40E-04	-9.75E+00	-8.13E-02
102	369972	758318	Residential	-2.43E+00	-1.11E-04	-2.81E-03	-1.40E-02	-1.99E-01	-9.48E-04	-1.42E-02	-1.42E-04	-1.68E-02	-2.81E-02	-1.07E-02	-1.78E-03	-1.63E-02	-5.42E-04	-9.82E+00	-8.18E-02
103	370062	758318	Residential	-2.94E+00	-1.33E-04	-2.05E-03	-1.03E-02	-1.48E-01	-7.07E-04	-1.04E-02	-1.04E-04	-1.23E-02	-2.05E-02	-7.85E-03	-1.31E-03	-1.19E-02	-3.97E-04	-7.20E+00	-6.00E-02
104	370153	758318	Residential	-3.26E+00	-1.48E-04	-1.93E-03	-9.67E-03	-1.38E-01	-6.56E-04	-9.73E-03	-9.73E-05	-1.16E-02	-1.93E-02	-7.39E-03	-1.23E-03	-1.12E-02	-3.74E-04	-6.77E+00	-5.65E-02
105	370243	758318	Residential	-3.59E+00	-1.63E-04	-2.55E-03	-1.27E-02	-1.77E-01	-8.45E-04	-1.28E-02	-1.28E-04	-1.53E-02	-2.55E-02	-9.69E-03	-1.62E-03	-1.48E-02	-4.92E-04	-8.89E+00	-7.41E-02
111	370408	758347	Residential	-4.88E+00	-2.22E-04	-3.77E-03	-1.88E-02	-2.66E-01	-1.27E-03	-1.91E-02	-1.91E-04	-2.26E-02	-3.77E-02	-1.44E-02	-2.39E-03	-2.18E-02	-7.28E-04	-1.32E+01	-1.10E-01
112	370490	758344	Residential	-4.86E+00	-2.21E-04	-3.26E-03	-1.63E-02	-2.32E-01	-1.11E-03	-1.65E-02	-1.65E-04	-1.95E-02	-3.26E-02	-1.24E-02	-2.07E-03	-1.89E-02	-6.29E-04	-1.14E+01	-9.50E-02
113	370572	758341	Residential	-5.61E+00	-2.55E-04	-2.90E-03	-1.45E-02	-2.03E-01	-9.65E-04	-1.47E-02	-1.47E-04	-1.74E-02	-2.90E-02	-1.11E-02	-1.84E-03	-1.68E-02	-5.61E-04	-1.01E+01	-8.45E-02
114	370654	758338	Residential	-5.70E+00	-2.59E-04	-2.91E-03	-1.45E-02	-2.07E-01	-9.86E-04	-1.46E-02	-1.46E-04	-1.74E-02	-2.91E-02	-1.11E-02	-1.85E-03	-1.69E-02	-5.62E-04	-1.02E+01	-8.48E-02
115	370735	758335	Residential	-4.22E+00	-1.92E-04	-2.43E-03	-1.21E-02	-1.75E-01	-8.33E-04	-1.22E-02	-1.22E-04	-1.46E-02	-2.43E-02	-9.28E-03	-1.55E-03	-1.41E-02	-4.69E-04	-8.51E+00	-7.09E-02
116	370817	758333	Residential	-2.58E+00	-1.17E-04	-1.62E-03	-8.11E-03	-1.14E-01	-5.44E-04	-8.03E-03	-8.03E-05	-9.73E-03	-1.62E-02	-6.18E-03	-1.03E-03	-9.41E-03	-3.14E-04	-5.67E+00	-4.73E-02
130	371183	758027	Residential	-3.00E-02	-1.37E-06	-1.86E-03	-9.30E-03	-1.29E-01	-6.17E-04	-8.91E-03	-8.91E-05	-1.12E-02	-1.86E-02	-7.08E-03	-1.18E-03	-1.08E-02	-3.60E-04	-6.50E+00	-5.41E-02
131	371248	758024	Residential	-5.16E-01	-2.35E-05	-1.83E-03	-9.15E-03	-1.29E-01	-6.13E-04	-8.77E-03	-8.77E-05	-1.10E-02	-1.83E-02	-6.97E-03	-1.16E-03	-1.06E-02	-3.54E-04	-6.40E+00	-5.33E-02
132	371326	758075	Residential	-4.63E-01	-2.11E-05	-1.80E-03	-8.99E-03	-1.21E-01	-5.75E-04	-8.61E-03	-8.61E-05	-1.08E-02	-1.80E-02	-6.81E-03	-1.13E-03	-1.04E-02	-3.47E-04	-6.25E+00	-5.21E-02
133	371404	758127	Residential	-1.02E-01	-4.63E-06	-1.60E-03	-8.01E-03	-1.07E-01	-5.10E-04	-7.68E-03	-7.68E-05	-9.61E-03	-1.60E-02	-6.06E-03	-1.01E-03	-9.29E-03	-3.10E-04	-5.56E+00	-4.64E-02
134	371481	758178	Residential	-1.03E-02	-4.67E-07	-1.43E-03	-7.16E-03	-9.59E-02	-4.57E-04	-6.87E-03	-6.87E-05	-8.59E-03	-1.43E-02	-5.42E-03	-9.04E-04	-8.31E-03	-2.77E-04	-4.98E+00	-4.15E-02
135	371559	758230	Residential	1.14E-01	5.17E-06	-1.37E-03	-6.85E-03	-8.66E-02	-4.12E-04	-6.56E-03	-6.56E-05	-8.22E-03	-1.37E-02	-5.15E-03	-8.59E-04	-7.95E-03	-2.65E-04	-4.73E+00	-3.94E-02
136	371637	758281	Residential	2.35E-01	1.07E-05	-1.33E-03	-6.65E-03	-7.75E-02	-3.69E-04	-6.34E-03	-6.34E-05	-7.98E-03	-1.33E-02	-4.96E-03	-8.26E-04	-7.72E-03	-2.57E-04	-4.55E+00	-3.79E-02
137	371715	758333	Residential	3.62E-01	1.65E-05	-1.24E-03	-6.21E-03	-7.32E-02	-3.49E-04	-5.92E-03	-5.92E-05	-7.46E-03	-1.24E-02	-4.63E-03	-7.72E-04	-7.21E-03	-2.40E-04	-4.25E+00	-3.54E-02
138	371769	758261	Residential	8.26E-01	3.75E-05	-1.21E-03	-6.03E-03	-7.43E-02	-3.54E-04	-5.77E-03	-5.77E-05	-7.24E-03	-1.21E-02	-4.52E-03	-7.54E-04	-7.00E-03	-2.33E-04	-4.15E+00	-3.46E-02
139	371822	758189	Residential	-5.41E-01	-2.46E-05	-9.28E-04	-4.64E-03	-6.63E-02	-3.16E-04	-4.43E-03	-4.43E-05	-5.57E-03	-9.28E-03	-3.54E-03	-5.91E-04	-5.38E-03	-1.79E-04	-3.25E+00	-2.71E-02
140	371894	758160	Residential	-1.58E+00	-7.16E-05	-1.11E-03	-5.55E-03	-9.78E-02	-4.66E-04	-5.51E-03	-5.51E-05	-6.66E-03	-1.11E-02	-4.37E-03	-7.28E-04	-6.43E-03	-2.14E-04	-4.00E+00	-3.34E-02
141	371894	758081	Residential	-2.93E+00	-1.33E-04	-1.25E-03	-6.23E-03	-1.13E-01	-5.40E-04	-6.20E-03	-6.20E-05	-7.47E-03	-1.25E-02	-4.93E-03	-8.22E-04	-7.22E-03	-2.41E-04	-4.52E+00	-3.77E-02
142	371959	758074	Residential	-2.72E+00	-1.24E-04	-1.35E-03	-6.76E-03	-1.04E-01	-4.96E-04	-6.58E-03	-6.58E-05	-8.11E-03	-1.35E-02	-5.22E-03	-8.70E-04	-7.84E-03	-2.61E-04	-4.78E+00	-3.99E-02
155	372055	757363	Residential	-1.87E+00	-8.50E-05	-1.19E-03	-5.95E-03	-1.10E-01	-5.25E-04	-5.95E-03	-5.95E-05	-7.14E-03	-1.19E-02	-4.72E-03	-7.87E-04	-6.90E-03	-2.30E-04	-4.33E+00	-3.61E-02
297	370239	755427	Residential	1.42E+00	6.44E-05	-3.30E-03	-1.65E-02	-2.29E-01	-1.09E-03	-1.59E-02	-1.59E-04	-1.98E-02	-3.30E-02	-1.26E-02	-2.09E-03	-1.92E-02	-6.38E-04	-1.15E+01	-9.60E-02
298	370138	755427	Residential	3.32E+00	1.51E-04	-3.26E-03	-1.63E-02	-2.21E-01	-1.05E-03	-1.56E-02	-1.56E-04	-1.95E-02	-3.26E-02	-1.24E-02	-2.06E-03	-1.89E-02	-6.30E-04	-1.13E+01	-9.45E-02
299	370040	755427	Residential	-4.24E+00	-1.93E-04	-2.78E-03	-1.39E-02	-1.91E-01	-9.08E-04	-1.33E-02	-1.33E-04	-1.67E-02	-2.78E-02	-1.05E-02	-1.76E-03	-1.61E-02	-5.37E-04	-9.68E+00	-8.06E-02
300	369941	755426	Residential	-3.14E+00	-1.43E-04	-3.46E-03	-1.73E-02	-2.40E-01	-1.14E-03	-1.71E-02	-1.71E-04	-2.08E-02	-3.46E-02	-1.32E-02	-2.19E-03	-2.01E-02	-6.69E-04	-1.21E+01	-1.01E-01
301	369842	755426	Residential	-2.25E+00	-1.02E-04	-2.58E-03	-1.29E-02	-1.83E-01	-8.70E-04	-1.27E-02	-1.27E-04	-1.55E-02	-2.58E-02	-9.85E-03	-1.64E-03	-1.50E-02	-4.99E-04	-9.03E+00	-7.53E-02
304	369544	755434	Residential	-4.82E+00	-2.19E-04	-3.23E-03	-1.61E-02	-2.32E-01	-1.10E-03	-1.62E-02	-1.62E-04	-1.94E-02	-3.23E-02	-1.23E-02	-2.06E-03	-1.87E-02	-6.24E-04	-1.13E+01	-9.43E-02
305	369445	755434	Residential	-2.87E+00	-1.30E-04	-2.89E-03	-1.45E-02	-2.05E-01	-9.76E-04	-1.45E-02	-1.45E-04	-1.73E-02	-2.89E-02	-1.10E-02	-1.84E-03	-1.68E-02	-5.59E-04	-1.01E+01	-8.43E-02
306	369346	755434	Residential	-2.32E+00	-1.06E-04	-3.41E-03	-1.70E-02	-2.37E-01	-1.13E-03	-1.70E-02	-1.70E-04	-2.04E-02	-3.41E-02	-1.30E-02	-2.16E-03	-1.98E-02	-6.58E-04	-1.19E+01	-9.91E-02
310	368953	755441	Residential	-1.99E+00	-9.03E-05	-1.63E-03	-8.14E-03	-1.12E-01	-5.35E-04	-8.00E-03	-8.00E-05	-9.76E-03	-1.63E-02	-6.19E-03	-1.03E-03	-9.44E-03	-3.15E-04	-5.67E+00	-4.73E-02
311	368854	755441	Residential	-2.30E+00	-1.05E-04	-2.23E-03	-1.11E-02	-1.56E-01	-7.45E-04	-1.11E-02	-1.11E-04	-1.34E-02	-2.23E-02	-8.48E-03	-1.41E-03	-1.29E-02	-4.30E-04	-7.78E+00	-6.48E-02
312	368755	755441	Residential	-2.21E+00	-1.00E-04	-2.04E-03	-1.02E-02	-1.44E-01	-6.84E-04	-1.00E-02	-1.00E-04	-1.22E-02	-2.04E-02	-7.77E-03	-1.30E-03	-1.18E-02	-3.94E-04	-7.13E+00	-5.94E-02
313	368657	755441	Residential	-1.72E+00	-7.82E-05	-1.76E-03	-8.82E-03	-1.25E-01	-5.93E-04	-8.70E-03	-8.70E-05	-1.06E-02	-1.76E-02	-6.72E-03	-1.12E-03	-1.02E-02	-3.41E-04	-6.17E+00	-5.14E-02
314	368558	755440	Residential	-1.62E+00	-7.39E-05	-1.46E-03	-7.30E-03	-1.03E-01	-4.92E-04	-7.14E-03	-7.14E-05	-8.76E-03	-1.46E-02	-5.57E-03	-9.28E-04	-8.47E-03	-2.82E-04	-5.11E+00	-4.26E-02
315	368459	755440	Residential	-6.29E-01	-2.86E-05	-1.14E-03	-5.68E-03	-8.03E-02	-3.82E-04	-5.47E-03	-5.47E-05	-6.81E-03	-1.14E-02	-4.33E-03	-7.22E-04	-6.59E-03	-2.20E-04	-3.97E+00	-3.31E-02
316	368360	755440	Residential	-2.47E-01	-1.12E-05	-8.10E-04	-4.05E-03	-5.57E-02	-2.65E-04	-3.79E-03	-3.79E-05	-4.86E-03	-8.10E-03	-3.08E-03	-5.13E-04	-4.70E-03	-1.57E-04	-2.82E+00	-2.35E-02
317	368262	755439	Residential	-2.08E-01	-9.45E-06	-1.18E-03	-5.90E-03	-8.36E-02	-3.98E-04	-5.72E-03	-5.72E-05	-7.08E-03	-1.18E-02	-4.50E-03	-7.50E-04	-6.84E-03	-2.28E-04	-4.13E+00	-3.44E-02
318	368186	755427	Residential	-2.89E-01	-1.31E-05	-1.36E-03	-6.78E-03	-9.69E-02	-4.61E-04	-6.65E-03	-6.65E-05	-8.14E-03	-1.36E-02	-5.18E-03	-8.64E-04	-7.87E-03	-2.62E-04	-4.75E+00	-3.96E-02
319	368111	755414	Residential	-3.31E-01	-1.50E-05	-1.48E-03	-7.40E-03	-1.06E-01	-5.04E-04	-7.31E-03	-7.31E-05	-8.88E-03	-1.48E-02	-5.65E-03	-9.42E-04	-8.59E-03	-2.86E-04	-5.19E+00	-4.32E-02
46	367504	757948	School	9.61E-01	4.37E-05	-1.03E-03	-5.16E-03	-7.40E-02	-3.52E-04	-4.90E-03	-4.90E-05	-6.19E-03	-1.03E-02	-3.94E-03	-6.57E-04	-5.98E-03	-1.99E-04	-3.62E+00	-3.01E-02
47	367544	757873	School	3.53E-01	1.60E-05	-1.19E-03	-5.94E-03	-8.75E-02	-4.17E-04	-5.73E-03	-5.73E-05	-7.13E-03	-1.19E-02	-4.55E-03	-7.59E-04	-6.89E-03	-2.30E-04	-4.18E+00	-3.48E-02
48	367587	757909	School	9.23E-01	4.20E-05	-1.10E-03	-5.52E-03	-7.99E-02	-3.81E-04	-5.26E-03	-5.26E-05	-6.62E-03	-1.10E-02	-4.22E-03	-7.04E-04	-6.40E-03	-2.13E-04	-3.87E+00	-3.23E-02
49	367623	757866	School	5.30E-01	2.41E-05	-1.18E-03	-5.89E-03	-8.67E-02	-4.13E-04	-5.66E-03	-5.66E-05	-7.07E-03	-1.18E-02	-4.52E-03	-7.53E-04	-6.83E-03	-2.28E-04	-4.14E+00	-3.45E-02
50	367694	757866	School	8.08E-01	3.67E-05	-1.18E-03	-5.88E-03	-8.57E-02	-4.08E-04	-5.61E-03	-5.61E-05	-7.06E-03	-1.18E-02	-4.51E-03	-7.51E-04	-6.83E-03	-2.28E-04	-4.13E+00	-3.44E-02
51	367716	757927	School	5.18E-01	2.36E-05	-1.19E-03	-5.97E-03	-8.58E-02	-4.09E-04	-5.68E-03	-5.68E-05	-7.17E-03	-1.19E-02	-4.56E-03	-7.61E-04	-6.93E-03	-2.31E-04	-4.19E+00	-3.49E-02
52	367737	757988	School	-1.86E-01	-8.45E-06	-1.21E-03	-6.04E-03	-8.46E-02	-4.03E-04	-5.76E-03	-5.76E-05	-7.25E-03	-1.21E-02	-4.60E-03	-7.67E-04	-7.01E-03	-2.34E-04	-4.22E+00	-3.52E-02
53	367727	758067	School	-7.61E-01	-3.46E-05	-1.17E-03	-5.87E-03	-8.13E-02	-3.87E-04	-5.61E-03	-5.61E-05	-7.04E-03	-1.17E-02	-4.47E-03	-7.44E-04	-6.81E-03	-2.27E-04	-4.10E+00	-3.41E-02
54	367716	758146	School	-4.51E-01	-2.05E-05	-1.19E-03	-5.96E-03	-8.29E-02	-3.95E-04	-5.75E-03	-5.75E-05	-7.15E-03	-1.19E-02	-4.53E-03	-7.56E-04	-6.91E-03	-2.30E-04	-4.16E+00	-3.47E-02
56	367723	758254	School	2.74E-02	1.25E-06	-9.47E-04	-4.73E-03	-6.98E-02	-3.32E-04	-4.57E-03	-4.57E-05	-5.68E-03	-9.47E-03	-3.63E-03	-6.05E-04	-5.49E-03	-1.83E-04	-3.33E+00	-2.78E-02
57	367784	758221	School	-4.32E-02	-1.96E-06	-9.86E-04	-4.93E-03	-7.22E-02	-3.44E-04	-4.75E-03	-4.75E-05	-5.92E-03	-9.86E-03	-3.78E-03	-6.30E-04	-5.72E-03	-1.91E-04	-3.46E+00	-2.89E-02
58	367845	758189	School	-1.64E-01	-7.43E-06	-1.02E-03	-5.12E-03	-7.46E-02	-3.55E-04	-4.92E-03	-4.92E-05	-6.14E-03	-1.02E-02	-3.92E-03	-6.53E-04	-5.94E-03	-1.98E-04	-3.60E+00	-3.00E-02
106	370247	758254	School	-3.65E+00	-1.66E-04	-2.83E-03	-1.42E-02	-1.98E-01	-9.45E-04	-1.42E-02	-1.42E-04	-1.70E-02	-2.83E-02	-1.08E-02	-1.80E-03	-1.64E-02	-5.47E-04	-9.89E+00	-8.24E-02
107	370250	758189	School	-3.97E+00	-1.80E-04	-3.17E-03	-1.59E-02	-2.23E-01	-1.06E-03	-1.60E-02	-1.60E-04	-1.90E-02	-3.17E-02	-1.21E-02	-2.02E-03	-1.84E-02	-6.13E-04	-1.11E+01	-9.24E-02
108	370308	758196	School	-3.46E+00	-1.57E-04	-3.96E-03	-1.98E-02	-2.79E-01	-1.33E-03	-2.00E-02	-2.00E-04	-2.38E-02	-3.96E-02	-1.51E-02	-2.52E-03	-2.30E-02	-7.66E-04	-1.39E+01	-1.15E-01
109	370361	758236	School	-4.47E+00	-2.03E-04	-4.16E-03	-2.08E-02	-2.93E-01	-1.39E-03	-2.10E-02	-2.10E-04	-2.50E-02	-4.16E-02	-1.59E-02	-2.64E-03	-2.42E-02	-8.05E-04	-1.46E+01	-1.21E-01
110	370415	758275	School	-5.23E+00	-2.38E-04	-3.81E-03	-1.91E-02	-2.69E-01	-1.28E-03	-1.93E-02	-1.93E-04	-2.29E-02	-3.81E-02	-1.45E-02	-2.42E-03	-2.21E-02	-7.37E-04	-1.33E+01	-1.11E-01

Table 3-6B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 5, Horizon Year 2025 - Maximum Range
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m^3)	xylene, total Acute Hazard	arsenic (µg/m^3)	arsenic Acute Hazard	chlorine (µg/m^3)	chlorine Acute Hazard	copper (µg/m^3)	copper Acute Hazard	mercury (µg/m^3)	mercury Acute Hazard	nickel (µg/m^3)	nickel Acute Hazard	vanadium (µg/m^3)	vanadium Acute Hazard	sulfates (µg/m^3)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
302	369741	755435	School	-5.75E+00	-2.61E-04	-1.33E-03	-6.66E-03	-9.49E-02	-4.52E-04	-6.38E-03	-6.38E-05	-7.99E-03	-1.33E-02	-5.08E-03	-8.47E-04	-7.72E-03	-2.57E-04	-4.66E+00	-3.89E-02
303	369643	755434	School	-1.78E+00	-8.09E-05	-1.38E-03	-6.92E-03	-1.01E-01	-4.80E-04	-6.78E-03	-6.78E-05	-8.31E-03	-1.38E-02	-5.30E-03	-8.84E-04	-8.03E-03	-2.68E-04	-4.86E+00	-4.05E-02

Note: Shaded cells indicate locations where concentrations were highest within each land use category.

Table 3-7A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 6, Horizon Year 2025 - Maximum Range Construction and Operation TAC Concentrations

Receptor Location	acetaldehyde (µg/m³)	acrolein (µg/m³)	benzene (µg/m³)	formaldehyde (µg/m³)	methyl alcohol (µg/m³)	methyl ethyl ketone (µg/m³)	phenol (carbolic acid) (µg/m³)	styrene (µg/m³)	toluene (µg/m³)	xylene, total (µg/m³)	arsenic (µg/m³)	chlorine (µg/m³)	copper (µg/m³)	mercury (µg/m³)	nickel (µg/m³)	vanadium (µg/m³)	sulfates (µg/m³)
Commercial - Onsite																	
Maximum Onsite Concentration-->	-1.96E+00	1.77E+00	-5.79E+00	-1.91E+00	1.16E+00	-1.02E+00	5.59E-01	-5.00E-02	-1.11E+01	-9.82E+00	-3.72E-03	-2.33E-01	-1.81E-02	-2.23E-02	-1.40E-02	-2.16E-02	-1.28E+01
Commercial - Offsite																	
Maximum Offsite Concentration-->	6.72E+00	3.99E+00	9.67E+00	2.13E+01	3.10E+00	-2.83E-02	1.19E+00	7.71E-01	1.15E+01	1.08E+01	2.32E-03	1.84E-01	1.29E-02	1.39E-02	9.00E-03	1.35E-02	8.25E+00
Average Offsite Concentration-->	2.12E+00	1.85E+00	3.80E-01	7.23E+00	1.35E+00	-2.25E-01	5.58E-01	1.98E-01	-1.17E+00	-1.01E+00	-1.85E-03	-1.30E-01	-9.00E-03	-1.11E-02	-7.03E-03	-1.07E-02	-6.45E+00
Minimum Offsite Concentration-->	-1.88E+00	-2.55E-01	-4.85E+00	-4.73E+00	-3.02E-01	-6.65E-01	-6.54E-02	-2.16E-01	-7.96E+00	-6.91E+00	-1.11E-02	-7.74E-01	-5.61E-02	-6.64E-02	-4.21E-02	-6.41E-02	-3.86E+01
Recreational																	
Maximum Offsite Concentration-->	5.22E+00	3.38E+00	2.75E+00	1.57E+01	2.52E+00	-9.53E-02	1.01E+00	4.44E-01	1.81E+00	1.69E+00	-4.21E-04	-2.63E-02	-1.78E-03	-2.53E-03	-1.58E-03	-2.44E-03	-1.45E+00
Average Offsite Concentration-->	2.58E+00	1.86E+00	1.01E+00	8.25E+00	1.37E+00	-1.36E-01	5.58E-01	2.24E-01	-1.16E-01	-8.89E-02	-9.68E-04	-6.68E-02	-4.65E-03	-5.81E-03	-3.68E-03	-5.62E-03	-3.38E+00
Minimum Offsite Concentration-->	1.30E+00	1.08E+00	-4.92E-01	4.27E+00	7.93E-01	-2.03E-01	3.25E-01	1.07E-01	-2.26E+00	-2.10E+00	-1.62E-03	-1.09E-01	-7.79E-03	-9.74E-03	-6.14E-03	-9.41E-03	-5.64E+00
Residential																	
Maximum Offsite Concentration-->	1.09E+01	6.93E+00	4.46E+00	3.24E+01	5.11E+00	-9.57E-02	2.07E+00	8.53E-01	3.62E+00	3.31E+00	-6.98E-04	-4.94E-02	-3.35E-03	-4.19E-03	-2.66E-03	-4.05E-03	-2.44E+00
Average Offsite Concentration-->	2.96E+00	2.24E+00	5.09E-01	9.27E+00	1.63E+00	-1.92E-01	6.72E-01	2.42E-01	-1.22E+00	-1.13E+00	-1.79E-03	-1.26E-01	-8.79E-03	-1.07E-02	-6.82E-03	-1.04E-02	-6.25E+00
Minimum Offsite Concentration-->	-1.41E+00	-3.57E-04	-3.65E+00	-3.17E+00	-7.51E-02	-4.41E-01	1.08E-02	-1.29E-01	-6.19E+00	-5.66E+00	-3.88E-03	-2.70E-01	-1.93E-02	-2.33E-02	-1.48E-02	-2.25E-02	-1.35E+01
School																	
Maximum Offsite Concentration-->	3.99E+00	2.75E+00	2.05E+00	1.21E+01	2.03E+00	-1.39E-01	8.23E-01	3.45E-01	1.06E+00	1.00E+00	-9.44E-04	-6.95E-02	-4.55E-03	-5.67E-03	-3.62E-03	-5.48E-03	-3.32E+00
Average Offsite Concentration-->	2.17E+00	1.78E+00	1.17E-01	6.96E+00	1.29E+00	-1.90E-01	5.36E-01	1.81E-01	-1.46E+00	-1.33E+00	-1.79E-03	-1.27E-01	-8.82E-03	-1.07E-02	-6.83E-03	-1.04E-02	-6.26E+00
Minimum Offsite Concentration-->	-4.91E-01	4.67E-01	-3.51E+00	-6.17E-01	2.59E-01	-2.65E-01	1.48E-01	-8.26E-02	-6.15E+00	-5.67E+00	-4.16E-03	-2.93E-01	-2.10E-02	-2.50E-02	-1.59E-02	-2.41E-02	-1.45E+01
CalEPA Acute REL	470	2.5	1300	55	28000	13000	5800	21000	37000	22000	0.2	210	100	0.6	6	30	120
Commercial - Onsite																	
Onsite Maximum Acute Hazard-->	-4.17E-03	7.08E-01	-4.45E-03	-3.48E-02	4.16E-05	-7.87E-05	9.64E-05	-2.38E-06	-2.99E-04	-4.46E-04	-1.86E-02	-1.11E-03	-1.81E-04	-3.72E-02	-2.33E-03	-7.20E-04	-1.07E-01
Commercial - Offsite																	
Offsite Maximum Acute Hazard-->	1.43E-02	1.59E+00	7.44E-03	3.88E-01	1.11E-04	-2.18E-06	2.06E-04	3.67E-05	3.11E-04	4.92E-04	1.16E-02	8.75E-04	1.29E-04	2.32E-02	1.50E-03	4.49E-04	6.88E-02
Offsite Average Acute Hazard-->	4.51E-03	7.40E-01	2.92E-04	1.31E-01	4.83E-05	-1.73E-05	9.63E-05	9.44E-06	-3.17E-05	-4.61E-05	-9.23E-03	-6.17E-04	-9.00E-05	-1.85E-02	-1.17E-03	-3.57E-04	-5.37E-02
Offsite Minimum Acute Hazard-->	-4.01E-03	-1.02E-01	-3.73E-03	-8.59E-02	-1.08E-05	-5.12E-05	-1.13E-05	-1.03E-05	-2.15E-04	-3.14E-04	-5.53E-02	-3.68E-03	-5.61E-04	-1.11E-01	-7.02E-03	-2.14E-03	-3.22E-01
Recreational																	
Offsite Maximum Acute Hazard-->	1.11E-02	1.35E+00	2.12E-03	2.86E-01	8.98E-05	-7.33E-06	1.74E-04	2.11E-05	4.89E-05	7.68E-05	-2.11E-03	-1.25E-04	-1.78E-05	-4.21E-03	-2.64E-04	-8.14E-05	-1.21E-02
Offsite Average Acute Hazard-->	5.48E-03	7.45E-01	7.80E-04	1.50E-01	4.91E-05	-1.05E-05	9.63E-05	1.07E-05	-3.14E-06	-4.04E-06	-4.84E-03	-3.18E-04	-4.65E-05	-9.68E-03	-6.14E-04	-1.87E-04	-2.81E-02
Offsite Minimum Acute Hazard-->	2.77E-03	4.31E-01	-3.78E-04	7.76E-02	2.83E-05	-1.56E-05	5.61E-05	5.10E-06	-6.11E-05	-9.55E-05	-8.11E-03	-5.17E-04	-7.79E-05	-1.62E-02	-1.02E-03	-3.14E-04	-4.70E-02
Residential																	
Offsite Maximum Acute Hazard-->	2.31E-02	2.77E+00	3.43E-03	5.88E-01	1.82E-04	-7.36E-06	3.56E-04	4.06E-05	9.77E-05	1.50E-04	-3.49E-03	-2.35E-04	-3.35E-05	-6.98E-03	-4.44E-04	-1.35E-04	-2.04E-02
Offsite Average Acute Hazard-->	6.29E-03	8.96E-01	3.92E-04	1.68E-01	5.84E-05	-1.48E-05	1.16E-04	1.15E-05	-3.30E-05	-5.12E-05	-8.94E-03	-6.02E-04	-8.79E-05	-1.79E-02	-1.14E-03	-3.46E-04	-5.21E-02
Offsite Minimum Acute Hazard-->	-3.01E-03	-1.43E-04	-2.81E-03	-5.76E-02	-2.68E-06	-3.39E-05	1.86E-06	-6.16E-06	-1.67E-04	-2.57E-04	-1.94E-02	-1.29E-03	-1.93E-04	-3.88E-02	-2.46E-03	-7.49E-04	-1.13E-01
School																	
Offsite Maximum Acute Hazard-->	8.50E-03	1.10E+00	1.57E-03	2.21E-01	7.24E-05	-1.07E-05	1.42E-04	1.64E-05	2.86E-05	4.55E-05	-4.72E-03	-3.31E-04	-4.55E-05	-9.44E-03	-6.03E-04	-1.83E-04	-2.77E-02
Offsite Average Acute Hazard-->	4.62E-03	7.13E-01	8.96E-05	1.26E-01	4.62E-05	-1.46E-05	9.25E-05	8.63E-06	-3.95E-05	-6.02E-05	-8.94E-03	-6.05E-04	-8.82E-05	-1.79E-02	-1.14E-03	-3.46E-04	-5.22E-02
Offsite Minimum Acute Hazard-->	-1.04E-03	1.87E-01	-2.70E-03	-1.12E-02	9.25E-06	-2.04E-05	2.55E-05	-3.93E-06	-1.66E-04	-2.58E-04	-2.08E-02	-1.39E-03	-2.10E-04	-4.16E-02	-2.64E-03	-8.04E-04	-1.21E-01

Table 3-7A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 6, Horizon Year 2025 - Maximum Range Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
117	370814	758243	Offsite Worker	1.41E+00	1.48E+00	-8.01E-01	4.93E+00	1.05E+00	-2.38E-01	4.48E-01	1.15E-01	-2.65E+00	-2.41E+00	-1.79E-03	-1.28E-01	-8.86E-03	-1.07E-02	-6.82E-03	-1.04E-02	-6.26E+00
118	370810	758153	Offsite Worker	1.53E+00	1.57E+00	-6.93E-01	5.35E+00	1.12E+00	-2.45E-01	4.75E-01	1.29E-01	-2.56E+00	-2.32E+00	-2.05E-03	-1.47E-01	-1.02E-02	-1.23E-02	-7.84E-03	-1.19E-02	-7.19E+00
119	370807	758063	Offsite Worker	2.22E+00	1.97E+00	-1.14E-01	7.39E+00	1.42E+00	-2.45E-01	5.93E-01	1.91E-01	-1.99E+00	-1.80E+00	-2.34E-03	-1.69E-01	-1.16E-02	-1.40E-02	-8.94E-03	-1.36E-02	-8.20E+00
120	370803	757974	Offsite Worker	2.66E+00	2.27E+00	-3.12E-01	8.70E+00	1.64E+00	-2.65E-01	6.84E-01	2.13E-01	-2.55E+00	-2.34E+00	-2.73E-03	-1.95E-01	-1.35E-02	-1.64E-02	-1.04E-02	-1.58E-02	-9.56E+00
121	370835	757927	Offsite Worker	3.44E+00	2.59E+00	-5.44E-01	1.07E+01	1.86E+00	-2.21E-01	7.78E-01	2.36E-01	-3.14E+00	-2.96E+00	-2.98E-03	-2.11E-01	-1.48E-02	-1.79E-02	-1.14E-02	-1.73E-02	-1.04E+01
122	370868	757880	Offsite Worker	3.28E+00	2.53E+00	1.70E-01	1.04E+01	1.84E+00	-2.30E-01	7.60E-01	2.58E-01	-1.98E+00	-1.85E+00	-2.69E-03	-1.88E-01	-1.32E-02	-1.61E-02	-1.02E-02	-1.56E-02	-9.40E+00
123	370921	757884	Offsite Worker	3.39E+00	2.57E+00	1.71E-02	1.06E+01	1.86E+00	-2.22E-01	7.72E-01	2.55E-01	-2.32E+00	-2.15E+00	-2.96E-03	-2.07E-01	-1.45E-02	-1.78E-02	-1.13E-02	-1.72E-02	-1.03E+01
124	370975	757887	Offsite Worker	3.77E+00	2.82E+00	6.07E-01	1.18E+01	2.06E+00	-2.34E-01	8.46E-01	3.04E-01	-1.57E+00	-1.46E+00	-2.69E-03	-1.86E-01	-1.31E-02	-1.61E-02	-1.02E-02	-1.56E-02	-9.38E+00
125	370975	757794	Offsite Worker	5.13E+00	3.67E+00	2.14E+00	1.60E+01	2.71E+00	-2.60E-01	1.10E+00	4.49E-01	8.88E-02	8.70E-02	-1.93E-03	-1.32E-01	-9.01E-03	-1.16E-02	-7.34E-03	-1.12E-02	-6.74E+00
126	371026	757794	Offsite Worker	5.57E+00	3.99E+00	1.69E+00	1.73E+01	2.93E+00	-2.80E-01	1.19E+00	4.62E-01	-8.75E-01	-8.34E-01	-1.89E-03	-1.32E-01	-8.72E-03	-1.13E-02	-7.18E-03	-1.09E-02	-6.59E+00
127	371076	757877	Offsite Worker	5.00E+00	3.54E+00	1.90E+00	1.55E+01	2.61E+00	-2.40E-01	1.06E+00	4.26E-01	-1.73E-01	-1.66E-01	-1.92E-03	-1.38E-01	-9.06E-03	-1.15E-02	-7.33E-03	-1.11E-02	-6.72E+00
128	371126	757959	Offsite Worker	4.63E+00	3.24E+00	2.08E+00	1.43E+01	2.40E+00	-2.05E-01	9.69E-01	4.03E-01	3.64E-01	3.41E-01	-1.90E-03	-1.36E-01	-9.07E-03	-1.14E-02	-7.26E-03	-1.10E-02	-6.66E+00
129	371119	758031	Offsite Worker	3.68E+00	2.74E+00	1.49E+00	1.16E+01	2.02E+00	-2.23E-01	8.22E-01	3.31E-01	-1.36E-01	-9.84E-02	-1.79E-03	-1.27E-01	-8.59E-03	-1.07E-02	-6.82E-03	-1.04E-02	-6.26E+00
143	371953	757977	Offsite Worker	1.28E+00	1.88E+00	-1.42E-01	5.25E+00	1.36E+00	-4.04E-01	5.70E-01	1.82E-01	-2.00E+00	-1.70E+00	-1.31E-03	-9.66E-02	-6.30E-03	-7.88E-03	-5.04E-03	-7.62E-03	-4.62E+00
144	371948	757880	Offsite Worker	1.80E+00	1.90E+00	-3.47E-01	6.35E+00	1.37E+00	-3.07E-01	5.75E-01	1.75E-01	-2.32E+00	-2.07E+00	-1.03E-03	-7.63E-02	-4.88E-03	-6.18E-03	-3.96E-03	-5.98E-03	-3.63E+00
145	371943	757783	Offsite Worker	6.94E-01	1.61E+00	-2.64E+00	3.46E+00	1.10E+00	-4.28E-01	4.90E-01	5.65E-02	-5.62E+00	-5.13E+00	-1.54E-03	-1.18E-01	-7.53E-03	-9.22E-03	-5.93E-03	-8.92E-03	-5.43E+00
146	372016	757794	Offsite Worker	7.54E-01	1.50E+00	-2.59E+00	3.43E+00	1.02E+00	-3.77E-01	4.57E-01	4.71E-02	-5.47E+00	-5.00E+00	-1.57E-03	-1.17E-01	-7.70E-03	-9.41E-03	-6.03E-03	-9.10E-03	-5.53E+00
147	372102	757791	Offsite Worker	6.24E-01	1.34E+00	-2.52E+00	2.94E+00	9.08E-01	-3.46E-01	4.08E-01	3.37E-02	-5.23E+00	-4.78E+00	-1.61E-03	-1.18E-01	-7.91E-03	-9.63E-03	-6.15E-03	-9.31E-03	-5.65E+00
148	372178	757760	Offsite Worker	5.23E-01	1.32E+00	-1.98E+00	2.77E+00	9.12E-01	-3.60E-01	4.04E-01	5.34E-02	-4.40E+00	-3.97E+00	-1.46E-03	-1.09E-01	-7.21E-03	-8.75E-03	-5.60E-03	-8.46E-03	-5.14E+00
149	372177	757670	Offsite Worker	1.19E+00	1.58E+00	-8.30E-01	4.62E+00	1.13E+00	-3.17E-01	4.80E-01	1.24E-01	-2.84E+00	-2.52E+00	-1.50E-03	-1.07E-01	-7.37E-03	-8.98E-03	-5.72E-03	-8.69E-03	-5.25E+00
150	372176	757579	Offsite Worker	1.10E+00	1.64E+00	-3.58E-01	4.60E+00	1.19E+00	-3.56E-01	4.99E-01	1.49E-01	-2.18E+00	-1.87E+00	-1.10E-03	-8.62E-02	-5.36E-03	-6.57E-03	-4.24E-03	-6.35E-03	-3.89E+00
151	372174	757489	Offsite Worker	8.42E-01	1.52E+00	-6.17E-01	3.95E+00	1.10E+00	-3.68E-01	4.65E-01	1.28E-01	-2.48E+00	-2.14E+00	-7.67E-04	-6.04E-02	-3.65E-03	-4.60E-03	-2.97E-03	-4.45E-03	-2.72E+00
152	372173	757398	Offsite Worker	1.70E+00	1.80E+00	1.68E-01	6.24E+00	1.32E+00	-2.93E-01	5.47E-01	1.86E-01	-1.48E+00	-1.26E+00	-1.02E-03	-8.46E-02	-4.95E-03	-6.14E-03	-3.99E-03	-5.94E-03	-3.66E+00
153	372171	757308	Offsite Worker	2.90E+00	2.23E+00	1.55E+00	9.53E+00	1.66E+00	-2.00E-01	6.70E-01	2.82E-01	3.36E-01	3.85E-01	-9.81E-04	-6.80E-02	-4.54E-03	-5.88E-03	-3.73E-03	-5.69E-03	-3.42E+00
154	372055	757309	Offsite Worker	2.22E+00	2.10E+00	5.08E-01	7.88E+00	1.54E+00	-2.92E-01	6.35E-01	2.28E-01	-1.23E+00	-1.03E+00	-1.26E-03	-1.06E-01	-6.17E-03	-7.55E-03	-4.92E-03	-7.30E-03	-4.51E+00
156	372055	757416	Offsite Worker	4.22E-01	1.44E+00	-7.02E-01	3.04E+00	1.04E+00	-4.22E-01	4.41E-01	1.16E-01	-2.55E+00	-2.17E+00	-1.10E-03	-9.72E-02	-5.49E-03	-6.62E-03	-4.35E-03	-6.40E-03	-3.98E+00
157	371952	757442	Offsite Worker	1.41E+00	1.88E+00	-2.46E-01	5.69E+00	1.36E+00	-3.78E-01	5.70E-01	1.77E-01	-2.21E+00	-1.90E+00	-1.27E-03	-9.01E-02	-6.20E-03	-7.63E-03	-4.85E-03	-7.38E-03	-4.45E+00
158	371950	757345	Offsite Worker	3.08E-01	1.67E+00	-1.38E+00	3.31E+00	1.19E+00	-5.28E-01	5.13E-01	1.13E-01	-3.80E+00	-3.30E+00	-1.56E-03	-1.48E-01	-7.95E-03	-9.35E-03	-6.22E-03	-9.04E-03	-5.70E+00
159	371864	757344	Offsite Worker	-4.09E-01	1.58E+00	-1.77E+00	1.73E+00	1.12E+00	-6.41E-01	4.89E-01	8.94E-02	-4.36E+00	-3.76E+00	-1.45E-03	-1.36E-01	-7.32E-03	-8.72E-03	-5.78E-03	-8.43E-03	-5.30E+00
160	371790	757347	Offsite Worker	-2.50E-01	1.55E+00	-1.28E+00	2.05E+00	1.11E+00	-5.99E-01	4.80E-01	1.06E-01	-3.59E+00	-3.05E+00	-1.41E-03	-1.13E-01	-6.91E-03	-8.43E-03	-5.46E-03	-8.15E-03	-5.01E+00
161	371708	757356	Offsite Worker	1.24E+00	1.93E+00	-3.83E-01	5.66E+00	1.40E+00	-4.29E-01	5.87E-01	1.77E-01	-2.49E+00	-2.12E+00	-1.46E-03	-1.01E-01	-7.08E-03	-8.77E-03	-5.56E-03	-8.48E-03	-5.10E+00
162	371615	757356	Offsite Worker	2.13E+00	2.16E+00	1.80E-01	7.85E+00	1.57E+00	-3.31E-01	6.53E-01	2.21E-01	-1.81E+00	-1.55E+00	-1.55E-03	-9.56E-02	-7.43E-03	-9.32E-03	-5.82E-03	-9.01E-03	-5.34E+00
163	371523	757356	Offsite Worker	2.69E+00	2.41E+00	6.61E-01	9.39E+00	1.77E+00	-3.06E-01	7.28E-01	2.65E-01	-1.27E+00	-1.07E+00	-1.84E-03	-1.18E-01	-8.87E-03	-1.10E-02	-6.92E-03	-1.07E-02	-6.35E+00
164	371430	757356	Offsite Worker	3.41E+00	2.78E+00	1.11E+00	1.14E+01	2.04E+00	-2.92E-01	8.36E-01	3.19E-01	-8.55E-01	-7.10E-01	-2.16E-03	-1.51E-01	-1.06E-02	-1.29E-02	-8.21E-03	-1.25E-02	-7.53E+00
165	371338	757356	Offsite Worker	3.60E+00	3.00E+00	1.02E+00	1.20E+01	2.20E+00	-3.31E-01	9.03E-01	3.38E-01	-1.20E+00	-1.02E+00	-2.66E-03	-1.98E-01	-1.32E-02	-1.60E-02	-1.02E-02	-1.54E-02	-9.37E+00
166	371245	757356	Offsite Worker	3.41E+00	3.15E+00	3.15E-01	1.17E+01	2.29E+00	-4.22E-01	9.49E-01	3.25E-01	-2.41E+00	-2.13E+00	-3.46E-03	-2.66E-01	-1.73E-02	-2.08E-02	-1.34E-02	-2.01E-02	-1.22E+01
167	371153	757356	Offsite Worker	3.32E+00	3.24E+00	-7.40E-01	1.15E+01	2.34E+00	-4.74E-01	9.80E-01	2.93E-01	-4.15E+00	-3.75E+00	-4.27E-03	-3.31E-01	-2.15E-02	-2.56E-02	-1.65E-02	-2.48E-02	-1.51E+01
168	371061	757356	Offsite Worker	3.20E+00	3.32E+00	-1.66E+00	1.12E+01	2.36E+00	-5.25E-01	1.00E+00	2.64E-01	-5.66E+00	-5.15E+00	-4.90E-03	-3.81E-01	-2.47E-02	-2.94E-02	-1.89E-02	-2.84E-02	-1.74E+01
169	371005	757357	Offsite Worker	2.84E+00	3.23E+00	-2.40E+00	1.03E+01	2.28E+00	-5.68E-01	9.78E-01	2.27E-01	-6.70E+00	-6.13E+00	-5.12E-03	-3.96E-01	-2.57E-02	-3.07E-02	-1.98E-02	-2.97E-02	-1.81E+01
170	370998	757293	Offsite Worker	2.95E+00	3.57E+00	-1.11E+00	1.11E+01	2.57E+00	-6.65E-01	1.08E+00	3.12E-01	-5.10E+00	-4.52E+00	-4.47E-03	-3.51E-01	-2.24E-02	-2.68E-02	-1.73E-02	-2.59E-02	-1.59E+01
171	370998	757194	Offsite Worker	3.25E+00	3.40E+00	1.95E+00	1.23E+01	2.52E+00	-5.41E-01	1.03E+00	4.14E-01	-2.45E-01	4.23E-02	-2.95E-03	-2.31E-01	-1.45E-02	-1.77E-02	-1.14E-02	-1.71E-02	-1.05E+01
172	370998	757096	Offsite Worker	1.91E+00	2.82E+00	1.46E+00	8.96E+00	2.11E+00	-6.12E-01	8.62E-01	3.39E-01	-6.06E-01	-1.98E-01	-2.70E-03	-1.92E-01	-1.30E-02	-1.62E-02	-1.03E-02	-1.57E-02	-9.45E+00
173	370998	756998	Offsite Worker	2.28E-01	1.74E+00	-3.16E+00	3.47E+00	1.22E+00	-5.75E-01	5.61E-01	4.21E-02	-7.96E+00	-6.81E+00	-2.86E-03	-1.94E-01	-1.41E-02	-1.72E-02	-1.09E-02	-1.66E-02	-9.96E+00
174	371057	756997	Offsite Worker	1.42E+00	2.10E+00	-1.85E+00	6.66E+00	1.49E+00	-4.56E-01	6.53E-01	1.31E-01	-5.67E+00	-4.90E+00	-2.98E-03	-1.99E-01	-1.47E-02	-1.79E-02	-1.13E-02	-1.73E-02	-1.03E+01
175	371153	756997	Offsite Worker	1.01E+00	2.02E+00	-1.92E+00	5.73E+00	1.43E+00	-5.11E-01	6.26E-01	1.22E-01	-5.49E+00	-4.76E+00	-2.29E-03	-1.51E-01	-1.12E-02	-1.37E-02	-8.64E-03	-1.33E-02	-7.93E+00
176	371249	756997	Offsite Worker	1.10E+00	2.05E+00	-2.16E+00	5.89E+00	1.45E+00	-5.04E-01	6.36E-01	1.15E-01	-5.98E+00	-5.21E+00	-2.28E-03	-1.45E-01	-1.11E-02	-1.37E-02	-8.58E-03	-1.32E-02	-7.87E+00
177	371345	756997	Offsite Worker	2.28E+00	2.45E+00	-1.70E+00	8.90E+00	1.75E+00	-4.09E-01	7.57E-01	1.73E-01	-5.67E+00	-4.97E+00	-1.87E-03	-1.06E-01	-8.86E-03	-1.12E-02	-6.94E-03	-1.08E-02	-6.37E+00
178	371440	756997	Offsite Worker	3.52E+00	2.97E+00	1.50E-02	1.24E+01	2.16E+00	-3.37E-01	8.99E-01	2.93E-01	-2.97E+00	-2.63E+00	-1.79E-03	-1.01E-01	-8.40E-03	-1.07E-02	-6.64E-03	-1.04E-02	-6.10E+00
179	371536	756997	Offsite Worker	4.25E+00	3.22E+00	1.16E+00	1.44E+01	2.37E+00	-2.79E-01	9.71E-01	3.64E-01	-1.29E+00	-1.11E+00	-1.83E-03	-1.06E-01	-8.61E-03	-1.10E-02	-6.83E-03	-1.06E-02	-6.26E+00
180	371632	756997	Offsite Worker	4.52E+00	3.24E+00	2.11E+00	1.51E+01	2.40E+00	-2.29E-01	9.72E-01	4.03E-01	2.42E-01	2.95E-01	-1.76E-03	-1.05E-01	-8.27E-03	-1.05E-02	-6.56E-03	-1.02E-02	-6.02E+00
181	371728	756997	Offsite Worker	4.54E+00	3.14E+00	2.46E+00	1.51E+01	2.34E+00	-1.90E-01	9.42E-01	4.08E-01	9.18E-01	9.03E-01	-1.46E-03	-9.27E-02	-6.87E-03	-8.74E-03	-5.48E-03	-8.44E-03	-5.03E+00
182	371824	756997	Offsite Worker	3.87E+00	2.76E+00	1.82E+00	1.31E+01	2.05E+00	-1.92E-01	8.30E-01	3.45E-01	2.51E-01	2.87E-01	-1.35E-03	-8.25E-02	-6.35E-03	-8.13E-03	-5.07E-03	-7.85E-03	-4.65E+00
183	371920	756997	Offsite Worker	2.28E+00	1.93E+00	1.68E+00	8.66E+00	1.45E+00	-2.20E-01	5.84E-01	2.57E-01	6.70E-01	7.67E-01	-2.08E-04	1.01E-02	-2.05E-04	-1.25E-03	-6.14E-04	-1.20E-03	-5.66E-01
184	372016	756997	Offsite Worker	2.39E+00	1.95E+00	2.43E+00	9.01E+00	1.48E+00	-2.05E-01	5.90E-01	2.88E-01	1.82E+00	1.85E+00	3.66E-04	4.84E-02	2.75E-03	2.20E-03	1.56E-03	2.12E-03	1.42E+00
185	372111	756997	Offsite Worker	3.86E+00	2.62E+00	4.93E+00	1.32E+01	2.03E+00	-1.44E-01	7.88E-01	4.54E-01	5.18E+00	4.96E+00	8.10E-04	6.78E-02	4.96E-03	4.86E-03	3.16E-03	4.70E-03	2.90E+00
186	372207	756997	Offsite Worker	1.91E+00	1.62E+00	2.26E+00	7.57E+00	1.24E+00	-1.88E-01	4.92E-01	2.50E-01	1.84E+00	1.88E+00	2.25E-04	2.09E-02	1.77E-03	1.35E-03	8.95E-04	1.31E-03	8.20E-01

Table 3-7A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 6, Horizon Year 2025 - Maximum Range Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
187	372303	756997	Offsite Worker	3.17E+00	2.24E+00	3.50E+00	1.11E+01	1.72E+00	-1.49E-01	6.72E-01	3.59E-01	3.30E+00	3.19E+00	4.37E-04	4.25E-02	2.99E-03	2.62E-03	1.75E-03	2.53E-03	1.60E+00
188	372399	756997	Offsite Worker	4.12E+00	2.70E+00	5.04E+00	1.39E+01	2.09E+00	-1.18E-01	8.09E-01	4.66E-01	5.31E+00	5.06E+00	8.85E-04	7.60E-02	5.36E-03	5.31E-03	3.47E-03	5.13E-03	3.18E+00
189	372495	756997	Offsite Worker	6.43E+00	3.82E+00	9.31E+00	2.06E+01	3.01E+00	-4.62E-02	1.14E+00	7.46E-01	1.10E+01	1.04E+01	2.19E-03	1.73E-01	1.23E-02	1.32E-02	8.49E-03	1.27E-02	7.78E+00
190	372591	756997	Offsite Worker	6.72E+00	3.93E+00	9.67E+00	2.13E+01	3.10E+00	-2.83E-02	1.17E+00	7.71E-01	1.15E+01	1.08E+01	2.32E-03	1.84E-01	1.29E-02	1.39E-02	9.00E-03	1.35E-02	8.25E+00
191	372610	757063	Offsite Worker	6.03E+00	3.57E+00	8.91E+00	1.89E+01	2.82E+00	-3.94E-02	1.07E+00	7.05E-01	1.06E+01	1.00E+01	2.28E-03	1.78E-01	1.26E-02	1.37E-02	8.80E-03	1.32E-02	8.07E+00
192	372612	757132	Offsite Worker	3.88E+00	2.48E+00	4.09E+00	1.26E+01	1.90E+00	-8.99E-02	7.41E-01	4.06E-01	4.09E+00	3.87E+00	7.32E-04	6.69E-02	4.43E-03	4.39E-03	2.90E-03	4.24E-03	2.66E+00
193	372614	757201	Offsite Worker	1.23E+00	1.15E+00	7.47E-03	5.32E+00	8.36E-01	-1.56E-01	3.48E-01	1.14E-01	-1.15E+00	-1.00E+00	-7.01E-04	-4.10E-02	-3.21E-03	-4.20E-03	-2.61E-03	-4.06E-03	-2.40E+00
194	372616	757270	Offsite Worker	1.92E+00	1.50E+00	1.22E+00	6.83E+00	1.12E+00	-1.40E-01	4.52E-01	1.96E-01	4.53E-01	4.91E-01	-3.61E-04	-1.55E-02	-1.35E-03	-2.16E-03	-1.30E-03	-2.09E-03	-1.20E+00
195	372627	757351	Offsite Worker	2.20E+00	1.66E+00	1.87E+00	7.50E+00	1.25E+00	-1.39E-01	4.99E-01	2.38E-01	1.35E+00	1.33E+00	-1.25E-04	-3.97E-03	-1.46E-04	-7.52E-04	-4.43E-04	-7.27E-04	-4.07E-01
196	372651	757422	Offsite Worker	2.25E+00	1.68E+00	1.86E+00	7.56E+00	1.27E+00	-1.37E-01	5.05E-01	2.40E-01	1.30E+00	1.28E+00	-1.89E-04	-7.36E-03	-5.02E-04	-1.13E-03	-6.78E-04	-1.10E-03	-6.23E-01
197	372676	757494	Offsite Worker	2.55E+00	1.87E+00	1.87E+00	8.38E+00	1.41E+00	-1.45E-01	5.62E-01	2.59E-01	1.16E+00	1.14E+00	-5.91E-04	-3.90E-02	-2.62E-03	-3.55E-03	-2.24E-03	-3.43E-03	-2.05E+00
198	372704	757569	Offsite Worker	2.64E+00	1.92E+00	1.26E+00	8.53E+00	1.42E+00	-1.44E-01	5.77E-01	2.40E-01	1.88E-01	2.12E-01	-9.00E-04	-6.35E-02	-4.28E-03	-5.40E-03	-3.43E-03	-5.22E-03	-3.15E+00
199	372733	757645	Offsite Worker	2.18E+00	1.80E+00	5.87E-01	7.33E+00	1.32E+00	-1.93E-01	5.41E-01	2.01E-01	-7.46E-01	-6.43E-01	-9.72E-04	-6.95E-02	-4.71E-03	-5.83E-03	-3.71E-03	-5.64E-03	-3.41E+00
200	372746	757702	Offsite Worker	1.81E+00	1.67E+00	1.48E-01	6.30E+00	1.22E+00	-2.25E-01	5.05E-01	1.72E-01	-1.33E+00	-1.17E+00	-8.76E-04	-6.32E-02	-4.26E-03	-5.26E-03	-3.35E-03	-5.08E-03	-3.07E+00
201	372746	757768	Offsite Worker	1.37E+00	1.48E+00	-1.68E-01	4.99E+00	1.08E+00	-2.46E-01	4.50E-01	1.41E-01	-1.68E+00	-1.48E+00	-1.04E-03	-7.71E-02	-5.16E-03	-6.27E-03	-4.01E-03	-6.06E-03	-3.67E+00
202	372807	757781	Offsite Worker	1.48E+00	1.50E+00	-4.93E-02	5.29E+00	1.09E+00	-2.32E-01	4.55E-01	1.47E-01	-1.51E+00	-1.32E+00	-9.41E-04	-6.80E-02	-4.62E-03	-5.64E-03	-3.60E-03	-5.46E-03	-3.30E+00
203	372901	757782	Offsite Worker	1.75E+00	1.56E+00	2.67E-01	6.28E+00	1.14E+00	-1.96E-01	4.69E-01	1.65E-01	-1.05E+00	-9.14E-01	-5.25E-04	-2.86E-02	-2.38E-03	-3.15E-03	-1.94E-03	-3.04E-03	-1.78E+00
204	372994	757783	Offsite Worker	2.02E+00	1.62E+00	5.79E-01	7.03E+00	1.19E+00	-1.62E-01	4.86E-01	1.83E-01	-6.03E-01	-5.18E-01	-8.24E-04	-4.83E-02	-3.91E-03	-4.94E-03	-3.07E-03	-4.78E-03	-2.82E+00
205	373087	757783	Offsite Worker	2.26E+00	1.66E+00	9.08E-01	7.65E+00	1.23E+00	-1.30E-01	5.00E-01	2.01E-01	-1.26E-01	-8.80E-02	-9.19E-04	-5.48E-02	-4.36E-03	-5.52E-03	-3.43E-03	-5.33E-03	-3.15E+00
206	373180	757784	Offsite Worker	2.49E+00	1.72E+00	1.12E+00	8.20E+00	1.27E+00	-1.05E-01	5.16E-01	2.14E-01	1.60E-01	1.65E-01	-9.56E-04	-5.70E-02	-4.53E-03	-5.73E-03	-3.57E-03	-5.54E-03	-3.28E+00
207	373274	757785	Offsite Worker	2.50E+00	1.68E+00	1.16E+00	8.14E+00	1.24E+00	-8.65E-02	5.02E-01	2.11E-01	2.62E-01	2.55E-01	-9.00E-04	-5.19E-02	-4.25E-03	-5.40E-03	-3.35E-03	-5.22E-03	-3.07E+00
208	373367	757786	Offsite Worker	2.21E+00	1.53E+00	1.13E+00	7.28E+00	1.13E+00	-9.24E-02	4.58E-01	1.95E-01	3.37E-01	3.37E-01	-8.08E-04	-4.67E-02	-3.77E-03	-4.85E-03	-3.01E-03	-4.69E-03	-2.76E+00
209	373418	757742	Offsite Worker	2.41E+00	1.60E+00	2.14E+00	7.78E+00	1.22E+00	-7.80E-02	4.80E-01	2.43E-01	1.83E+00	1.75E+00	-6.15E-05	6.44E-03	1.53E-04	-3.69E-04	-1.58E-04	-3.57E-04	-1.46E-01
210	373418	757653	Offsite Worker	2.87E+00	1.79E+00	2.69E+00	9.07E+00	1.37E+00	-5.19E-02	5.36E-01	2.83E-01	2.55E+00	2.40E+00	1.72E-05	1.74E-02	6.46E-04	1.03E-04	1.81E-04	9.99E-05	1.64E-01
211	373419	757564	Offsite Worker	2.45E+00	1.57E+00	1.32E+00	7.77E+00	1.17E+00	-6.11E-02	4.71E-01	2.08E-01	6.31E-01	5.82E-01	-4.66E-04	-1.69E-02	-1.90E-03	-2.79E-03	-1.66E-03	-2.70E-03	-1.53E+00
212	373419	757475	Offsite Worker	1.27E+00	9.84E-01	2.92E-01	4.42E+00	7.22E-01	-9.07E-02	2.97E-01	1.09E-01	-5.21E-01	-4.47E-01	-5.73E-04	-3.62E-02	-2.69E-03	-3.44E-03	-2.15E-03	-3.32E-03	-1.98E+00
213	373420	757386	Offsite Worker	1.22E+00	9.53E-01	2.77E-01	4.25E+00	6.99E-01	-9.04E-02	2.88E-01	1.05E-01	-5.19E-01	-4.43E-01	-5.41E-04	-2.94E-02	-2.47E-03	-3.25E-03	-2.00E-03	-3.14E-03	-1.84E+00
214	373420	757297	Offsite Worker	1.41E+00	1.06E+00	2.87E-01	4.74E+00	7.73E-01	-8.81E-02	3.19E-01	1.15E-01	-6.03E-01	-5.26E-01	-6.51E-04	-3.73E-02	-3.02E-03	-3.91E-03	-2.42E-03	-3.78E-03	-2.22E+00
215	373421	757207	Offsite Worker	1.65E+00	1.18E+00	3.16E-01	5.31E+00	8.61E-01	-8.27E-02	3.54E-01	1.29E-01	-6.43E-01	-5.79E-01	-8.28E-04	-5.57E-02	-4.01E-03	-4.97E-03	-3.14E-03	-4.80E-03	-2.88E+00
216	373421	757118	Offsite Worker	1.32E+00	1.09E+00	-4.42E-02	4.28E+00	7.90E-01	-1.18E-01	3.30E-01	1.06E-01	-1.17E+00	-1.04E+00	-8.93E-04	-6.32E-02	-4.34E-03	-5.36E-03	-3.41E-03	-5.18E-03	-3.12E+00
217	373292	757117	Offsite Worker	1.78E+00	1.33E+00	2.34E-01	5.86E+00	9.74E-01	-1.12E-01	4.02E-01	1.41E-01	-9.28E-01	-8.33E-01	-9.04E-04	-6.52E-02	-4.39E-03	-5.42E-03	-3.46E-03	-5.24E-03	-3.17E+00
218	373213	757118	Offsite Worker	2.11E+00	1.51E+00	4.77E-01	7.07E+00	1.10E+00	-1.06E-01	4.53E-01	1.68E-01	-6.86E-01	-6.19E-01	-7.92E-04	-5.55E-02	-3.80E-03	-4.75E-03	-3.02E-03	-4.59E-03	-2.77E+00
219	373158	757066	Offsite Worker	2.15E+00	1.57E+00	4.38E-01	7.03E+00	1.15E+00	-1.20E-01	4.73E-01	1.73E-01	-8.09E-01	-7.29E-01	-8.42E-04	-6.10E-02	-4.05E-03	-5.05E-03	-3.22E-03	-4.88E-03	-2.95E+00
220	373084	757026	Offsite Worker	2.15E+00	1.60E+00	4.74E-01	7.10E+00	1.17E+00	-1.31E-01	4.82E-01	1.77E-01	-7.88E-01	-7.01E-01	-8.38E-04	-6.06E-02	-4.03E-03	-5.03E-03	-3.21E-03	-4.86E-03	-2.94E+00
221	373009	757011	Offsite Worker	2.58E+00	1.84E+00	7.43E-01	8.28E+00	1.35E+00	-1.29E-01	5.54E-01	2.11E-01	-5.64E-01	-5.04E-01	-7.35E-04	-5.13E-02	-3.45E-03	-4.41E-03	-2.80E-03	-4.26E-03	-2.57E+00
222	372922	757009	Offsite Worker	2.91E+00	2.02E+00	1.09E+00	9.28E+00	1.49E+00	-1.22E-01	6.05E-01	2.42E-01	-1.70E-01	-1.43E-01	-6.25E-04	-4.30E-02	-2.85E-03	-3.75E-03	-2.37E-03	-3.62E-03	-2.18E+00
223	372835	757007	Offsite Worker	2.77E+00	1.97E+00	8.37E-01	8.93E+00	1.45E+00	-1.34E-01	5.91E-01	2.27E-01	-5.35E-01	-4.77E-01	-5.86E-04	-3.99E-02	-2.59E-03	-3.51E-03	-2.22E-03	-3.40E-03	-2.04E+00
224	372747	757006	Offsite Worker	3.02E+00	2.10E+00	1.77E+00	9.78E+00	1.57E+00	-1.31E-01	6.31E-01	2.77E-01	7.85E-01	7.74E-01	-4.33E-04	-2.39E-02	-1.77E-03	-2.60E-03	-1.60E-03	-2.51E-03	-1.47E+00
225	372660	757004	Offsite Worker	5.56E+00	3.37E+00	6.05E+00	1.74E+01	2.59E+00	-6.15E-02	1.00E+00	5.71E-01	6.39E+00	5.99E+00	1.05E-03	9.49E-02	6.24E-03	6.32E-03	4.16E-03	6.11E-03	3.82E+00
226	372651	757063	Offsite Worker	6.06E+00	3.58E+00	8.86E+00	1.91E+01	2.82E+00	-3.61E-02	1.07E+00	7.04E-01	1.05E+01	9.93E+00	2.25E-03	1.76E-01	1.25E-02	1.35E-02	8.70E-03	1.30E-02	7.98E+00
227	372629	756931	Offsite Worker	4.30E+00	2.75E+00	3.32E+00	1.33E+01	2.07E+00	-9.99E-02	8.22E-01	4.02E-01	2.65E+00	2.50E+00	-4.94E-05	8.18E-03	3.11E-04	-2.96E-04	-1.05E-04	-2.86E-04	-9.77E-02
228	372631	756857	Offsite Worker	4.38E+00	2.78E+00	3.32E+00	1.33E+01	2.10E+00	-9.65E-02	8.32E-01	4.06E-01	2.64E+00	2.48E+00	1.66E-04	1.93E-02	1.39E-03	9.99E-04	6.89E-04	9.66E-04	6.31E-01
229	372634	756783	Offsite Worker	3.59E+00	2.37E+00	2.62E+00	1.10E+01	1.79E+00	-1.12E-01	7.12E-01	3.38E-01	1.87E+00	1.79E+00	-1.61E-04	-7.63E-03	-3.51E-04	-9.64E-04	-5.86E-04	-9.32E-04	-5.38E-01
230	372702	756778	Offsite Worker	3.26E+00	2.22E+00	2.21E+00	1.01E+01	1.66E+00	-1.22E-01	6.65E-01	3.06E-01	1.36E+00	1.31E+00	-3.23E-04	-2.14E-02	-1.18E-03	-1.94E-03	-1.22E-03	-1.87E-03	-1.12E+00
231	372756	756775	Offsite Worker	2.87E+00	1.96E+00	1.96E+00	8.87E+00	1.47E+00	-1.11E-01	5.89E-01	2.71E-01	1.18E+00	1.15E+00	-3.07E-04	-2.11E-02	-1.13E-03	-1.84E-03	-1.17E-03	-1.78E-03	-1.07E+00
232	372729	756712	Offsite Worker	2.91E+00	2.02E+00	2.76E+00	9.07E+00	1.54E+00	-1.23E-01	6.06E-01	3.08E-01	2.33E+00	2.27E+00	-4.13E-05	5.81E-04	4.01E-04	-2.48E-04	-1.33E-04	-2.40E-04	-1.22E-01
233	372703	756650	Offsite Worker	3.06E+00	2.12E+00	2.38E+00	9.47E+00	1.60E+00	-1.31E-01	6.38E-01	3.04E-01	1.69E+00	1.64E+00	-2.22E-04	-1.38E-02	-5.29E-04	-1.33E-03	-8.32E-04	-1.29E-03	-7.64E-01
234	372677	756588	Offsite Worker	3.45E+00	2.33E+00	2.86E+00	1.06E+01	1.76E+00	-1.25E-01	6.99E-01	3.43E-01	2.26E+00	2.17E+00	-1.19E-04	-8.68E-03	3.33E-05	-7.14E-04	-4.56E-04	-6.91E-04	-4.18E-01
235	372619	756588	Offsite Worker	2.86E+00	2.04E+00	2.47E+00	8.93E+00	1.54E+00	-1.41E-01	6.13E-01	2.98E-01	1.85E+00	1.82E+00	1.85E-04	1.55E-02	1.67E-03	1.11E-03	7.23E-04	1.07E-03	6.63E-01
236	372622	756509	Offsite Worker	6.03E+00	3.97E+00	2.66E+00	1.81E+01	2.94E+00	-1.81E-01	1.19E+00	4.98E-01	6.04E-01	5.29E-01	-3.58E-04	-2.29E-02	-8.79E-04	-2.15E-03	-1.35E-03	-2.07E-03	-1.24E+00
237	372700	756511	Offsite Worker	5.31E+00	3.52E+00	2.42E+00	1.60E+01	2.61E+00	-1.68E-01	1.05E+00	4.44E-01	6.10E-01	5.53E-01	-6.74E-04	-5.11E-02	-3.16E-03	-4.04E-03	-2.60E-03	-3.91E-03	-2.38E+00
238	372789	756510	Offsite Worker	4.65E+00	3.12E+00	1.94E+00	1.40E+01	2.31E+00	-1.62E-01	9.34E-01	3.85E-01	2.06E-01	1.85E-01	-5.21E-04	-3.69E-02	-2.31E-03	-3.13E-03	-1.99E-03	-3.02E-03	-1.82E+00
239	372871	756509	Offsite Worker	4.13E+00	2.81E+00	1.48E+00	1.25E+01	2.07E+00	-1.58E-01	8.43E-01	3.37E-01	-2.48E-01	-2.34E-01	-5.32E-04	-3.45E-02	-2.29E-03	-3.19E-03	-2.01E-03	-3.09E-03	-1.84E+00
240	372871	756437	Offsite Worker	3.29E+00	2.35E+00	6.23E-01	1.00E+01	1.72E+00	-1.65E-01	7.06E-01	2.57E-01	-1.19E+00	-1.10E+00	-1.16E-03	-7.46E-02	-5.29E-03	-6.97E-03	-4.38E-03	-6.74E-03	-4.01E+00
241	372970	756437	Offsite Worker	2.85E+00	2.06E+00	5.89E-01	8.72E+00	1.50E+00	-1.49E-01	6.17E-01	2.26E-01	-9.94E-01	-9.09E-01	-1.46E-03	-9.56E-02	-6.85E-03	-8.74E-03	-5.50E-03	-8.45E-03	-5.05E+00
242	373069	756437	Offsite Worker	2.59E+00	1.87E+00	4.96E-01	7.92E+00	1.36E+00	-1.35E-01	5.61E-01	2.04E-01	-9.76E-01	-8.92E-01	-1.32E-03	-8.91E-02	-6.24E-03	-7.89E-03	-4.99E-03	-7.63E-03	-4.58E+00

Table 3-7A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 6, Horizon Year 2025 - Maximum Range Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
243	373168	756437	Offsite Worker	2.61E+00	1.85E+00	4.92E-01	7.94E+00	1.35E+00	-1.26E-01	5.56E-01	2.02E-01	-9.53E-01	-8.80E-01	-9.43E-04	-6.73E-02	-4.48E-03	-5.66E-03	-3.60E-03	-5.47E-03	-3.30E+00
244	373267	756437	Offsite Worker	2.69E+00	1.87E+00	5.49E-01	8.14E+00	1.37E+00	-1.17E-01	5.62E-01	2.07E-01	-8.62E-01	-8.07E-01	-8.82E-04	-6.25E-02	-4.16E-03	-5.29E-03	-3.37E-03	-5.12E-03	-3.09E+00
245	373412	756437	Offsite Worker	2.63E+00	1.80E+00	7.16E-01	7.94E+00	1.32E+00	-1.05E-01	5.41E-01	2.07E-01	-5.36E-01	-5.02E-01	-7.90E-04	-5.57E-02	-3.70E-03	-4.74E-03	-3.01E-03	-4.58E-03	-2.76E+00
246	373409	756339	Offsite Worker	2.31E+00	1.75E+00	-7.50E-02	7.10E+00	1.27E+00	-1.54E-01	5.28E-01	1.70E-01	-1.77E+00	-1.63E+00	-1.42E-03	-9.78E-02	-6.93E-03	-8.52E-03	-5.40E-03	-8.24E-03	-4.95E+00
247	373406	756240	Offsite Worker	2.48E+00	1.90E+00	-2.61E-01	7.66E+00	1.37E+00	-1.70E-01	5.72E-01	1.78E-01	-2.15E+00	-2.00E+00	-1.34E-03	-8.68E-02	-6.36E-03	-8.02E-03	-5.04E-03	-7.76E-03	-4.63E+00
248	373403	756142	Offsite Worker	2.64E+00	1.96E+00	5.63E-01	8.15E+00	1.44E+00	-1.58E-01	5.89E-01	2.16E-01	-9.29E-01	-8.45E-01	-8.23E-04	-5.35E-02	-3.65E-03	-4.94E-03	-3.10E-03	-4.77E-03	-2.85E+00
249	373400	756042	Offsite Worker	1.58E+00	1.74E+00	1.13E-01	5.64E+00	1.27E+00	-2.94E-01	5.26E-01	1.78E-01	-1.44E+00	-1.24E+00	-1.20E-03	-1.01E-01	-5.85E-03	-7.22E-03	-4.71E-03	-6.98E-03	-4.31E+00
250	373397	755944	Offsite Worker	7.92E-01	1.26E+00	-4.63E-01	3.29E+00	9.08E-01	-2.85E-01	3.84E-01	1.07E-01	-1.95E+00	-1.69E+00	-1.22E-03	-1.10E-01	-6.17E-03	-7.30E-03	-4.81E-03	-7.06E-03	-4.41E+00
251	373393	755846	Offsite Worker	6.53E-01	1.11E+00	-5.48E-01	2.79E+00	7.95E-01	-2.59E-01	3.38E-01	8.89E-02	-1.94E+00	-1.70E+00	-1.56E-03	-1.23E-01	-7.73E-03	-9.33E-03	-6.03E-03	-9.02E-03	-5.53E+00
252	373390	755747	Offsite Worker	1.10E+00	1.25E+00	-6.77E-01	3.90E+00	8.87E-01	-2.17E-01	3.77E-01	9.73E-02	-2.21E+00	-2.00E+00	-1.45E-03	-1.05E-01	-7.05E-03	-8.68E-03	-5.54E-03	-8.39E-03	-5.08E+00
253	373309	755744	Offsite Worker	1.30E+00	1.36E+00	-6.77E-01	4.46E+00	9.72E-01	-2.19E-01	4.12E-01	1.09E-01	-2.29E+00	-2.09E+00	-1.47E-03	-1.06E-01	-7.16E-03	-8.83E-03	-5.63E-03	-8.54E-03	-5.16E+00
254	373229	755743	Offsite Worker	1.38E+00	1.43E+00	-6.10E-01	4.73E+00	1.02E+00	-2.25E-01	4.30E-01	1.18E-01	-2.24E+00	-2.04E+00	-1.51E-03	-1.09E-01	-7.36E-03	-9.09E-03	-5.79E-03	-8.78E-03	-5.31E+00
255	373143	755741	Offsite Worker	1.33E+00	1.44E+00	-4.48E-01	4.65E+00	1.03E+00	-2.38E-01	4.33E-01	1.25E-01	-2.00E+00	-1.81E+00	-1.60E-03	-1.18E-01	-7.78E-03	-9.58E-03	-6.12E-03	-9.26E-03	-5.61E+00
256	373143	755823	Offsite Worker	8.89E-01	1.31E+00	-9.74E-01	3.52E+00	9.27E-01	-2.83E-01	3.97E-01	9.23E-02	-2.72E+00	-2.45E+00	-1.57E-03	-1.22E-01	-7.77E-03	-9.44E-03	-6.08E-03	-9.12E-03	-5.57E+00
257	373143	755906	Offsite Worker	4.16E-01	1.28E+00	-1.04E+00	2.50E+00	9.09E-01	-3.68E-01	3.91E-01	8.74E-02	-2.83E+00	-2.50E+00	-1.40E-03	-1.27E-01	-7.07E-03	-8.39E-03	-5.53E-03	-8.11E-03	-5.07E+00
258	373065	755906	Offsite Worker	3.73E-01	1.30E+00	-1.27E+00	2.43E+00	9.18E-01	-3.84E-01	3.98E-01	8.07E-02	-3.19E+00	-2.83E+00	-1.41E-03	-1.28E-01	-7.12E-03	-8.44E-03	-5.57E-03	-8.16E-03	-5.11E+00
259	373065	755827	Offsite Worker	5.21E-01	1.28E+00	-1.08E+00	2.72E+00	9.02E-01	-3.45E-01	3.88E-01	8.51E-02	-2.86E+00	-2.55E+00	-1.69E-03	-1.39E-01	-8.41E-03	-1.01E-02	-6.57E-03	-9.78E-03	-6.02E+00
260	373068	755733	Offsite Worker	1.67E+00	1.55E+00	-3.18E-01	5.51E+00	1.11E+00	-2.09E-01	4.66E-01	1.41E-01	-1.89E+00	-1.73E+00	-1.62E-03	-1.16E-01	-7.86E-03	-9.74E-03	-6.19E-03	-9.41E-03	-5.68E+00
261	373007	755733	Offsite Worker	1.70E+00	1.55E+00	-3.38E-01	5.59E+00	1.12E+00	-2.04E-01	4.68E-01	1.41E-01	-1.93E+00	-1.76E+00	-1.62E-03	-1.14E-01	-7.84E-03	-9.74E-03	-6.18E-03	-9.42E-03	-5.67E+00
262	372941	755733	Offsite Worker	1.80E+00	1.57E+00	-4.30E-01	5.79E+00	1.12E+00	-1.90E-01	4.72E-01	1.39E-01	-2.08E+00	-1.92E+00	-1.71E-03	-1.18E-01	-8.25E-03	-1.02E-02	-6.49E-03	-9.89E-03	-5.95E+00
263	372941	755636	Offsite Worker	1.18E+00	1.05E+00	-3.45E-01	3.80E+00	7.51E-01	-1.31E-01	3.17E-01	8.98E-02	-1.57E+00	-1.42E+00	-1.73E-03	-1.14E-01	-8.38E-03	-1.04E-02	-6.53E-03	-1.00E-02	-5.99E+00
264	372941	755539	Offsite Worker	8.35E-01	8.44E-01	-7.34E-01	2.78E+00	5.94E-01	-1.30E-01	2.56E-01	5.45E-02	-1.99E+00	-1.82E+00	-1.84E-03	-1.27E-01	-9.08E-03	-1.10E-02	-6.98E-03	-1.06E-02	-6.40E+00
265	372941	755442	Offsite Worker	-1.38E-01	3.47E-01	-8.06E-01	9.01E-02	2.36E-01	-1.51E-01	1.09E-01	2.48E-03	-1.71E+00	-1.50E+00	-2.50E-03	-1.73E-01	-1.25E-02	-1.50E-02	-9.50E-03	-1.45E-02	-8.72E+00
266	372913	755342	Offsite Worker	-1.95E-01	3.12E-01	-1.15E+00	-1.06E-01	2.01E-01	-1.50E-01	9.89E-02	-1.45E-02	-2.20E+00	-1.97E+00	-3.75E-03	-2.62E-01	-1.89E-02	-2.25E-02	-1.43E-02	-2.18E-02	-1.31E+01
267	372817	755346	Offsite Worker	-4.06E-01	2.09E-01	-1.57E+00	-7.28E-01	1.16E-01	-1.57E-01	6.88E-02	-4.13E-02	-2.78E+00	-2.51E+00	-4.68E-03	-3.26E-01	-2.36E-02	-2.81E-02	-1.78E-02	-2.71E-02	-1.63E+01
268	372720	755349	Offsite Worker	-7.86E-02	3.75E-01	-2.08E+00	1.21E-01	2.21E-01	-1.49E-01	1.17E-01	-4.52E-02	-3.70E+00	-3.40E+00	-7.05E-03	-4.88E-01	-3.56E-02	-4.23E-02	-2.68E-02	-4.09E-02	-2.46E+01
269	372624	755352	Offsite Worker	5.90E-01	7.31E-01	-2.76E+00	1.92E+00	4.56E-01	-1.40E-01	2.22E-01	-3.65E-02	-4.98E+00	-4.67E+00	-1.02E-02	-7.04E-01	-5.15E-02	-6.10E-02	-3.87E-02	-5.90E-02	-3.55E+01
270	372527	755349	Offsite Worker	6.91E-01	7.75E-01	-2.85E+00	2.18E+00	4.85E-01	-1.35E-01	2.35E-01	-3.60E-02	-5.17E+00	-4.85E+00	-7.08E-03	-4.96E-01	-3.58E-02	-4.25E-02	-2.70E-02	-4.11E-02	-2.47E+01
271	372431	755353	Offsite Worker	2.32E-01	5.09E-01	-2.43E+00	9.16E-01	3.06E-01	-1.34E-01	1.56E-01	-4.55E-02	-4.31E+00	-4.01E+00	-6.39E-03	-4.44E-01	-3.23E-02	-3.84E-02	-2.43E-02	-3.71E-02	-2.23E+01
272	372334	755356	Offsite Worker	-1.21E-01	3.31E-01	-2.04E+00	-1.36E-02	1.89E-01	-1.42E-01	1.04E-01	-4.79E-02	-3.58E+00	-3.30E+00	-6.14E-03	-4.25E-01	-3.10E-02	-3.68E-02	-2.33E-02	-3.56E-02	-2.14E+01
273	372237	755359	Offsite Worker	3.24E-01	5.48E-01	-2.16E+00	1.19E+00	3.41E-01	-1.29E-01	1.68E-01	-3.10E-02	-3.92E+00	-3.65E+00	-6.11E-03	-4.26E-01	-3.08E-02	-3.66E-02	-2.33E-02	-3.54E-02	-2.13E+01
274	372141	755362	Offsite Worker	2.82E-01	5.28E-01	-1.48E+00	1.16E+00	3.45E-01	-1.30E-01	1.61E-01	-5.78E-03	-2.82E+00	-2.60E+00	-1.10E-02	-7.67E-01	-5.58E-02	-6.61E-02	-4.19E-02	-6.39E-02	-3.85E+01
275	372044	755366	Offsite Worker	7.52E-01	7.88E-01	-1.11E+00	2.52E+00	5.42E-01	-1.27E-01	2.38E-01	3.45E-02	-2.46E+00	-2.28E+00	-1.11E-02	-7.74E-01	-5.61E-02	-6.64E-02	-4.21E-02	-6.41E-02	-3.86E+01
276	371948	755369	Offsite Worker	6.68E-01	7.77E-01	-6.38E-01	2.37E+00	5.49E-01	-1.39E-01	2.36E-01	5.17E-02	-1.78E+00	-1.61E+00	-5.96E-03	-4.18E-01	-3.02E-02	-3.58E-02	-2.27E-02	-3.46E-02	-2.08E+01
277	371851	755372	Offsite Worker	-5.89E-01	2.60E-01	-1.92E+00	-1.07E+00	1.47E-01	-2.12E-01	8.62E-02	-5.00E-02	-3.42E+00	-3.07E+00	-4.96E-03	-3.51E-01	-2.51E-02	-2.98E-02	-1.89E-02	-2.88E-02	-1.74E+01
278	371755	755375	Offsite Worker	-1.53E+00	-1.03E-01	-3.60E+00	-3.65E+00	-1.59E-01	-2.73E-01	-2.08E-02	-1.52E-01	-5.71E+00	-5.20E+00	-5.10E-03	-3.62E-01	-2.58E-02	-3.06E-02	-1.95E-02	-2.96E-02	-1.79E+01
279	371658	755378	Offsite Worker	-1.88E+00	-2.55E-01	-4.85E+00	-4.73E+00	-3.02E-01	-2.93E-01	-6.54E-02	-2.16E-01	-7.53E+00	-6.91E+00	-5.00E-03	-3.53E-01	-2.53E-02	-3.00E-02	-1.91E-02	-2.90E-02	-1.75E+01
280	371562	755382	Offsite Worker	-1.83E+00	-2.50E-01	-3.67E+00	-4.49E+00	-2.65E-01	-2.84E-01	-6.34E-02	-1.69E-01	-5.73E+00	-5.19E+00	-4.14E-03	-2.91E-01	-2.09E-02	-2.49E-02	-1.58E-02	-2.40E-02	-1.45E+01
281	371465	755385	Offsite Worker	-4.11E-01	4.33E-01	-2.55E+00	-5.26E-01	2.54E-01	-2.37E-01	1.38E-01	-5.79E-02	-4.56E+00	-4.14E+00	-3.26E-03	-2.28E-01	-1.64E-02	-1.95E-02	-1.24E-02	-1.89E-02	-1.14E+01
282	371368	755388	Offsite Worker	1.27E+00	1.24E+00	-1.61E+00	4.14E+00	8.60E-01	-1.83E-01	3.77E-01	5.93E-02	-3.73E+00	-3.45E+00	-2.48E-03	-1.75E-01	-1.24E-02	-1.49E-02	-9.44E-03	-1.44E-02	-8.66E+00
283	371272	755391	Offsite Worker	3.15E+00	2.25E+00	1.30E+00	9.71E+00	1.66E+00	-1.58E-01	6.75E-01	2.75E-01	8.06E-03	1.95E-02	-2.12E-03	-1.54E-01	-1.05E-02	-1.27E-02	-8.10E-03	-1.23E-02	-7.43E+00
284	371175	755395	Offsite Worker	2.93E+00	2.20E+00	1.27E+00	9.19E+00	1.62E+00	-1.82E-01	6.59E-01	2.68E-01	2.48E-02	4.81E-02	-2.21E-03	-1.62E-01	-1.10E-02	-1.33E-02	-8.47E-03	-1.28E-02	-7.77E+00
285	371079	755398	Offsite Worker	1.50E+00	1.41E+00	-8.48E-01	4.95E+00	1.00E+00	-1.96E-01	4.26E-01	1.07E-01	-2.60E+00	-2.40E+00	-2.38E-03	-1.76E-01	-1.20E-02	-1.43E-02	-9.13E-03	-1.38E-02	-8.38E+00
286	371042	755478	Offsite Worker	2.86E-01	7.48E-01	-1.12E+00	1.52E+00	5.17E-01	-2.07E-01	2.29E-01	3.02E-02	-2.51E+00	-2.26E+00	-2.44E-03	-1.82E-01	-1.23E-02	-1.47E-02	-9.38E-03	-1.42E-02	-8.61E+00
287	371009	755538	Offsite Worker	5.00E-01	8.47E-01	-2.71E-01	2.18E+00	6.12E-01	-1.98E-01	2.59E-01	7.35E-02	-1.29E+00	-1.10E+00	-2.17E-03	-1.66E-01	-1.09E-02	-1.30E-02	-8.37E-03	-1.26E-02	-7.68E+00
288	370975	755597	Offsite Worker	-9.66E-01	-2.91E-03	-3.60E-01	-2.00E+00	-3.12E-04	-1.95E-01	7.14E-03	-1.42E-02	-7.59E-01	-5.39E-01	-2.45E-03	-1.81E-01	-1.21E-02	-1.47E-02	-9.38E-03	-1.42E-02	-8.61E+00
289	370925	755597	Offsite Worker	-1.26E+00	-1.19E-01	-1.15E+00	-2.83E+00	-1.05E-01	-2.13E-01	-2.73E-02	-5.67E-02	-1.87E+00	-1.59E+00	-2.63E-03	-1.91E-01	-1.30E-02	-1.58E-02	-1.01E-02	-1.53E-02	-9.23E+00
290	370860	755547	Offsite Worker	-8.08E-01	3.52E-01	-3.02E+00	-1.45E+00	1.83E-01	-2.89E-01	1.14E-01	-8.35E-02	-5.13E+00	-4.68E+00	-3.07E-03	-2.24E-01	-1.53E-02	-1.84E-02	-1.18E-02	-1.78E-02	-1.08E+01
291	370796	755497	Offsite Worker	1.92E+00	1.74E+00	-1.71E+00	6.19E+00	1.21E+00	-2.25E-01	5.23E-01	1.05E-01	-4.23E+00	-3.95E+00	-3.95E-03	-2.76E-01	-1.97E-02	-2.37E-02	-1.50E-02	-2.29E-02	-1.38E+01
292	370733	755428	Offsite Worker	1.10E+00	1.26E+00	-3.78E-01	3.96E+00	9.05E-01	-2.22E-01	3.82E-01	1.10E-01	-1.82E+00	-1.61E+00	-3.41E-03	-2.39E-01	-1.69E-02	-2.04E-02	-1.30E-02	-1.98E-02	-1.19E+01
293	370634	755428	Offsite Worker	-1.20E+00	9.43E-02	-3.33E+00	-2.67E+00	-9.69E-03	-2.78E-01	3.78E-02	-1.22E-01	-5.45E+00	-4.96E+00	-4.33E-03	-3.04E-01	-2.16E-02	-2.60E-02	-1.65E-02	-2.51E-02	-1.51E+01
294	370536	755428	Offsite Worker	2.05E+00	1.65E+00	1.15E+00	6.62E+00	1.23E+00	-1.69E-01	4.98E-01	2.09E-01	2.39E-01	2.88E-01	-5.45E-03	-3.74E-01	-2.70E-02	-3.27E-02	-2.07E-02	-3.16E-02	-1.90E+01
295	370437	755428	Offsite Worker	1.92E+00	1.66E+00	-1.71E+00	6.06E+00	1.15E+00	-1.98E-01	4.98E-01	9.68E-02	-4.15E+00	-3.88E+00	-6.09E-03	-4.25E-01	-3.05E-02	-3.66E-02	-2.32E-02	-3.53E-02	-2.13E+01
296	370338	755427	Offsite Worker	2.99E+00	2.32E+00	-1.08E+00	9.24E+00	1.64E+00	-2.14E-01	6.94E-01	1.87E-01	-3.70E+00	-3.50E+00	-5.32E-03	-3.71E-01	-2.64E-02	-3.19E-02	-2.03E-02	-3.09E-02	-1.86E+01
307	369249	755442	Offsite Worker	3.74E+00	2.80E+00	1.01E+00	1.17E+01	2.06E+00	-2.34E-01	8.40E-01	3.18E-01	-9.01E-01	-8.31E-01	-2.11E-03	-1.45E-01	-1.04E-02	-1.26E-02	-8.01E-03	-1.22E-02	-7.35E+00
308	369151	755442	Offsite Worker	3.24E+00	2.59E+00	1.07E+00	1.04E+01	1.90E+00	-2.59E-01	7.78E-01	2.99E-01	-6.89E-01	-5.84E-01	-1.85E-03	-1.24E-01	-9.05E-03	-1.11E-02	-7.01E-03	-1.07E-02	-6.43E+00

Table 3-7A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 6, Horizon Year 2025 - Maximum Range Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
309	369052	755442	Offsite Worker	2.54E+00	2.22E+00	3.97E-01	8.34E+00	1.62E+00	-2.70E-01	6.69E-01	2.36E-01	-1.45E+00	-1.27E+00	-1.55E-03	-9.76E-02	-7.45E-03	-9.29E-03	-5.82E-03	-8.98E-03	-5.34E+00
320	368035	755402	Offsite Worker	3.43E+00	2.44E+00	1.18E+00	1.07E+01	1.79E+00	-1.68E-01	7.30E-01	2.88E-01	-3.21E-01	-3.03E-01	-1.57E-03	-1.12E-01	-7.77E-03	-9.40E-03	-5.99E-03	-9.09E-03	-5.49E+00
321	367960	755389	Offsite Worker	3.22E+00	2.32E+00	1.14E+00	1.01E+01	1.71E+00	-1.67E-01	6.95E-01	2.75E-01	-2.98E-01	-2.71E-01	-1.59E-03	-1.15E-01	-7.89E-03	-9.52E-03	-6.07E-03	-9.20E-03	-5.57E+00
322	367863	755390	Offsite Worker	2.85E+00	2.15E+00	1.17E+00	9.13E+00	1.59E+00	-1.82E-01	6.45E-01	2.59E-01	-1.21E-01	-7.87E-02	-1.51E-03	-1.13E-01	-7.55E-03	-9.07E-03	-5.81E-03	-8.77E-03	-5.33E+00
323	367766	755392	Offsite Worker	2.50E+00	1.94E+00	1.25E+00	8.16E+00	1.44E+00	-1.79E-01	5.83E-01	2.42E-01	1.62E-01	2.04E-01	-1.31E-03	-9.86E-02	-6.53E-03	-7.84E-03	-5.03E-03	-7.58E-03	-4.61E+00
324	367669	755393	Offsite Worker	1.91E+00	1.64E+00	6.66E-01	6.49E+00	1.21E+00	-1.93E-01	4.94E-01	1.89E-01	-5.10E-01	-4.04E-01	-1.05E-03	-8.03E-02	-5.22E-03	-6.29E-03	-4.04E-03	-6.08E-03	-3.71E+00
325	367572	755394	Offsite Worker	1.42E+00	1.36E+00	8.71E-02	5.10E+00	9.94E-01	-1.94E-01	4.13E-01	1.39E-01	-1.18E+00	-1.02E+00	-9.49E-04	-7.25E-02	-4.72E-03	-5.69E-03	-3.66E-03	-5.50E-03	-3.35E+00
326	367475	755395	Offsite Worker	1.26E+00	1.23E+00	-3.02E-01	4.56E+00	8.85E-01	-1.80E-01	3.72E-01	1.10E-01	-1.65E+00	-1.48E+00	-1.07E-03	-8.00E-02	-5.37E-03	-6.44E-03	-4.12E-03	-6.23E-03	-3.78E+00
327	370400	756850	On-Site Occupational	-1.96E+00	1.77E+00	-5.79E+00	-1.91E+00	1.16E+00	-1.02E+00	5.59E-01	-5.00E-02	-1.11E+01	-9.82E+00	-3.72E-03	-2.33E-01	-1.81E-02	-2.23E-02	-1.40E-02	-2.16E-02	-1.28E+01
1	367379	755396	Recreational	1.37E+00	1.31E+00	-3.15E-01	4.93E+00	9.44E-01	-1.86E-01	3.96E-01	1.18E-01	-1.74E+00	-1.57E+00	-1.06E-03	-7.95E-02	-5.31E-03	-6.37E-03	-4.08E-03	-6.16E-03	-3.74E+00
2	367340	755485	Recreational	1.35E+00	1.35E+00	1.31E-01	5.07E+00	9.82E-01	-2.03E-01	4.07E-01	1.39E-01	-1.09E+00	-9.36E-01	-8.77E-04	-6.66E-02	-4.35E-03	-5.26E-03	-3.38E-03	-5.08E-03	-3.10E+00
3	367301	755573	Recreational	1.30E+00	1.27E+00	-4.73E-01	4.93E+00	9.09E-01	-1.84E-01	3.84E-01	1.07E-01	-1.94E+00	-1.76E+00	-9.25E-04	-7.07E-02	-4.59E-03	-5.55E-03	-3.57E-03	-5.37E-03	-3.27E+00
4	367263	755661	Recreational	2.05E+00	1.64E+00	-4.92E-01	7.09E+00	1.17E+00	-1.66E-01	4.93E-01	1.43E-01	-2.26E+00	-2.10E+00	-1.13E-03	-8.53E-02	-5.63E-03	-6.80E-03	-4.36E-03	-6.57E-03	-4.00E+00
5	367224	755749	Recreational	2.38E+00	1.87E+00	1.68E-01	8.29E+00	1.36E+00	-1.78E-01	5.61E-01	1.92E-01	-1.45E+00	-1.33E+00	-1.00E-03	-7.20E-02	-4.91E-03	-6.02E-03	-3.84E-03	-5.82E-03	-3.52E+00
6	367186	755838	Recreational	2.81E+00	2.09E+00	1.24E+00	9.67E+00	1.54E+00	-1.68E-01	6.26E-01	2.56E-01	2.58E-02	6.17E-02	-7.11E-04	-4.98E-02	-3.32E-03	-4.26E-03	-2.71E-03	-4.12E-03	-2.48E+00
7	367147	755926	Recreational	3.27E+00	2.31E+00	1.68E+00	1.10E+01	1.71E+00	-1.52E-01	6.90E-01	2.95E-01	5.61E-01	5.35E-01	-4.21E-04	-2.63E-02	-1.78E-03	-2.53E-03	-1.58E-03	-2.44E-03	-1.45E+00
8	367109	756014	Recreational	3.09E+00	2.18E+00	1.48E+00	1.04E+01	1.62E+00	-1.45E-01	6.53E-01	2.75E-01	3.70E-01	3.53E-01	-6.89E-04	-4.70E-02	-3.17E-03	-4.13E-03	-2.62E-03	-4.00E-03	-2.40E+00
9	367070	756103	Recreational	4.00E+00	2.58E+00	2.31E+00	1.28E+01	1.93E+00	-1.02E-01	7.71E-01	3.47E-01	1.33E+00	1.21E+00	-9.75E-04	-6.60E-02	-4.60E-03	-5.85E-03	-3.70E-03	-5.65E-03	-3.39E+00
10	367032	756191	Recreational	3.80E+00	2.48E+00	2.58E+00	1.21E+01	1.86E+00	-1.07E-01	7.42E-01	3.48E-01	1.81E+00	1.69E+00	-7.67E-04	-4.77E-02	-3.48E-03	-4.60E-03	-2.88E-03	-4.45E-03	-2.64E+00
11	366993	756279	Recreational	3.21E+00	2.19E+00	2.26E+00	1.03E+01	1.65E+00	-1.25E-01	6.57E-01	3.06E-01	1.51E+00	1.44E+00	-1.00E-03	-6.56E-02	-4.71E-03	-6.01E-03	-3.78E-03	-5.81E-03	-3.47E+00
12	366954	756367	Recreational	3.09E+00	2.14E+00	2.07E+00	9.90E+00	1.60E+00	-1.31E-01	6.42E-01	2.94E-01	1.25E+00	1.21E+00	-1.04E-03	-6.94E-02	-4.94E-03	-6.25E-03	-3.94E-03	-6.04E-03	-3.62E+00
13	366916	756456	Recreational	2.47E+00	1.77E+00	1.70E+00	8.00E+00	1.32E+00	-1.24E-01	5.31E-01	2.42E-01	9.93E-01	9.77E-01	-8.93E-04	-5.97E-02	-4.24E-03	-5.36E-03	-3.38E-03	-5.18E-03	-3.10E+00
14	366877	756544	Recreational	2.80E+00	1.97E+00	1.09E+00	8.84E+00	1.46E+00	-1.30E-01	5.92E-01	2.38E-01	-1.10E-01	-8.52E-02	-7.72E-04	-5.15E-02	-3.67E-03	-4.63E-03	-2.92E-03	-4.48E-03	-2.68E+00
15	366839	756632	Recreational	2.38E+00	1.76E+00	4.81E-01	7.60E+00	1.29E+00	-1.42E-01	5.30E-01	1.94E-01	-8.72E-01	-7.96E-01	-9.61E-04	-6.74E-02	-4.68E-03	-5.76E-03	-3.66E-03	-5.57E-03	-3.36E+00
16	366800	756720	Recreational	2.11E+00	1.61E+00	4.39E-01	6.80E+00	1.18E+00	-1.43E-01	4.85E-01	1.77E-01	-8.40E-01	-7.47E-01	-8.11E-04	-5.53E-02	-3.90E-03	-4.86E-03	-3.08E-03	-4.70E-03	-2.82E+00
17	366762	756809	Recreational	2.31E+00	1.66E+00	9.86E-01	7.31E+00	1.23E+00	-1.20E-01	5.00E-01	2.03E-01	-2.87E-02	7.07E-03	-5.80E-04	-3.82E-02	-2.70E-03	-3.48E-03	-2.19E-03	-3.37E-03	-2.01E+00
18	366723	756897	Recreational	2.20E+00	1.62E+00	1.28E+00	7.05E+00	1.20E+00	-1.25E-01	4.85E-01	2.10E-01	4.90E-01	4.98E-01	-6.84E-04	-4.37E-02	-3.18E-03	-4.11E-03	-2.58E-03	-3.97E-03	-2.36E+00
19	366685	756985	Recreational	1.88E+00	1.45E+00	8.35E-01	6.08E+00	1.08E+00	-1.32E-01	4.37E-01	1.77E-01	-8.87E-02	-3.02E-02	-7.23E-04	-4.66E-02	-3.40E-03	-4.34E-03	-2.72E-03	-4.19E-03	-2.50E+00
20	366646	757074	Recreational	1.53E+00	1.27E+00	3.20E-01	5.03E+00	9.29E-01	-1.38E-01	3.83E-01	1.38E-01	-7.61E-01	-6.48E-01	-7.82E-04	-5.35E-02	-3.75E-03	-4.69E-03	-2.97E-03	-4.54E-03	-2.73E+00
21	366607	757162	Recreational	1.50E+00	1.20E+00	1.68E-01	4.84E+00	8.79E-01	-1.23E-01	3.64E-01	1.26E-01	-9.12E-01	-8.08E-01	-7.89E-04	-5.72E-02	-3.83E-03	-4.74E-03	-3.02E-03	-4.58E-03	-2.77E+00
22	366569	757250	Recreational	1.65E+00	1.21E+00	6.44E-02	5.14E+00	8.80E-01	-9.53E-02	3.65E-01	1.23E-01	-1.03E+00	-9.54E-01	-9.23E-04	-6.30E-02	-4.48E-03	-5.54E-03	-3.50E-03	-5.35E-03	-3.21E+00
23	366530	757338	Recreational	1.45E+00	1.13E+00	-1.10E-01	4.57E+00	8.16E-01	-1.07E-01	3.41E-01	1.07E-01	-1.24E+00	-1.14E+00	-8.91E-04	-6.26E-02	-4.36E-03	-5.35E-03	-3.40E-03	-5.17E-03	-3.11E+00
24	366492	757427	Recreational	1.36E+00	1.10E+00	1.02E-01	4.35E+00	8.00E-01	-1.14E-01	3.32E-01	1.13E-01	-9.09E-01	-8.10E-01	-7.65E-04	-5.27E-02	-3.70E-03	-4.59E-03	-2.91E-03	-4.44E-03	-2.67E+00
25	366453	757515	Recreational	1.35E+00	1.09E+00	3.43E-01	4.35E+00	8.02E-01	-1.12E-01	3.30E-01	1.22E-01	-5.27E-01	-4.48E-01	-7.61E-04	-5.33E-02	-3.70E-03	-4.57E-03	-2.90E-03	-4.41E-03	-2.66E+00
26	366415	757603	Recreational	1.33E+00	1.08E+00	3.93E-01	4.27E+00	7.93E-01	-1.13E-01	3.25E-01	1.22E-01	-4.40E-01	-3.62E-01	-7.87E-04	-5.59E-02	-3.82E-03	-4.72E-03	-3.00E-03	-4.56E-03	-2.75E+00
27	366376	757692	Recreational	1.38E+00	1.12E+00	4.25E-01	4.43E+00	8.25E-01	-1.17E-01	3.38E-01	1.28E-01	-4.21E-01	-3.46E-01	-7.85E-04	-5.64E-02	-3.80E-03	-4.71E-03	-3.00E-03	-4.55E-03	-2.75E+00
84	369336	758100	Recreational	4.14E+00	2.81E+00	2.03E+00	1.27E+01	2.08E+00	-1.53E-01	8.40E-01	3.59E-01	6.95E-01	6.32E-01	-1.56E-03	-1.06E-01	-7.42E-03	-9.34E-03	-5.91E-03	-9.03E-03	-5.42E+00
85	369269	758170	Recreational	5.22E+00	3.38E+00	2.75E+00	1.57E+01	2.52E+00	-1.38E-01	1.01E+00	4.44E-01	1.36E+00	1.21E+00	-1.56E-03	-1.04E-01	-7.40E-03	-9.36E-03	-5.90E-03	-9.04E-03	-5.41E+00
86	369202	758239	Recreational	5.19E+00	3.37E+00	2.66E+00	1.56E+01	2.50E+00	-1.39E-01	1.00E+00	4.38E-01	1.22E+00	1.09E+00	-1.62E-03	-1.09E-01	-7.79E-03	-9.74E-03	-6.14E-03	-9.41E-03	-5.64E+00
87	369264	758285	Recreational	4.28E+00	2.86E+00	2.28E+00	1.30E+01	2.13E+00	-1.43E-01	8.54E-01	3.73E-01	1.06E+00	9.66E-01	-1.13E-03	-7.57E-02	-5.29E-03	-6.78E-03	-4.28E-03	-6.56E-03	-3.93E+00
88	369326	758330	Recreational	3.84E+00	2.56E+00	1.79E+00	1.17E+01	1.90E+00	-1.28E-01	7.66E-01	3.25E-01	5.76E-01	5.03E-01	-1.49E-03	-1.03E-01	-7.22E-03	-8.93E-03	-5.66E-03	-8.63E-03	-5.19E+00
89	369389	758376	Recreational	3.19E+00	2.18E+00	1.23E+00	9.74E+00	1.60E+00	-1.22E-01	6.50E-01	2.64E-01	1.79E-02	-7.82E-03	-1.44E-03	-9.99E-02	-7.01E-03	-8.63E-03	-5.47E-03	-8.34E-03	-5.02E+00
90	369389	758462	Recreational	2.67E+00	1.89E+00	9.29E-01	8.22E+00	1.39E+00	-1.28E-01	5.66E-01	2.24E-01	-2.29E-01	-2.17E-01	-1.29E-03	-8.99E-02	-6.26E-03	-7.73E-03	-4.90E-03	-7.47E-03	-4.50E+00
91	369389	758548	Recreational	2.19E+00	1.64E+00	6.61E-01	6.87E+00	1.20E+00	-1.36E-01	4.92E-01	1.89E-01	-4.49E-01	-4.04E-01	-1.30E-03	-9.01E-02	-6.30E-03	-7.78E-03	-4.93E-03	-7.52E-03	-4.52E+00
28	366338	757780	Residential	1.48E+00	1.17E+00	6.00E-01	4.71E+00	8.65E-01	-1.14E-01	3.53E-01	1.39E-01	-2.03E-01	-1.39E-01	-6.98E-04	-4.94E-02	-3.35E-03	-4.19E-03	-2.66E-03	-4.05E-03	-2.44E+00
29	366402	757746	Residential	1.46E+00	1.17E+00	5.66E-01	4.66E+00	8.61E-01	-1.17E-01	3.52E-01	1.38E-01	-2.53E-01	-1.84E-01	-7.28E-04	-5.15E-02	-3.49E-03	-4.37E-03	-2.78E-03	-4.22E-03	-2.55E+00
30	366467	757713	Residential	1.43E+00	1.16E+00	5.32E-01	4.60E+00	8.56E-01	-1.20E-01	3.50E-01	1.36E-01	-3.01E-01	-2.28E-01	-7.70E-04	-5.48E-02	-3.71E-03	-4.62E-03	-2.94E-03	-4.47E-03	-2.70E+00
31	366531	757679	Residential	1.40E+00	1.15E+00	4.90E-01	4.53E+00	8.48E-01	-1.23E-01	3.47E-01	1.33E-01	-3.56E-01	-2.79E-01	-8.08E-04	-5.78E-02	-3.91E-03	-4.85E-03	-3.09E-03	-4.69E-03	-2.83E+00
32	366567	757773	Residential	1.58E+00	1.25E+00	7.68E-01	5.04E+00	9.25E-01	-1.21E-01	3.76E-01	1.54E-01	-1.91E-02	4.05E-02	-7.49E-04	-5.33E-02	-3.60E-03	-4.49E-03	-2.86E-03	-4.34E-03	-2.62E+00
33	366625	757758	Residential	1.59E+00	1.26E+00	7.81E-01	5.08E+00	9.35E-01	-1.24E-01	3.80E-01	1.55E-01	-1.45E-02	4.66E-02	-7.62E-04	-5.41E-02	-3.66E-03	-4.57E-03	-2.91E-03	-4.42E-03	-2.67E+00
34	366682	757744	Residential	1.60E+00	1.28E+00	7.94E-01	5.13E+00	9.47E-01	-1.26E-01	3.85E-01	1.57E-01	-1.03E-02	5.22E-02	-7.76E-04	-5.49E-02	-3.72E-03	-4.65E-03	-2.96E-03	-4.50E-03	-2.71E+00
35	366768	757788	Residential	1.80E+00	1.43E+00	7.01E-01	5.74E+00	1.05E+00	-1.40E-01	4.30E-01	1.69E-01	-2.62E-01	-1.93E-01	-8.26E-04	-5.99E-02	-4.00E-03	-4.96E-03	-3.16E-03	-4.79E-03	-2.90E+00
36	366854	757833	Residential	2.09E+00	1.61E+00	4.19E-01	6.54E+00	1.18E+00	-1.46E-01	4.84E-01	1.76E-01	-8.52E-01	-7.61E-01	-9.61E-04	-6.93E-02	-4.68E-03	-5.76E-03	-3.67E-03	-5.57E-03	-3.37E+00
37	366941	757877	Residential	2.19E+00	1.65E+00	3.18E-01	6.80E+00	1.21E+00	-1.42E-01	4.97E-01	1.76E-01	-1.05E+00	-9.52E-01	-1.04E-03	-7.58E-02	-5.12E-03	-6.27E-03	-4.00E-03	-6.06E-03	-3.67E+00
38	367027	757922	Residential	2.46E+00	1.79E+00	5.92E-01	7.57E+00	1.31E+00	-1.33E-01	5.36E-01	2.00E-01	-7.19E-01	-6.57E-01	-1.06E-03	-7.77E-02	-5.19E-03	-6.34E-03	-4.05E-03	-6.13E-03	-3.72E+00
39	367113	757966	Residential	2.60E+00	1.83E+00	1.15E+00	7.97E+00	1.35E+00	-1.18E-01	5.47E-01	2.26E-01	1.27E-01	1.34E-01	-1.14E-03	-8.25E-02	-5.60E-03	-6.87E-03	-4.38E-03	-6.64E-03	-4.01E+00

Table 3-7A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 6, Horizon Year 2025 - Maximum Range Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
40	367192	757916	Residential	2.61E+00	1.86E+00	1.05E+00	8.01E+00	1.37E+00	-1.28E-01	5.57E-01	2.25E-01	-7.15E-02	-4.59E-02	-1.18E-03	-8.55E-02	-5.79E-03	-7.10E-03	-4.52E-03	-6.86E-03	-4.15E+00
41	367264	757916	Residential	2.74E+00	1.93E+00	1.20E+00	8.41E+00	1.43E+00	-1.26E-01	5.78E-01	2.38E-01	1.14E-01	1.23E-01	-1.22E-03	-8.75E-02	-5.96E-03	-7.32E-03	-4.66E-03	-7.08E-03	-4.28E+00
42	367335	757916	Residential	2.87E+00	2.00E+00	1.37E+00	8.79E+00	1.49E+00	-1.28E-01	6.01E-01	2.53E-01	3.22E-01	3.15E-01	-1.23E-03	-8.78E-02	-5.96E-03	-7.36E-03	-4.68E-03	-7.11E-03	-4.30E+00
43	367343	757966	Residential	3.10E+00	2.13E+00	1.75E+00	9.48E+00	1.59E+00	-1.26E-01	6.38E-01	2.80E-01	8.24E-01	7.77E-01	-1.06E-03	-7.66E-02	-5.08E-03	-6.34E-03	-4.04E-03	-6.12E-03	-3.71E+00
44	367404	757995	Residential	3.21E+00	2.22E+00	1.90E+00	9.84E+00	1.66E+00	-1.34E-01	6.64E-01	2.95E-01	9.87E-01	9.33E-01	-9.92E-04	-7.08E-02	-4.71E-03	-5.95E-03	-3.79E-03	-5.75E-03	-3.47E+00
45	367465	758024	Residential	3.25E+00	2.28E+00	1.77E+00	1.00E+01	1.70E+00	-1.48E-01	6.84E-01	2.96E-01	6.99E-01	6.71E-01	-1.07E-03	-7.67E-02	-5.09E-03	-6.42E-03	-4.09E-03	-6.20E-03	-3.75E+00
55	367673	758189	Residential	2.97E+00	2.13E+00	9.55E-01	9.11E+00	1.57E+00	-1.54E-01	6.40E-01	2.49E-01	-4.40E-01	-4.01E-01	-1.15E-03	-8.13E-02	-5.57E-03	-6.90E-03	-4.39E-03	-6.67E-03	-4.02E+00
59	367816	758096	Residential	3.15E+00	2.26E+00	1.10E+00	9.70E+00	1.66E+00	-1.60E-01	6.78E-01	2.67E-01	-3.40E-01	-3.04E-01	-1.23E-03	-8.70E-02	-5.94E-03	-7.36E-03	-4.68E-03	-7.12E-03	-4.29E+00
60	367898	758066	Residential	3.19E+00	2.32E+00	1.19E+00	9.87E+00	1.71E+00	-1.72E-01	6.95E-01	2.76E-01	-2.45E-01	-2.09E-01	-1.23E-03	-8.88E-02	-5.95E-03	-7.37E-03	-4.70E-03	-7.12E-03	-4.31E+00
61	367980	758035	Residential	3.27E+00	2.39E+00	1.26E+00	1.01E+01	1.76E+00	-1.83E-01	7.18E-01	2.87E-01	-1.97E-01	-1.59E-01	-1.24E-03	-9.11E-02	-6.01E-03	-7.42E-03	-4.74E-03	-7.17E-03	-4.35E+00
62	368062	758005	Residential	3.40E+00	2.50E+00	1.29E+00	1.06E+01	1.85E+00	-1.97E-01	7.51E-01	2.99E-01	-2.50E-01	-2.08E-01	-1.31E-03	-9.64E-02	-6.37E-03	-7.88E-03	-5.03E-03	-7.62E-03	-4.62E+00
63	368144	757975	Residential	3.68E+00	2.71E+00	1.17E+00	1.14E+01	1.99E+00	-2.13E-01	8.13E-01	3.15E-01	-5.96E-01	-5.42E-01	-1.36E-03	-1.00E-01	-6.59E-03	-8.17E-03	-5.22E-03	-7.90E-03	-4.79E+00
64	368226	757945	Residential	3.93E+00	2.91E+00	1.06E+00	1.22E+01	2.13E+00	-2.32E-01	8.72E-01	3.31E-01	-9.29E-01	-8.59E-01	-1.38E-03	-1.03E-01	-6.69E-03	-8.30E-03	-5.31E-03	-8.02E-03	-4.87E+00
65	368301	757943	Residential	5.27E+00	3.71E+00	1.72E+00	1.62E+01	2.73E+00	-2.43E-01	1.11E+00	4.36E-01	-5.59E-01	-5.50E-01	-1.21E-03	-9.25E-02	-5.84E-03	-7.28E-03	-4.68E-03	-7.04E-03	-4.29E+00
66	368376	757941	Residential	8.01E+00	5.28E+00	2.96E+00	2.41E+01	3.89E+00	-2.44E-01	1.58E+00	6.40E-01	9.47E-02	-2.90E-02	-1.11E-03	-8.58E-02	-5.32E-03	-6.66E-03	-4.28E-03	-6.43E-03	-3.93E+00
67	368452	757940	Residential	9.60E+00	6.13E+00	3.94E+00	2.86E+01	4.52E+00	-2.20E-01	1.83E+00	7.63E-01	9.41E-01	7.03E-01	-9.95E-04	-7.68E-02	-4.74E-03	-5.97E-03	-3.84E-03	-5.77E-03	-3.52E+00
68	368527	757938	Residential	9.57E+00	6.20E+00	3.52E+00	2.86E+01	4.56E+00	-2.50E-01	1.85E+00	7.53E-01	2.11E-01	2.89E-02	-1.06E-03	-8.04E-02	-5.05E-03	-6.35E-03	-4.08E-03	-6.14E-03	-3.74E+00
69	368563	757880	Residential	1.09E+01	6.93E+00	4.21E+00	3.24E+01	5.11E+00	-2.50E-01	2.07E+00	8.53E-01	6.84E-01	4.31E-01	-1.02E-03	-7.76E-02	-4.80E-03	-6.10E-03	-3.92E-03	-5.90E-03	-3.59E+00
70	368636	757926	Residential	8.80E+00	5.76E+00	2.77E+00	2.64E+01	4.23E+00	-2.54E-01	1.72E+00	6.80E-01	-6.11E-01	-7.22E-01	-1.60E-03	-1.13E-01	-7.74E-03	-9.60E-03	-6.10E-03	-9.28E-03	-5.60E+00
71	368709	757971	Residential	6.08E+00	4.21E+00	-7.96E-01	1.83E+01	3.01E+00	-2.55E-01	1.26E+00	3.85E-01	-4.85E+00	-4.66E+00	-3.58E-03	-2.54E-01	-1.79E-02	-2.15E-02	-1.36E-02	-2.07E-02	-1.25E+01
72	368782	758017	Residential	3.78E+00	2.90E+00	-1.98E+00	1.16E+01	2.04E+00	-2.60E-01	8.71E-01	2.10E-01	-5.63E+00	-5.32E+00	-3.88E-03	-2.70E-01	-1.93E-02	-2.33E-02	-1.48E-02	-2.25E-02	-1.35E+01
73	368855	758062	Residential	4.04E+00	2.97E+00	1.15E-01	1.25E+01	2.15E+00	-2.30E-01	8.88E-01	2.99E-01	-2.41E+00	-2.29E+00	-2.10E-03	-1.42E-01	-1.02E-02	-1.26E-02	-7.96E-03	-1.22E-02	-7.30E+00
74	368928	758108	Residential	3.12E+00	2.33E+00	4.55E-01	9.74E+00	1.70E+00	-1.91E-01	6.99E-01	2.49E-01	-1.36E+00	-1.27E+00	-1.35E-03	-9.62E-02	-6.60E-03	-8.10E-03	-5.15E-03	-7.83E-03	-4.73E+00
75	369001	758153	Residential	3.94E+00	2.74E+00	1.30E+00	1.21E+01	2.02E+00	-1.71E-01	8.21E-01	3.23E-01	-3.76E-01	-3.75E-01	-1.53E-03	-1.10E-01	-7.57E-03	-9.19E-03	-5.85E-03	-8.88E-03	-5.37E+00
76	369058	758074	Residential	4.29E+00	2.99E+00	1.31E+00	1.31E+01	2.19E+00	-1.87E-01	8.94E-01	3.48E-01	-5.70E-01	-5.62E-01	-1.69E-03	-1.22E-01	-8.38E-03	-1.01E-02	-6.45E-03	-9.79E-03	-5.92E+00
77	369102	758103	Residential	4.85E+00	3.32E+00	8.22E-01	1.47E+01	2.42E+00	-1.92E-01	9.93E-01	3.62E-01	-1.59E+00	-1.55E+00	-1.76E-03	-1.23E-01	-8.70E-03	-1.06E-02	-6.72E-03	-1.02E-02	-6.16E+00
78	369145	758132	Residential	5.46E+00	3.64E+00	1.24E+00	1.64E+01	2.66E+00	-1.79E-01	1.09E+00	4.09E-01	-1.20E+00	-1.21E+00	-2.08E-03	-1.42E-01	-1.02E-02	-1.25E-02	-7.91E-03	-1.21E-02	-7.26E+00
79	369200	758065	Residential	5.86E+00	3.87E+00	1.91E+00	1.76E+01	2.84E+00	-1.81E-01	1.16E+00	4.59E-01	-3.60E-01	-4.22E-01	-2.15E-03	-1.45E-01	-1.05E-02	-1.29E-02	-8.15E-03	-1.25E-02	-7.48E+00
80	369255	757998	Residential	5.82E+00	3.88E+00	2.56E+00	1.77E+01	2.87E+00	-1.92E-01	1.16E+00	4.85E-01	6.13E-01	5.18E-01	-2.22E-03	-1.51E-01	-1.08E-02	-1.33E-02	-8.43E-03	-1.29E-02	-7.73E+00
81	369310	757931	Residential	5.90E+00	3.95E+00	2.43E+00	1.79E+01	2.91E+00	-1.98E-01	1.18E+00	4.87E-01	3.71E-01	2.87E-01	-2.39E-03	-1.63E-01	-1.16E-02	-1.43E-02	-9.05E-03	-1.38E-02	-8.30E+00
82	369356	757981	Residential	4.94E+00	3.25E+00	2.22E+00	1.50E+01	2.41E+00	-1.48E-01	9.71E-01	4.10E-01	6.28E-01	5.35E-01	-2.07E-03	-1.40E-01	-9.97E-03	-1.24E-02	-7.86E-03	-1.20E-02	-7.21E+00
83	369403	758031	Residential	4.52E+00	2.94E+00	2.40E+00	1.37E+01	2.19E+00	-1.24E-01	8.79E-01	3.86E-01	1.17E+00	1.05E+00	-2.09E-03	-1.44E-01	-1.02E-02	-1.26E-02	-7.96E-03	-1.21E-02	-7.30E+00
92	369389	758634	Residential	1.88E+00	1.47E+00	3.26E-01	5.94E+00	1.07E+00	-1.38E-01	4.41E-01	1.58E-01	-8.27E-01	-7.51E-01	-1.47E-03	-1.02E-01	-7.17E-03	-8.79E-03	-5.57E-03	-8.50E-03	-5.11E+00
93	369469	758630	Residential	5.86E-01	8.39E-01	-1.36E+00	2.25E+00	5.75E-01	-1.78E-01	2.56E-01	2.97E-02	-2.95E+00	-2.70E+00	-3.14E-03	-2.20E-01	-1.57E-02	-1.88E-02	-1.20E-02	-1.82E-02	-1.10E+01
94	369549	758625	Residential	2.37E-01	6.59E-01	-2.16E+00	1.20E+00	4.24E-01	-1.86E-01	2.03E-01	-1.98E-02	-4.05E+00	-3.73E+00	-3.55E-03	-2.48E-01	-1.79E-02	-2.13E-02	-1.35E-02	-2.06E-02	-1.24E+01
95	369630	758621	Residential	4.28E-01	7.81E-01	-1.75E+00	1.80E+00	5.23E-01	-1.90E-01	2.39E-01	8.29E-03	-3.53E+00	-3.24E+00	-2.30E-03	-1.59E-01	-1.15E-02	-1.38E-02	-8.74E-03	-1.33E-02	-8.01E+00
96	369710	758617	Residential	1.76E+00	1.41E+00	-1.28E-01	5.57E+00	1.02E+00	-1.44E-01	4.25E-01	1.35E-01	-1.50E+00	-1.38E+00	-1.84E-03	-1.30E-01	-9.21E-03	-1.11E-02	-7.03E-03	-1.07E-02	-6.45E+00
97	369791	758613	Residential	2.63E+00	1.82E+00	6.11E-01	8.01E+00	1.33E+00	-1.10E-01	5.43E-01	2.04E-01	-6.29E-01	-6.15E-01	-2.40E-03	-1.69E-01	-1.21E-02	-1.44E-02	-9.15E-03	-1.39E-02	-8.40E+00
98	369791	758514	Residential	2.96E+00	2.00E+00	8.03E-01	8.96E+00	1.47E+00	-1.08E-01	5.98E-01	2.30E-01	-5.04E-01	-5.01E-01	-2.31E-03	-1.63E-01	-1.16E-02	-1.39E-02	-8.82E-03	-1.34E-02	-8.09E+00
99	369791	758416	Residential	3.33E+00	2.21E+00	1.07E+00	1.00E+01	1.62E+00	-1.05E-01	6.59E-01	2.61E-01	-2.56E-01	-2.79E-01	-2.18E-03	-1.53E-01	-1.09E-02	-1.31E-02	-8.30E-03	-1.26E-02	-7.61E+00
100	369791	758318	Residential	3.99E+00	2.56E+00	1.07E+00	1.19E+01	1.87E+00	-9.57E-02	7.62E-01	2.95E-01	-5.23E-01	-5.68E-01	-2.14E-03	-1.50E-01	-1.08E-02	-1.28E-02	-8.15E-03	-1.24E-02	-7.48E+00
101	369881	758318	Residential	2.18E+00	1.65E+00	-7.14E-02	6.81E+00	1.19E+00	-1.41E-01	4.95E-01	1.60E-01	-1.60E+00	-1.49E+00	-2.79E-03	-1.96E-01	-1.41E-02	-1.67E-02	-1.06E-02	-1.62E-02	-9.74E+00
102	369972	758318	Residential	3.43E-02	5.74E-01	-1.29E+00	8.06E-01	3.87E-01	-1.96E-01	1.78E-01	5.98E-03	-2.65E+00	-2.39E+00	-2.80E-03	-1.98E-01	-1.41E-02	-1.68E-02	-1.07E-02	-1.62E-02	-9.80E+00
103	370062	758318	Residential	2.45E-01	7.30E-01	-1.57E+00	1.43E+00	4.92E-01	-2.09E-01	2.24E-01	1.07E-02	-3.19E+00	-2.90E+00	-2.05E-03	-1.48E-01	-1.03E-02	-1.23E-02	-7.83E-03	-1.19E-02	-7.18E+00
104	370153	758318	Residential	4.25E-01	8.27E-01	-1.74E+00	1.91E+00	5.57E-01	-2.07E-01	2.53E-01	1.35E-02	-3.54E+00	-3.24E+00	-1.93E-03	-1.38E-01	-9.72E-03	-1.16E-02	-7.38E-03	-1.12E-02	-6.77E+00
105	370243	758318	Residential	4.41E-01	8.72E-01	-1.95E+00	1.99E+00	5.84E-01	-2.19E-01	2.66E-01	9.83E-03	-3.89E+00	-3.57E+00	-2.55E-03	-1.77E-01	-1.28E-02	-1.53E-02	-9.69E-03	-1.48E-02	-8.89E+00
111	370408	758347	Residential	-4.33E-01	4.58E-01	-3.05E+00	-4.97E-01	2.58E-01	-2.50E-01	1.45E-01	-7.46E-02	-5.30E+00	-4.85E+00	-3.76E-03	-2.66E-01	-1.91E-02	-2.26E-02	-1.44E-02	-2.18E-02	-1.32E+01
112	370490	758344	Residential	-1.41E+00	-3.57E-04	-3.28E+00	-3.17E+00	-7.51E-02	-2.87E-01	1.08E-02	-1.29E-01	-5.34E+00	-4.83E+00	-3.25E-03	-2.32E-01	-1.65E-02	-1.95E-02	-1.24E-02	-1.88E-02	-1.14E+01
113	370572	758341	Residential	-9.95E-01	2.79E-01	-3.65E+00	-1.96E+00	1.15E-01	-3.01E-01	9.37E-02	-1.16E-01	-6.13E+00	-5.59E+00	-2.89E-03	-2.02E-01	-1.46E-02	-1.74E-02	-1.10E-02	-1.68E-02	-1.01E+01
114	370654	758338	Residential	-7.90E-02	8.96E-01	-3.36E+00	7.96E-01	5.68E-01	-3.33E-01	2.77E-01	-4.34E-02	-6.19E+00	-5.66E+00	-2.90E-03	-2.06E-01	-1.46E-02	-1.74E-02	-1.11E-02	-1.68E-02	-1.02E+01
115	370735	758335	Residential	8.91E-01	1.26E+00	-2.13E+00	3.41E+00	8.61E-01	-2.66E-01	3.84E-01	4.10E-02	-4.57E+00	-4.19E+00	-2.42E-03	-1.74E-01	-1.22E-02	-1.45E-02	-9.26E-03	-1.41E-02	-8.50E+00
116	370817	758333	Residential	1.25E+00	1.37E+00	-9.61E-01	4.42E+00	9.68E-01	-2.30E-01	4.14E-01	9.78E-02	-2.81E+00	-2.55E+00	-1.62E-03	-1.14E-01	-8.02E-03	-9.72E-03	-6.18E-03	-9.40E-03	-5.67E+00
130	371183	758027	Residential	4.17E+00	2.93E+00	1.71E+00	1.29E+01	2.17E+00	-1.92E-01	8.79E-01	3.58E-01	2.32E-02	3.01E-02	-1.84E-03	-1.27E-01	-8.81E-03	-1.11E-02	-7.01E-03	-1.07E-02	-6.43E+00
131	371248	758024	Residential	4.32E+00	3.05E+00	1.42E+00	1.33E+01	2.24E+00	-2.03E-01	9.12E-01	3.58E-01	-4.78E-01	-4.61E-01	-1.81E-03	-1.27E-01	-8.68E-03	-1.09E-02	-6.91E-03	-1.05E-02	-6.33E+00
132	371326	758075	Residential	4.05E+00	2.84E+00	1.35E+00	1.25E+01	2.09E+00	-1.84E-01	8.51E-01	3.35E-01	-4.26E-01	-4.08E-01	-1.78E-03	-1.19E-01	-8.52E-03	-1.07E-02	-6.74E-03	-1.03E-02	-6.18E+00
133	371404	758127	Residential	3.57E+00	2.53E+00	1.43E+00	1.10E+01	1.87E+00	-1.72E-01	7.60E-01	3.07E-01	-8.01E-02	-5.49E-02	-1.59E-03	-1.06E-01	-7.61E-03	-9.53E-03	-6.01E-03	-9.21E-03	-5.51E+00

Table 3-7A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 6, Horizon Year 2025 - Maximum Range Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
134	371481	758178	Residential	3.30E+00	2.37E+00	1.39E+00	1.02E+01	1.75E+00	-1.69E-01	7.12E-01	2.90E-01	-1.42E-02	1.88E-02	-1.43E-03	-9.56E-02	-6.85E-03	-8.58E-03	-5.41E-03	-8.29E-03	-4.97E+00
135	371559	758230	Residential	3.08E+00	2.23E+00	1.39E+00	9.58E+00	1.65E+00	-1.65E-01	6.70E-01	2.76E-01	9.60E-02	1.31E-01	-1.38E-03	-8.73E-02	-6.58E-03	-8.26E-03	-5.18E-03	-7.99E-03	-4.75E+00
136	371637	758281	Residential	2.90E+00	2.08E+00	1.40E+00	8.98E+00	1.54E+00	-1.47E-01	6.24E-01	2.60E-01	2.24E-01	2.53E-01	-1.34E-03	-7.83E-02	-6.36E-03	-8.03E-03	-4.98E-03	-7.76E-03	-4.57E+00
137	371715	758333	Residential	2.67E+00	1.93E+00	1.40E+00	8.31E+00	1.44E+00	-1.42E-01	5.80E-01	2.46E-01	3.53E-01	3.82E-01	-1.25E-03	-7.38E-02	-5.93E-03	-7.48E-03	-4.65E-03	-7.23E-03	-4.27E+00
138	371769	758261	Residential	2.04E+00	1.58E+00	1.52E+00	6.55E+00	1.19E+00	-1.48E-01	4.78E-01	2.17E-01	8.19E-01	8.51E-01	-1.21E-03	-7.42E-02	-5.76E-03	-7.23E-03	-4.52E-03	-6.99E-03	-4.15E+00
139	371822	758189	Residential	1.15E+00	1.40E+00	4.47E-01	4.40E+00	1.04E+00	-2.63E-01	4.27E-01	1.57E-01	-6.84E-01	-5.05E-01	-9.20E-04	-6.52E-02	-4.39E-03	-5.52E-03	-3.51E-03	-5.34E-03	-3.22E+00
140	371894	758160	Residential	7.91E-01	1.48E+00	-2.74E-01	3.71E+00	1.08E+00	-3.64E-01	4.52E-01	1.38E-01	-1.83E+00	-1.55E+00	-1.10E-03	-9.65E-02	-5.46E-03	-6.60E-03	-4.33E-03	-6.38E-03	-3.97E+00
141	371894	758081	Residential	5.67E-01	1.58E+00	-1.15E+00	3.28E+00	1.12E+00	-4.41E-01	4.81E-01	1.12E-01	-3.29E+00	-2.89E+00	-1.23E-03	-1.12E-01	-6.13E-03	-7.41E-03	-4.88E-03	-7.16E-03	-4.47E+00
142	371959	758074	Residential	8.85E-01	1.68E+00	-9.33E-01	4.10E+00	1.20E+00	-4.15E-01	5.13E-01	1.31E-01	-3.06E+00	-2.69E+00	-1.34E-03	-1.03E-01	-6.53E-03	-8.06E-03	-5.18E-03	-7.79E-03	-4.75E+00
155	372055	757363	Residential	1.12E+00	1.69E+00	-3.22E-01	4.92E+00	1.23E+00	-3.71E-01	5.16E-01	1.56E-01	-2.18E+00	-1.86E+00	-1.19E-03	-1.11E-01	-5.97E-03	-7.16E-03	-4.74E-03	-6.92E-03	-4.34E+00
297	370239	755427	Residential	5.26E+00	3.49E+00	2.94E+00	1.59E+01	2.60E+00	-1.67E-01	1.04E+00	4.62E-01	1.54E+00	1.40E+00	-3.31E-03	-2.30E-01	-1.59E-02	-1.98E-02	-1.26E-02	-1.92E-02	-1.15E+01
298	370138	755427	Residential	6.25E+00	3.89E+00	4.46E+00	1.87E+01	2.92E+00	-1.06E-01	1.16E+00	5.61E-01	3.62E+00	3.31E+00	-3.27E-03	-2.22E-01	-1.56E-02	-1.96E-02	-1.24E-02	-1.90E-02	-1.14E+01
299	370040	755427	Residential	1.40E-01	7.63E-01	-2.49E+00	1.12E+00	4.92E-01	-2.42E-01	2.35E-01	-2.25E-02	-4.67E+00	-4.29E+00	-2.79E-03	-1.92E-01	-1.34E-02	-1.67E-02	-1.06E-02	-1.62E-02	-9.72E+00
300	369941	755426	Residential	1.54E+00	1.46E+00	-1.25E+00	5.08E+00	1.02E+00	-2.03E-01	4.40E-01	9.51E-02	-3.30E+00	-3.05E+00	-3.47E-03	-2.40E-01	-1.71E-02	-2.08E-02	-1.32E-02	-2.01E-02	-1.21E+01
301	369842	755426	Residential	2.28E+00	1.87E+00	-4.39E-01	7.24E+00	1.34E+00	-1.98E-01	5.61E-01	1.68E-01	-2.35E+00	-2.19E+00	-2.59E-03	-1.83E-01	-1.27E-02	-1.55E-02	-9.87E-03	-1.50E-02	-9.06E+00
304	369544	755434	Residential	1.73E-01	8.63E-01	-2.78E+00	1.30E+00	5.57E-01	-2.71E-01	2.66E-01	-2.39E-02	-5.22E+00	-4.79E+00	-3.23E-03	-2.32E-01	-1.62E-02	-1.94E-02	-1.24E-02	-1.88E-02	-1.13E+01
305	369445	755434	Residential	2.05E+00	1.82E+00	-8.96E-01	6.65E+00	1.30E+00	-2.30E-01	5.49E-01	1.45E-01	-3.09E+00	-2.84E+00	-2.89E-03	-2.05E-01	-1.45E-02	-1.73E-02	-1.10E-02	-1.68E-02	-1.01E+01
306	369346	755434	Residential	3.12E+00	2.39E+00	-1.77E-01	9.73E+00	1.73E+00	-2.14E-01	7.19E-01	2.30E-01	-2.44E+00	-2.28E+00	-3.40E-03	-2.37E-01	-1.70E-02	-2.04E-02	-1.30E-02	-1.97E-02	-1.19E+01
310	368953	755441	Residential	2.10E+00	2.00E+00	-2.06E-01	7.08E+00	1.44E+00	-2.80E-01	6.03E-01	1.90E-01	-2.21E+00	-1.97E+00	-1.62E-03	-1.12E-01	-7.98E-03	-9.74E-03	-6.17E-03	-9.42E-03	-5.66E+00
311	368854	755441	Residential	1.95E+00	1.82E+00	-5.06E-01	6.52E+00	1.31E+00	-2.48E-01	5.49E-01	1.61E-01	-2.49E+00	-2.27E+00	-2.22E-03	-1.56E-01	-1.11E-02	-1.33E-02	-8.48E-03	-1.29E-02	-7.77E+00
312	368755	755441	Residential	2.07E+00	1.79E+00	-4.60E-01	6.73E+00	1.29E+00	-2.15E-01	5.40E-01	1.60E-01	-2.36E+00	-2.17E+00	-2.04E-03	-1.44E-01	-1.00E-02	-1.22E-02	-7.77E-03	-1.18E-02	-7.12E+00
313	368657	755441	Residential	2.54E+00	2.02E+00	-1.69E-02	8.07E+00	1.46E+00	-2.00E-01	6.07E-01	2.00E-01	-1.84E+00	-1.70E+00	-1.76E-03	-1.25E-01	-8.69E-03	-1.06E-02	-6.72E-03	-1.02E-02	-6.16E+00
314	368558	755440	Residential	3.05E+00	2.28E+00	1.89E-01	9.51E+00	1.65E+00	-1.86E-01	6.83E-01	2.33E-01	-1.72E+00	-1.62E+00	-1.46E-03	-1.04E-01	-7.15E-03	-8.77E-03	-5.58E-03	-8.48E-03	-5.12E+00
315	368459	755440	Residential	3.39E+00	2.46E+00	9.91E-01	1.05E+01	1.80E+00	-1.81E-01	7.35E-01	2.83E-01	-6.26E-01	-5.87E-01	-1.14E-03	-8.05E-02	-5.48E-03	-6.82E-03	-4.34E-03	-6.60E-03	-3.98E+00
316	368360	755440	Residential	3.92E+00	2.72E+00	1.40E+00	1.20E+01	2.00E+00	-1.67E-01	8.13E-01	3.25E-01	-1.97E-01	-2.06E-01	-8.11E-04	-5.59E-02	-3.79E-03	-4.87E-03	-3.08E-03	-4.70E-03	-2.83E+00
317	368262	755439	Residential	4.02E+00	2.77E+00	1.45E+00	1.23E+01	2.04E+00	-1.65E-01	8.28E-01	3.32E-01	-1.51E-01	-1.68E-01	-1.18E-03	-8.37E-02	-5.72E-03	-7.08E-03	-4.50E-03	-6.85E-03	-4.13E+00
318	368186	755427	Residential	3.82E+00	2.67E+00	1.34E+00	1.18E+01	1.97E+00	-1.69E-01	7.99E-01	3.18E-01	-2.47E-01	-2.50E-01	-1.36E-03	-9.70E-02	-6.65E-03	-8.15E-03	-5.18E-03	-7.87E-03	-4.76E+00
319	368111	755414	Residential	3.63E+00	2.56E+00	1.25E+00	1.12E+01	1.88E+00	-1.70E-01	7.66E-01	3.03E-01	-3.03E-01	-2.94E-01	-1.48E-03	-1.06E-01	-7.31E-03	-8.89E-03	-5.66E-03	-8.59E-03	-5.19E+00
46	367504	757948	School	3.36E+00	2.32E+00	2.01E+00	1.03E+01	1.73E+00	-1.39E-01	6.95E-01	3.09E-01	1.06E+00	9.99E-01	-1.02E-03	-7.25E-02	-4.82E-03	-6.10E-03	-3.88E-03	-5.89E-03	-3.56E+00
47	367544	757873	School	3.15E+00	2.23E+00	1.61E+00	9.71E+00	1.66E+00	-1.51E-01	6.68E-01	2.85E-01	5.05E-01	4.91E-01	-1.18E-03	-8.63E-02	-5.67E-03	-7.06E-03	-4.51E-03	-6.82E-03	-4.13E+00
48	367587	757909	School	3.45E+00	2.39E+00	2.05E+00	1.06E+01	1.79E+00	-1.47E-01	7.17E-01	3.18E-01	1.06E+00	1.00E+00	-1.09E-03	-7.83E-02	-5.18E-03	-6.53E-03	-4.16E-03	-6.31E-03	-3.81E+00
49	367623	757866	School	3.30E+00	2.34E+00	1.80E+00	1.02E+01	1.74E+00	-1.58E-01	7.02E-01	3.03E-01	6.97E-01	6.72E-01	-1.16E-03	-8.54E-02	-5.59E-03	-6.99E-03	-4.46E-03	-6.76E-03	-4.09E+00
50	367694	757866	School	3.54E+00	2.49E+00	2.02E+00	1.09E+01	1.86E+00	-1.64E-01	7.46E-01	3.27E-01	9.31E-01	8.87E-01	-1.16E-03	-8.42E-02	-5.54E-03	-6.97E-03	-4.44E-03	-6.74E-03	-4.08E+00
51	367716	757927	School	3.92E+00	2.72E+00	1.91E+00	1.20E+01	2.01E+00	-1.66E-01	8.13E-01	3.45E-01	5.62E-01	5.27E-01	-1.18E-03	-8.49E-02	-5.63E-03	-7.11E-03	-4.53E-03	-6.87E-03	-4.15E+00
52	367737	757988	School	3.99E+00	2.75E+00	1.46E+00	1.21E+01	2.03E+00	-1.63E-01	8.23E-01	3.30E-01	-1.80E-01	-1.80E-01	-1.21E-03	-8.49E-02	-5.77E-03	-7.27E-03	-4.62E-03	-7.03E-03	-4.23E+00
53	367727	758067	School	3.51E+00	2.46E+00	8.98E-01	1.07E+01	1.80E+00	-1.59E-01	7.37E-01	2.79E-01	-8.04E-01	-7.62E-01	-1.18E-03	-8.19E-02	-5.64E-03	-7.08E-03	-4.49E-03	-6.85E-03	-4.12E+00
54	367716	758146	School	3.08E+00	2.19E+00	9.74E-01	9.43E+00	1.61E+00	-1.51E-01	6.57E-01	2.55E-01	-4.64E-01	-4.27E-01	-1.20E-03	-8.40E-02	-5.81E-03	-7.21E-03	-4.58E-03	-6.97E-03	-4.20E+00
56	367723	758254	School	2.73E+00	2.07E+00	1.16E+00	8.57E+00	1.53E+00	-1.79E-01	6.22E-01	2.51E-01	-6.64E-02	-2.59E-02	-9.44E-04	-6.95E-02	-4.55E-03	-5.67E-03	-3.62E-03	-5.48E-03	-3.32E+00
57	367784	758221	School	2.81E+00	2.14E+00	1.15E+00	8.83E+00	1.58E+00	-1.85E-01	6.41E-01	2.57E-01	-1.41E-01	-9.69E-02	-9.83E-04	-7.18E-02	-4.73E-03	-5.90E-03	-3.76E-03	-5.70E-03	-3.45E+00
58	367845	758189	School	2.93E+00	2.22E+00	1.11E+00	9.18E+00	1.64E+00	-1.90E-01	6.66E-01	2.64E-01	-2.68E-01	-2.19E-01	-1.02E-03	-7.42E-02	-4.90E-03	-6.12E-03	-3.90E-03	-5.92E-03	-3.58E+00
106	370247	758254	School	5.05E-01	9.13E-01	-1.97E+00	2.19E+00	6.13E-01	-2.21E-01	2.79E-01	1.32E-02	-3.95E+00	-3.64E+00	-2.83E-03	-1.99E-01	-1.43E-02	-1.70E-02	-1.08E-02	-1.64E-02	-9.89E+00
107	370250	758189	School	3.75E-01	8.74E-01	-2.20E+00	1.85E+00	5.80E-01	-2.34E-01	2.68E-01	3.28E-04	-4.29E+00	-3.94E+00	-3.17E-03	-2.23E-01	-1.60E-02	-1.90E-02	-1.21E-02	-1.84E-02	-1.11E+01
108	370308	758196	School	4.23E-01	8.68E-01	-1.84E+00	1.98E+00	5.84E-01	-2.21E-01	2.65E-01	1.35E-02	-3.74E+00	-3.42E+00	-3.96E-03	-2.78E-01	-2.00E-02	-2.38E-02	-1.51E-02	-2.30E-02	-1.38E+01
109	370361	758236	School	-1.41E-02	6.44E-01	-2.65E+00	6.77E-01	4.02E-01	-2.31E-01	2.00E-01	-4.06E-02	-4.83E+00	-4.43E+00	-4.16E-03	-2.93E-01	-2.10E-02	-2.50E-02	-1.59E-02	-2.41E-02	-1.45E+01
110	370415	758275	School	-4.91E-01	4.67E-01	-3.27E+00	-6.17E-01	2.59E-01	-2.65E-01	1.48E-01	-8.26E-02	-5.67E+00	-5.19E+00	-3.81E-03	-2.68E-01	-1.93E-02	-2.28E-02	-1.45E-02	-2.21E-02	-1.33E+01
302	369741	755435	School	-2.22E-01	6.03E-01	-3.51E+00	4.63E-02	3.50E-01	-2.59E-01	1.88E-01	-7.87E-02	-6.15E+00	-5.67E+00	-1.34E-03	-9.57E-02	-6.42E-03	-8.04E-03	-5.12E-03	-7.78E-03	-4.70E+00
303	369643	755434	School	9.16E-01	1.17E+00	-5.00E-01	3.47E+00	8.43E-01	-2.30E-01	3.58E-01	9.65E-02	-2.00E+00	-1.75E+00	-1.39E-03	-1.01E-01	-6.80E-03	-8.35E-03	-5.33E-03	-8.07E-03	-4.89E+00

Note: Shaded cells indicate locations where concentrations were highest within each land use category.

Table 3-7B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 6, Horizon Year 2025 - Maximum Range
Construction and Operations TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m³)	acetaldehyde Acute Hazard	acrolein (µg/m³)	acrolein Acute Hazard	benzene (µg/m³)	benzene Acute Hazard	formaldehyde (µg/m³)	formaldehyde Acute Hazard	methyl alcohol (µg/m³)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m³)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m³)	phenol (carbolic acid) Acute Hazard	styrene (µg/m³)	styrene Acute Hazard	toluene (µg/m³)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
117	370814	758243	Offsite Worker	1.41E+00	2.99E-03	1.48E+00	5.92E-01	-8.01E-01	-6.16E-04	4.93E+00	8.96E-02	1.05E+00	3.76E-05	-2.38E-01	-1.83E-05	4.48E-01	7.72E-05	1.15E-01	5.49E-06	-2.65E+00	-7.18E-05
118	370810	758153	Offsite Worker	1.53E+00	3.26E-03	1.57E+00	6.28E-01	-6.93E-01	-5.33E-04	5.35E+00	9.72E-02	1.12E+00	4.01E-05	-2.45E-01	-1.88E-05	4.75E-01	8.19E-05	1.29E-01	6.13E-06	-2.56E+00	-6.92E-05
119	370807	758063	Offsite Worker	2.22E+00	4.73E-03	1.97E+00	7.87E-01	-1.14E-01	-8.81E-05	7.39E+00	1.34E-01	1.42E+00	5.08E-05	-2.45E-01	-1.88E-05	5.93E-01	1.02E-04	1.91E-01	9.08E-06	-1.99E+00	-5.37E-05
120	370803	757974	Offsite Worker	2.66E+00	5.66E-03	2.27E+00	9.09E-01	-3.12E-01	-2.40E-04	8.70E+00	1.58E-01	1.64E+00	5.85E-05	-2.65E-01	-2.04E-05	6.84E-01	1.18E-04	2.13E-01	1.02E-05	-2.55E+00	-6.89E-05
121	370835	757927	Offsite Worker	3.44E+00	7.31E-03	2.59E+00	1.04E+00	-5.44E-01	-4.18E-04	1.07E+01	1.95E-01	1.86E+00	6.64E-05	-2.21E-01	-1.70E-05	7.78E-01	1.34E-04	2.36E-01	1.12E-05	-3.14E+00	-8.50E-05
122	370868	757880	Offsite Worker	3.28E+00	6.99E-03	2.53E+00	1.01E+00	1.70E-01	1.30E-04	1.04E+01	1.90E-01	1.84E+00	6.56E-05	-2.30E-01	-1.77E-05	7.60E-01	1.31E-04	2.58E-01	1.23E-05	-1.98E+00	-5.35E-05
123	370921	757884	Offsite Worker	3.39E+00	7.21E-03	2.57E+00	1.03E+00	1.71E-02	1.31E-05	1.06E+01	1.94E-01	1.86E+00	6.64E-05	-2.22E-01	-1.71E-05	7.72E-01	1.33E-04	2.55E-01	1.21E-05	-2.32E+00	-6.26E-05
124	370975	757887	Offsite Worker	3.77E+00	8.01E-03	2.82E+00	1.13E+00	6.07E-01	4.67E-04	1.18E+01	2.15E-01	2.06E+00	7.34E-05	-2.34E-01	-1.80E-05	8.46E-01	1.46E-04	3.04E-01	1.45E-05	-1.57E+00	-4.26E-05
125	370975	757794	Offsite Worker	5.13E+00	1.09E-02	3.67E+00	1.47E+00	2.14E+00	1.64E-03	1.60E+01	2.90E-01	2.71E+00	9.69E-05	-2.60E-01	-2.00E-05	1.10E+00	1.90E-04	4.49E-01	2.14E-05	8.88E-02	2.40E-06
126	371026	757794	Offsite Worker	5.57E+00	1.19E-02	3.99E+00	1.59E+00	1.69E+00	1.30E-03	1.73E+01	3.14E-01	2.93E+00	1.05E-04	-2.80E-01	-2.16E-05	1.19E+00	2.06E-04	4.62E-01	2.20E-05	-8.75E-01	-2.37E-05
127	371076	757877	Offsite Worker	5.00E+00	1.06E-02	3.54E+00	1.42E+00	1.90E+00	1.46E-03	1.55E+01	2.81E-01	2.61E+00	9.33E-05	-2.40E-01	-1.85E-05	1.06E+00	1.83E-04	4.26E-01	2.03E-05	-1.73E-01	-4.67E-06
128	371126	757959	Offsite Worker	4.63E+00	9.86E-03	3.24E+00	1.29E+00	2.08E+00	1.60E-03	1.43E+01	2.60E-01	2.40E+00	8.55E-05	-2.05E-01	-1.58E-05	9.69E-01	1.67E-04	4.03E-01	1.92E-05	3.64E-01	9.85E-06
129	371119	758031	Offsite Worker	3.68E+00	7.84E-03	2.74E+00	1.10E+00	1.49E+00	1.15E-03	1.16E+01	2.11E-01	2.02E+00	7.23E-05	-2.23E-01	-1.71E-05	8.22E-01	1.42E-04	3.31E-01	1.57E-05	-1.36E-01	-3.68E-06
143	371953	757977	Offsite Worker	1.28E+00	2.71E-03	1.88E+00	7.50E-01	-1.42E-01	-1.10E-04	5.25E+00	9.54E-02	1.36E+00	4.87E-05	-4.04E-01	-3.11E-05	5.70E-01	9.83E-05	1.82E-01	8.65E-06	-2.00E+00	-5.41E-05
144	371948	757880	Offsite Worker	1.80E+00	3.84E-03	1.90E+00	7.60E-01	-3.47E-01	-2.67E-04	6.35E+00	1.15E-01	1.37E+00	4.90E-05	-3.07E-01	-2.36E-05	5.75E-01	9.91E-05	1.75E-01	8.35E-06	-2.32E+00	-6.27E-05
145	371943	757783	Offsite Worker	6.94E-01	1.48E-03	1.61E+00	6.43E-01	-2.64E+00	-2.03E-03	3.46E+00	6.29E-02	1.10E+00	3.94E-05	-4.28E-01	-3.29E-05	4.90E-01	8.45E-05	5.65E-02	2.69E-06	-5.62E+00	-1.52E-04
146	372016	757794	Offsite Worker	7.54E-01	1.60E-03	1.50E+00	5.99E-01	-2.59E+00	-2.00E-03	3.43E+00	6.23E-02	1.02E+00	3.65E-05	-3.77E-01	-2.90E-05	4.57E-01	7.87E-05	4.71E-02	2.24E-06	-5.47E+00	-1.48E-04
147	372102	757791	Offsite Worker	6.24E-01	1.33E-03	1.34E+00	5.34E-01	-2.52E+00	-1.94E-03	2.94E+00	5.35E-02	9.08E-01	3.24E-05	-3.46E-01	-2.66E-05	4.08E-01	7.04E-05	3.37E-02	1.61E-06	-5.23E+00	-1.41E-04
148	372178	757760	Offsite Worker	5.23E-01	1.11E-03	1.32E+00	5.28E-01	-1.98E+00	-1.52E-03	2.77E+00	5.03E-02	9.12E-01	3.26E-05	-3.60E-01	-2.77E-05	4.04E-01	6.96E-05	5.34E-02	2.54E-06	-4.40E+00	-1.19E-04
149	372177	757670	Offsite Worker	1.19E+00	2.52E-03	1.58E+00	6.31E-01	-8.30E-01	-6.38E-04	4.62E+00	8.40E-02	1.13E+00	4.03E-05	-3.17E-01	-2.44E-05	4.80E-01	8.27E-05	1.24E-01	5.90E-06	-2.84E+00	-7.67E-05
150	372176	757579	Offsite Worker	1.10E+00	2.33E-03	1.64E+00	6.55E-01	-3.58E-01	-2.75E-04	4.60E+00	8.36E-02	1.19E+00	4.23E-05	-3.56E-01	-2.74E-05	4.99E-01	8.60E-05	1.49E-01	7.09E-06	-2.18E+00	-5.90E-05
151	372174	757489	Offsite Worker	8.42E-01	1.79E-03	1.52E+00	6.10E-01	-6.17E-01	-4.74E-04	3.95E+00	7.18E-02	1.10E+00	3.92E-05	-3.68E-01	-2.83E-05	4.65E-01	8.02E-05	1.28E-01	6.08E-06	-2.48E+00	-6.69E-05
152	372173	757398	Offsite Worker	1.70E+00	3.62E-03	1.80E+00	7.22E-01	1.68E-01	1.29E-04	6.24E+00	1.13E-01	1.32E+00	4.70E-05	-2.93E-01	-2.25E-05	5.47E-01	9.42E-05	1.86E-01	8.85E-06	-1.48E+00	-4.00E-05
153	372171	757308	Offsite Worker	2.90E+00	6.17E-03	2.23E+00	8.91E-01	1.55E+00	1.20E-03	9.53E+00	1.73E-01	1.66E+00	5.91E-05	-2.00E-01	-1.53E-05	6.70E-01	1.16E-04	2.82E-01	1.34E-05	3.36E-01	9.07E-06
154	372055	757309	Offsite Worker	2.22E+00	4.72E-03	2.10E+00	8.39E-01	5.08E-01	3.91E-04	7.88E+00	1.43E-01	1.54E+00	5.50E-05	-2.92E-01	-2.25E-05	6.35E-01	1.09E-04	2.28E-01	1.09E-05	-1.23E+00	-3.33E-05
156	372055	757416	Offsite Worker	4.22E-01	8.98E-04	1.44E+00	5.75E-01	-7.02E-01	-5.40E-04	3.04E+00	5.52E-02	1.04E+00	3.70E-05	-4.22E-01	-3.25E-05	4.41E-01	7.60E-05	1.16E-01	5.52E-06	-2.55E+00	-6.89E-05
157	371952	757442	Offsite Worker	1.41E+00	2.99E-03	1.88E+00	7.50E-01	-2.46E-01	-1.89E-04	5.69E+00	1.03E-01	1.36E+00	4.86E-05	-3.78E-01	-2.91E-05	5.70E-01	9.83E-05	1.77E-01	8.43E-06	-2.21E+00	-5.97E-05
158	371950	757345	Offsite Worker	3.08E-01	6.55E-04	1.67E+00	6.69E-01	-1.38E+00	-1.06E-03	3.31E+00	6.02E-02	1.19E+00	4.25E-05	-5.28E-01	-4.06E-05	5.13E-01	8.84E-05	1.13E-01	5.39E-06	-3.80E+00	-1.03E-04
159	371864	757344	Offsite Worker	-4.09E-01	-8.70E-04	1.58E+00	6.33E-01	-1.77E+00	-1.36E-03	1.73E+00	3.14E-02	1.12E+00	4.00E-05	-6.41E-01	-4.93E-05	4.89E-01	8.43E-05	8.94E-02	4.26E-06	-4.36E+00	-1.18E-04
160	371790	757347	Offsite Worker	-2.50E-01	-5.31E-04	1.55E+00	6.22E-01	-1.28E+00	-9.87E-04	2.05E+00	3.73E-02	1.11E+00	3.97E-05	-5.99E-01	-4.61E-05	4.80E-01	8.28E-05	1.06E-01	5.03E-06	-3.59E+00	-9.71E-05
161	371708	757356	Offsite Worker	1.24E+00	2.65E-03	1.93E+00	7.71E-01	-3.83E-01	-2.95E-04	5.66E+00	1.03E-01	1.40E+00	4.99E-05	-4.29E-01	-3.30E-05	5.87E-01	1.01E-04	1.77E-01	8.42E-06	-2.49E+00	-6.72E-05
162	371615	757356	Offsite Worker	2.13E+00	4.54E-03	2.16E+00	8.63E-01	1.80E-01	1.38E-04	7.85E+00	1.43E-01	1.57E+00	5.62E-05	-3.31E-01	-2.54E-05	6.53E-01	1.13E-04	2.21E-01	1.05E-05	-1.81E+00	-4.88E-05
163	371523	757356	Offsite Worker	2.69E+00	5.73E-03	2.41E+00	9.64E-01	6.61E-01	5.09E-04	9.39E+00	1.71E-01	1.77E+00	6.32E-05	-3.06E-01	-2.36E-05	7.28E-01	1.26E-04	2.65E-01	1.26E-05	-1.27E+00	-3.43E-05
164	371430	757356	Offsite Worker	3.41E+00	7.25E-03	2.78E+00	1.11E+00	1.11E+00	8.55E-04	1.14E+01	2.07E-01	2.04E+00	7.30E-05	-2.92E-01	-2.24E-05	8.36E-01	1.44E-04	3.19E-01	1.52E-05	-8.55E-01	-2.31E-05
165	371338	757356	Offsite Worker	3.60E+00	7.66E-03	3.00E+00	1.20E+00	1.02E+00	7.85E-04	1.20E+01	2.19E-01	2.20E+00	7.87E-05	-3.31E-01	-2.55E-05	9.03E-01	1.56E-04	3.38E-01	1.61E-05	-1.20E+00	-3.23E-05
166	371245	757356	Offsite Worker	3.41E+00	7.25E-03	3.15E+00	1.26E+00	3.15E-01	2.43E-04	1.17E+01	2.13E-01	2.29E+00	8.19E-05	-4.22E-01	-3.25E-05	9.49E-01	1.64E-04	3.25E-01	1.55E-05	-2.41E+00	-6.51E-05
167	371153	757356	Offsite Worker	3.32E+00	7.06E-03	3.24E+00	1.30E+00	-7.40E-01	-5.69E-04	1.15E+01	2.08E-01	2.34E+00	8.34E-05	-4.74E-01	-3.65E-05	9.80E-01	1.69E-04	2.93E-01	1.40E-05	-4.15E+00	-1.12E-04
168	371061	757356	Offsite Worker	3.20E+00	6.80E-03	3.32E+00	1.33E+00	-1.66E+00	-1.28E-03	1.12E+01	2.04E-01	2.36E+00	8.44E-05	-5.25E-01	-4.04E-05	1.00E+00	1.73E-04	2.64E-01	1.26E-05	-5.66E+00	-1.53E-04
169	371005	757357	Offsite Worker	2.84E+00	6.04E-03	3.23E+00	1.29E+00	-2.40E+00	-1.84E-03	1.03E+01	1.87E-01	2.28E+00	8.16E-05	-5.68E-01	-4.37E-05	9.78E-01	1.69E-04	2.27E-01	1.08E-05	-6.70E+00	-1.81E-04
170	370998	757293	Offsite Worker	2.95E+00	6.28E-03	3.57E+00	1.43E+00	-1.11E+00	-8.51E-04	1.11E+01	2.03E-01	2.57E+00	9.19E-05	-6.65E-01	-5.12E-05	1.08E+00	1.87E-04	3.12E-01	1.49E-05	-5.10E+00	-1.38E-04
171	370998	757194	Offsite Worker	3.25E+00	6.92E-03	3.40E+00	1.36E+00	1.95E+00	1.50E-03	1.23E+01	2.24E-01	2.52E+00	9.01E-05	-5.41E-01	-4.16E-05	1.03E+00	1.77E-04	4.14E-01	1.97E-05	-2.45E-01	-6.62E-06
172	370998	757096	Offsite Worker	1.91E+00	4.05E-03	2.82E+00	1.13E+00	1.46E+00	1.13E-03	8.96E+00	1.63E-01	2.11E+00	7.52E-05	-6.12E-01	-4.71E-05	8.62E-01	1.49E-04	3.39E-01	1.61E-05	-6.06E-01	-1.64E-05
173	370998	756998	Offsite Worker	2.28E-01	4.85E-04	1.74E+00	6.97E-01	-3.16E+00	-2.43E-03	3.47E+00	6.31E-02	1.22E+00	4.36E-05	-5.75E-01	-4.42E-05	5.61E-01	9.67E-05	4.21E-02	2.01E-06	-7.96E+00	-2.15E-04
174	371057	756997	Offsite Worker	1.42E+00	3.02E-03	2.10E+00	8.39E-01	-1.85E+00	-1.43E-03	6.66E+00	1.21E-01	1.49E+00	5.34E-05	-4.56E-01	-3.51E-05	6.53E-01	1.13E-04	1.31E-01	6.25E-06	-5.67E+00	-1.53E-04
175	371153	756997	Offsite Worker	1.01E+00	2.15E-03	2.02E+00	8.07E-01	-1.92E+00	-1.48E-03	5.73E+00	1.04E-01	1.43E+00	5.12E-05	-5.11E-01	-3.93E-05	6.26E-01	1.08E-04	1.22E-01	5.83E-06	-5.49E+00	-1.48E-04
176	371249	756997	Offsite Worker	1.10E+00	2.33E-03	2.05E+00	8.18E-01	-2.16E+00	-1.66E-03	5.89E+00	1.07E-01	1.45E+00	5.17E-05	-5.04E-01	-3.87E-05	6.36E-01	1.10E-04	1.15E-01	5.48E-06	-5.98E+00	-1.62E-04
177	371345	756997	Offsite Worker	2.28E+00	4.85E-03	2.45E+00	9.82E-01	-1.70E+00	-1.31E-03	8.90E+00	1.62E-01	1.75E+00	6.26E-05	-4.09E-01	-3.15E-05	7.57E-01	1.30E-04	1.73E-01	8.22E-06	-5.67E+00	-1.53E-04
178	371440	756997	Offsite Worker	3.52E+00	7.48E-03	2.97E+00	1.19E+00	1.50E-02	1.15E-05	1.24E+01	2.26E-01	2.16E+00	7.70E-05	-3.37E-01	-2.60E-05	8.99E-01	1.55E-04	2.93E-01	1.40E-05	-2.97E+00	-8.04E-05
179	371536	756997	Offsite Worker	4.25E+00	9.03E-03	3.22E+00	1.29E+00	1.16E+00	8.89E-04	1.44E+01	2.62E-01	2.37E+00	8.45E-05	-2.79E-01	-2.15E-05	9.71E-01	1.67E-04	3.64E-01	1.73E-05	-1.29E+00	-3.48E-05
180	371632	756997	Offsite Worker	4.52E+00	9.61E-03	3.24E+00	1.29E+00	2.11E+00	1.62E-03	1.51E+01	2.75E-01	2.40E+00	8.57E-05	-2.29E-01	-1.76E-05	9.72E-01	1.68E-04	4.03E-01	1.92E-05	2.42E-01	6.54E-06
181	371728	756997	Offsite Worker	4.54E+00	9.67E-03	3.14E+00	1.26E+00	2.46E+00	1.89E-03	1.51E+01	2.74E-01	2.34E+00	8.35E-05	-1.90E-01	-1.46E-05	9.42E-01	1.62E-04	4.08E-01	1.94E-05	9.18E-01	2.48E-05
182	371824	756997	Offsite Worker	3.87E+00	8.24E-03	2.76E+00	1.11E+00	1.82E+00	1.40E-03	1.31E+01	2.38E-01	2.05E+00	7.32E-05	-1.92E-01	-1.48E-05	8.30E-01	1.43E-04	3.45E-01	1.64E-05	2.51E-01	6.78E-06
183	371920	756997	Offsite Worker	2.28E+00	4.85E-03	1.93E+00	7.72E-01	1.68E+00	1.29E-03	8.66E+00	1.58E-01	1.45E+00	5.17E-05	-2.20E-01	-1.69E-05	5.84E-01	1.01E-04	2.57E-01	1.22E-05	6.70E-01	1.81E-05
184	372016	756997	Offsite Worker	2.39E+00	5.09E-03	1.95E+00	7.80E-01	2.43E+00	1.87E-03	9.01E+00	1.64E-01	1.48E+00	5.30E-05	-2.05E-01	-1.57E-05	5.90E-01	1.02E-04	2.88E-01	1.37E-05	1.82E+00	4.91E-05
185	372111	756997	Offsite Worker	3.86E+00	8.22E-03	2.62E+00	1.05E+00	4.93E+00	3.80E-03	1.32E+01	2.40E-01	2.03E+00	7.26E-05	-1.44E-01	-1.11E-05	7.88E-01	1.36E-04	4.54E-01	2.16E-05	5.18E+00	1.40E-04
186	372207	756997	Offsite Worker	1.91E+00	4.06E-03	1.62E+00	6.50E-01	2.26E+00	1.74E-03	7.57E+00	1.38E-01	1.24E+00	4.44E-05	-1.88E-01	-1.44E-05	4.92E-01	8.49E-05	2.50E-01	1.19E-05	1.84E+00	4.98E-05
187	372303	756997	Offsite Worker	3.17E+00	6.74E-03	2.24E+00	8.94E-01	3.50E+00	2.70E-03	1.11E+01	2.02E-01	1.72E+00	6.13E-05	-1.49E-01	-1.14E-05	6.72E-01	1.16E-04	3.59E-01	1.71E-05	3.30E+00	8.91E-05
188	372399	756997	Offsite Worker	4.12E+00	8.77E-03	2.70E+00	1.08E+00	5.04E+00	3.88E-03	1.39E+01	2.52E-01	2.09E+00	7.46E-05	-1.18E-01	-9.10E-06	8.09E-01	1.40E-04	4.66E-01	2.22E-05	5.31E+00	1.43E-04
189	372495	756997	Offsite Worker	6.43E+00	1.37E-02	3.82E+00	1.53E+00	9.31E+00	7.16E-03	2.06E+01	3.74E-01	3.01E+00	1.08E-04	-4.62E-02	-3.56E-06	1.14E+00	1.97E-04	7.46E-01	3.55E-05	1.10E+01	2.98E-04
190	372591	756997	Offsite Worker	6.72E+00	1.43E-02	3.93E+00	1.57E+00	9.67E+00	7.44E-03	2.13E+01	3.88E-01	3.10E+00	1.11E-04	-2.83E-02	-2.18E-06	1.17E+00	2.02E-04	7.71E-01	3.67E-05	1.15E+01	3.11E-04
191	372610	757063	Offsite Worker	6.03E+00	1.28E-02	3.57E+00	1.43E+00	8.91E+00	6.86E-03	1.89E+01	3.44E-01	2.82E+00	1.01E-04	-3.94E-02	-3.03E-06	1.07E+00	1.84E-04	7.05E-01	3.36E-05	1.06E+01	2.87E-04
192	372612	757132	Offsite Worker	3.88E+00	8.25E-03	2.48E+00	9.91E-01	4.09E+00	3.15E-03	1.26E+01	2.28E-01	1.90E+00	6.79E-05	-8.99E-02	-6.91E-06	7.41E-01	1.28E-04	4.06E-01	1.94E-05	4.09E+00	1.11E-04
193	372614	757201	Offsite Worker	1.23E+00	2.63E-03	1.15E+00	4.59E-01	7.47E-03	5.74E-06	5.32E+00	9.67E-02	8.36E-01	2.98E-05	-1.56E-01	-1.20E-05	3.48E-01	6.01E-05	1.14E-01	5.42E-06	-1.15E+00	-3.11E-05
194	372616	757270	Offsite Worker	1.92E+00	4.10E-03	1.50E+00	6.00E-01	1.22E+00	9.37E-04	6.83E+00	1.24E-01	1.12E+00	4.00E-05	-1.40E-01	-1.08E-05	4.52E-01	7.80E-05	1.96E-01	9.36E-06	4.53E-01	1.22E-05
195	372627	757351	Offsite Worker	2.20E+00	4.69E-03	1.66E+00	6.63E-01	1.87E+00	1.44E-03	7.50E+00	1.36E-01	1.25E+00	4.47E-05	-1.39E-01	-1.07E-05	4.99E-01	8.60E-05	2.38E-01	1.13E-05	1.35E+00	3.66E-05

Table 3-7B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 6, Horizon Year 2025 - Maximum Range
Construction and Operations TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m³)	acetaldehyde Acute Hazard	acrolein (µg/m³)	acrolein Acute Hazard	benzene (µg/m³)	benzene Acute Hazard	formaldehyde (µg/m³)	formaldehyde Acute Hazard	methyl alcohol (µg/m³)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m³)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m³)	phenol (carbolic acid) Acute Hazard	styrene (µg/m³)	styrene Acute Hazard	toluene (µg/m³)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
196	372651	757422	Offsite Worker	2.25E+00	4.80E-03	1.68E+00	6.72E-01	1.86E+00	1.43E-03	7.56E+00	1.38E-01	1.27E+00	4.53E-05	-1.37E-01	-1.05E-05	5.05E-01	8.71E-05	2.40E-01	1.14E-05	1.30E+00	3.50E-05
197	372676	757494	Offsite Worker	2.55E+00	5.42E-03	1.87E+00	7.49E-01	1.87E+00	1.44E-03	8.38E+00	1.52E-01	1.41E+00	5.02E-05	-1.45E-01	-1.12E-05	5.62E-01	9.70E-05	2.59E-01	1.23E-05	1.16E+00	3.14E-05
198	372704	757569	Offsite Worker	2.64E+00	5.61E-03	1.92E+00	7.68E-01	1.26E+00	9.70E-04	8.53E+00	1.55E-01	1.42E+00	5.09E-05	-1.44E-01	-1.11E-05	5.77E-01	9.94E-05	2.40E-01	1.14E-05	1.88E-01	5.09E-06
199	372733	757645	Offsite Worker	2.18E+00	4.64E-03	1.80E+00	7.19E-01	5.87E-01	4.52E-04	7.33E+00	1.33E-01	1.32E+00	4.71E-05	-1.93E-01	-1.48E-05	5.41E-01	9.33E-05	2.01E-01	9.59E-06	-7.46E-01	-2.02E-05
200	372746	757702	Offsite Worker	1.81E+00	3.85E-03	1.67E+00	6.70E-01	1.48E-01	1.14E-04	6.30E+00	1.15E-01	1.22E+00	4.36E-05	-2.25E-01	-1.73E-05	5.05E-01	8.71E-05	1.72E-01	8.20E-06	-1.33E+00	-3.61E-05
201	372746	757768	Offsite Worker	1.37E+00	2.92E-03	1.48E+00	5.94E-01	-1.68E-01	-1.29E-04	4.99E+00	9.08E-02	1.08E+00	3.84E-05	-2.46E-01	-1.90E-05	4.50E-01	7.75E-05	1.41E-01	6.71E-06	-1.68E+00	-4.55E-05
202	372807	757781	Offsite Worker	1.48E+00	3.15E-03	1.50E+00	6.02E-01	-4.93E-02	-3.79E-05	5.29E+00	9.62E-02	1.09E+00	3.90E-05	-2.32E-01	-1.78E-05	4.55E-01	7.85E-05	1.47E-01	7.02E-06	-1.51E+00	-4.07E-05
203	372901	757782	Offsite Worker	1.75E+00	3.72E-03	1.56E+00	6.22E-01	2.67E-01	2.05E-04	6.28E+00	1.14E-01	1.14E+00	4.06E-05	-1.96E-01	-1.51E-05	4.69E-01	8.09E-05	1.65E-01	7.85E-06	-1.05E+00	-2.83E-05
204	372994	757783	Offsite Worker	2.02E+00	4.30E-03	1.62E+00	6.46E-01	5.79E-01	4.45E-04	7.03E+00	1.28E-01	1.19E+00	4.24E-05	-1.62E-01	-1.24E-05	4.86E-01	8.38E-05	1.83E-01	8.71E-06	-6.03E-01	-1.63E-05
205	373087	757783	Offsite Worker	2.26E+00	4.82E-03	1.66E+00	6.66E-01	9.08E-01	6.98E-04	7.65E+00	1.39E-01	1.23E+00	4.39E-05	-1.30E-01	-9.97E-06	5.00E-01	8.62E-05	2.01E-01	9.55E-06	-1.26E-01	-3.41E-06
206	373180	757784	Offsite Worker	2.49E+00	5.29E-03	1.72E+00	6.88E-01	1.12E+00	8.62E-04	8.20E+00	1.49E-01	1.27E+00	4.55E-05	-1.05E-01	-8.06E-06	5.16E-01	8.90E-05	2.14E-01	1.02E-05	1.60E-01	4.32E-06
207	373274	757785	Offsite Worker	2.50E+00	5.31E-03	1.68E+00	6.70E-01	1.16E+00	8.96E-04	8.14E+00	1.48E-01	1.24E+00	4.44E-05	-8.65E-02	-6.66E-06	5.02E-01	8.66E-05	2.11E-01	1.01E-05	2.62E-01	7.09E-06
208	373367	757786	Offsite Worker	2.21E+00	4.70E-03	1.53E+00	6.11E-01	1.13E+00	8.69E-04	7.28E+00	1.32E-01	1.13E+00	4.05E-05	-9.24E-02	-7.11E-06	4.58E-01	7.90E-05	1.95E-01	9.31E-06	3.37E-01	9.11E-06
209	373418	757742	Offsite Worker	2.41E+00	5.12E-03	1.60E+00	6.40E-01	2.14E+00	1.65E-03	7.78E+00	1.41E-01	1.22E+00	4.34E-05	-7.80E-02	-6.00E-06	4.80E-01	8.28E-05	2.43E-01	1.16E-05	1.83E+00	4.96E-05
210	373418	757653	Offsite Worker	2.87E+00	6.11E-03	1.79E+00	7.17E-01	2.69E+00	2.07E-03	9.07E+00	1.65E-01	1.37E+00	4.88E-05	-5.19E-02	-4.00E-06	5.36E-01	9.24E-05	2.83E-01	1.35E-05	2.55E+00	6.90E-05
211	373419	757564	Offsite Worker	2.45E+00	5.21E-03	1.57E+00	6.30E-01	1.32E+00	1.01E-03	7.77E+00	1.41E-01	1.17E+00	4.19E-05	-6.11E-02	-4.70E-06	4.71E-01	8.12E-05	2.08E-01	9.89E-06	6.31E-01	1.71E-05
212	373419	757475	Offsite Worker	1.27E+00	2.70E-03	9.84E-01	3.93E-01	2.92E-01	2.25E-04	4.42E+00	8.04E-02	7.22E-01	2.58E-05	-9.07E-02	-6.97E-06	2.97E-01	5.12E-05	1.09E-01	5.17E-06	-5.21E-01	-1.41E-05
213	373420	757386	Offsite Worker	1.22E+00	2.59E-03	9.53E-01	3.81E-01	2.77E-01	2.13E-04	4.25E+00	7.73E-02	6.99E-01	2.50E-05	-9.04E-02	-6.96E-06	2.88E-01	4.97E-05	1.05E-01	5.00E-06	-5.19E-01	-1.40E-05
214	373420	757297	Offsite Worker	1.41E+00	3.00E-03	1.06E+00	4.22E-01	2.87E-01	2.21E-04	4.74E+00	8.61E-02	7.73E-01	2.76E-05	-8.81E-02	-6.78E-06	3.19E-01	5.49E-05	1.15E-01	5.49E-06	-6.03E-01	-1.63E-05
215	373421	757207	Offsite Worker	1.65E+00	3.50E-03	1.18E+00	4.71E-01	3.16E-01	2.43E-04	5.31E+00	9.65E-02	8.61E-01	3.07E-05	-8.27E-02	-6.36E-06	3.54E-01	6.11E-05	1.29E-01	6.12E-06	-6.43E-01	-1.74E-05
216	373421	757118	Offsite Worker	1.32E+00	2.81E-03	1.09E+00	4.36E-01	-4.42E-02	-3.40E-05	4.28E+00	7.78E-02	7.90E-01	2.82E-05	-1.18E-01	-9.07E-06	3.30E-01	5.69E-05	1.06E-01	5.03E-06	-1.17E+00	-3.15E-05
217	373292	757117	Offsite Worker	1.78E+00	3.78E-03	1.33E+00	5.34E-01	2.34E-01	1.80E-04	5.86E+00	1.07E-01	9.74E-01	3.48E-05	-1.12E-01	-8.61E-06	4.02E-01	6.94E-05	1.41E-01	6.71E-06	-9.28E-01	-2.51E-05
218	373213	757118	Offsite Worker	2.11E+00	4.49E-03	1.51E+00	6.03E-01	4.77E-01	3.67E-04	7.07E+00	1.29E-01	1.10E+00	3.94E-05	-1.06E-01	-8.16E-06	4.53E-01	7.82E-05	1.68E-01	7.99E-06	-6.86E-01	-1.85E-05
219	373158	757066	Offsite Worker	2.15E+00	4.58E-03	1.57E+00	6.29E-01	4.38E-01	3.37E-04	7.03E+00	1.28E-01	1.15E+00	4.11E-05	-1.20E-01	-9.24E-06	4.73E-01	8.16E-05	1.73E-01	8.22E-06	-8.09E-01	-2.19E-05
220	373084	757026	Offsite Worker	2.15E+00	4.58E-03	1.60E+00	6.41E-01	4.74E-01	3.65E-04	7.10E+00	1.29E-01	1.17E+00	4.19E-05	-1.31E-01	-1.01E-05	4.82E-01	8.32E-05	1.77E-01	8.43E-06	-7.88E-01	-2.13E-05
221	373009	757011	Offsite Worker	2.58E+00	5.49E-03	1.84E+00	7.37E-01	7.43E-01	5.72E-04	8.28E+00	1.51E-01	1.35E+00	4.83E-05	-1.29E-01	-9.94E-06	5.54E-01	9.54E-05	2.11E-01	1.01E-05	-5.64E-01	-1.52E-05
222	372922	757009	Offsite Worker	2.91E+00	6.20E-03	2.02E+00	8.06E-01	1.09E+00	8.39E-04	9.28E+00	1.69E-01	1.49E+00	5.31E-05	-1.22E-01	-9.42E-06	6.05E-01	1.04E-04	2.42E-01	1.15E-05	-1.70E-01	-4.59E-06
223	372835	757007	Offsite Worker	2.77E+00	5.90E-03	1.97E+00	7.87E-01	8.37E-01	6.44E-04	8.93E+00	1.62E-01	1.45E+00	5.16E-05	-1.34E-01	-1.03E-05	5.91E-01	1.02E-04	2.27E-01	1.08E-05	-5.35E-01	-1.45E-05
224	372747	757006	Offsite Worker	3.02E+00	6.43E-03	2.10E+00	8.40E-01	1.77E+00	1.36E-03	9.78E+00	1.78E-01	1.57E+00	5.60E-05	-1.31E-01	-1.00E-05	6.31E-01	1.09E-04	2.77E-01	1.32E-05	7.85E-01	2.12E-05
225	372660	757004	Offsite Worker	5.56E+00	1.18E-02	3.37E+00	1.35E+00	6.05E+00	4.65E-03	1.74E+01	3.17E-01	2.59E+00	9.26E-05	-6.15E-02	-4.73E-06	1.00E+00	1.73E-04	5.71E-01	2.72E-05	6.39E+00	1.73E-04
226	372651	757063	Offsite Worker	6.06E+00	1.29E-02	3.58E+00	1.43E+00	8.86E+00	6.82E-03	1.91E+01	3.47E-01	2.82E+00	1.01E-04	-3.61E-02	-2.78E-06	1.07E+00	1.84E-04	7.04E-01	3.35E-05	1.05E+01	2.85E-04
227	372629	756931	Offsite Worker	4.30E+00	9.14E-03	2.75E+00	1.10E+00	3.32E+00	2.55E-03	1.33E+01	2.41E-01	2.07E+00	7.41E-05	-9.99E-02	-7.69E-06	8.22E-01	1.42E-04	4.02E-01	1.92E-05	2.65E+00	7.17E-05
228	372631	756857	Offsite Worker	4.38E+00	9.31E-03	2.78E+00	1.11E+00	3.32E+00	2.55E-03	1.33E+01	2.42E-01	2.10E+00	7.50E-05	-9.65E-02	-7.42E-06	8.32E-01	1.43E-04	4.06E-01	1.93E-05	2.64E+00	7.15E-05
229	372634	756783	Offsite Worker	3.59E+00	7.64E-03	2.37E+00	9.50E-01	2.62E+00	2.02E-03	1.10E+01	2.00E-01	1.79E+00	6.39E-05	-1.12E-01	-8.62E-06	7.12E-01	1.23E-04	3.38E-01	1.61E-05	1.87E+00	5.06E-05
230	372702	756778	Offsite Worker	3.26E+00	6.94E-03	2.22E+00	8.86E-01	2.21E+00	1.70E-03	1.01E+01	1.83E-01	1.66E+00	5.94E-05	-1.22E-01	-9.42E-06	6.65E-01	1.15E-04	3.06E-01	1.46E-05	1.36E+00	3.67E-05
231	372756	756775	Offsite Worker	2.87E+00	6.11E-03	1.96E+00	7.84E-01	1.96E+00	1.51E-03	8.87E+00	1.61E-01	1.47E+00	5.26E-05	-1.11E-01	-8.54E-06	5.89E-01	1.02E-04	2.71E-01	1.29E-05	1.18E+00	3.18E-05
232	372729	756712	Offsite Worker	2.91E+00	6.19E-03	2.02E+00	8.06E-01	2.76E+00	2.12E-03	9.07E+00	1.65E-01	1.54E+00	5.48E-05	-1.23E-01	-9.50E-06	6.06E-01	1.05E-04	3.08E-01	1.47E-05	2.33E+00	6.30E-05
233	372703	756650	Offsite Worker	3.06E+00	6.50E-03	2.12E+00	8.49E-01	2.38E+00	1.83E-03	9.47E+00	1.72E-01	1.60E+00	5.72E-05	-1.31E-01	-1.01E-05	6.38E-01	1.10E-04	3.04E-01	1.45E-05	1.69E+00	4.56E-05
234	372677	756588	Offsite Worker	3.45E+00	7.34E-03	2.33E+00	9.32E-01	2.86E+00	2.20E-03	1.06E+01	1.93E-01	1.76E+00	6.30E-05	-1.25E-01	-9.62E-06	6.99E-01	1.21E-04	3.43E-01	1.63E-05	2.26E+00	6.12E-05
235	372619	756588	Offsite Worker	2.86E+00	6.08E-03	2.04E+00	8.14E-01	2.47E+00	1.90E-03	8.93E+00	1.62E-01	1.54E+00	5.51E-05	-1.41E-01	-1.08E-05	6.13E-01	1.06E-04	2.98E-01	1.42E-05	1.85E+00	4.99E-05
236	372622	756509	Offsite Worker	6.03E+00	1.28E-02	3.97E+00	1.59E+00	2.66E+00	2.05E-03	1.81E+01	3.30E-01	2.94E+00	1.05E-04	-1.81E-01	-1.39E-05	1.19E+00	2.05E-04	4.98E-01	2.37E-05	6.04E-01	1.63E-05
237	372700	756511	Offsite Worker	5.31E+00	1.13E-02	3.52E+00	1.41E+00	2.42E+00	1.86E-03	1.60E+01	2.91E-01	2.61E+00	9.31E-05	-1.68E-01	-1.29E-05	1.05E+00	1.82E-04	4.44E-01	2.11E-05	6.10E-01	1.65E-05
238	372789	756510	Offsite Worker	4.65E+00	9.89E-03	3.12E+00	1.25E+00	1.94E+00	1.50E-03	1.40E+01	2.55E-01	2.31E+00	8.24E-05	-1.62E-01	-1.24E-05	9.34E-01	1.61E-04	3.85E-01	1.84E-05	2.06E-01	5.56E-06
239	372871	756509	Offsite Worker	4.13E+00	8.79E-03	2.81E+00	1.13E+00	1.48E+00	1.14E-03	1.25E+01	2.27E-01	2.07E+00	7.40E-05	-1.58E-01	-1.21E-05	8.43E-01	1.45E-04	3.37E-01	1.60E-05	-2.48E-01	-6.72E-06
240	372871	756437	Offsite Worker	3.29E+00	7.00E-03	2.35E+00	9.41E-01	6.23E-01	4.79E-04	1.00E+01	1.83E-01	1.72E+00	6.13E-05	-1.65E-01	-1.27E-05	7.06E-01	1.22E-04	2.57E-01	1.22E-05	-1.19E+00	-3.21E-05
241	372970	756437	Offsite Worker	2.85E+00	6.07E-03	2.06E+00	8.22E-01	5.89E-01	4.53E-04	8.72E+00	1.59E-01	1.50E+00	5.37E-05	-1.49E-01	-1.15E-05	6.17E-01	1.06E-04	2.26E-01	1.08E-05	-9.94E-01	-2.69E-05
242	373069	756437	Offsite Worker	2.59E+00	5.52E-03	1.87E+00	7.47E-01	4.96E-01	3.81E-04	7.92E+00	1.44E-01	1.36E+00	4.87E-05	-1.35E-01	-1.04E-05	5.61E-01	9.67E-05	2.04E-01	9.72E-06	-9.76E-01	-2.64E-05
243	373168	756437	Offsite Worker	2.61E+00	5.56E-03	1.85E+00	7.41E-01	4.92E-01	3.78E-04	7.94E+00	1.44E-01	1.35E+00	4.83E-05	-1.26E-01	-9.67E-06	5.56E-01	9.59E-05	2.02E-01	9.64E-06	-9.53E-01	-2.58E-05
244	373267	756437	Offsite Worker	2.69E+00	5.73E-03	1.87E+00	7.49E-01	5.49E-01	4.22E-04	8.14E+00	1.48E-01	1.37E+00	4.89E-05	-1.17E-01	-8.98E-06	5.62E-01	9.68E-05	2.07E-01	9.85E-06	-8.62E-01	-2.33E-05
245	373412	756437	Offsite Worker	2.63E+00	5.60E-03	1.80E+00	7.21E-01	7.16E-01	5.51E-04	7.94E+00	1.44E-01	1.32E+00	4.72E-05	-1.05E-01	-8.05E-06	5.41E-01	9.32E-05	2.07E-01	9.84E-06	-5.36E-01	-1.45E-05
246	373409	756339	Offsite Worker	2.31E+00	4.91E-03	1.75E+00	7.02E-01	-7.50E-02	-5.77E-05	7.10E+00	1.29E-01	1.27E+00	4.53E-05	-1.54E-01	-1.18E-05	5.28E-01	9.11E-05	1.70E-01	8.12E-06	-1.77E+00	-4.80E-05
247	373406	756240	Offsite Worker	2.48E+00	5.28E-03	1.90E+00	7.61E-01	-2.61E-01	-2.01E-04	7.66E+00	1.39E-01	1.37E+00	4.89E-05	-1.70E-01	-1.31E-05	5.72E-01	9.86E-05	1.78E-01	8.48E-06	-2.15E+00	-5.82E-05
248	373403	756142	Offsite Worker	2.64E+00	5.62E-03	1.96E+00	7.85E-01	5.63E-01	4.33E-04	8.15E+00	1.48E-01	1.44E+00	5.13E-05	-1.58E-01	-1.22E-05	5.89E-01	1.02E-04	2.16E-01	1.03E-05	-9.29E-01	-2.51E-05
249	373400	756042	Offsite Worker	1.58E+00	3.37E-03	1.74E+00	6.96E-01	1.13E-01	8.71E-05	5.64E+00	1.02E-01	1.27E+00	4.53E-05	-2.94E-01	-2.26E-05	5.26E-01	9.07E-05	1.78E-01	8.46E-06	-1.44E+00	-3.90E-05
250	373397	755944	Offsite Worker	7.92E-01	1.69E-03	1.26E+00	5.04E-01	-4.63E-01	-3.56E-04	3.29E+00	5.99E-02	9.08E-01	3.24E-05	-2.85E-01	-2.19E-05	3.84E-01	6.62E-05	1.07E-01	5.11E-06	-1.95E+00	-5.26E-05
251	373393	755846	Offsite Worker	6.53E-01	1.39E-03	1.11E+00	4.44E-01	-5.48E-01	-4.22E-04	2.79E+00	5.08E-02	7.95E-01	2.84E-05	-2.59E-01	-2.00E-05	3.38E-01	5.83E-05	8.89E-02	4.23E-06	-1.94E+00	-5.25E-05
252	373390	755747	Offsite Worker	1.10E+00	2.35E-03	1.25E+00	4.98E-01	-6.77E-01	-5.21E-04	3.90E+00	7.09E-02	8.87E-01	3.17E-05	-2.17E-01	-1.67E-05	3.77E-01	6.50E-05	9.73E-02	4.63E-06	-2.21E+00	-5.96E-05
253	373309	755744	Offsite Worker	1.30E+00	2.76E-03	1.36E+00	5.45E-01	-6.77E-01	-5.20E-04	4.46E+00	8.11E-02	9.72E-01	3.47E-05	-2.19E-01	-1.69E-05	4.12E-01	7.10E-05	1.09E-01	5.19E-06	-2.29E+00	-6.18E-05
254	373229	755743	Offsite Worker	1.38E+00	2.94E-03	1.43E+00	5.71E-01	-6.10E-01	-4.69E-04	4.73E+00	8.59E-02	1.02E+00	3.64E-05	-2.25E-01	-1.73E-05	4.30E-01	7.42E-05	1.18E-01	5.62E-06	-2.24E+00	-6.05E-05
255	373143	755741	Offsite Worker	1.33E+00	2.83E-03	1.44E+00	5.74E-01	-4.48E-01	-3.45E-04	4.65E+00	8.46E-02	1.03E+00	3.68E-05	-2.38E-01	-1.83E-05	4.33E-01	7.47E-05	1.25E-01	5.97E-06	-2.00E+00	-5.40E-05
256	373143	755823	Offsite Worker	8.89E-01	1.89E-03	1.31E+00	5.24E-01	-9.74E-01	-7.49E-04	3.52E+00	6.40E-02	9.27E-01	3.31E-05	-2.83E-01	-2.17E-05	3.97E-01	6.85E-05	9.23E-02	4.40E-06	-2.72E+00	-7.35E-05
257	373143	755906	Offsite Worker	4.16E-01	8.85E-04	1.28E+00	5.12E-01	-1.04E+00	-7.98E-04	2.50E+00	4.55E-02	9.09E-01	3.25E-05	-3.68E-01	-2.83E-05	3.91E-01	6.74E-05	8.74E-02	4.16E-06	-2.83E+00	-7.66E-05
258	373065	755906	Offsite Worker	3.73E-01	7.94E-04	1.30E+00	5.21E-01	-1.27E+00	-9.73E-04	2.43E+00	4.41E-02	9.18E-01	3.28E-05	-3.84E-01	-2.95E-05	3.98E-01	6.85E-05	8.07E-02	3.84E-06	-3.19E+00	-8.63E-05
259	373065	755827	Offsite Worker	5.21E-01	1.11E-03	1.28E+00	5.10E-01	-1.08E+00	-8.34E-04	2.72E+00	4.94E-02	9.02E-01	3.22E-05	-3.45E-01	-2.65E-05	3.88E-01	6.69E-05	8.51E-02	4.05E-06	-2.86E+00	-7.73E-05
260	373068	755733	Offsite Worker	1.67E+00	3.55E-03	1.55E+00	6.19E-01	-3.18E-01	-2.45E-04	5.51E+00	1.00E-01	1.11E+00	3.98E-05	-2.09E-01	-1.61E-05	4.66E-01	8.04E-05	1.41E-01	6.73E-06	-1.89E+00	-5.11E-05

Table 3-7B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 6, Horizon Year 2025 - Maximum Range
Construction and Operations TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m³)	acetaldehyde Acute Hazard	acrolein (µg/m³)	acrolein Acute Hazard	benzene (µg/m³)	benzene Acute Hazard	formaldehyde (µg/m³)	formaldehyde Acute Hazard	methyl alcohol (µg/m³)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m³)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m³)	phenol (carbolic acid) Acute Hazard	styrene (µg/m³)	styrene Acute Hazard	toluene (µg/m³)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
261	373007	755733	Offsite Worker	1.70E+00	3.63E-03	1.55E+00	6.21E-01	-3.38E-01	-2.60E-04	5.59E+00	1.02E-01	1.12E+00	3.99E-05	-2.04E-01	-1.57E-05	4.68E-01	8.06E-05	1.41E-01	6.71E-06	-1.93E+00	-5.21E-05
262	372941	755733	Offsite Worker	1.80E+00	3.82E-03	1.57E+00	6.27E-01	-4.30E-01	-3.31E-04	5.79E+00	1.05E-01	1.12E+00	4.01E-05	-1.90E-01	-1.46E-05	4.72E-01	8.13E-05	1.39E-01	6.60E-06	-2.08E+00	-5.63E-05
263	372941	755636	Offsite Worker	1.18E+00	2.51E-03	1.05E+00	4.18E-01	-3.45E-01	-2.65E-04	3.80E+00	6.91E-02	7.51E-01	2.68E-05	-1.31E-01	-1.01E-05	3.17E-01	5.46E-05	8.98E-02	4.28E-06	-1.57E+00	-4.23E-05
264	372941	755539	Offsite Worker	8.35E-01	1.78E-03	8.44E-01	3.38E-01	-7.34E-01	-5.65E-04	2.78E+00	5.05E-02	5.94E-01	2.12E-05	-1.30E-01	-9.98E-06	2.56E-01	4.42E-05	5.45E-02	2.59E-06	-1.99E+00	-5.38E-05
265	372941	755442	Offsite Worker	-1.38E-01	-2.93E-04	3.47E-01	1.39E-01	-8.06E-01	-6.20E-04	9.01E-02	1.64E-03	2.36E-01	8.43E-06	-1.51E-01	-1.16E-05	1.09E-01	1.89E-05	2.48E-03	1.18E-07	-1.71E+00	-4.63E-05
266	372913	755342	Offsite Worker	-1.95E-01	-4.14E-04	3.12E-01	1.25E-01	-1.15E+00	-8.86E-04	-1.06E-01	-1.93E-03	2.01E-01	7.19E-06	-1.50E-01	-1.16E-05	9.89E-02	1.70E-05	-1.45E-02	-6.91E-07	-2.20E+00	-5.95E-05
267	372817	755346	Offsite Worker	-4.06E-01	-8.64E-04	2.09E-01	8.37E-02	-1.57E+00	-1.21E-03	-7.28E-01	-1.32E-02	1.16E-01	4.16E-06	-1.57E-01	-1.21E-05	6.88E-02	1.19E-05	-4.13E-02	-1.97E-06	-2.78E+00	-7.51E-05
268	372720	755349	Offsite Worker	-7.86E-02	-1.67E-04	3.75E-01	1.50E-01	-2.08E+00	-1.60E-03	1.21E-01	2.20E-03	2.21E-01	7.88E-06	-1.49E-01	-1.15E-05	1.17E-01	2.03E-05	-4.52E-02	-2.15E-06	-3.70E+00	-9.99E-05
269	372624	755352	Offsite Worker	5.90E-01	1.26E-03	7.31E-01	2.92E-01	-2.76E+00	-2.12E-03	1.92E+00	3.50E-02	4.56E-01	1.63E-05	-1.40E-01	-1.07E-05	2.22E-01	3.82E-05	-3.65E-02	-1.74E-06	-4.98E+00	-1.35E-04
270	372527	755349	Offsite Worker	6.91E-01	1.47E-03	7.75E-01	3.10E-01	-2.85E+00	-2.19E-03	2.18E+00	3.97E-02	4.85E-01	1.73E-05	-1.35E-01	-1.04E-05	2.35E-01	4.05E-05	-3.60E-02	-1.71E-06	-5.17E+00	-1.40E-04
271	372431	755353	Offsite Worker	2.32E-01	4.94E-04	5.09E-01	2.04E-01	-2.43E+00	-1.87E-03	9.16E-01	1.67E-02	3.06E-01	1.09E-05	-1.34E-01	-1.03E-05	1.56E-01	2.70E-05	-4.55E-02	-2.17E-06	-4.31E+00	-1.17E-04
272	372334	755356	Offsite Worker	-1.21E-01	-2.57E-04	3.31E-01	1.32E-01	-2.04E+00	-1.57E-03	-1.36E-02	-2.47E-04	1.89E-01	6.76E-06	-1.42E-01	-1.09E-05	1.04E-01	1.79E-05	-4.79E-02	-2.28E-06	-3.58E+00	-9.69E-05
273	372237	755359	Offsite Worker	3.24E-01	6.89E-04	5.48E-01	2.19E-01	-2.16E+00	-1.66E-03	1.19E+00	2.17E-02	3.41E-01	1.22E-05	-1.29E-01	-9.91E-06	1.68E-01	2.89E-05	-3.10E-02	-1.48E-06	-3.92E+00	-1.06E-04
274	372141	755362	Offsite Worker	2.82E-01	5.99E-04	5.28E-01	2.11E-01	-1.48E+00	-1.14E-03	1.16E+00	2.11E-02	3.45E-01	1.23E-05	-1.30E-01	-1.00E-05	1.61E-01	2.78E-05	-5.78E-03	-2.75E-07	-2.82E+00	-7.61E-05
275	372044	755366	Offsite Worker	7.52E-01	1.60E-03	7.88E-01	3.15E-01	-1.11E+00	-8.51E-04	2.52E+00	4.58E-02	5.42E-01	1.94E-05	-1.27E-01	-9.73E-06	2.38E-01	4.11E-05	3.45E-02	1.64E-06	-2.46E+00	-6.65E-05
276	371948	755369	Offsite Worker	6.68E-01	1.42E-03	7.77E-01	3.11E-01	-6.38E-01	-4.91E-04	2.37E+00	4.31E-02	5.49E-01	1.96E-05	-1.39E-01	-1.07E-05	2.36E-01	4.08E-05	5.17E-02	2.46E-06	-1.78E+00	-4.80E-05
277	371851	755372	Offsite Worker	-5.89E-01	-1.25E-03	2.60E-01	1.04E-01	-1.92E+00	-1.48E-03	-1.07E+00	-1.94E-02	1.47E-01	5.24E-06	-2.12E-01	-1.63E-05	8.62E-02	1.49E-05	-5.00E-02	-2.38E-06	-3.42E+00	-9.25E-05
278	371755	755375	Offsite Worker	-1.53E+00	-3.25E-03	-1.03E-01	-4.13E-02	-3.60E+00	-2.77E-03	-3.65E+00	-6.64E-02	-1.59E-01	-5.69E-06	-2.73E-01	-2.10E-05	-2.08E-02	-3.59E-06	-1.52E-01	-7.23E-06	-5.71E+00	-1.54E-04
279	371658	755378	Offsite Worker	-1.88E+00	-4.01E-03	-2.55E-01	-1.02E-01	-4.85E+00	-3.73E-03	-4.73E+00	-8.59E-02	-3.02E-01	-1.08E-05	-2.93E-01	-2.25E-05	-6.54E-02	-1.13E-05	-2.16E-01	-1.03E-05	-7.53E+00	-2.04E-04
280	371562	755382	Offsite Worker	-1.83E+00	-3.90E-03	-2.50E-01	-9.98E-02	-3.67E+00	-2.82E-03	-4.49E+00	-8.17E-02	-2.65E-01	-9.47E-06	-2.84E-01	-2.18E-05	-6.34E-02	-1.09E-05	-1.69E-01	-8.06E-06	-5.73E+00	-1.55E-04
281	371465	755385	Offsite Worker	-4.11E-01	-8.74E-04	4.33E-01	1.73E-01	-2.55E+00	-1.96E-03	-5.26E-01	-9.56E-03	2.54E-01	9.08E-06	-2.37E-01	-1.82E-05	1.38E-01	2.38E-05	-5.79E-02	-2.76E-06	-4.56E+00	-1.23E-04
282	371368	755388	Offsite Worker	1.27E+00	2.70E-03	1.24E+00	4.97E-01	-1.61E+00	-1.24E-03	4.14E+00	7.52E-02	8.60E-01	3.07E-05	-1.83E-01	-1.41E-05	3.77E-01	6.50E-05	5.93E-02	2.83E-06	-3.73E+00	-1.01E-04
283	371272	755391	Offsite Worker	3.15E+00	6.71E-03	2.25E+00	9.02E-01	1.30E+00	1.00E-03	9.71E+00	1.77E-01	1.66E+00	5.95E-05	-1.58E-01	-1.21E-05	6.75E-01	1.16E-04	2.75E-01	1.31E-05	8.06E-03	2.18E-07
284	371175	755395	Offsite Worker	2.93E+00	6.24E-03	2.20E+00	8.79E-01	1.27E+00	9.80E-04	9.19E+00	1.67E-01	1.62E+00	5.80E-05	-1.82E-01	-1.40E-05	6.59E-01	1.14E-04	2.68E-01	1.28E-05	2.48E-02	6.70E-07
285	371079	755398	Offsite Worker	1.50E+00	3.18E-03	1.41E+00	5.65E-01	-8.48E-01	-6.53E-04	4.95E+00	8.99E-02	1.00E+00	3.57E-05	-1.96E-01	-1.51E-05	4.26E-01	7.34E-05	1.07E-01	5.08E-06	-2.60E+00	-7.03E-05
286	371042	755478	Offsite Worker	2.86E-01	6.08E-04	7.48E-01	2.99E-01	-1.12E+00	-8.63E-04	1.52E+00	2.76E-02	5.17E-01	1.85E-05	-2.07E-01	-1.59E-05	2.29E-01	3.95E-05	3.02E-02	1.44E-06	-2.51E+00	-6.79E-05
287	371009	755538	Offsite Worker	5.00E-01	1.06E-03	8.47E-01	3.39E-01	-2.71E-01	-2.08E-04	2.18E+00	3.97E-02	6.12E-01	2.19E-05	-1.98E-01	-1.52E-05	2.59E-01	4.46E-05	7.35E-02	3.50E-06	-1.29E+00	-3.48E-05
288	370975	755597	Offsite Worker	-9.66E-01	-2.05E-03	-2.91E-03	-1.16E-03	-3.60E-01	-2.77E-04	-2.00E+00	-3.64E-02	-3.12E-04	-1.11E-08	-1.95E-01	-1.50E-05	7.14E-03	1.23E-06	-1.42E-02	-6.77E-07	-7.59E-01	-2.05E-05
289	370925	755597	Offsite Worker	-1.26E+00	-2.68E-03	-1.19E-01	-4.76E-02	-1.15E+00	-8.85E-04	-2.83E+00	-5.15E-02	-1.05E-01	-3.76E-06	-2.13E-01	-1.64E-05	-2.73E-02	-4.70E-06	-5.67E-02	-2.70E-06	-1.87E+00	-5.06E-05
290	370860	755547	Offsite Worker	-8.08E-01	-1.72E-03	3.52E-01	1.41E-01	-3.02E+00	-2.32E-03	-1.45E+00	-2.64E-02	1.83E-01	6.55E-06	-2.89E-01	-2.22E-05	1.14E-01	1.96E-05	-8.35E-02	-3.97E-06	-5.13E+00	-1.39E-04
291	370796	755497	Offsite Worker	1.92E+00	4.09E-03	1.74E+00	6.95E-01	-1.71E+00	-1.32E-03	6.19E+00	1.12E-01	1.21E+00	4.33E-05	-2.25E-01	-1.73E-05	5.23E-01	9.02E-05	1.05E-01	4.99E-06	-4.23E+00	-1.14E-04
292	370733	755428	Offsite Worker	1.10E+00	2.34E-03	1.26E+00	5.03E-01	-3.78E-01	-2.91E-04	3.96E+00	7.20E-02	9.05E-01	3.23E-05	-2.22E-01	-1.71E-05	3.82E-01	6.58E-05	1.10E-01	5.23E-06	-1.82E+00	-4.92E-05
293	370634	755428	Offsite Worker	-1.20E+00	-2.56E-03	9.43E-02	3.77E-02	-3.33E+00	-2.56E-03	-2.67E+00	-4.85E-02	-9.69E-03	-3.46E-07	-2.78E-01	-2.14E-05	3.78E-02	6.53E-06	-1.22E-01	-5.79E-06	-5.45E+00	-1.47E-04
294	370536	755428	Offsite Worker	2.05E+00	4.36E-03	1.65E+00	6.61E-01	1.15E+00	8.81E-04	6.62E+00	1.20E-01	1.23E+00	4.39E-05	-1.69E-01	-1.30E-05	4.98E-01	8.58E-05	2.09E-01	9.96E-06	2.39E-01	6.45E-06
295	370437	755428	Offsite Worker	1.92E+00	4.08E-03	1.66E+00	6.62E-01	-1.71E+00	-1.32E-03	6.06E+00	1.10E-01	1.15E+00	4.12E-05	-1.98E-01	-1.52E-05	4.98E-01	8.59E-05	9.68E-02	4.61E-06	-4.15E+00	-1.12E-04
296	370338	755427	Offsite Worker	2.99E+00	6.36E-03	2.32E+00	9.27E-01	-1.08E+00	-8.31E-04	9.24E+00	1.68E-01	1.64E+00	5.87E-05	-2.14E-01	-1.64E-05	6.94E-01	1.20E-04	1.87E-01	8.91E-06	-3.70E+00	-1.00E-04
307	369249	755442	Offsite Worker	3.74E+00	7.95E-03	2.80E+00	1.12E+00	1.01E+00	7.79E-04	1.17E+01	2.13E-01	2.06E+00	7.34E-05	-2.34E-01	-1.80E-05	8.40E-01	1.45E-04	3.18E-01	1.52E-05	-9.01E-01	-2.44E-05
308	369151	755442	Offsite Worker	3.24E+00	6.89E-03	2.59E+00	1.04E+00	1.07E+00	8.22E-04	1.04E+01	1.88E-01	1.90E+00	6.80E-05	-2.59E-01	-1.99E-05	7.78E-01	1.34E-04	2.99E-01	1.42E-05	-6.89E-01	-1.86E-05
309	369052	755442	Offsite Worker	2.54E+00	5.40E-03	2.22E+00	8.87E-01	3.97E-01	3.06E-04	8.34E+00	1.52E-01	1.62E+00	5.78E-05	-2.70E-01	-2.08E-05	6.69E-01	1.15E-04	2.36E-01	1.12E-05	-1.45E+00	-3.91E-05
320	368035	755402	Offsite Worker	3.43E+00	7.29E-03	2.44E+00	9.75E-01	1.18E+00	9.09E-04	1.07E+01	1.94E-01	1.79E+00	6.41E-05	-1.68E-01	-1.29E-05	7.30E-01	1.26E-04	2.88E-01	1.37E-05	-3.21E-01	-8.67E-06
321	367960	755389	Offsite Worker	3.22E+00	6.86E-03	2.32E+00	9.28E-01	1.14E+00	8.78E-04	1.01E+01	1.84E-01	1.71E+00	6.10E-05	-1.67E-01	-1.28E-05	6.95E-01	1.20E-04	2.75E-01	1.31E-05	-2.98E-01	-8.05E-06
322	367863	755390	Offsite Worker	2.85E+00	6.07E-03	2.15E+00	8.60E-01	1.17E+00	9.03E-04	9.13E+00	1.66E-01	1.59E+00	5.67E-05	-1.82E-01	-1.40E-05	6.45E-01	1.11E-04	2.59E-01	1.24E-05	-1.21E-01	-3.28E-06
323	367766	755392	Offsite Worker	2.50E+00	5.33E-03	1.94E+00	7.76E-01	1.25E+00	9.62E-04	8.16E+00	1.48E-01	1.44E+00	5.14E-05	-1.79E-01	-1.37E-05	5.83E-01	1.01E-04	2.42E-01	1.15E-05	1.62E-01	4.39E-06
324	367669	755393	Offsite Worker	1.91E+00	4.05E-03	1.64E+00	6.56E-01	6.66E-01	5.12E-04	6.49E+00	1.18E-01	1.21E+00	4.31E-05	-1.93E-01	-1.49E-05	4.94E-01	8.52E-05	1.89E-01	8.99E-06	-5.10E-01	-1.38E-05
325	367572	755394	Offsite Worker	1.42E+00	3.03E-03	1.36E+00	5.46E-01	8.71E-02	6.70E-05	5.10E+00	9.27E-02	9.94E-01	3.55E-05	-1.94E-01	-1.49E-05	4.13E-01	7.12E-05	1.39E-01	6.61E-06	-1.18E+00	-3.18E-05
326	367475	755395	Offsite Worker	1.26E+00	2.67E-03	1.23E+00	4.91E-01	-3.02E-01	-2.32E-04	4.56E+00	8.30E-02	8.85E-01	3.16E-05	-1.80E-01	-1.38E-05	3.72E-01	6.41E-05	1.10E-01	5.23E-06	-1.65E+00	-4.46E-05
327	370400	756850	On-Site Occupational	-1.96E+00	-4.17E-03	1.77E+00	7.08E-01	-5.79E+00	-4.45E-03	-1.91E+00	-3.48E-02	1.16E+00	4.16E-05	-1.02E+00	-7.87E-05	5.59E-01	9.64E-05	-5.00E-02	-2.38E-06	-1.11E+01	-2.99E-04
1	367379	755396	Recreational	1.37E+00	2.91E-03	1.31E+00	5.24E-01	-3.15E-01	-2.42E-04	4.93E+00	8.97E-02	9.44E-01	3.37E-05	-1.86E-01	-1.43E-05	3.96E-01	6.83E-05	1.18E-01	5.60E-06	-1.74E+00	-4.70E-05
2	367340	755485	Recreational	1.35E+00	2.86E-03	1.35E+00	5.38E-01	1.31E-01	1.01E-04	5.07E+00	9.21E-02	9.82E-01	3.51E-05	-2.03E-01	-1.56E-05	4.07E-01	7.02E-05	1.39E-01	6.60E-06	-1.09E+00	-2.95E-05
3	367301	755573	Recreational	1.30E+00	2.77E-03	1.27E+00	5.07E-01	-4.73E-01	-3.63E-04	4.93E+00	8.96E-02	9.09E-01	3.25E-05	-1.84E-01	-1.42E-05	3.84E-01	6.61E-05	1.07E-01	5.10E-06	-1.94E+00	-5.25E-05
4	367263	755661	Recreational	2.05E+00	4.35E-03	1.64E+00	6.56E-01	-4.92E-01	-3.78E-04	7.09E+00	1.29E-01	1.17E+00	4.20E-05	-1.66E-01	-1.28E-05	4.93E-01	8.51E-05	1.43E-01	6.82E-06	-2.26E+00	-6.11E-05
5	367224	755749	Recreational	2.38E+00	5.07E-03	1.87E+00	7.47E-01	1.68E-01	1.29E-04	8.29E+00	1.51E-01	1.36E+00	4.84E-05	-1.78E-01	-1.37E-05	5.61E-01	9.68E-05	1.92E-01	9.13E-06	-1.45E+00	-3.91E-05
6	367186	755838	Recreational	2.81E+00	5.98E-03	2.09E+00	8.34E-01	1.24E+00	9.57E-04	9.67E+00	1.76E-01	1.54E+00	5.51E-05	-1.68E-01	-1.29E-05	6.26E-01	1.08E-04	2.56E-01	1.22E-05	2.58E-02	6.96E-07
7	367147	755926	Recreational	3.27E+00	6.96E-03	2.31E+00	9.22E-01	1.68E+00	1.29E-03	1.10E+01	2.00E-01	1.71E+00	6.11E-05	-1.52E-01	-1.17E-05	6.90E-01	1.19E-04	2.95E-01	1.40E-05	5.61E-01	1.52E-05
8	367109	756014	Recreational	3.09E+00	6.57E-03	2.18E+00	8.72E-01	1.48E+00	1.14E-03	1.04E+01	1.89E-01	1.62E+00	5.77E-05	-1.45E-01	-1.11E-05	6.53E-01	1.13E-04	2.75E-01	1.31E-05	3.70E-01	1.00E-05
9	367070	756103	Recreational	4.00E+00	8.52E-03	2.58E+00	1.03E+00	2.31E+00	1.77E-03	1.28E+01	2.33E-01	1.93E+00	6.88E-05	-1.02E-01	-7.83E-06	7.71E-01	1.33E-04	3.47E-01	1.65E-05	1.33E+00	3.60E-05
10	367032	756191	Recreational	3.80E+00	8.09E-03	2.48E+00	9.93E-01	2.58E+00	1.99E-03	1.21E+01	2.21E-01	1.86E+00	6.65E-05	-1.07E-01	-8.25E-06	7.42E-01	1.28E-04	3.48E-01	1.66E-05	1.81E+00	4.89E-05
11	366993	756279	Recreational	3.21E+00	6.82E-03	2.19E+00	8.77E-01	2.26E+00	1.74E-03	1.03E+01	1.88E-01	1.65E+00	5.88E-05	-1.25E-01	-9.62E-06	6.57E-01	1.13E-04	3.06E-01	1.46E-05	1.51E+00	4.07E-05
12	366954	756367	Recreational	3.09E+00	6.58E-03	2.14E+00	8.56E-01	2.07E+00	1.60E-03	9.90E+00	1.80E-01	1.60E+00	5.73E-05	-1.31E-01	-1.00E-05	6.42E-01	1.11E-04	2.94E-01	1.40E-05	1.25E+00	3.39E-05
13	366916	756456	Recreational	2.47E+00	5.26E-03	1.77E+00	7.06E-01	1.70E+00	1.31E-03	8.00E+00	1.45E-01	1.32E+00	4.73E-05	-1.24E-01	-9.52E-06	5.31E-01	9.15E-05	2.42E-01	1.15E-05	9.93E-01	2.68E-05
14	366877	756544	Recreational	2.80E+00	5.96E-03	1.97E+00	7.89E-01	1.09E+00	8.41E-04	8.84E+00	1.61E-01	1.46E+00	5.20E-05	-1.30E-01	-1.00E-05	5.92E-01	1.02E-04	2.38E-01	1.13E-05	-1.10E-01	-2.97E-06
15	366839	756632	Recreational	2.38E+00	5.06E-03	1.76E+00	7.06E-01	4.81E-01	3.70E-04	7.60E+00	1.38E-01	1.29E+00	4.61E-05	-1.42E-01	-1.09E-05	5.30E-01	9.13E-05	1.94E-01	9.22E-06	-8.72E-01	-2.36E-05
16	366800	756720	Recreational	2.11E+00	4.49E-03	1.61E+00	6.45E-01	4.39E-01	3.38E-04	6.80E+00	1.24E-01	1.18E+00	4.22E-05	-1.43E-01	-1.10E-05	4.85E-01	8.37E-05	1.77E-01	8.42E-06	-8.40E-01	-2.27E-05
17	366762	756809	Recreational	2.31E+00	4.91E-03	1.66E+00	6.65E-01	9.86E-01	7.58E-04	7.31E+00	1.33E-01	1.23E+00	4.39E-05	-1.20E-01	-9.23E-06	5.00E-01	8.61E-05	2.03E-01	9.68E-06	-2.87E-02	-7.77E-07
18	366723	756897	Recreational	2.20E+00	4.69E-03	1.62E+00	6.46E-01	1.28E+00	9.84E-04	7.05E+00	1.28E-01	1.20E+00	4.30E-05	-1.25E-01	-9.59E-06	4.85E-01	8.37E-05	2.10E-01	1.00E-05	4.90E-01	1.33E-05

Table 3-7B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 6, Horizon Year 2025 - Maximum Range
Construction and Operations TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m³)	acetaldehyde Acute Hazard	acrolein (µg/m³)	acrolein Acute Hazard	benzene (µg/m³)	benzene Acute Hazard	formaldehyde (µg/m³)	formaldehyde Acute Hazard	methyl alcohol (µg/m³)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m³)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m³)	phenol (carbolic acid) Acute Hazard	styrene (µg/m³)	styrene Acute Hazard	toluene (µg/m³)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
19	366685	756985	Recreational	1.88E+00	4.00E-03	1.45E+00	5.81E-01	8.35E-01	6.42E-04	6.08E+00	1.11E-01	1.08E+00	3.84E-05	-1.32E-01	-1.02E-05	4.37E-01	7.54E-05	1.77E-01	8.41E-06	-8.87E-02	-2.40E-06
20	366646	757074	Recreational	1.53E+00	3.26E-03	1.27E+00	5.07E-01	3.20E-01	2.46E-04	5.03E+00	9.15E-02	9.29E-01	3.32E-05	-1.38E-01	-1.06E-05	3.83E-01	6.61E-05	1.38E-01	6.56E-06	-7.61E-01	-2.06E-05
21	366607	757162	Recreational	1.50E+00	3.19E-03	1.20E+00	4.82E-01	1.68E-01	1.29E-04	4.84E+00	8.80E-02	8.79E-01	3.14E-05	-1.23E-01	-9.43E-06	3.64E-01	6.27E-05	1.26E-01	5.98E-06	-9.12E-01	-2.46E-05
22	366569	757250	Recreational	1.65E+00	3.51E-03	1.21E+00	4.86E-01	6.44E-02	4.95E-05	5.14E+00	9.35E-02	8.80E-01	3.14E-05	-9.53E-02	-7.33E-06	3.65E-01	6.29E-05	1.23E-01	5.84E-06	-1.03E+00	-2.78E-05
23	366530	757338	Recreational	1.45E+00	3.08E-03	1.13E+00	4.52E-01	-1.10E-01	-8.47E-05	4.57E+00	8.32E-02	8.16E-01	2.91E-05	-1.07E-01	-8.23E-06	3.41E-01	5.87E-05	1.07E-01	5.11E-06	-1.24E+00	-3.36E-05
24	366492	757427	Recreational	1.36E+00	2.88E-03	1.10E+00	4.40E-01	1.02E-01	7.84E-05	4.35E+00	7.90E-02	8.00E-01	2.86E-05	-1.14E-01	-8.80E-06	3.32E-01	5.72E-05	1.13E-01	5.37E-06	-9.09E-01	-2.46E-05
25	366453	757515	Recreational	1.35E+00	2.88E-03	1.09E+00	4.37E-01	3.43E-01	2.64E-04	4.35E+00	7.91E-02	8.02E-01	2.87E-05	-1.12E-01	-8.65E-06	3.30E-01	5.69E-05	1.22E-01	5.79E-06	-5.27E-01	-1.43E-05
26	366415	757603	Recreational	1.33E+00	2.82E-03	1.08E+00	4.31E-01	3.93E-01	3.03E-04	4.27E+00	7.76E-02	7.93E-01	2.83E-05	-1.13E-01	-8.66E-06	3.25E-01	5.61E-05	1.22E-01	5.81E-06	-4.40E-01	-1.19E-05
27	366376	757692	Recreational	1.38E+00	2.93E-03	1.12E+00	4.49E-01	4.25E-01	3.27E-04	4.43E+00	8.06E-02	8.25E-01	2.95E-05	-1.17E-01	-9.02E-06	3.38E-01	5.84E-05	1.28E-01	6.08E-06	-4.21E-01	-1.14E-05
84	369336	758100	Recreational	4.14E+00	8.82E-03	2.81E+00	1.12E+00	2.03E+00	1.56E-03	1.27E+01	2.31E-01	2.08E+00	7.44E-05	-1.53E-01	-1.18E-05	8.40E-01	1.45E-04	3.59E-01	1.71E-05	6.95E-01	1.88E-05
85	369269	758170	Recreational	5.22E+00	1.11E-02	3.38E+00	1.35E+00	2.75E+00	2.12E-03	1.57E+01	2.86E-01	2.52E+00	8.98E-05	-1.38E-01	-1.06E-05	1.01E+00	1.74E-04	4.44E-01	2.11E-05	1.36E+00	3.66E-05
86	369202	758239	Recreational	5.19E+00	1.10E-02	3.37E+00	1.35E+00	2.66E+00	2.04E-03	1.56E+01	2.84E-01	2.50E+00	8.93E-05	-1.39E-01	-1.07E-05	1.00E+00	1.73E-04	4.38E-01	2.09E-05	1.22E+00	3.30E-05
87	369264	758285	Recreational	4.28E+00	9.11E-03	2.86E+00	1.14E+00	2.28E+00	1.75E-03	1.30E+01	2.37E-01	2.13E+00	7.59E-05	-1.43E-01	-1.10E-05	8.54E-01	1.47E-04	3.73E-01	1.78E-05	1.06E+00	2.87E-05
88	369326	758330	Recreational	3.84E+00	8.17E-03	2.56E+00	1.03E+00	1.79E+00	1.38E-03	1.17E+01	2.12E-01	1.90E+00	6.78E-05	-1.28E-01	-9.84E-06	7.66E-01	1.32E-04	3.25E-01	1.55E-05	5.76E-01	1.56E-05
89	369389	758376	Recreational	3.19E+00	6.80E-03	2.18E+00	8.70E-01	1.23E+00	9.46E-04	9.74E+00	1.77E-01	1.60E+00	5.73E-05	-1.22E-01	-9.36E-06	6.50E-01	1.12E-04	2.64E-01	1.26E-05	1.79E-02	4.83E-07
90	369389	758462	Recreational	2.67E+00	5.67E-03	1.89E+00	7.57E-01	9.29E-01	7.14E-04	8.22E+00	1.49E-01	1.39E+00	4.97E-05	-1.28E-01	-9.87E-06	5.66E-01	9.76E-05	2.24E-01	1.07E-05	-2.29E-01	-6.18E-06
91	369389	758548	Recreational	2.19E+00	4.67E-03	1.64E+00	6.56E-01	6.61E-01	5.08E-04	6.87E+00	1.25E-01	1.20E+00	4.30E-05	-1.36E-01	-1.04E-05	4.92E-01	8.49E-05	1.89E-01	8.99E-06	-4.49E-01	-1.21E-05
28	366338	757780	Residential	1.48E+00	3.15E-03	1.17E+00	4.68E-01	6.00E-01	4.61E-04	4.71E+00	8.57E-02	8.65E-01	3.09E-05	-1.14E-01	-8.75E-06	3.53E-01	6.08E-05	1.39E-01	6.63E-06	-2.03E-01	-5.50E-06
29	366402	757746	Residential	1.46E+00	3.10E-03	1.17E+00	4.66E-01	5.66E-01	4.35E-04	4.66E+00	8.47E-02	8.61E-01	3.07E-05	-1.17E-01	-8.99E-06	3.52E-01	6.06E-05	1.38E-01	6.55E-06	-2.53E-01	-6.84E-06
30	366467	757713	Residential	1.43E+00	3.05E-03	1.16E+00	4.64E-01	5.32E-01	4.09E-04	4.60E+00	8.36E-02	8.56E-01	3.06E-05	-1.20E-01	-9.23E-06	3.50E-01	6.03E-05	1.36E-01	6.46E-06	-3.01E-01	-8.12E-06
31	366531	757679	Residential	1.40E+00	2.98E-03	1.15E+00	4.60E-01	4.90E-01	3.77E-04	4.53E+00	8.23E-02	8.48E-01	3.03E-05	-1.23E-01	-9.44E-06	3.47E-01	5.99E-05	1.33E-01	6.34E-06	-3.56E-01	-9.62E-06
32	366567	757773	Residential	1.58E+00	3.36E-03	1.25E+00	4.98E-01	7.68E-01	5.91E-04	5.04E+00	9.16E-02	9.25E-01	3.30E-05	-1.21E-01	-9.32E-06	3.76E-01	6.48E-05	1.54E-01	7.31E-06	-1.91E-02	-5.16E-07
33	366625	757758	Residential	1.59E+00	3.38E-03	1.26E+00	5.04E-01	7.81E-01	6.00E-04	5.08E+00	9.24E-02	9.35E-01	3.34E-05	-1.24E-01	-9.51E-06	3.80E-01	6.55E-05	1.55E-01	7.40E-06	-1.45E-02	-3.92E-07
34	366682	757744	Residential	1.60E+00	3.41E-03	1.28E+00	5.10E-01	7.94E-01	6.10E-04	5.13E+00	9.34E-02	9.47E-01	3.38E-05	-1.26E-01	-9.71E-06	3.85E-01	6.64E-05	1.57E-01	7.49E-06	-1.03E-02	-2.79E-07
35	366768	757788	Residential	1.80E+00	3.83E-03	1.43E+00	5.70E-01	7.01E-01	5.40E-04	5.74E+00	1.04E-01	1.05E+00	3.76E-05	-1.40E-01	-1.08E-05	4.30E-01	7.41E-05	1.69E-01	8.04E-06	-2.62E-01	-7.08E-06
36	366854	757833	Residential	2.09E+00	4.44E-03	1.61E+00	6.43E-01	4.19E-01	3.22E-04	6.54E+00	1.19E-01	1.18E+00	4.20E-05	-1.46E-01	-1.13E-05	4.84E-01	8.34E-05	1.76E-01	8.37E-06	-8.52E-01	-2.30E-05
37	366941	757877	Residential	2.19E+00	4.65E-03	1.65E+00	6.61E-01	3.18E-01	2.45E-04	6.80E+00	1.24E-01	1.21E+00	4.31E-05	-1.42E-01	-1.09E-05	4.97E-01	8.57E-05	1.76E-01	8.39E-06	-1.05E+00	-2.83E-05
38	367027	757922	Residential	2.46E+00	5.24E-03	1.79E+00	7.14E-01	5.92E-01	4.56E-04	7.57E+00	1.38E-01	1.31E+00	4.67E-05	-1.33E-01	-1.02E-05	5.36E-01	9.24E-05	2.00E-01	9.53E-06	-7.19E-01	-1.94E-05
39	367113	757966	Residential	2.60E+00	5.53E-03	1.83E+00	7.30E-01	1.15E+00	8.85E-04	7.97E+00	1.45E-01	1.35E+00	4.83E-05	-1.18E-01	-9.11E-06	5.47E-01	9.44E-05	2.26E-01	1.08E-05	1.27E-01	3.44E-06
40	367192	757916	Residential	2.61E+00	5.55E-03	1.86E+00	7.42E-01	1.05E+00	8.08E-04	8.01E+00	1.46E-01	1.37E+00	4.90E-05	-1.28E-01	-9.85E-06	5.57E-01	9.60E-05	2.25E-01	1.07E-05	-7.15E-02	-1.93E-06
41	367264	757916	Residential	2.74E+00	5.83E-03	1.93E+00	7.71E-01	1.20E+00	9.25E-04	8.41E+00	1.53E-01	1.43E+00	5.10E-05	-1.26E-01	-9.71E-06	5.78E-01	9.97E-05	2.38E-01	1.13E-05	1.14E-01	3.09E-06
42	367335	757916	Residential	2.87E+00	6.10E-03	2.00E+00	8.02E-01	1.37E+00	1.06E-03	8.79E+00	1.60E-01	1.49E+00	5.31E-05	-1.28E-01	-9.81E-06	6.01E-01	1.04E-04	2.53E-01	1.20E-05	3.22E-01	8.72E-06
43	367343	757966	Residential	3.10E+00	6.59E-03	2.13E+00	8.53E-01	1.75E+00	1.35E-03	9.48E+00	1.72E-01	1.59E+00	5.67E-05	-1.26E-01	-9.70E-06	6.38E-01	1.10E-04	2.80E-01	1.34E-05	8.24E-01	2.23E-05
44	367404	757995	Residential	3.21E+00	6.83E-03	2.22E+00	8.88E-01	1.90E+00	1.46E-03	9.84E+00	1.79E-01	1.66E+00	5.91E-05	-1.34E-01	-1.03E-05	6.64E-01	1.15E-04	2.95E-01	1.40E-05	9.87E-01	2.67E-05
45	367465	758024	Residential	3.25E+00	6.92E-03	2.28E+00	9.13E-01	1.77E+00	1.36E-03	1.00E+01	1.82E-01	1.70E+00	6.07E-05	-1.48E-01	-1.14E-05	6.84E-01	1.18E-04	2.96E-01	1.41E-05	6.99E-01	1.89E-05
55	367673	758189	Residential	2.97E+00	6.31E-03	2.13E+00	8.54E-01	9.55E-01	7.34E-04	9.11E+00	1.66E-01	1.57E+00	5.60E-05	-1.54E-01	-1.18E-05	6.40E-01	1.10E-04	2.49E-01	1.19E-05	-4.40E-01	-1.19E-05
59	367816	758096	Residential	3.15E+00	6.71E-03	2.26E+00	9.04E-01	1.10E+00	8.43E-04	9.70E+00	1.76E-01	1.66E+00	5.94E-05	-1.60E-01	-1.23E-05	6.78E-01	1.17E-04	2.67E-01	1.27E-05	-3.40E-01	-9.18E-06
60	367898	758066	Residential	3.19E+00	6.79E-03	2.32E+00	9.27E-01	1.19E+00	9.14E-04	9.87E+00	1.79E-01	1.71E+00	6.10E-05	-1.72E-01	-1.32E-05	6.95E-01	1.20E-04	2.76E-01	1.32E-05	-2.45E-01	-6.63E-06
61	367980	758035	Residential	3.27E+00	6.95E-03	2.39E+00	9.57E-01	1.26E+00	9.71E-04	1.01E+01	1.84E-01	1.76E+00	6.30E-05	-1.83E-01	-1.41E-05	7.18E-01	1.24E-04	2.87E-01	1.37E-05	-1.97E-01	-5.31E-06
62	368062	758005	Residential	3.40E+00	7.23E-03	2.50E+00	1.00E+00	1.29E+00	9.92E-04	1.06E+01	1.92E-01	1.85E+00	6.60E-05	-1.97E-01	-1.52E-05	7.51E-01	1.30E-04	2.99E-01	1.42E-05	-2.50E-01	-6.75E-06
63	368144	757975	Residential	3.68E+00	7.83E-03	2.71E+00	1.08E+00	1.17E+00	9.03E-04	1.14E+01	2.08E-01	1.99E+00	7.12E-05	-2.13E-01	-1.64E-05	8.13E-01	1.40E-04	3.15E-01	1.50E-05	-5.96E-01	-1.61E-05
64	368226	757945	Residential	3.93E+00	8.36E-03	2.91E+00	1.16E+00	1.06E+00	8.19E-04	1.22E+01	2.22E-01	2.13E+00	7.62E-05	-2.32E-01	-1.79E-05	8.72E-01	1.50E-04	3.31E-01	1.57E-05	-9.29E-01	-2.51E-05
65	368301	757943	Residential	5.27E+00	1.12E-02	3.71E+00	1.48E+00	1.72E+00	1.33E-03	1.62E+01	2.94E-01	2.73E+00	9.73E-05	-2.43E-01	-1.87E-05	1.11E+00	1.91E-04	4.36E-01	2.08E-05	-5.59E-01	-1.51E-05
66	368376	757941	Residential	8.01E+00	1.70E-02	5.28E+00	2.11E+00	2.96E+00	2.28E-03	2.41E+01	4.38E-01	3.89E+00	1.39E-04	-2.44E-01	-1.87E-05	1.58E+00	2.72E-04	6.40E-01	3.05E-05	9.47E-02	2.56E-06
67	368452	757940	Residential	9.60E+00	2.04E-02	6.13E+00	2.45E+00	3.94E+00	3.03E-03	2.86E+01	5.20E-01	4.52E+00	1.61E-04	-2.20E-01	-1.69E-05	1.83E+00	3.15E-04	7.63E-01	3.63E-05	9.41E-01	2.54E-05
68	368527	757938	Residential	9.57E+00	2.04E-02	6.20E+00	2.48E+00	3.52E+00	2.71E-03	2.86E+01	5.20E-01	4.56E+00	1.63E-04	-2.50E-01	-1.92E-05	1.85E+00	3.18E-04	7.53E-01	3.59E-05	2.11E-01	5.70E-06
69	368563	757880	Residential	1.09E+01	2.31E-02	6.93E+00	2.77E+00	4.21E+00	3.24E-03	3.24E+01	5.88E-01	5.11E+00	1.82E-04	-2.50E-01	-1.93E-05	2.07E+00	3.56E-04	8.53E-01	4.06E-05	6.84E-01	1.85E-05
70	368636	757926	Residential	8.80E+00	1.87E-02	5.76E+00	2.30E+00	2.77E+00	2.13E-03	2.64E+01	4.79E-01	4.23E+00	1.51E-04	-2.54E-01	-1.95E-05	1.72E+00	2.96E-04	6.80E-01	3.24E-05	-6.11E-01	-1.65E-05
71	368709	757971	Residential	6.08E+00	1.29E-02	4.21E+00	1.68E+00	-7.96E-01	-6.12E-04	1.83E+01	3.32E-01	3.01E+00	1.08E-04	-2.55E-01	-1.96E-05	1.26E+00	2.17E-04	3.85E-01	1.84E-05	-4.85E+00	-1.31E-04
72	368782	758017	Residential	3.78E+00	8.05E-03	2.90E+00	1.16E+00	-1.98E+00	-1.53E-03	1.16E+01	2.12E-01	2.04E+00	7.30E-05	-2.60E-01	-2.00E-05	8.71E-01	1.50E-04	2.10E-01	9.98E-06	-5.63E+00	-1.52E-04
73	368855	758062	Residential	4.04E+00	8.61E-03	2.97E+00	1.19E+00	1.15E-01	8.87E-05	1.25E+01	2.27E-01	2.15E+00	7.67E-05	-2.30E-01	-1.77E-05	8.88E-01	1.53E-04	2.99E-01	1.42E-05	-2.41E+00	-6.52E-05
74	368928	758108	Residential	3.12E+00	6.65E-03	2.33E+00	9.32E-01	4.55E-01	3.50E-04	9.74E+00	1.77E-01	1.70E+00	6.06E-05	-1.91E-01	-1.47E-05	6.99E-01	1.20E-04	2.49E-01	1.19E-05	-1.36E+00	-3.68E-05
75	369001	758153	Residential	3.94E+00	8.39E-03	2.74E+00	1.10E+00	1.30E+00	1.00E-03	1.21E+01	2.20E-01	2.02E+00	7.20E-05	-1.71E-01	-1.31E-05	8.21E-01	1.41E-04	3.23E-01	1.54E-05	-3.76E-01	-1.02E-05
76	369058	758074	Residential	4.29E+00	9.13E-03	2.99E+00	1.20E+00	1.31E+00	1.01E-03	1.31E+01	2.39E-01	2.19E+00	7.84E-05	-1.87E-01	-1.44E-05	8.94E-01	1.54E-04	3.48E-01	1.66E-05	-5.70E-01	-1.54E-05
77	369102	758103	Residential	4.85E+00	1.03E-02	3.32E+00	1.33E+00	8.22E-01	6.33E-04	1.47E+01	2.67E-01	2.42E+00	8.65E-05	-1.92E-01	-1.48E-05	9.93E-01	1.71E-04	3.62E-01	1.72E-05	-1.59E+00	-4.29E-05
78	369145	758132	Residential	5.46E+00	1.16E-02	3.64E+00	1.45E+00	1.24E+00	9.51E-04	1.64E+01	2.99E-01	2.66E+00	9.49E-05	-1.79E-01	-1.37E-05	1.09E+00	1.87E-04	4.09E-01	1.95E-05	-1.20E+00	-3.25E-05
79	369200	758065	Residential	5.86E+00	1.25E-02	3.87E+00	1.55E+00	1.91E+00	1.47E-03	1.76E+01	3.21E-01	2.84E+00	1.02E-04	-1.81E-01	-1.39E-05	1.16E+00	1.99E-04	4.59E-01	2.19E-05	-3.60E-01	-9.74E-06
80	369255	757998	Residential	5.82E+00	1.24E-02	3.88E+00	1.55E+00	2.56E+00	1.97E-03	1.77E+01	3.21E-01	2.87E+00	1.02E-04	-1.92E-01	-1.47E-05	1.16E+00	2.00E-04	4.85E-01	2.31E-05	6.13E-01	1.66E-05
81	369310	757931	Residential	5.90E+00	1.26E-02	3.95E+00	1.58E+00	2.43E+00	1.87E-03	1.79E+01	3.26E-01	2.91E+00	1.04E-04	-1.98E-01	-1.53E-05	1.18E+00	2.03E-04	4.87E-01	2.32E-05	3.71E-01	1.00E-05
82	369356	757981	Residential	4.94E+00	1.05E-02	3.25E+00	1.30E+00	2.22E+00	1.70E-03	1.50E+01	2.73E-01	2.41E+00	8.60E-05	-1.48E-01	-1.14E-05	9.71E-01	1.67E-04	4.10E-01	1.95E-05	6.28E-01	1.70E-05
83	369403	758031	Residential	4.52E+00	9.62E-03	2.94E+00	1.18E+00	2.40E+00	1.84E-03	1.37E+01	2.49E-01	2.19E+00	7.82E-05	-1.24E-01	-9.57E-06	8.79E-01	1.52E-04	3.86E-01	1.84E-05	1.17E+00	3.17E-05
92	369389	758634	Residential	1.88E+00	3.99E-03	1.47E+00	5.87E-01	3.26E-01	2.51E-04	5.94E+00	1.08E-01	1.07E+00	3.82E-05	-1.38E-01	-1.06E-05	4.41E-01	7.60E-05	1.58E-01	7.53E-06	-8.27E-01	-2.23E-05
93	369469	758630	Residential	5.86E-01	1.25E-03	8.39E-01	3.35E-01	-1.36E+00	-1.04E-03	2.25E+00	4.09E-02	5.75E-01	2.05E-05	-1.78E-01	-1.37E-05	2.56E-01	4.41E-05	2.97E-02	1.41E-06	-2.95E+00	-7.96E-05
94	369549	758625	Residential	2.37E-01	5.04E-04	6.59E-01	2.64E-01	-2.16E+00	-1.66E-03	1.20E+00	2.19E-02	4.24E-01	1.51E-05	-1.86E-01	-1.43E-05	2.03E-01	3.49E-05	-1.98E-02	-9.41E-07	-4.05E+00	-1.09E-04
95	369630	758621	Residential	4.28E-01	9.11E-04	7.81E-01	3.12E-01	-1.75E+00	-1.35E-03	1.80E+00	3.28E-02	5.23E-01	1.87E-05	-1.90E-01	-1.46E-05	2.39E-01	4.12E-05	8.29E-03	3.95E-07	-3.53E+00	-9.54E-05

Table 3-7B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 6, Horizon Year 2025 - Maximum Range
Construction and Operations TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m³)	acetaldehyde Acute Hazard	acrolein (µg/m³)	acrolein Acute Hazard	benzene (µg/m³)	benzene Acute Hazard	formaldehyde (µg/m³)	formaldehyde Acute Hazard	methyl alcohol (µg/m³)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m³)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m³)	phenol (carbolic acid) Acute Hazard	styrene (µg/m³)	styrene Acute Hazard	toluene (µg/m³)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
96	369710	758617	Residential	1.76E+00	3.74E-03	1.41E+00	5.65E-01	-1.28E-01	-9.86E-05	5.57E+00	1.01E-01	1.02E+00	3.64E-05	-1.44E-01	-1.10E-05	4.25E-01	7.32E-05	1.35E-01	6.42E-06	-1.50E+00	-4.04E-05
97	369791	758613	Residential	2.63E+00	5.59E-03	1.82E+00	7.27E-01	6.11E-01	4.70E-04	8.01E+00	1.46E-01	1.33E+00	4.74E-05	-1.10E-01	-8.44E-06	5.43E-01	9.36E-05	2.04E-01	9.72E-06	-6.29E-01	-1.70E-05
98	369791	758514	Residential	2.96E+00	6.29E-03	2.00E+00	8.01E-01	8.03E-01	6.17E-04	8.96E+00	1.63E-01	1.47E+00	5.24E-05	-1.08E-01	-8.35E-06	5.98E-01	1.03E-04	2.30E-01	1.10E-05	-5.04E-01	-1.36E-05
99	369791	758416	Residential	3.33E+00	7.09E-03	2.21E+00	8.82E-01	1.07E+00	8.25E-04	1.00E+01	1.83E-01	1.62E+00	5.79E-05	-1.05E-01	-8.07E-06	6.59E-01	1.14E-04	2.61E-01	1.24E-05	-2.56E-01	-6.92E-06
100	369791	758318	Residential	3.99E+00	8.48E-03	2.56E+00	1.02E+00	1.07E+00	8.22E-04	1.19E+01	2.16E-01	1.87E+00	6.68E-05	-9.57E-02	-7.36E-06	7.62E-01	1.31E-04	2.95E-01	1.41E-05	-5.23E-01	-1.41E-05
101	369881	758318	Residential	2.18E+00	4.64E-03	1.65E+00	6.59E-01	-7.14E-02	-5.49E-05	6.81E+00	1.24E-01	1.19E+00	4.25E-05	-1.41E-01	-1.08E-05	4.95E-01	8.53E-05	1.60E-01	7.64E-06	-1.60E+00	-4.33E-05
102	369972	758318	Residential	3.43E-02	7.29E-05	5.74E-01	2.29E-01	-1.29E+00	-9.96E-04	8.06E-01	1.46E-02	3.87E-01	1.38E-05	-1.96E-01	-1.51E-05	1.78E-01	3.06E-05	5.98E-03	2.85E-07	-2.65E+00	-7.17E-05
103	370062	758318	Residential	2.45E-01	5.21E-04	7.30E-01	2.92E-01	-1.57E+00	-1.21E-03	1.43E+00	2.60E-02	4.92E-01	1.76E-05	-2.09E-01	-1.60E-05	2.24E-01	3.86E-05	1.07E-02	5.10E-07	-3.19E+00	-8.61E-05
104	370153	758318	Residential	4.25E-01	9.04E-04	8.27E-01	3.31E-01	-1.74E+00	-1.34E-03	1.91E+00	3.48E-02	5.57E-01	1.99E-05	-2.07E-01	-1.59E-05	2.53E-01	4.36E-05	1.35E-02	6.44E-07	-3.54E+00	-9.56E-05
105	370243	758318	Residential	4.41E-01	9.38E-04	8.72E-01	3.49E-01	-1.95E+00	-1.50E-03	1.99E+00	3.62E-02	5.84E-01	2.08E-05	-2.19E-01	-1.69E-05	2.66E-01	4.59E-05	9.83E-03	4.68E-07	-3.89E+00	-1.05E-04
111	370408	758347	Residential	-4.33E-01	-9.22E-04	4.58E-01	1.83E-01	-3.05E+00	-2.34E-03	-4.97E-01	-9.04E-03	2.58E-01	9.21E-06	-2.50E-01	-1.93E-05	1.45E-01	2.50E-05	-7.46E-02	-3.55E-06	-5.30E+00	-1.43E-04
112	370490	758344	Residential	-1.41E+00	-3.01E-03	-3.57E-04	-1.43E-04	-3.28E+00	-2.52E-03	-3.17E+00	-5.76E-02	-7.51E-02	-2.68E-06	-2.87E-01	-2.21E-05	1.08E-02	1.86E-06	-1.29E-01	-6.16E-06	-5.34E+00	-1.44E-04
113	370572	758341	Residential	-9.95E-01	-2.12E-03	2.79E-01	1.12E-01	-3.65E+00	-2.81E-03	-1.96E+00	-3.57E-02	1.15E-01	4.12E-06	-3.01E-01	-2.32E-05	9.37E-02	1.61E-05	-1.16E-01	-5.53E-06	-6.13E+00	-1.66E-04
114	370654	758338	Residential	-7.90E-02	-1.68E-04	8.96E-01	3.58E-01	-3.36E+00	-2.59E-03	7.96E-01	1.45E-02	5.68E-01	2.03E-05	-3.33E-01	-2.56E-05	2.77E-01	4.78E-05	-4.34E-02	-2.07E-06	-6.19E+00	-1.67E-04
115	370735	758335	Residential	8.91E-01	1.90E-03	1.26E+00	5.04E-01	-2.13E+00	-1.64E-03	3.41E+00	6.20E-02	8.61E-01	3.08E-05	-2.66E-01	-2.04E-05	3.84E-01	6.62E-05	4.10E-02	1.95E-06	-4.57E+00	-1.23E-04
116	370817	758333	Residential	1.25E+00	2.66E-03	1.37E+00	5.47E-01	-9.61E-01	-7.39E-04	4.42E+00	8.04E-02	9.68E-01	3.46E-05	-2.30E-01	-1.77E-05	4.14E-01	7.14E-05	9.78E-02	4.65E-06	-2.81E+00	-7.59E-05
130	371183	758027	Residential	4.17E+00	8.87E-03	2.93E+00	1.17E+00	1.71E+00	1.31E-03	1.29E+01	2.34E-01	2.17E+00	7.74E-05	-1.92E-01	-1.48E-05	8.79E-01	1.52E-04	3.58E-01	1.70E-05	2.32E-02	6.27E-07
131	371248	758024	Residential	4.32E+00	9.19E-03	3.05E+00	1.22E+00	1.42E+00	1.09E-03	1.33E+01	2.42E-01	2.24E+00	8.00E-05	-2.03E-01	-1.56E-05	9.12E-01	1.57E-04	3.58E-01	1.71E-05	-4.78E-01	-1.29E-05
132	371326	758075	Residential	4.05E+00	8.62E-03	2.84E+00	1.14E+00	1.35E+00	1.04E-03	1.25E+01	2.26E-01	2.09E+00	7.47E-05	-1.84E-01	-1.42E-05	8.51E-01	1.47E-04	3.35E-01	1.59E-05	-4.26E-01	-1.15E-05
133	371404	758127	Residential	3.57E+00	7.60E-03	2.53E+00	1.01E+00	1.43E+00	1.10E-03	1.10E+01	2.01E-01	1.87E+00	6.68E-05	-1.72E-01	-1.32E-05	7.60E-01	1.31E-04	3.07E-01	1.46E-05	-8.01E-02	-2.17E-06
134	371481	758178	Residential	3.30E+00	7.03E-03	2.37E+00	9.49E-01	1.39E+00	1.07E-03	1.02E+01	1.86E-01	1.75E+00	6.26E-05	-1.69E-01	-1.30E-05	7.12E-01	1.23E-04	2.90E-01	1.38E-05	-1.42E-02	-3.85E-07
135	371559	758230	Residential	3.08E+00	6.55E-03	2.23E+00	8.92E-01	1.39E+00	1.07E-03	9.58E+00	1.74E-01	1.65E+00	5.90E-05	-1.65E-01	-1.27E-05	6.70E-01	1.15E-04	2.76E-01	1.31E-05	9.60E-02	2.59E-06
136	371637	758281	Residential	2.90E+00	6.16E-03	2.08E+00	8.30E-01	1.40E+00	1.07E-03	8.98E+00	1.63E-01	1.54E+00	5.50E-05	-1.47E-01	-1.13E-05	6.24E-01	1.08E-04	2.60E-01	1.24E-05	2.24E-01	6.05E-06
137	371715	758333	Residential	2.67E+00	5.67E-03	1.93E+00	7.72E-01	1.40E+00	1.08E-03	8.31E+00	1.51E-01	1.44E+00	5.13E-05	-1.42E-01	-1.09E-05	5.80E-01	1.00E-04	2.46E-01	1.17E-05	3.53E-01	9.54E-06
138	371769	758261	Residential	2.04E+00	4.33E-03	1.58E+00	6.34E-01	1.52E+00	1.17E-03	6.55E+00	1.19E-01	1.19E+00	4.25E-05	-1.48E-01	-1.14E-05	4.78E-01	8.24E-05	2.17E-01	1.03E-05	8.19E-01	2.21E-05
139	371822	758189	Residential	1.15E+00	2.45E-03	1.40E+00	5.62E-01	4.47E-01	3.44E-04	4.40E+00	7.99E-02	1.04E+00	3.70E-05	-2.63E-01	-2.02E-05	4.27E-01	7.35E-05	1.57E-01	7.49E-06	-6.84E-01	-1.85E-05
140	371894	758160	Residential	7.91E-01	1.68E-03	1.48E+00	5.94E-01	-2.74E-01	-2.11E-04	3.71E+00	6.74E-02	1.08E+00	3.85E-05	-3.64E-01	-2.80E-05	4.52E-01	7.79E-05	1.38E-01	6.56E-06	-1.83E+00	-4.95E-05
141	371894	758081	Residential	5.67E-01	1.21E-03	1.58E+00	6.30E-01	-1.15E+00	-8.87E-04	3.28E+00	5.97E-02	1.12E+00	4.00E-05	-4.41E-01	-3.39E-05	4.81E-01	8.29E-05	1.12E-01	5.35E-06	-3.29E+00	-8.88E-05
142	371959	758074	Residential	8.85E-01	1.88E-03	1.68E+00	6.73E-01	-9.33E-01	-7.17E-04	4.10E+00	7.45E-02	1.20E+00	4.30E-05	-4.15E-01	-3.19E-05	5.13E-01	8.84E-05	1.31E-01	6.26E-06	-3.06E+00	-8.27E-05
155	372055	757363	Residential	1.12E+00	2.39E-03	1.69E+00	6.77E-01	-3.22E-01	-2.48E-04	4.92E+00	8.95E-02	1.23E+00	4.39E-05	-3.71E-01	-2.85E-05	5.16E-01	8.90E-05	1.56E-01	7.43E-06	-2.18E+00	-5.88E-05
297	370239	755427	Residential	5.26E+00	1.12E-02	3.49E+00	1.40E+00	2.94E+00	2.26E-03	1.59E+01	2.90E-01	2.60E+00	9.28E-05	-1.67E-01	-1.28E-05	1.04E+00	1.80E-04	4.62E-01	2.20E-05	1.54E+00	4.15E-05
298	370138	755427	Residential	6.25E+00	1.33E-02	3.89E+00	1.55E+00	4.46E+00	3.43E-03	1.87E+01	3.40E-01	2.92E+00	1.04E-04	-1.06E-01	-8.19E-06	1.16E+00	2.00E-04	5.61E-01	2.67E-05	3.62E+00	9.77E-05
299	370040	755427	Residential	1.40E-01	2.99E-04	7.63E-01	3.05E-01	-2.49E+00	-1.92E-03	1.12E+00	2.03E-02	4.92E-01	1.76E-05	-2.42E-01	-1.86E-05	2.35E-01	4.05E-05	-2.25E-02	-1.07E-06	-4.67E+00	-1.26E-04
300	369941	755426	Residential	1.54E+00	3.28E-03	1.46E+00	5.83E-01	-1.25E+00	-9.65E-04	5.08E+00	9.24E-02	1.02E+00	3.65E-05	-2.03E-01	-1.56E-05	4.40E-01	7.58E-05	9.51E-02	4.53E-06	-3.30E+00	-8.91E-05
301	369842	755426	Residential	2.28E+00	4.85E-03	1.87E+00	7.46E-01	-4.39E-01	-3.38E-04	7.24E+00	1.32E-01	1.34E+00	4.78E-05	-1.98E-01	-1.52E-05	5.61E-01	9.67E-05	1.68E-01	7.99E-06	-2.35E+00	-6.36E-05
304	369544	755434	Residential	1.73E-01	3.67E-04	8.63E-01	3.45E-01	-2.78E+00	-2.14E-03	1.30E+00	2.37E-02	5.57E-01	1.99E-05	-2.71E-01	-2.08E-05	2.66E-01	4.58E-05	-2.39E-02	-1.14E-06	-5.22E+00	-1.41E-04
305	369445	755434	Residential	2.05E+00	4.35E-03	1.82E+00	7.29E-01	-8.96E-01	-6.89E-04	6.65E+00	1.21E-01	1.30E+00	4.63E-05	-2.30E-01	-1.77E-05	5.49E-01	9.47E-05	1.45E-01	6.91E-06	-3.09E+00	-8.34E-05
306	369346	755434	Residential	3.12E+00	6.65E-03	2.39E+00	9.58E-01	-1.77E-01	-1.36E-04	9.73E+00	1.77E-01	1.73E+00	6.17E-05	-2.14E-01	-1.65E-05	7.19E-01	1.24E-04	2.30E-01	1.10E-05	-2.44E+00	-6.60E-05
310	368953	755441	Residential	2.10E+00	4.47E-03	2.00E+00	7.98E-01	-2.06E-01	-1.59E-04	7.08E+00	1.29E-01	1.44E+00	5.16E-05	-2.80E-01	-2.16E-05	6.03E-01	1.04E-04	1.90E-01	9.04E-06	-2.21E+00	-5.97E-05
311	368854	755441	Residential	1.95E+00	4.15E-03	1.82E+00	7.28E-01	-5.06E-01	-3.90E-04	6.52E+00	1.18E-01	1.31E+00	4.67E-05	-2.48E-01	-1.91E-05	5.49E-01	9.47E-05	1.61E-01	7.64E-06	-2.49E+00	-6.74E-05
312	368755	755441	Residential	2.07E+00	4.39E-03	1.79E+00	7.17E-01	-4.60E-01	-3.54E-04	6.73E+00	1.22E-01	1.29E+00	4.60E-05	-2.15E-01	-1.66E-05	5.40E-01	9.31E-05	1.60E-01	7.60E-06	-2.36E+00	-6.37E-05
313	368657	755441	Residential	2.54E+00	5.40E-03	2.02E+00	8.08E-01	-1.69E-02	-1.30E-05	8.07E+00	1.47E-01	1.46E+00	5.22E-05	-2.00E-01	-1.54E-05	6.07E-01	1.05E-04	2.00E-01	9.51E-06	-1.84E+00	-4.97E-05
314	368558	755440	Residential	3.05E+00	6.50E-03	2.28E+00	9.11E-01	1.89E-01	1.46E-04	9.51E+00	1.73E-01	1.65E+00	5.90E-05	-1.86E-01	-1.43E-05	6.83E-01	1.18E-04	2.33E-01	1.11E-05	-1.72E+00	-4.65E-05
315	368459	755440	Residential	3.39E+00	7.21E-03	2.46E+00	9.82E-01	9.91E-01	7.63E-04	1.05E+01	1.92E-01	1.80E+00	6.43E-05	-1.81E-01	-1.39E-05	7.35E-01	1.27E-04	2.83E-01	1.35E-05	-6.26E-01	-1.69E-05
316	368360	755440	Residential	3.92E+00	8.34E-03	2.72E+00	1.09E+00	1.40E+00	1.08E-03	1.20E+01	2.19E-01	2.00E+00	7.15E-05	-1.67E-01	-1.28E-05	8.13E-01	1.40E-04	3.25E-01	1.55E-05	-1.97E-01	-5.34E-06
317	368262	755439	Residential	4.02E+00	8.54E-03	2.77E+00	1.11E+00	1.45E+00	1.12E-03	1.23E+01	2.24E-01	2.04E+00	7.28E-05	-1.65E-01	-1.27E-05	8.28E-01	1.43E-04	3.32E-01	1.58E-05	-1.51E-01	-4.08E-06
318	368186	755427	Residential	3.82E+00	8.14E-03	2.67E+00	1.07E+00	1.34E+00	1.03E-03	1.18E+01	2.14E-01	1.97E+00	7.02E-05	-1.69E-01	-1.30E-05	7.99E-01	1.38E-04	3.18E-01	1.51E-05	-2.47E-01	-6.68E-06
319	368111	755414	Residential	3.63E+00	7.72E-03	2.56E+00	1.02E+00	1.25E+00	9.64E-04	1.12E+01	2.04E-01	1.88E+00	6.73E-05	-1.70E-01	-1.31E-05	7.66E-01	1.32E-04	3.03E-01	1.44E-05	-3.03E-01	-8.18E-06
46	367504	757948	School	3.36E+00	7.15E-03	2.32E+00	9.28E-01	2.01E+00	1.54E-03	1.03E+01	1.87E-01	1.73E+00	6.18E-05	-1.39E-01	-1.07E-05	6.95E-01	1.20E-04	3.09E-01	1.47E-05	1.06E+00	2.86E-05
47	367544	757873	School	3.15E+00	6.69E-03	2.23E+00	8.92E-01	1.61E+00	1.24E-03	9.71E+00	1.77E-01	1.66E+00	5.91E-05	-1.51E-01	-1.16E-05	6.68E-01	1.15E-04	2.85E-01	1.36E-05	5.05E-01	1.36E-05
48	367587	757909	School	3.45E+00	7.34E-03	2.39E+00	9.58E-01	2.05E+00	1.57E-03	1.06E+01	1.93E-01	1.79E+00	6.38E-05	-1.47E-01	-1.13E-05	7.17E-01	1.24E-04	3.18E-01	1.51E-05	1.06E+00	2.86E-05
49	367623	757866	School	3.30E+00	7.03E-03	2.34E+00	9.37E-01	1.80E+00	1.38E-03	1.02E+01	1.86E-01	1.74E+00	6.22E-05	-1.58E-01	-1.22E-05	7.02E-01	1.21E-04	3.03E-01	1.44E-05	6.97E-01	1.88E-05
50	367694	757866	School	3.54E+00	7.52E-03	2.49E+00	9.96E-01	2.02E+00	1.56E-03	1.09E+01	1.99E-01	1.86E+00	6.63E-05	-1.64E-01	-1.26E-05	7.46E-01	1.29E-04	3.27E-01	1.56E-05	9.31E-01	2.52E-05
51	367716	757927	School	3.92E+00	8.34E-03	2.72E+00	1.09E+00	1.91E+00	1.47E-03	1.20E+01	2.18E-01	2.01E+00	7.19E-05	-1.66E-01	-1.28E-05	8.13E-01	1.40E-04	3.45E-01	1.64E-05	5.62E-01	1.52E-05
52	367737	757988	School	3.99E+00	8.50E-03	2.75E+00	1.10E+00	1.46E+00	1.12E-03	1.21E+01	2.21E-01	2.03E+00	7.24E-05	-1.63E-01	-1.25E-05	8.23E-01	1.42E-04	3.30E-01	1.57E-05	-1.80E-01	-4.86E-06
53	367727	758067	School	3.51E+00	7.47E-03	2.46E+00	9.85E-01	8.98E-01	6.91E-04	1.07E+01	1.94E-01	1.80E+00	6.44E-05	-1.59E-01	-1.22E-05	7.37E-01	1.27E-04	2.79E-01	1.33E-05	-8.04E-01	-2.17E-05
54	367716	758146	School	3.08E+00	6.55E-03	2.19E+00	8.77E-01	9.74E-01	7.49E-04	9.43E+00	1.71E-01	1.61E+00	5.75E-05	-1.51E-01	-1.16E-05	6.57E-01	1.13E-04	2.55E-01	1.22E-05	-4.64E-01	-1.25E-05
56	367723	758254	School	2.73E+00	5.81E-03	2.07E+00	8.28E-01	1.16E+00	8.94E-04	8.57E+00	1.56E-01	1.53E+00	5.47E-05	-1.79E-01	-1.38E-05	6.22E-01	1.07E-04	2.51E-01	1.20E-05	-6.64E-02	-1.79E-06
57	367784	758221	School	2.81E+00	5.99E-03	2.14E+00	8.54E-01	1.15E+00	8.84E-04	8.83E+00	1.61E-01	1.58E+00	5.63E-05	-1.85E-01	-1.42E-05	6.41E-01	1.11E-04	2.57E-01	1.22E-05	-1.41E-01	-3.82E-06
58	367845	758189	School	2.93E+00	6.24E-03	2.22E+00	8.87E-01	1.11E+00	8.55E-04	9.18E+00	1.67E-01	1.64E+00	5.84E-05	-1.90E-01	-1.46E-05	6.66E-01	1.15E-04	2.64E-01	1.26E-05	-2.68E-01	-7.25E-06
106	370247	758254	School	5.05E-01	1.07E-03	9.13E-01	3.65E-01	-1.97E+00	-1.51E-03	2.19E+00	3.98E-02	6.13E-01	2.19E-05	-2.21E-01	-1.70E-05	2.79E-01	4.80E-05	1.32E-02	6.31E-07	-3.95E+00	-1.07E-04
107	370250	758189	School	3.75E-01	7.98E-04	8.74E-01	3.50E-01	-2.20E+00	-1.69E-03	1.85E+00	3.37E-02	5.80E-01	2.07E-05	-2.34E-01	-1.80E-05	2.68E-01	4.61E-05	3.28E-04	1.56E-08	-4.29E+00	-1.16E-04
108	370308	758196	School	4.23E-01	9.00E-04	8.68E-01	3.47E-01	-1.84E+00	-1.42E-03	1.98E+00	3.60E-02	5.84E-01	2.09E-05	-2.21E-01	-1.70E-05	2.65E-01	4.57E-05	1.35E-02	6.44E-07	-3.74E+00	-1.01E-04
109	370361	758236	School	-1.41E-02	-2.99E-05	6.44E-01	2.57E-01	-2.65E+00	-2.04E-03	6.77E-01	1.23E-02	4.02E-01	1.43E-05	-2.31E-01	-1.78E-05	2.00E-01	3.44E-05	-4.06E-02	-1.93E-06	-4.83E+00	-1.30E-04
110	370415	758275	School	-4.91E-01	-1.04E-03	4.67E-01	1.87E-01	-3.27E+00	-2.52E-03	-6.17E-01	-1.12E-02	2.59E-01	9.25E-06	-2.65E-01	-2.04E-05	1.48E-01	2.55E-05	-8.26E-02	-3.93E-06	-5.67E+00	-1.53E-04

Table 3-7B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 6, Horizon Year 2025 - Maximum Range
Construction and Operations TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde ($\mu g/m^3$)	acetaldehyde Acute Hazard	acrolein ($\mu g/m^3$)	acrolein Acute Hazard	benzene ($\mu g/m^3$)	benzene Acute Hazard	formaldehyde ($\mu g/m^3$)	formaldehyde Acute Hazard	methyl alcohol ($\mu g/m^3$)	methyl alcohol Acute Hazard	methyl ethyl ketone ($\mu g/m^3$)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) ($\mu g/m^3$)	phenol (carbolic acid) Acute Hazard	styrene ($\mu g/m^3$)	styrene Acute Hazard	toluene ($\mu g/m^3$)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
302	369741	755435	School	-2.22E-01	-4.73E-04	6.03E-01	2.41E-01	-3.51E+00	-2.70E-03	4.63E-02	8.42E-04	3.50E-01	1.25E-05	-2.59E-01	-1.99E-05	1.88E-01	3.25E-05	-7.87E-02	-3.75E-06	-6.15E+00	-1.66E-04
303	369643	755434	School	9.16E-01	1.95E-03	1.17E+00	4.69E-01	-5.00E-01	-3.84E-04	3.47E+00	6.31E-02	8.43E-01	3.01E-05	-2.30E-01	-1.77E-05	3.58E-01	6.18E-05	9.65E-02	4.60E-06	-2.00E+00	-5.40E-05

Note: Shaded cells indicate locations where concentrations were highest within each land use category.

Table 3-7B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 6, Horizon Year 2025 - Maximum Range
Construction and Operations TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m³)	xylene, total Acute Hazard	arsenic (µg/m³)	arsenic Acute Hazard	chlorine (µg/m³)	chlorine Acute Hazard	copper (µg/m³)	copper Acute Hazard	mercury (µg/m³)	mercury Acute Hazard	nickel (µg/m³)	nickel Acute Hazard	vanadium (µg/m³)	vanadium Acute Hazard	sulfates (µg/m³)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
117	370814	758243	Offsite Worker	-2.41E+00	-1.09E-04	-1.79E-03	-8.94E-03	-1.28E-01	-6.07E-04	-8.86E-03	-8.86E-05	-1.07E-02	-1.79E-02	-6.82E-03	-1.14E-03	-1.04E-02	-3.45E-04	-6.26E+00	-5.22E-02
118	370810	758153	Offsite Worker	-2.32E+00	-1.06E-04	-2.05E-03	-1.03E-02	-1.47E-01	-7.00E-04	-1.02E-02	-1.02E-04	-1.23E-02	-2.05E-02	-7.84E-03	-1.31E-03	-1.19E-02	-3.97E-04	-7.19E+00	-5.99E-02
119	370807	758063	Offsite Worker	-1.80E+00	-8.18E-05	-2.34E-03	-1.17E-02	-1.69E-01	-8.03E-04	-1.16E-02	-1.16E-04	-1.40E-02	-2.34E-02	-8.94E-03	-1.49E-03	-1.36E-02	-4.52E-04	-8.20E+00	-6.84E-02
120	370803	757974	Offsite Worker	-2.34E+00	-1.06E-04	-2.73E-03	-1.36E-02	-1.95E-01	-9.30E-04	-1.35E-02	-1.35E-04	-1.64E-02	-2.73E-02	-1.04E-02	-1.74E-03	-1.58E-02	-5.27E-04	-9.56E+00	-7.96E-02
121	370835	757927	Offsite Worker	-2.96E+00	-1.35E-04	-2.98E-03	-1.49E-02	-2.11E-01	-1.00E-03	-1.48E-02	-1.48E-04	-1.79E-02	-2.98E-02	-1.14E-02	-1.90E-03	-1.73E-02	-5.77E-04	-1.04E+01	-8.70E-02
122	370868	757880	Offsite Worker	-1.85E+00	-8.40E-05	-2.69E-03	-1.35E-02	-1.88E-01	-8.97E-04	-1.32E-02	-1.32E-04	-1.61E-02	-2.69E-02	-1.02E-02	-1.71E-03	-1.56E-02	-5.20E-04	-9.40E+00	-7.83E-02
123	370921	757884	Offsite Worker	-2.15E+00	-9.78E-05	-2.96E-03	-1.48E-02	-2.07E-01	-9.84E-04	-1.45E-02	-1.45E-04	-1.78E-02	-2.96E-02	-1.13E-02	-1.88E-03	-1.72E-02	-5.72E-04	-1.03E+01	-8.61E-02
124	370975	757887	Offsite Worker	-1.46E+00	-6.65E-05	-2.69E-03	-1.34E-02	-1.86E-01	-8.88E-04	-1.31E-02	-1.31E-04	-1.61E-02	-2.69E-02	-1.02E-02	-1.70E-03	-1.56E-02	-5.20E-04	-9.38E+00	-7.82E-02
125	370975	757794	Offsite Worker	8.70E-02	3.95E-06	-1.93E-03	-9.67E-03	-1.32E-01	-6.29E-04	-9.01E-03	-9.01E-05	-1.16E-02	-1.93E-02	-7.34E-03	-1.22E-03	-1.12E-02	-3.74E-04	-6.74E+00	-5.61E-02
126	371026	757794	Offsite Worker	-8.34E-01	-3.79E-05	-1.89E-03	-9.43E-03	-1.32E-01	-6.29E-04	-8.72E-03	-8.72E-05	-1.13E-02	-1.89E-02	-7.18E-03	-1.20E-03	-1.09E-02	-3.64E-04	-6.59E+00	-5.49E-02
127	371076	757877	Offsite Worker	-1.66E-01	-7.53E-06	-1.92E-03	-9.59E-03	-1.38E-01	-6.55E-04	-9.06E-03	-9.06E-05	-1.15E-02	-1.92E-02	-7.33E-03	-1.22E-03	-1.11E-02	-3.71E-04	-6.72E+00	-5.60E-02
128	371126	757959	Offsite Worker	3.41E-01	1.55E-05	-1.90E-03	-9.51E-03	-1.36E-01	-6.46E-04	-9.07E-03	-9.07E-05	-1.14E-02	-1.90E-02	-7.26E-03	-1.21E-03	-1.10E-02	-3.68E-04	-6.66E+00	-5.55E-02
129	371119	758031	Offsite Worker	-9.84E-02	-4.47E-06	-1.79E-03	-8.95E-03	-1.27E-01	-6.03E-04	-8.59E-03	-8.59E-05	-1.07E-02	-1.79E-02	-6.82E-03	-1.14E-03	-1.04E-02	-3.46E-04	-6.26E+00	-5.22E-02
143	371953	757977	Offsite Worker	-1.70E+00	-7.71E-05	-1.31E-03	-6.57E-03	-9.66E-02	-4.60E-04	-6.30E-03	-6.30E-05	-7.88E-03	-1.31E-02	-5.04E-03	-8.39E-04	-7.62E-03	-2.54E-04	-4.62E+00	-3.85E-02
144	371948	757880	Offsite Worker	-2.07E+00	-9.39E-05	-1.03E-03	-5.15E-03	-7.63E-02	-3.63E-04	-4.88E-03	-4.88E-05	-6.18E-03	-1.03E-02	-3.96E-03	-6.59E-04	-5.98E-03	-1.99E-04	-3.63E+00	-3.02E-02
145	371943	757783	Offsite Worker	-5.13E+00	-2.33E-04	-1.54E-03	-7.69E-03	-1.18E-01	-5.60E-04	-7.53E-03	-7.53E-05	-9.22E-03	-1.54E-02	-5.93E-03	-9.88E-04	-8.92E-03	-2.97E-04	-5.43E+00	-4.53E-02
146	372016	757794	Offsite Worker	-5.00E+00	-2.27E-04	-1.57E-03	-7.84E-03	-1.17E-01	-5.59E-04	-7.70E-03	-7.70E-05	-9.41E-03	-1.57E-02	-6.03E-03	-1.00E-03	-9.10E-03	-3.03E-04	-5.53E+00	-4.61E-02
147	372102	757791	Offsite Worker	-4.78E+00	-2.17E-04	-1.61E-03	-8.03E-03	-1.18E-01	-5.63E-04	-7.91E-03	-7.91E-05	-9.63E-03	-1.61E-02	-6.15E-03	-1.03E-03	-9.31E-03	-3.10E-04	-5.65E+00	-4.70E-02
148	372178	757760	Offsite Worker	-3.97E+00	-1.81E-04	-1.46E-03	-7.29E-03	-1.09E-01	-5.18E-04	-7.21E-03	-7.21E-05	-8.75E-03	-1.46E-02	-5.60E-03	-9.33E-04	-8.46E-03	-2.82E-04	-5.14E+00	-4.28E-02
149	372177	757670	Offsite Worker	-2.52E+00	-1.15E-04	-1.50E-03	-7.49E-03	-1.07E-01	-5.10E-04	-7.37E-03	-7.37E-05	-8.98E-03	-1.50E-02	-5.72E-03	-9.53E-04	-8.69E-03	-2.90E-04	-5.25E+00	-4.37E-02
150	372176	757579	Offsite Worker	-1.87E+00	-8.50E-05	-1.10E-03	-5.48E-03	-8.62E-02	-4.11E-04	-5.36E-03	-5.36E-05	-6.57E-03	-1.10E-02	-4.24E-03	-7.07E-04	-6.35E-03	-2.12E-04	-3.89E+00	-3.24E-02
151	372174	757489	Offsite Worker	-2.14E+00	-9.73E-05	-7.67E-04	-3.84E-03	-6.04E-02	-2.87E-04	-3.65E-03	-3.65E-05	-4.60E-03	-7.67E-03	-2.97E-03	-4.95E-04	-4.45E-03	-1.48E-04	-2.72E+00	-2.27E-02
152	372173	757398	Offsite Worker	-1.26E+00	-5.71E-05	-1.02E-03	-5.12E-03	-8.46E-02	-4.03E-04	-4.95E-03	-4.95E-05	-6.14E-03	-1.02E-02	-3.99E-03	-6.65E-04	-5.94E-03	-1.98E-04	-3.66E+00	-3.05E-02
153	372171	757308	Offsite Worker	3.85E-01	1.75E-05	-9.81E-04	-4.90E-03	-6.80E-02	-3.24E-04	-4.54E-03	-4.54E-05	-5.88E-03	-9.81E-03	-3.73E-03	-6.22E-04	-5.69E-03	-1.90E-04	-3.42E+00	-2.85E-02
154	372055	757309	Offsite Worker	-1.03E+00	-4.66E-05	-1.26E-03	-6.29E-03	-1.06E-01	-5.04E-04	-6.17E-03	-6.17E-05	-7.55E-03	-1.26E-02	-4.92E-03	-8.20E-04	-7.30E-03	-2.43E-04	-4.51E+00	-3.76E-02
156	372055	757416	Offsite Worker	-2.17E+00	-9.85E-05	-1.10E-03	-5.52E-03	-9.72E-02	-4.63E-04	-5.49E-03	-5.49E-05	-6.62E-03	-1.10E-02	-4.35E-03	-7.24E-04	-6.40E-03	-2.13E-04	-3.98E+00	-3.32E-02
157	371952	757442	Offsite Worker	-1.90E+00	-8.62E-05	-1.27E-03	-6.36E-03	-9.01E-02	-4.29E-04	-6.20E-03	-6.20E-05	-7.63E-03	-1.27E-02	-4.85E-03	-8.09E-04	-7.38E-03	-2.46E-04	-4.45E+00	-3.71E-02
158	371950	757345	Offsite Worker	-3.30E+00	-1.50E-04	-1.56E-03	-7.80E-03	-1.48E-01	-7.06E-04	-7.95E-03	-7.95E-05	-9.35E-03	-1.56E-02	-6.22E-03	-1.04E-03	-9.04E-03	-3.01E-04	-5.70E+00	-4.75E-02
159	371864	757344	Offsite Worker	-3.76E+00	-1.71E-04	-1.45E-03	-7.26E-03	-1.36E-01	-6.49E-04	-7.32E-03	-7.32E-05	-8.72E-03	-1.45E-02	-5.78E-03	-9.63E-04	-8.43E-03	-2.81E-04	-5.30E+00	-4.41E-02
160	371790	757347	Offsite Worker	-3.05E+00	-1.38E-04	-1.41E-03	-7.03E-03	-1.13E-01	-5.40E-04	-6.91E-03	-6.91E-05	-8.43E-03	-1.41E-02	-5.46E-03	-9.10E-04	-8.15E-03	-2.72E-04	-5.01E+00	-4.17E-02
161	371708	757356	Offsite Worker	-2.12E+00	-9.66E-05	-1.46E-03	-7.31E-03	-1.01E-01	-4.82E-04	-7.08E-03	-7.08E-05	-8.77E-03	-1.46E-02	-5.56E-03	-9.27E-04	-8.48E-03	-2.83E-04	-5.10E+00	-4.25E-02
162	371615	757356	Offsite Worker	-1.55E+00	-7.04E-05	-1.55E-03	-7.77E-03	-9.56E-02	-4.55E-04	-7.43E-03	-7.43E-05	-9.32E-03	-1.55E-02	-5.82E-03	-9.71E-04	-9.01E-03	-3.00E-04	-5.34E+00	-4.45E-02
163	371523	757356	Offsite Worker	-1.07E+00	-4.85E-05	-1.84E-03	-9.18E-03	-1.18E-01	-5.62E-04	-8.87E-03	-8.87E-05	-1.10E-02	-1.84E-02	-6.92E-03	-1.15E-03	-1.07E-02	-3.55E-04	-6.35E+00	-5.29E-02
164	371430	757356	Offsite Worker	-7.10E-01	-3.23E-05	-2.16E-03	-1.08E-02	-1.51E-01	-7.20E-04	-1.06E-02	-1.06E-04	-1.29E-02	-2.16E-02	-8.21E-03	-1.37E-03	-1.25E-02	-4.17E-04	-7.53E+00	-6.28E-02
165	371338	757356	Offsite Worker	-1.02E+00	-4.63E-05	-2.66E-03	-1.33E-02	-1.98E-01	-9.44E-04	-1.32E-02	-1.32E-04	-1.60E-02	-2.66E-02	-1.02E-02	-1.70E-03	-1.54E-02	-5.14E-04	-9.37E+00	-7.81E-02
166	371245	757356	Offsite Worker	-2.13E+00	-9.67E-05	-3.46E-03	-1.73E-02	-2.66E-01	-1.26E-03	-1.73E-02	-1.73E-04	-2.08E-02	-3.46E-02	-1.34E-02	-2.23E-03	-2.01E-02	-6.69E-04	-1.22E+01	-1.02E-01
167	371153	757356	Offsite Worker	-3.75E+00	-1.70E-04	-4.27E-03	-2.14E-02	-3.31E-01	-1.58E-03	-2.15E-02	-2.15E-04	-2.56E-02	-4.27E-02	-1.65E-02	-2.75E-03	-2.48E-02	-8.26E-04	-1.51E+01	-1.26E-01
168	371061	757356	Offsite Worker	-5.15E+00	-2.34E-04	-4.90E-03	-2.45E-02	-3.81E-01	-1.82E-03	-2.47E-02	-2.47E-04	-2.94E-02	-4.90E-02	-1.89E-02	-3.16E-03	-2.84E-02	-9.48E-04	-1.74E+01	-1.45E-01
169	371005	757357	Offsite Worker	-6.13E+00	-2.78E-04	-5.12E-03	-2.56E-02	-3.96E-01	-1.89E-03	-2.57E-02	-2.57E-04	-3.07E-02	-5.12E-02	-1.98E-02	-3.29E-03	-2.97E-02	-9.89E-04	-1.81E+01	-1.51E-01
170	370998	757293	Offsite Worker	-4.52E+00	-2.06E-04	-4.47E-03	-2.23E-02	-3.51E-01	-1.67E-03	-2.24E-02	-2.24E-04	-2.68E-02	-4.47E-02	-1.73E-02	-2.88E-03	-2.59E-02	-8.63E-04	-1.59E+01	-1.32E-01
171	370998	757194	Offsite Worker	4.23E-02	1.92E-06	-2.95E-03	-1.47E-02	-2.31E-01	-1.10E-03	-1.45E-02	-1.45E-04	-1.77E-02	-2.95E-02	-1.14E-02	-1.90E-03	-1.71E-02	-5.70E-04	-1.05E+01	-8.72E-02
172	370998	757096	Offsite Worker	-1.98E-01	-9.00E-06	-2.70E-03	-1.35E-02	-1.92E-01	-9.12E-04	-1.30E-02	-1.30E-04	-1.62E-02	-2.70E-02	-1.03E-02	-1.72E-03	-1.57E-02	-5.22E-04	-9.45E+00	-7.87E-02
173	370998	756998	Offsite Worker	-6.81E+00	-3.09E-04	-2.86E-03	-1.43E-02	-1.94E-01	-9.24E-04	-1.41E-02	-1.41E-04	-1.72E-02	-2.86E-02	-1.09E-02	-1.81E-03	-1.66E-02	-5.53E-04	-9.96E+00	-8.30E-02
174	371057	756997	Offsite Worker	-4.90E+00	-2.23E-04	-2.98E-03	-1.49E-02	-1.99E-01	-9.45E-04	-1.47E-02	-1.47E-04	-1.79E-02	-2.98E-02	-1.13E-02	-1.88E-03	-1.73E-02	-5.76E-04	-1.03E+01	-8.61E-02
175	371153	756997	Offsite Worker	-4.76E+00	-2.17E-04	-2.29E-03	-1.14E-02	-1.51E-01	-7.21E-04	-1.12E-02	-1.12E-04	-1.37E-02	-2.29E-02	-8.64E-03	-1.44E-03	-1.33E-02	-4.42E-04	-7.93E+00	-6.61E-02
176	371249	756997	Offsite Worker	-5.21E+00	-2.37E-04	-2.28E-03	-1.14E-02	-1.45E-01	-6.93E-04	-1.11E-02	-1.11E-04	-1.37E-02	-2.28E-02	-8.58E-03	-1.43E-03	-1.32E-02	-4.41E-04	-7.87E+00	-6.56E-02
177	371345	756997	Offsite Worker	-4.97E+00	-2.26E-04	-1.87E-03	-9.35E-03	-1.06E-01	-5.07E-04	-8.86E-03	-8.86E-05	-1.12E-02	-1.87E-02	-6.94E-03	-1.16E-03	-1.08E-02	-3.61E-04	-6.37E+00	-5.31E-02
178	371440	756997	Offsite Worker	-2.63E+00	-1.19E-04	-1.79E-03	-8.95E-03	-1.01E-01	-4.83E-04	-8.40E-03	-8.40E-05	-1.07E-02	-1.79E-02	-6.64E-03	-1.11E-03	-1.04E-02	-3.46E-04	-6.10E+00	-5.08E-02
179	371536	756997	Offsite Worker	-1.11E+00	-5.05E-05	-1.83E-03	-9.17E-03	-1.06E-01	-5.06E-04	-8.61E-03	-8.61E-05	-1.10E-02	-1.83E-02	-6.83E-03	-1.14E-03	-1.06E-02	-3.55E-04	-6.26E+00	-5.22E-02
180	371632	756997	Offsite Worker	2.95E-01	1.34E-05	-1.76E-03	-8.78E-03	-1.05E-01	-5.01E-04	-8.27E-03	-8.27E-05	-1.05E-02	-1.76E-02	-6.56E-03	-1.09E-03	-1.02E-02	-3.40E-04	-6.02E+00	-5.02E-02
181	371728	756997	Offsite Worker	9.03E-01	4.10E-05	-1.46E-03	-7.28E-03	-9.27E-02	-4.42E-04	-6.87E-03	-6.87E-05	-8.74E-03	-1.46E-02	-5.48E-03	-9.13E-04	-8.44E-03	-2.81E-04	-5.03E+00	-4.19E-02
182	371824	756997	Offsite Worker	2.87E-01	1.30E-05	-1.35E-03	-6.77E-03	-8.25E-02	-3.93E-04	-6.35E-03	-6.35E-05	-8.13E-03	-1.35E-02	-5.07E-03	-8.45E-04	-7.85E-03	-2.62E-04	-4.65E+00	-3.88E-02
183	371920	756997	Offsite Worker	7.67E-01	3.48E-05	-2.08E-04	-1.04E-03	1.01E-02	4.83E-05	-2.05E-04	-2.05E-06	-1.25E-03	-2.08E-03	-6.14E-04	-1.02E-04	-1.20E-03	-4.01E-05	-5.66E-01	-4.72E-03
184	372016	756997	Offsite Worker	1.85E+00	8.40E-05	3.66E-04	1.83E-03	4.84E-02	2.31E-04	2.75E-03	2.75E-05	2.20E-03	3.66E-03	1.56E-03	2.59E-04	2.12E-03	7.07E-05	1.42E+00	1.19E-02
185	372111	756997	Offsite Worker	4.96E+00	2.26E-04	8.10E-04	4.05E-03	6.78E-02	3.23E-04	4.96E-03	4.96E-05	4.86E-03	8.10E-03	3.16E-03	5.27E-04	4.70E-03	1.57E-04	2.90E+00	2.42E-02
186	372207	756997	Offsite Worker	1.88E+00	8.53E-05	2.25E-04	1.13E-03	2.09E-02	9.96E-05	1.77E-03	1.77E-05	1.35E-03	2.25E-03	8.95E-04	1.49E-04	1.31E-03	4.36E-05	8.20E-01	6.84E-03
187	372303	756997	Offsite Worker	3.19E+00	1.45E-04	4.37E-04	2.18E-03	4.25E-02	2.02E-04	2.99E-03	2.99E-05	2.62E-03	4.37E-03	1.75E-03	2.91E-04	2.53E-03	8.44E-05	1.60E+00	1.33E-02
188	372399	756997	Offsite Worker	5.06E+00	2.30E-04	8.85E-04	4.42E-03	7.60E-02	3.62E-04	5.36E-03	5.36E-05	5.31E-03	8.85E-03	3.47E-03	5.78E-04	5.13E-03	1.71E-04	3.18E+00	2.65E-02
189	372495	756997	Offsite Worker	1.04E+01	4.72E-04	2.19E-03	1.10E-02	1.73E-01	8.22E-04	1.23E-02	1.23E-04	1.32E-02	2.19E-02	8.49E-03	1.41E-03	1.27E-02	4.24E-04	7.78E+00	6.49E-02
190	372591	756997	Offsite Worker	1.08E+01	4.92E-04	2.32E-03	1.16E-02	1.84E-01	8.75E-04	1.29E-02	1.29E-04	1.39E-02	2.32E-02	9.00E-03	1.50E-03	1.35E-02	4.49E-04	8.25E+00	6.88E-02
191	372610	757063	Offsite Worker	1.00E+01	4.55E-04	2.28E-03	1.14E-02	1.78E-01	8.45E-04	1.26E-02	1.26E-04	1.37E-02	2.28E-02	8.80E-03	1.47E-03	1.32E-02	4.40E-04	8.07E+00	6.72E-02
192	372612	757132	Offsite Worker	3.87E+00	1.76E-04	7.32E-04	3.66E-03	6.69E-02	3.18E-04	4.43E-03	4.43E-05	4.39E-03	7.32E-03	2.90E-03	4.83E-04	4.24E-03	1.41E-04	2.66E+00	2.21E-02
193	372614	757201	Offsite Worker	-1.00E+00	-4.55E-05	-7.01E-04	-3.50E-03	-4.10E-02	-1.95E-04	-3.21E-03	-3.21E-05	-4.20E-03	-7.01E-03	-2.61E-03	-4.35E-04	-4.06E-03	-1.35E-04	-2.40E+00	-2.00E-02
194	372616	757270	Offsite Worker	4.91E-01	2.23E-05	-3.61E-04	-1.80E-03	-1.55E-02	-7.40E-05	-1.35E-03	-1.35E-05	-2.16E-03	-3.61E-03	-1.30E-03	-2.17E-04	-2.09E-03	-6.97E-05	-1.20E+00	-9.98E-03
195	372627	757351	Offsite Worker	1.33E+00	6.06E-05	-1.25E-04	-6.26E-04	-3.97E-03	-1.89E-05	-1.46E-04	-1.46E-06	-7.52E-04	-1.25E-03	-4.43E-04	-7.38E-05	-7.27E-04	-2.42E-05	-4.07E-01	-3.39E-03

Table 3-7B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 6, Horizon Year 2025 - Maximum Range
Construction and Operations TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m³)	xylene, total Acute Hazard	arsenic (µg/m³)	arsenic Acute Hazard	chlorine (µg/m³)	chlorine Acute Hazard	copper (µg/m³)	copper Acute Hazard	mercury (µg/m³)	mercury Acute Hazard	nickel (µg/m³)	nickel Acute Hazard	vanadium (µg/m³)	vanadium Acute Hazard	sulfates (µg/m³)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
196	372651	757422	Offsite Worker	1.28E+00	5.82E-05	-1.89E-04	-9.45E-04	-7.36E-03	-3.51E-05	-5.02E-04	-5.02E-06	-1.13E-03	-1.89E-03	-6.78E-04	-1.13E-04	-1.10E-03	-3.65E-05	-6.23E-01	-5.19E-03
197	372676	757494	Offsite Worker	1.14E+00	5.20E-05	-5.91E-04	-2.96E-03	-3.90E-02	-1.86E-04	-2.62E-03	-2.62E-05	-3.55E-03	-5.91E-03	-2.24E-03	-3.73E-04	-3.43E-03	-1.14E-04	-2.05E+00	-1.71E-02
198	372704	757569	Offsite Worker	2.12E-01	9.65E-06	-9.00E-04	-4.50E-03	-6.35E-02	-3.02E-04	-4.28E-03	-4.28E-05	-5.40E-03	-9.00E-03	-3.43E-03	-5.72E-04	-5.22E-03	-1.74E-04	-3.15E+00	-2.62E-02
199	372733	757645	Offsite Worker	-6.43E-01	-2.92E-05	-9.72E-04	-4.86E-03	-6.95E-02	-3.31E-04	-4.71E-03	-4.71E-05	-5.83E-03	-9.72E-03	-3.71E-03	-6.19E-04	-5.64E-03	-1.88E-04	-3.41E+00	-2.84E-02
200	372746	757702	Offsite Worker	-1.17E+00	-5.34E-05	-8.76E-04	-4.38E-03	-6.32E-02	-3.01E-04	-4.26E-03	-4.26E-05	-5.26E-03	-8.76E-03	-3.35E-03	-5.58E-04	-5.08E-03	-1.69E-04	-3.07E+00	-2.56E-02
201	372746	757768	Offsite Worker	-1.48E+00	-6.71E-05	-1.04E-03	-5.22E-03	-7.71E-02	-3.67E-04	-5.16E-03	-5.16E-05	-6.27E-03	-1.04E-02	-4.01E-03	-6.68E-04	-6.06E-03	-2.02E-04	-3.67E+00	-3.06E-02
202	372807	757781	Offsite Worker	-1.32E+00	-6.01E-05	-9.41E-04	-4.70E-03	-6.80E-02	-3.24E-04	-4.62E-03	-4.62E-05	-5.64E-03	-9.41E-03	-3.60E-03	-6.00E-04	-5.46E-03	-1.82E-04	-3.30E+00	-2.75E-02
203	372901	757782	Offsite Worker	-9.14E-01	-4.15E-05	-5.25E-04	-2.62E-03	-2.86E-02	-1.36E-04	-2.38E-03	-2.38E-05	-3.15E-03	-5.25E-03	-1.94E-03	-3.24E-04	-3.04E-03	-1.01E-04	-1.78E+00	-1.48E-02
204	372994	757783	Offsite Worker	-5.18E-01	-2.35E-05	-8.24E-04	-4.12E-03	-4.83E-02	-2.30E-04	-3.91E-03	-3.91E-05	-4.94E-03	-8.24E-03	-3.07E-03	-5.12E-04	-4.78E-03	-1.59E-04	-2.82E+00	-2.35E-02
205	373087	757783	Offsite Worker	-8.80E-02	-4.00E-06	-9.19E-04	-4.60E-03	-5.48E-02	-2.61E-04	-4.36E-03	-4.36E-05	-5.52E-03	-9.19E-03	-3.43E-03	-5.72E-04	-5.33E-03	-1.78E-04	-3.15E+00	-2.63E-02
206	373180	757784	Offsite Worker	1.65E-01	7.50E-06	-9.56E-04	-4.78E-03	-5.70E-02	-2.71E-04	-4.53E-03	-4.53E-05	-5.73E-03	-9.56E-03	-3.57E-03	-5.95E-04	-5.54E-03	-1.85E-04	-3.28E+00	-2.73E-02
207	373274	757785	Offsite Worker	2.55E-01	1.16E-05	-9.00E-04	-4.50E-03	-5.19E-02	-2.47E-04	-4.25E-03	-4.25E-05	-5.40E-03	-9.00E-03	-3.35E-03	-5.58E-04	-5.22E-03	-1.74E-04	-3.07E+00	-2.56E-02
208	373367	757786	Offsite Worker	3.37E-01	1.53E-05	-8.08E-04	-4.04E-03	-4.67E-02	-2.22E-04	-3.77E-03	-3.77E-05	-4.85E-03	-8.08E-03	-3.01E-03	-5.01E-04	-4.69E-03	-1.56E-04	-2.76E+00	-2.30E-02
209	373418	757742	Offsite Worker	1.75E+00	7.97E-05	-6.15E-05	-3.08E-04	6.44E-03	3.07E-05	1.53E-04	1.53E-06	-3.69E-04	-6.15E-04	-1.58E-04	-2.63E-05	-3.57E-04	-1.19E-05	-1.46E-01	-1.22E-03
210	373418	757653	Offsite Worker	2.40E+00	1.09E-04	1.72E-05	8.61E-05	1.74E-02	8.30E-05	6.46E-04	6.46E-06	1.03E-04	1.72E-04	1.81E-04	3.02E-05	9.99E-05	3.33E-06	1.64E-01	1.37E-03
211	373419	757564	Offsite Worker	5.82E-01	2.64E-05	-4.66E-04	-2.33E-03	-1.69E-02	-8.04E-05	-1.90E-03	-1.90E-05	-2.79E-03	-4.66E-03	-1.66E-03	-2.77E-04	-2.70E-03	-9.00E-05	-1.53E+00	-1.27E-02
212	373419	757475	Offsite Worker	-4.47E-01	-2.03E-05	-5.73E-04	-2.86E-03	-3.62E-02	-1.72E-04	-2.69E-03	-2.69E-05	-3.44E-03	-5.73E-03	-2.15E-03	-3.59E-04	-3.32E-03	-1.11E-04	-1.98E+00	-1.65E-02
213	373420	757386	Offsite Worker	-4.43E-01	-2.01E-05	-5.41E-04	-2.71E-03	-2.94E-02	-1.40E-04	-2.47E-03	-2.47E-05	-3.25E-03	-5.41E-03	-2.00E-03	-3.33E-04	-3.14E-03	-1.05E-04	-1.84E+00	-1.53E-02
214	373420	757297	Offsite Worker	-5.26E-01	-2.39E-05	-6.51E-04	-3.26E-03	-3.73E-02	-1.78E-04	-3.02E-03	-3.02E-05	-3.91E-03	-6.51E-03	-2.42E-03	-4.03E-04	-3.78E-03	-1.26E-04	-2.22E+00	-1.85E-02
215	373421	757207	Offsite Worker	-5.79E-01	-2.63E-05	-8.28E-04	-4.14E-03	-5.57E-02	-2.65E-04	-4.01E-03	-4.01E-05	-4.97E-03	-8.28E-03	-3.14E-03	-5.23E-04	-4.80E-03	-1.60E-04	-2.88E+00	-2.40E-02
216	373421	757118	Offsite Worker	-1.04E+00	-4.72E-05	-8.93E-04	-4.47E-03	-6.32E-02	-3.01E-04	-4.34E-03	-4.34E-05	-5.36E-03	-8.93E-03	-3.41E-03	-5.68E-04	-5.18E-03	-1.73E-04	-3.12E+00	-2.60E-02
217	373292	757117	Offsite Worker	-8.33E-01	-3.79E-05	-9.04E-04	-4.52E-03	-6.52E-02	-3.10E-04	-4.39E-03	-4.39E-05	-5.42E-03	-9.04E-03	-3.46E-03	-5.76E-04	-5.24E-03	-1.75E-04	-3.17E+00	-2.64E-02
218	373213	757118	Offsite Worker	-6.19E-01	-2.81E-05	-7.92E-04	-3.96E-03	-5.55E-02	-2.64E-04	-3.80E-03	-3.80E-05	-4.75E-03	-7.92E-03	-3.02E-03	-5.03E-04	-4.59E-03	-1.53E-04	-2.77E+00	-2.31E-02
219	373158	757066	Offsite Worker	-7.29E-01	-3.31E-05	-8.42E-04	-4.21E-03	-6.10E-02	-2.90E-04	-4.05E-03	-4.05E-05	-5.05E-03	-8.42E-03	-3.22E-03	-5.37E-04	-4.88E-03	-1.63E-04	-2.95E+00	-2.46E-02
220	373084	757026	Offsite Worker	-7.01E-01	-3.19E-05	-8.38E-04	-4.19E-03	-6.06E-02	-2.89E-04	-4.03E-03	-4.03E-05	-5.03E-03	-8.38E-03	-3.21E-03	-5.34E-04	-4.86E-03	-1.62E-04	-2.94E+00	-2.45E-02
221	373009	757011	Offsite Worker	-5.04E-01	-2.29E-05	-7.35E-04	-3.68E-03	-5.13E-02	-2.44E-04	-3.45E-03	-3.45E-05	-4.41E-03	-7.35E-03	-2.80E-03	-4.66E-04	-4.26E-03	-1.42E-04	-2.57E+00	-2.14E-02
222	372922	757009	Offsite Worker	-1.43E-01	-6.50E-06	-6.25E-04	-3.12E-03	-4.30E-02	-2.05E-04	-2.85E-03	-2.85E-05	-3.75E-03	-6.25E-03	-2.37E-03	-3.96E-04	-3.62E-03	-1.21E-04	-2.18E+00	-1.81E-02
223	372835	757007	Offsite Worker	-4.77E-01	-2.17E-05	-5.86E-04	-2.93E-03	-3.99E-02	-1.90E-04	-2.59E-03	-2.59E-05	-3.51E-03	-5.86E-03	-2.22E-03	-3.70E-04	-3.40E-03	-1.13E-04	-2.04E+00	-1.70E-02
224	372747	757006	Offsite Worker	7.74E-01	3.52E-05	-4.33E-04	-2.17E-03	-2.39E-02	-1.14E-04	-1.77E-03	-1.77E-05	-2.60E-03	-4.33E-03	-1.60E-03	-2.67E-04	-2.51E-03	-8.38E-05	-1.47E+00	-1.23E-02
225	372660	757004	Offsite Worker	5.99E+00	2.72E-04	1.05E-03	5.27E-03	9.49E-02	4.52E-04	6.24E-03	6.24E-05	6.32E-03	1.05E-02	4.16E-03	6.94E-04	6.11E-03	2.04E-04	3.82E+00	3.18E-02
226	372651	757063	Offsite Worker	9.93E+00	4.51E-04	2.25E-03	1.12E-02	1.76E-01	8.39E-04	1.25E-02	1.25E-04	1.35E-02	2.25E-02	8.70E-03	1.45E-03	1.30E-02	4.35E-04	7.98E+00	6.65E-02
227	372629	756931	Offsite Worker	2.50E+00	1.13E-04	-4.94E-05	-2.47E-04	8.18E-03	3.90E-05	3.11E-04	3.11E-06	-2.96E-04	-4.94E-04	-1.05E-04	-1.75E-05	-2.86E-04	-9.55E-06	-9.77E-02	-8.14E-04
228	372631	756857	Offsite Worker	2.48E+00	1.13E-04	1.66E-04	8.32E-04	1.93E-02	9.20E-05	1.39E-03	1.39E-05	9.99E-04	1.66E-03	6.89E-04	1.15E-04	9.66E-04	3.22E-05	6.31E-01	5.26E-03
229	372634	756783	Offsite Worker	1.79E+00	8.12E-05	-1.61E-04	-8.03E-04	-7.63E-03	-3.63E-05	-3.51E-04	-3.51E-06	-9.64E-04	-1.61E-03	-5.86E-04	-9.77E-05	-9.32E-04	-3.11E-05	-5.38E-01	-4.48E-03
230	372702	756778	Offsite Worker	1.31E+00	5.97E-05	-3.23E-04	-1.61E-03	-2.14E-02	-1.02E-04	-1.18E-03	-1.18E-05	-1.94E-03	-3.23E-03	-1.22E-03	-2.04E-04	-1.87E-03	-6.24E-05	-1.12E+00	-9.34E-03
231	372756	756775	Offsite Worker	1.15E+00	5.24E-05	-3.07E-04	-1.54E-03	-2.11E-02	-1.01E-04	-1.13E-03	-1.13E-05	-1.84E-03	-3.07E-03	-1.17E-03	-1.95E-04	-1.78E-03	-5.94E-05	-1.07E+00	-8.93E-03
232	372729	756712	Offsite Worker	2.27E+00	1.03E-04	-4.13E-05	-2.07E-04	5.81E-04	2.77E-06	4.01E-04	4.01E-06	-2.48E-04	-4.13E-04	-1.33E-04	-2.21E-05	-2.40E-04	-7.99E-06	-1.22E-01	-1.02E-03
233	372703	756650	Offsite Worker	1.64E+00	7.47E-05	-2.22E-04	-1.11E-03	-1.38E-02	-6.56E-05	-5.29E-04	-5.29E-06	-1.33E-03	-2.22E-03	-8.32E-04	-1.39E-04	-1.29E-03	-4.29E-05	-7.64E-01	-6.36E-03
234	372677	756588	Offsite Worker	2.17E+00	9.88E-05	-1.19E-04	-5.95E-04	-8.68E-03	-4.13E-05	3.33E-05	3.33E-07	-7.14E-04	-1.19E-03	-4.56E-04	-7.60E-05	-6.91E-04	-2.30E-05	-4.18E-01	-3.49E-03
235	372619	756588	Offsite Worker	1.82E+00	8.28E-05	1.85E-04	9.26E-04	1.55E-02	7.36E-05	1.67E-03	1.67E-05	1.11E-03	1.85E-03	7.23E-04	1.21E-04	1.07E-03	3.58E-05	6.63E-01	5.53E-03
236	372622	756509	Offsite Worker	5.29E-01	2.40E-05	-3.58E-04	-1.79E-03	-2.29E-02	-1.09E-04	-8.79E-04	-8.79E-06	-2.15E-03	-3.58E-03	-1.35E-03	-2.25E-04	-2.07E-03	-6.92E-05	-1.24E+00	-1.03E-02
237	372700	756511	Offsite Worker	5.53E-01	2.51E-05	-6.74E-04	-3.37E-03	-5.11E-02	-2.43E-04	-3.16E-03	-3.16E-05	-4.04E-03	-6.74E-03	-2.60E-03	-4.33E-04	-3.91E-03	-1.30E-04	-2.38E+00	-1.98E-02
238	372789	756510	Offsite Worker	1.85E-01	8.40E-06	-5.21E-04	-2.61E-03	-3.69E-02	-1.76E-04	-2.31E-03	-2.31E-05	-3.13E-03	-5.21E-03	-1.99E-03	-3.31E-04	-3.02E-03	-1.01E-04	-1.82E+00	-1.52E-02
239	372871	756509	Offsite Worker	-2.34E-01	-1.06E-05	-5.32E-04	-2.66E-03	-3.45E-02	-1.65E-04	-2.29E-03	-2.29E-05	-3.19E-03	-5.32E-03	-2.01E-03	-3.35E-04	-3.09E-03	-1.03E-04	-1.84E+00	-1.54E-02
240	372871	756437	Offsite Worker	-1.10E+00	-5.01E-05	-1.16E-03	-5.81E-03	-7.46E-02	-3.55E-04	-5.29E-03	-5.29E-05	-6.97E-03	-1.16E-02	-4.38E-03	-7.29E-04	-6.74E-03	-2.25E-04	-4.01E+00	-3.35E-02
241	372970	756437	Offsite Worker	-9.09E-01	-4.13E-05	-1.46E-03	-7.28E-03	-9.56E-02	-4.55E-04	-6.85E-03	-6.85E-05	-8.74E-03	-1.46E-02	-5.50E-03	-9.17E-04	-8.45E-03	-2.82E-04	-5.05E+00	-4.21E-02
242	373069	756437	Offsite Worker	-8.92E-01	-4.06E-05	-1.32E-03	-6.58E-03	-8.91E-02	-4.24E-04	-6.24E-03	-6.24E-05	-7.89E-03	-1.32E-02	-4.99E-03	-8.32E-04	-7.63E-03	-2.54E-04	-4.58E+00	-3.81E-02
243	373168	756437	Offsite Worker	-8.80E-01	-4.00E-05	-9.43E-04	-4.72E-03	-6.73E-02	-3.20E-04	-4.48E-03	-4.48E-05	-5.66E-03	-9.43E-03	-3.60E-03	-6.00E-04	-5.47E-03	-1.82E-04	-3.30E+00	-2.75E-02
244	373267	756437	Offsite Worker	-8.07E-01	-3.67E-05	-8.82E-04	-4.41E-03	-6.25E-02	-2.98E-04	-4.16E-03	-4.16E-05	-5.29E-03	-8.82E-03	-3.37E-03	-5.61E-04	-5.12E-03	-1.71E-04	-3.09E+00	-2.57E-02
245	373412	756437	Offsite Worker	-5.02E-01	-2.28E-05	-7.90E-04	-3.95E-03	-5.57E-02	-2.65E-04	-3.70E-03	-3.70E-05	-4.74E-03	-7.90E-03	-3.01E-03	-5.02E-04	-4.58E-03	-1.53E-04	-2.76E+00	-2.30E-02
246	373409	756339	Offsite Worker	-1.63E+00	-7.42E-05	-1.42E-03	-7.10E-03	-9.78E-02	-4.66E-04	-6.93E-03	-6.93E-05	-8.52E-03	-1.42E-02	-5.40E-03	-9.00E-04	-8.24E-03	-2.75E-04	-4.95E+00	-4.13E-02
247	373406	756240	Offsite Worker	-2.00E+00	-9.10E-05	-1.34E-03	-6.69E-03	-8.68E-02	-4.13E-04	-6.36E-03	-6.36E-05	-8.02E-03	-1.34E-02	-5.04E-03	-8.41E-04	-7.76E-03	-2.59E-04	-4.63E+00	-3.86E-02
248	373403	756142	Offsite Worker	-8.45E-01	-3.84E-05	-8.23E-04	-4.11E-03	-5.35E-02	-2.55E-04	-3.65E-03	-3.65E-05	-4.94E-03	-8.23E-03	-3.10E-03	-5.17E-04	-4.77E-03	-1.59E-04	-2.85E+00	-2.37E-02
249	373400	756042	Offsite Worker	-1.24E+00	-5.63E-05	-1.20E-03	-6.02E-03	-1.01E-01	-4.82E-04	-5.85E-03	-5.85E-05	-7.22E-03	-1.20E-02	-4.71E-03	-7.84E-04	-6.98E-03	-2.33E-04	-4.31E+00	-3.60E-02
250	373397	755944	Offsite Worker	-1.69E+00	-7.70E-05	-1.22E-03	-6.09E-03	-1.10E-01	-5.24E-04	-6.17E-03	-6.17E-05	-7.30E-03	-1.22E-02	-4.81E-03	-8.02E-04	-7.06E-03	-2.35E-04	-4.41E+00	-3.68E-02
251	373393	755846	Offsite Worker	-1.70E+00	-7.73E-05	-1.56E-03	-7.78E-03	-1.23E-01	-5.86E-04	-7.73E-03	-7.73E-05	-9.33E-03	-1.56E-02	-6.03E-03	-1.00E-03	-9.02E-03	-3.01E-04	-5.53E+00	-4.61E-02
252	373390	755747	Offsite Worker	-2.00E+00	-9.10E-05	-1.45E-03	-7.23E-03	-1.05E-01	-5.01E-04	-7.05E-03	-7.05E-05	-8.68E-03	-1.45E-02	-5.54E-03	-9.23E-04	-8.39E-03	-2.80E-04	-5.08E+00	-4.23E-02
253	373309	755744	Offsite Worker	-2.09E+00	-9.50E-05	-1.47E-03	-7.36E-03	-1.06E-01	-5.06E-04	-7.16E-03	-7.16E-05	-8.83E-03	-1.47E-02	-5.63E-03	-9.38E-04	-8.54E-03	-2.85E-04	-5.16E+00	-4.30E-02
254	373229	755743	Offsite Worker	-2.04E+00	-9.28E-05	-1.51E-03	-7.57E-03	-1.09E-01	-5.19E-04	-7.36E-03	-7.36E-05	-9.09E-03	-1.51E-02	-5.79E-03	-9.65E-04	-8.78E-03	-2.93E-04	-5.31E+00	-4.43E-02
255	373143	755741	Offsite Worker	-1.81E+00	-8.20E-05	-1.60E-03	-7.98E-03	-1.18E-01	-5.61E-04	-7.78E-03	-7.78E-05	-9.58E-03	-1.60E-02	-6.12E-03	-1.02E-03	-9.26E-03	-3.09E-04	-5.61E+00	-4.68E-02
256	373143	755823	Offsite Worker	-2.45E+00	-1.12E-04	-1.57E-03	-7.87E-03	-1.22E-01	-5.82E-04	-7.77E-03	-7.77E-05	-9.44E-03	-1.57E-02	-6.08E-03	-1.01E-03	-9.12E-03	-3.04E-04	-5.57E+00	-4.65E-02
257	373143	755906	Offsite Worker	-2.50E+00	-1.13E-04	-1.40E-03	-6.99E-03	-1.27E-01	-6.03E-04	-7.07E-03	-7.07E-05	-8.39E-03	-1.40E-02	-5.53E-03	-9.22E-04	-8.11E-03	-2.70E-04	-5.07E+00	-4.22E-02
258	373065	755906	Offsite Worker	-2.83E+00	-1.29E-04	-1.41E-03	-7.04E-03	-1.28E-01	-6.11E-04	-7.12E-03	-7.12E-05	-8.44E-03	-1.41E-02	-5.57E-03	-9.29E-04	-8.16E-03	-2.72E-04	-5.11E+00	-4.26E-02
259	373065	755827	Offsite Worker	-2.55E+00	-1.16E-04	-1.69E-03	-8.43E-03	-1.39E-01	-6.61E-04	-8.41E-03	-8.41E-05	-1.01E-02	-1.69E-02	-6.57E-03	-1.10E-03	-9.78E-03	-3.26E-04	-6.02E+00	-5.02E-02
260	373068	755733	Offsite Worker	-1.73E+00	-7.84E-05	-1.62E-03	-8.11E-03	-1.16E-01	-5.50E-04	-7.86E-03	-7.86E-05	-9.74E-03	-1.62E-02	-6.19E-03	-1.03E-03	-9.41E-03	-3.14E-04	-5.68E+00	-4.73E-02

Table 3-7B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 6, Horizon Year 2025 - Maximum Range
Construction and Operations TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m³)	xylene, total Acute Hazard	arsenic (µg/m³)	arsenic Acute Hazard	chlorine (µg/m³)	chlorine Acute Hazard	copper (µg/m³)	copper Acute Hazard	mercury (µg/m³)	mercury Acute Hazard	nickel (µg/m³)	nickel Acute Hazard	vanadium (µg/m³)	vanadium Acute Hazard	sulfates (µg/m³)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
261	373007	755733	Offsite Worker	-1.76E+00	-8.02E-05	-1.62E-03	-8.12E-03	-1.14E-01	-5.41E-04	-7.84E-03	-7.84E-05	-9.74E-03	-1.62E-02	-6.18E-03	-1.03E-03	-9.42E-03	-3.14E-04	-5.67E+00	-4.73E-02
262	372941	755733	Offsite Worker	-1.92E+00	-8.73E-05	-1.71E-03	-8.53E-03	-1.18E-01	-5.64E-04	-8.25E-03	-8.25E-05	-1.02E-02	-1.71E-02	-6.49E-03	-1.08E-03	-9.89E-03	-3.30E-04	-5.95E+00	-4.96E-02
263	372941	755636	Offsite Worker	-1.42E+00	-6.45E-05	-1.73E-03	-8.65E-03	-1.14E-01	-5.41E-04	-8.38E-03	-8.38E-05	-1.04E-02	-1.73E-02	-6.53E-03	-1.09E-03	-1.00E-02	-3.34E-04	-5.99E+00	-5.00E-02
264	372941	755539	Offsite Worker	-1.82E+00	-8.26E-05	-1.84E-03	-9.18E-03	-1.27E-01	-6.04E-04	-9.08E-03	-9.08E-05	-1.10E-02	-1.84E-02	-6.98E-03	-1.16E-03	-1.06E-02	-3.55E-04	-6.40E+00	-5.33E-02
265	372941	755442	Offsite Worker	-1.50E+00	-6.83E-05	-2.50E-03	-1.25E-02	-1.73E-01	-8.23E-04	-1.25E-02	-1.25E-04	-1.50E-02	-2.50E-02	-9.50E-03	-1.58E-03	-1.45E-02	-4.83E-04	-8.72E+00	-7.26E-02
266	372913	755342	Offsite Worker	-1.97E+00	-8.97E-05	-3.75E-03	-1.88E-02	-2.62E-01	-1.25E-03	-1.89E-02	-1.89E-04	-2.25E-02	-3.75E-02	-1.43E-02	-2.38E-03	-2.18E-02	-7.26E-04	-1.31E+01	-1.09E-01
267	372817	755346	Offsite Worker	-2.51E+00	-1.14E-04	-4.68E-03	-2.34E-02	-3.26E-01	-1.55E-03	-2.36E-02	-2.36E-04	-2.81E-02	-4.68E-02	-1.78E-02	-2.97E-03	-2.71E-02	-9.05E-04	-1.63E+01	-1.36E-01
268	372720	755349	Offsite Worker	-3.40E+00	-1.55E-04	-7.05E-03	-3.53E-02	-4.88E-01	-2.32E-03	-3.56E-02	-3.56E-04	-4.23E-02	-7.05E-02	-2.68E-02	-4.47E-03	-4.09E-02	-1.36E-03	-2.46E+01	-2.05E-01
269	372624	755352	Offsite Worker	-4.67E+00	-2.12E-04	-1.02E-02	-5.08E-02	-7.04E-01	-3.35E-03	-5.15E-02	-5.15E-04	-6.10E-02	-1.02E-01	-3.87E-02	-6.44E-03	-5.90E-02	-1.97E-03	-3.55E+01	-2.96E-01
270	372527	755349	Offsite Worker	-4.85E+00	-2.20E-04	-7.08E-03	-3.54E-02	-4.96E-01	-2.36E-03	-3.58E-02	-3.58E-04	-4.25E-02	-7.08E-02	-2.70E-02	-4.49E-03	-4.11E-02	-1.37E-03	-2.47E+01	-2.06E-01
271	372431	755353	Offsite Worker	-4.01E+00	-1.82E-04	-6.39E-03	-3.20E-02	-4.44E-01	-2.12E-03	-3.23E-02	-3.23E-04	-3.84E-02	-6.39E-02	-2.43E-02	-4.06E-03	-3.71E-02	-1.24E-03	-2.23E+01	-1.86E-01
272	372334	755356	Offsite Worker	-3.30E+00	-1.50E-04	-6.14E-03	-3.07E-02	-4.25E-01	-2.03E-03	-3.10E-02	-3.10E-04	-3.68E-02	-6.14E-02	-2.33E-02	-3.89E-03	-3.56E-02	-1.19E-03	-2.14E+01	-1.78E-01
273	372237	755359	Offsite Worker	-3.65E+00	-1.66E-04	-6.11E-03	-3.05E-02	-4.26E-01	-2.03E-03	-3.08E-02	-3.08E-04	-3.66E-02	-6.11E-02	-2.33E-02	-3.88E-03	-3.54E-02	-1.18E-03	-2.13E+01	-1.78E-01
274	372141	755362	Offsite Worker	-2.60E+00	-1.18E-04	-1.10E-02	-5.51E-02	-7.67E-01	-3.65E-03	-5.58E-02	-5.58E-04	-6.61E-02	-1.10E-01	-4.19E-02	-6.99E-03	-6.39E-02	-2.13E-03	-3.85E+01	-3.20E-01
275	372044	755366	Offsite Worker	-2.28E+00	-1.04E-04	-1.11E-02	-5.53E-02	-7.74E-01	-3.68E-03	-5.61E-02	-5.61E-04	-6.64E-02	-1.11E-01	-4.21E-02	-7.02E-03	-6.41E-02	-2.14E-03	-3.86E+01	-3.22E-01
276	371948	755369	Offsite Worker	-1.61E+00	-7.30E-05	-5.96E-03	-2.98E-02	-4.18E-01	-1.99E-03	-3.02E-02	-3.02E-04	-3.58E-02	-5.96E-02	-2.27E-02	-3.79E-03	-3.46E-02	-1.15E-03	-2.08E+01	-1.74E-01
277	371851	755372	Offsite Worker	-3.07E+00	-1.40E-04	-4.96E-03	-2.48E-02	-3.51E-01	-1.67E-03	-2.51E-02	-2.51E-04	-2.98E-02	-4.96E-02	-1.89E-02	-3.15E-03	-2.88E-02	-9.59E-04	-1.74E+01	-1.45E-01
278	371755	755375	Offsite Worker	-5.20E+00	-2.36E-04	-5.10E-03	-2.55E-02	-3.62E-01	-1.72E-03	-2.58E-02	-2.58E-04	-3.06E-02	-5.10E-02	-1.95E-02	-3.25E-03	-2.96E-02	-9.87E-04	-1.79E+01	-1.49E-01
279	371658	755378	Offsite Worker	-6.91E+00	-3.14E-04	-5.00E-03	-2.50E-02	-3.53E-01	-1.68E-03	-2.53E-02	-2.53E-04	-3.00E-02	-5.00E-02	-1.91E-02	-3.18E-03	-2.90E-02	-9.66E-04	-1.75E+01	-1.46E-01
280	371562	755382	Offsite Worker	-5.19E+00	-2.36E-04	-4.14E-03	-2.07E-02	-2.91E-01	-1.39E-03	-2.09E-02	-2.09E-04	-2.49E-02	-4.14E-02	-1.58E-02	-2.63E-03	-2.40E-02	-8.01E-04	-1.45E+01	-1.21E-01
281	371465	755385	Offsite Worker	-4.14E+00	-1.88E-04	-3.26E-03	-1.63E-02	-2.28E-01	-1.09E-03	-1.64E-02	-1.64E-04	-1.95E-02	-3.26E-02	-1.24E-02	-2.07E-03	-1.89E-02	-6.30E-04	-1.14E+01	-9.48E-02
282	371368	755388	Offsite Worker	-3.45E+00	-1.57E-04	-2.48E-03	-1.24E-02	-1.75E-01	-8.32E-04	-1.24E-02	-1.24E-04	-1.49E-02	-2.48E-02	-9.44E-03	-1.57E-03	-1.44E-02	-4.79E-04	-8.66E+00	-7.22E-02
283	371272	755391	Offsite Worker	1.95E-02	8.86E-07	-2.12E-03	-1.06E-02	-1.54E-01	-7.32E-04	-1.05E-02	-1.05E-04	-1.27E-02	-2.12E-02	-8.10E-03	-1.35E-03	-1.23E-02	-4.09E-04	-7.43E+00	-6.19E-02
284	371175	755395	Offsite Worker	4.81E-02	2.19E-06	-2.21E-03	-1.11E-02	-1.62E-01	-7.70E-04	-1.10E-02	-1.10E-04	-1.33E-02	-2.21E-02	-8.47E-03	-1.41E-03	-1.28E-02	-4.27E-04	-7.77E+00	-6.47E-02
285	371079	755398	Offsite Worker	-2.40E+00	-1.09E-04	-2.38E-03	-1.19E-02	-1.76E-01	-8.37E-04	-1.20E-02	-1.20E-04	-1.43E-02	-2.38E-02	-9.13E-03	-1.52E-03	-1.38E-02	-4.60E-04	-8.38E+00	-6.98E-02
286	371042	755478	Offsite Worker	-2.26E+00	-1.03E-04	-2.44E-03	-1.22E-02	-1.82E-01	-8.65E-04	-1.23E-02	-1.23E-04	-1.47E-02	-2.44E-02	-9.38E-03	-1.56E-03	-1.42E-02	-4.72E-04	-8.61E+00	-7.17E-02
287	371009	755538	Offsite Worker	-1.10E+00	-5.00E-05	-2.17E-03	-1.09E-02	-1.66E-01	-7.93E-04	-1.09E-02	-1.09E-04	-1.30E-02	-2.17E-02	-8.37E-03	-1.39E-03	-1.26E-02	-4.20E-04	-7.68E+00	-6.40E-02
288	370975	755597	Offsite Worker	-5.39E-01	-2.45E-05	-2.45E-03	-1.22E-02	-1.81E-01	-8.63E-04	-1.21E-02	-1.21E-04	-1.47E-02	-2.45E-02	-9.38E-03	-1.56E-03	-1.42E-02	-4.73E-04	-8.61E+00	-7.17E-02
289	370925	755597	Offsite Worker	-1.59E+00	-7.21E-05	-2.63E-03	-1.31E-02	-1.91E-01	-9.10E-04	-1.30E-02	-1.30E-04	-1.58E-02	-2.63E-02	-1.01E-02	-1.68E-03	-1.53E-02	-5.08E-04	-9.23E+00	-7.69E-02
290	370860	755547	Offsite Worker	-4.68E+00	-2.13E-04	-3.07E-03	-1.54E-02	-2.24E-01	-1.07E-03	-1.53E-02	-1.53E-04	-1.84E-02	-3.07E-02	-1.18E-02	-1.96E-03	-1.78E-02	-5.94E-04	-1.08E+01	-9.00E-02
291	370796	755497	Offsite Worker	-3.95E+00	-1.79E-04	-3.95E-03	-1.98E-02	-2.76E-01	-1.31E-03	-1.97E-02	-1.97E-04	-2.37E-02	-3.95E-02	-1.50E-02	-2.51E-03	-2.29E-02	-7.64E-04	-1.38E+01	-1.15E-01
292	370733	755428	Offsite Worker	-1.61E+00	-7.32E-05	-3.41E-03	-1.70E-02	-2.39E-01	-1.14E-03	-1.69E-02	-1.69E-04	-2.04E-02	-3.41E-02	-1.30E-02	-2.16E-03	-1.98E-02	-6.58E-04	-1.19E+01	-9.92E-02
293	370634	755428	Offsite Worker	-4.96E+00	-2.25E-04	-4.33E-03	-2.16E-02	-3.04E-01	-1.45E-03	-2.16E-02	-2.16E-04	-2.60E-02	-4.33E-02	-1.65E-02	-2.75E-03	-2.51E-02	-8.37E-04	-1.51E+01	-1.26E-01
294	370536	755428	Offsite Worker	2.88E-01	1.31E-05	-5.45E-03	-2.72E-02	-3.74E-01	-1.78E-03	-2.70E-02	-2.70E-04	-3.27E-02	-5.45E-02	-2.07E-02	-3.45E-03	-3.16E-02	-1.05E-03	-1.90E+01	-1.58E-01
295	370437	755428	Offsite Worker	-3.88E+00	-1.77E-04	-6.09E-03	-3.05E-02	-4.25E-01	-2.03E-03	-3.05E-02	-3.05E-04	-3.66E-02	-6.09E-02	-2.32E-02	-3.87E-03	-3.53E-02	-1.18E-03	-2.13E+01	-1.77E-01
296	370338	755427	Offsite Worker	-3.50E+00	-1.59E-04	-5.32E-03	-2.66E-02	-3.71E-01	-1.77E-03	-2.64E-02	-2.64E-04	-3.19E-02	-5.32E-02	-2.03E-02	-3.38E-03	-3.09E-02	-1.03E-03	-1.86E+01	-1.55E-01
307	369249	755442	Offsite Worker	-8.31E-01	-3.78E-05	-2.11E-03	-1.05E-02	-1.45E-01	-6.93E-04	-1.04E-02	-1.04E-04	-1.26E-02	-2.11E-02	-8.01E-03	-1.34E-03	-1.22E-02	-4.07E-04	-7.35E+00	-6.12E-02
308	369151	755442	Offsite Worker	-5.84E-01	-2.66E-05	-1.85E-03	-9.26E-03	-1.24E-01	-5.92E-04	-9.05E-03	-9.05E-05	-1.11E-02	-1.85E-02	-7.01E-03	-1.17E-03	-1.07E-02	-3.58E-04	-6.43E+00	-5.36E-02
309	369052	755442	Offsite Worker	-1.27E+00	-5.77E-05	-1.55E-03	-7.74E-03	-9.76E-02	-4.65E-04	-7.45E-03	-7.45E-05	-9.29E-03	-1.55E-02	-5.82E-03	-9.70E-04	-8.98E-03	-2.99E-04	-5.34E+00	-4.45E-02
320	368035	755402	Offsite Worker	-3.03E-01	-1.38E-05	-1.57E-03	-7.84E-03	-1.12E-01	-5.35E-04	-7.77E-03	-7.77E-05	-9.40E-03	-1.57E-02	-5.99E-03	-9.98E-04	-9.09E-03	-3.03E-04	-5.49E+00	-4.58E-02
321	367960	755389	Offsite Worker	-2.71E-01	-1.23E-05	-1.59E-03	-7.93E-03	-1.15E-01	-5.46E-04	-7.89E-03	-7.89E-05	-9.52E-03	-1.59E-02	-6.07E-03	-1.01E-03	-9.20E-03	-3.07E-04	-5.57E+00	-4.64E-02
322	367863	755390	Offsite Worker	-7.87E-02	-3.58E-06	-1.51E-03	-7.56E-03	-1.13E-01	-5.37E-04	-7.55E-03	-7.55E-05	-9.07E-03	-1.51E-02	-5.81E-03	-9.68E-04	-8.77E-03	-2.92E-04	-5.33E+00	-4.44E-02
323	367766	755392	Offsite Worker	2.04E-01	9.29E-06	-1.31E-03	-6.54E-03	-9.86E-02	-4.69E-04	-6.53E-03	-6.53E-05	-7.84E-03	-1.31E-02	-5.03E-03	-8.38E-04	-7.58E-03	-2.53E-04	-4.61E+00	-3.84E-02
324	367669	755393	Offsite Worker	-4.04E-01	-1.84E-05	-1.05E-03	-5.24E-03	-8.03E-02	-3.82E-04	-5.22E-03	-5.22E-05	-6.29E-03	-1.05E-02	-4.04E-03	-6.74E-04	-6.08E-03	-2.03E-04	-3.71E+00	-3.09E-02
325	367572	755394	Offsite Worker	-1.02E+00	-4.66E-05	-9.49E-04	-4.74E-03	-7.25E-02	-3.45E-04	-4.72E-03	-4.72E-05	-5.69E-03	-9.49E-03	-3.66E-03	-6.10E-04	-5.50E-03	-1.83E-04	-3.35E+00	-2.80E-02
326	367475	755395	Offsite Worker	-1.48E+00	-6.73E-05	-1.07E-03	-5.37E-03	-8.00E-02	-3.81E-04	-5.37E-03	-5.37E-05	-6.44E-03	-1.07E-02	-4.12E-03	-6.87E-04	-6.23E-03	-2.08E-04	-3.78E+00	-3.15E-02
327	370400	756850	On-Site Occupational	-9.82E+00	-4.46E-04	-3.72E-03	-1.86E-02	-2.33E-01	-1.11E-03	-1.81E-02	-1.81E-04	-2.23E-02	-3.72E-02	-1.40E-02	-2.33E-03	-2.16E-02	-7.20E-04	-1.28E+01	-1.07E-01
1	367379	755396	Recreational	-1.57E+00	-7.12E-05	-1.06E-03	-5.31E-03	-7.95E-02	-3.79E-04	-5.31E-03	-5.31E-05	-6.37E-03	-1.06E-02	-4.08E-03	-6.80E-04	-6.16E-03	-2.05E-04	-3.74E+00	-3.12E-02
2	367340	755485	Recreational	-9.36E-01	-4.26E-05	-8.77E-04	-4.38E-03	-6.66E-02	-3.17E-04	-4.35E-03	-4.35E-05	-5.26E-03	-8.77E-03	-3.38E-03	-5.63E-04	-5.08E-03	-1.69E-04	-3.10E+00	-2.58E-02
3	367301	755573	Recreational	-1.76E+00	-8.00E-05	-9.25E-04	-4.63E-03	-7.07E-02	-3.37E-04	-4.59E-03	-4.59E-05	-5.55E-03	-9.25E-03	-3.57E-03	-5.94E-04	-5.37E-03	-1.79E-04	-3.27E+00	-2.73E-02
4	367263	755661	Recreational	-2.10E+00	-9.55E-05	-1.13E-03	-5.67E-03	-8.53E-02	-4.06E-04	-5.63E-03	-5.63E-05	-6.80E-03	-1.13E-02	-4.36E-03	-7.27E-04	-6.57E-03	-2.19E-04	-4.00E+00	-3.33E-02
5	367224	755749	Recreational	-1.33E+00	-6.03E-05	-1.00E-03	-5.02E-03	-7.20E-02	-3.43E-04	-4.91E-03	-4.91E-05	-6.02E-03	-1.00E-02	-3.84E-03	-6.39E-04	-5.82E-03	-1.94E-04	-3.52E+00	-2.93E-02
6	367186	755838	Recreational	6.17E-02	2.80E-06	-7.11E-04	-3.55E-03	-4.98E-02	-2.37E-04	-3.32E-03	-3.32E-05	-4.26E-03	-7.11E-03	-2.71E-03	-4.51E-04	-4.12E-03	-1.37E-04	-2.48E+00	-2.07E-02
7	367147	755926	Recreational	5.35E-01	2.43E-05	-4.21E-04	-2.11E-03	-2.63E-02	-1.25E-04	-1.78E-03	-1.78E-05	-2.53E-03	-4.21E-03	-1.58E-03	-2.64E-04	-2.44E-03	-8.14E-05	-1.45E+00	-1.21E-02
8	367109	756014	Recreational	3.53E-01	1.60E-05	-6.89E-04	-3.45E-03	-4.70E-02	-2.24E-04	-3.17E-03	-3.17E-05	-4.13E-03	-6.89E-03	-2.62E-03	-4.36E-04	-4.00E-03	-1.33E-04	-2.40E+00	-2.00E-02
9	367070	756103	Recreational	1.21E+00	5.52E-05	-9.75E-04	-4.87E-03	-6.60E-02	-3.15E-04	-4.60E-03	-4.60E-05	-5.85E-03	-9.75E-03	-3.70E-03	-6.16E-04	-5.65E-03	-1.88E-04	-3.39E+00	-2.83E-02
10	367032	756191	Recreational	1.69E+00	7.68E-05	-7.67E-04	-3.84E-03	-4.77E-02	-2.27E-04	-3.48E-03	-3.48E-05	-4.60E-03	-7.67E-03	-2.88E-03	-4.80E-04	-4.45E-03	-1.48E-04	-2.64E+00	-2.20E-02
11	366993	756279	Recreational	1.44E+00	6.55E-05	-1.00E-03	-5.01E-03	-6.56E-02	-3.12E-04	-4.71E-03	-4.71E-05	-6.01E-03	-1.00E-02	-3.78E-03	-6.30E-04	-5.81E-03	-1.94E-04	-3.47E+00	-2.89E-02
12	366954	756367	Recreational	1.21E+00	5.50E-05	-1.04E-03	-5.21E-03	-6.94E-02	-3.31E-04	-4.94E-03	-4.94E-05	-6.25E-03	-1.04E-02	-3.94E-03	-6.57E-04	-6.04E-03	-2.01E-04	-3.62E+00	-3.01E-02
13	366916	756456	Recreational	9.77E-01	4.44E-05	-8.93E-04	-4.46E-03	-5.97E-02	-2.84E-04	-4.24E-03	-4.24E-05	-5.36E-03	-8.93E-03	-3.38E-03	-5.63E-04	-5.18E-03	-1.73E-04	-3.10E+00	-2.58E-02
14	366877	756544	Recreational	-8.52E-02	-3.87E-06	-7.72E-04	-3.86E-03	-5.15E-02	-2.45E-04	-3.67E-03	-3.67E-05	-4.63E-03	-7.72E-03	-2.92E-03	-4.87E-04	-4.48E-03	-1.49E-04	-2.68E+00	-2.23E-02
15	366839	756632	Recreational	-7.96E-01	-3.62E-05	-9.61E-04	-4.80E-03	-6.74E-02	-3.21E-04	-4.68E-03	-4.68E-05	-5.76E-03	-9.61E-03	-3.66E-03	-6.10E-04	-5.57E-03	-1.86E-04	-3.36E+00	-2.80E-02
16	366800	756720	Recreational	-7.47E-01	-3.40E-05	-8.11E-04	-4.05E-03	-5.53E-02	-2.64E-04	-3.90E-03	-3.90E-05	-4.86E-03	-8.11E-03	-3.08E-03	-5.13E-04	-4.70E-03	-1.57E-04	-2.82E+00	-2.35E-02
17	366762	756809	Recreational	7.07E-03	3.21E-07	-5.80E-04	-2.90E-03	-3.82E-02	-1.82E-04	-2.70E-03	-2.70E-05	-3.48E-03	-5.80E-03	-2.19E-03	-3.65E-04	-3.37E-03	-1.12E-04	-2.01E+00	-1.68E-02
18	366723	756897	Recreational	4.98E-01	2.26E-05	-6.84E-04	-3.42E-03	-4.37E-02	-2.08E-04	-3.18E-03	-3.18E-05	-4.11E-03	-6.84E-03	-2.58E-03	-4.29E-04	-3.97E-03	-1.32E-04	-2.36E+00	-1.97E-02

Table 3-7B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 6, Horizon Year 2025 - Maximum Range
Construction and Operations TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m³)	xylene, total Acute Hazard	arsenic (µg/m³)	arsenic Acute Hazard	chlorine (µg/m³)	chlorine Acute Hazard	copper (µg/m³)	copper Acute Hazard	mercury (µg/m³)	mercury Acute Hazard	nickel (µg/m³)	nickel Acute Hazard	vanadium (µg/m³)	vanadium Acute Hazard	sulfates (µg/m³)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
19	366685	756985	Recreational	-3.02E-02	-1.37E-06	-7.23E-04	-3.61E-03	-4.66E-02	-2.22E-04	-3.40E-03	-3.40E-05	-4.34E-03	-7.23E-03	-2.72E-03	-4.54E-04	-4.19E-03	-1.40E-04	-2.50E+00	-2.08E-02
20	366646	757074	Recreational	-6.48E-01	-2.95E-05	-7.82E-04	-3.91E-03	-5.35E-02	-2.55E-04	-3.75E-03	-3.75E-05	-4.69E-03	-7.82E-03	-2.97E-03	-4.95E-04	-4.54E-03	-1.51E-04	-2.73E+00	-2.27E-02
21	366607	757162	Recreational	-8.08E-01	-3.67E-05	-7.89E-04	-3.95E-03	-5.72E-02	-2.73E-04	-3.83E-03	-3.83E-05	-4.74E-03	-7.89E-03	-3.02E-03	-5.03E-04	-4.58E-03	-1.53E-04	-2.77E+00	-2.31E-02
22	366569	757250	Recreational	-9.54E-01	-4.33E-05	-9.23E-04	-4.61E-03	-6.30E-02	-3.00E-04	-4.48E-03	-4.48E-05	-5.54E-03	-9.23E-03	-3.50E-03	-5.84E-04	-5.35E-03	-1.78E-04	-3.21E+00	-2.68E-02
23	366530	757338	Recreational	-1.14E+00	-5.19E-05	-8.91E-04	-4.45E-03	-6.26E-02	-2.98E-04	-4.36E-03	-4.36E-05	-5.35E-03	-8.91E-03	-3.40E-03	-5.66E-04	-5.17E-03	-1.72E-04	-3.11E+00	-2.60E-02
24	366492	757427	Recreational	-8.10E-01	-3.68E-05	-7.65E-04	-3.83E-03	-5.27E-02	-2.51E-04	-3.70E-03	-3.70E-05	-4.59E-03	-7.65E-03	-2.91E-03	-4.85E-04	-4.44E-03	-1.48E-04	-2.67E+00	-2.22E-02
25	366453	757515	Recreational	-4.48E-01	-2.04E-05	-7.61E-04	-3.81E-03	-5.33E-02	-2.54E-04	-3.70E-03	-3.70E-05	-4.57E-03	-7.61E-03	-2.90E-03	-4.83E-04	-4.41E-03	-1.47E-04	-2.66E+00	-2.22E-02
26	366415	757603	Recreational	-3.62E-01	-1.65E-05	-7.87E-04	-3.93E-03	-5.59E-02	-2.66E-04	-3.82E-03	-3.82E-05	-4.72E-03	-7.87E-03	-3.00E-03	-5.00E-04	-4.56E-03	-1.52E-04	-2.75E+00	-2.29E-02
27	366376	757692	Recreational	-3.46E-01	-1.57E-05	-7.85E-04	-3.93E-03	-5.64E-02	-2.68E-04	-3.80E-03	-3.80E-05	-4.71E-03	-7.85E-03	-3.00E-03	-5.00E-04	-4.55E-03	-1.52E-04	-2.75E+00	-2.29E-02
84	369336	758100	Recreational	6.32E-01	2.87E-05	-1.56E-03	-7.78E-03	-1.06E-01	-5.03E-04	-7.42E-03	-7.42E-05	-9.34E-03	-1.56E-02	-5.91E-03	-9.84E-04	-9.03E-03	-3.01E-04	-5.42E+00	-4.51E-02
85	369269	758170	Recreational	1.21E+00	5.51E-05	-1.56E-03	-7.80E-03	-1.04E-01	-4.93E-04	-7.40E-03	-7.40E-05	-9.36E-03	-1.56E-02	-5.90E-03	-9.83E-04	-9.04E-03	-3.01E-04	-5.41E+00	-4.51E-02
86	369202	758239	Recreational	1.09E+00	4.94E-05	-1.62E-03	-8.11E-03	-1.09E-01	-5.17E-04	-7.79E-03	-7.79E-05	-9.74E-03	-1.62E-02	-6.14E-03	-1.02E-03	-9.41E-03	-3.14E-04	-5.64E+00	-4.70E-02
87	369264	758285	Recreational	9.66E-01	4.39E-05	-1.13E-03	-5.65E-03	-7.57E-02	-3.60E-04	-5.29E-03	-5.29E-05	-6.78E-03	-1.13E-02	-4.28E-03	-7.13E-04	-6.56E-03	-2.19E-04	-3.93E+00	-3.27E-02
88	369326	758330	Recreational	5.03E-01	2.29E-05	-1.49E-03	-7.44E-03	-1.03E-01	-4.89E-04	-7.22E-03	-7.22E-05	-8.93E-03	-1.49E-02	-5.66E-03	-9.43E-04	-8.63E-03	-2.88E-04	-5.19E+00	-4.33E-02
89	369389	758376	Recreational	-7.82E-03	-3.55E-07	-1.44E-03	-7.19E-03	-9.99E-02	-4.76E-04	-7.01E-03	-7.01E-05	-8.63E-03	-1.44E-02	-5.47E-03	-9.12E-04	-8.34E-03	-2.78E-04	-5.02E+00	-4.18E-02
90	369389	758462	Recreational	-2.17E-01	-9.87E-06	-1.29E-03	-6.44E-03	-8.99E-02	-4.28E-04	-6.26E-03	-6.26E-05	-7.73E-03	-1.29E-02	-4.90E-03	-8.17E-04	-7.47E-03	-2.49E-04	-4.50E+00	-3.75E-02
91	369389	758548	Recreational	-4.04E-01	-1.84E-05	-1.30E-03	-6.48E-03	-9.01E-02	-4.29E-04	-6.30E-03	-6.30E-05	-7.78E-03	-1.30E-02	-4.93E-03	-8.22E-04	-7.52E-03	-2.51E-04	-4.52E+00	-3.77E-02
28	366338	757780	Residential	-1.39E-01	-6.34E-06	-6.98E-04	-3.49E-03	-4.94E-02	-2.35E-04	-3.35E-03	-3.35E-05	-4.19E-03	-6.98E-03	-2.66E-03	-4.44E-04	-4.05E-03	-1.35E-04	-2.44E+00	-2.04E-02
29	366402	757746	Residential	-1.84E-01	-8.39E-06	-7.28E-04	-3.64E-03	-5.15E-02	-2.45E-04	-3.49E-03	-3.49E-05	-4.37E-03	-7.28E-03	-2.78E-03	-4.63E-04	-4.22E-03	-1.41E-04	-2.55E+00	-2.12E-02
30	366467	757713	Residential	-2.28E-01	-1.04E-05	-7.70E-04	-3.85E-03	-5.48E-02	-2.61E-04	-3.71E-03	-3.71E-05	-4.62E-03	-7.70E-03	-2.94E-03	-4.90E-04	-4.47E-03	-1.49E-04	-2.70E+00	-2.25E-02
31	366531	757679	Residential	-2.79E-01	-1.27E-05	-8.08E-04	-4.04E-03	-5.78E-02	-2.75E-04	-3.91E-03	-3.91E-05	-4.85E-03	-8.08E-03	-3.09E-03	-5.15E-04	-4.69E-03	-1.56E-04	-2.83E+00	-2.36E-02
32	366567	757773	Residential	4.05E-02	1.84E-06	-7.49E-04	-3.74E-03	-5.33E-02	-2.54E-04	-3.60E-03	-3.60E-05	-4.49E-03	-7.49E-03	-2.86E-03	-4.76E-04	-4.34E-03	-1.45E-04	-2.62E+00	-2.18E-02
33	366625	757758	Residential	4.66E-02	2.12E-06	-7.62E-04	-3.81E-03	-5.41E-02	-2.58E-04	-3.66E-03	-3.66E-05	-4.57E-03	-7.62E-03	-2.91E-03	-4.85E-04	-4.42E-03	-1.47E-04	-2.67E+00	-2.22E-02
34	366682	757744	Residential	5.22E-02	2.37E-06	-7.76E-04	-3.88E-03	-5.49E-02	-2.61E-04	-3.72E-03	-3.72E-05	-4.65E-03	-7.76E-03	-2.96E-03	-4.93E-04	-4.50E-03	-1.50E-04	-2.71E+00	-2.26E-02
35	366768	757788	Residential	-1.93E-01	-8.78E-06	-8.26E-04	-4.13E-03	-5.99E-02	-2.85E-04	-4.00E-03	-4.00E-05	-4.96E-03	-8.26E-03	-3.16E-03	-5.27E-04	-4.79E-03	-1.60E-04	-2.90E+00	-2.42E-02
36	366854	757833	Residential	-7.61E-01	-3.46E-05	-9.61E-04	-4.80E-03	-6.93E-02	-3.30E-04	-4.68E-03	-4.68E-05	-5.76E-03	-9.61E-03	-3.67E-03	-6.12E-04	-5.57E-03	-1.86E-04	-3.37E+00	-2.81E-02
37	366941	757877	Residential	-9.52E-01	-4.33E-05	-1.04E-03	-5.22E-03	-7.58E-02	-3.61E-04	-5.12E-03	-5.12E-05	-6.27E-03	-1.04E-02	-4.00E-03	-6.66E-04	-6.06E-03	-2.02E-04	-3.67E+00	-3.06E-02
38	367027	757922	Residential	-6.57E-01	-2.98E-05	-1.06E-03	-5.29E-03	-7.77E-02	-3.70E-04	-5.19E-03	-5.19E-05	-6.34E-03	-1.06E-02	-4.05E-03	-6.75E-04	-6.13E-03	-2.04E-04	-3.72E+00	-3.10E-02
39	367113	757966	Residential	1.34E-01	6.08E-06	-1.14E-03	-5.72E-03	-8.25E-02	-3.93E-04	-5.60E-03	-5.60E-05	-6.87E-03	-1.14E-02	-4.38E-03	-7.30E-04	-6.64E-03	-2.21E-04	-4.01E+00	-3.35E-02
40	367192	757916	Residential	-4.59E-02	-2.09E-06	-1.18E-03	-5.91E-03	-8.55E-02	-4.07E-04	-5.79E-03	-5.79E-05	-7.10E-03	-1.18E-02	-4.52E-03	-7.54E-04	-6.86E-03	-2.29E-04	-4.15E+00	-3.46E-02
41	367264	757916	Residential	1.23E-01	5.58E-06	-1.22E-03	-6.10E-03	-8.75E-02	-4.17E-04	-5.96E-03	-5.96E-05	-7.32E-03	-1.22E-02	-4.66E-03	-7.77E-04	-7.08E-03	-2.36E-04	-4.28E+00	-3.56E-02
42	367335	757916	Residential	3.15E-01	1.43E-05	-1.23E-03	-6.13E-03	-8.78E-02	-4.18E-04	-5.96E-03	-5.96E-05	-7.36E-03	-1.23E-02	-4.68E-03	-7.81E-04	-7.11E-03	-2.37E-04	-4.30E+00	-3.58E-02
43	367343	757966	Residential	7.77E-01	3.53E-05	-1.06E-03	-5.28E-03	-7.66E-02	-3.65E-04	-5.08E-03	-5.08E-05	-6.34E-03	-1.06E-02	-4.04E-03	-6.73E-04	-6.12E-03	-2.04E-04	-3.71E+00	-3.09E-02
44	367404	757995	Residential	9.33E-01	4.24E-05	-9.92E-04	-4.96E-03	-7.08E-02	-3.37E-04	-4.71E-03	-4.71E-05	-5.95E-03	-9.92E-03	-3.79E-03	-6.31E-04	-5.75E-03	-1.92E-04	-3.47E+00	-2.89E-02
45	367465	758024	Residential	6.71E-01	3.05E-05	-1.07E-03	-5.35E-03	-7.67E-02	-3.65E-04	-5.09E-03	-5.09E-05	-6.42E-03	-1.07E-02	-4.09E-03	-6.81E-04	-6.20E-03	-2.07E-04	-3.75E+00	-3.12E-02
55	367673	758189	Residential	-4.01E-01	-1.82E-05	-1.15E-03	-5.75E-03	-8.13E-02	-3.87E-04	-5.57E-03	-5.57E-05	-6.90E-03	-1.15E-02	-4.39E-03	-7.31E-04	-6.67E-03	-2.22E-04	-4.02E+00	-3.35E-02
59	367816	758096	Residential	-3.04E-01	-1.38E-05	-1.23E-03	-6.13E-03	-8.70E-02	-4.14E-04	-5.94E-03	-5.94E-05	-7.36E-03	-1.23E-02	-4.68E-03	-7.80E-04	-7.12E-03	-2.37E-04	-4.29E+00	-3.58E-02
60	367898	758066	Residential	-2.09E-01	-9.52E-06	-1.23E-03	-6.14E-03	-8.88E-02	-4.23E-04	-5.95E-03	-5.95E-05	-7.37E-03	-1.23E-02	-4.70E-03	-7.83E-04	-7.12E-03	-2.37E-04	-4.31E+00	-3.59E-02
61	367980	758035	Residential	-1.59E-01	-7.24E-06	-1.24E-03	-6.18E-03	-9.11E-02	-4.34E-04	-6.01E-03	-6.01E-05	-7.42E-03	-1.24E-02	-4.74E-03	-7.90E-04	-7.17E-03	-2.39E-04	-4.35E+00	-3.62E-02
62	368062	758005	Residential	-2.08E-01	-9.45E-06	-1.31E-03	-6.57E-03	-9.64E-02	-4.59E-04	-6.37E-03	-6.37E-05	-7.88E-03	-1.31E-02	-5.03E-03	-8.39E-04	-7.62E-03	-2.54E-04	-4.62E+00	-3.85E-02
63	368144	757975	Residential	-5.42E-01	-2.46E-05	-1.36E-03	-6.81E-03	-1.00E-01	-4.77E-04	-6.59E-03	-6.59E-05	-8.17E-03	-1.36E-02	-5.22E-03	-8.70E-04	-7.90E-03	-2.63E-04	-4.79E+00	-3.99E-02
64	368226	757945	Residential	-8.59E-01	-3.90E-05	-1.38E-03	-6.91E-03	-1.03E-01	-4.90E-04	-6.69E-03	-6.69E-05	-8.30E-03	-1.38E-02	-5.31E-03	-8.85E-04	-8.02E-03	-2.67E-04	-4.87E+00	-4.06E-02
65	368301	757943	Residential	-5.50E-01	-2.50E-05	-1.21E-03	-6.07E-03	-9.25E-02	-4.41E-04	-5.84E-03	-5.84E-05	-7.28E-03	-1.21E-02	-4.68E-03	-7.80E-04	-7.04E-03	-2.35E-04	-4.29E+00	-3.57E-02
66	368376	757941	Residential	-2.90E-02	-1.32E-06	-1.11E-03	-5.55E-03	-8.58E-02	-4.08E-04	-5.32E-03	-5.32E-05	-6.66E-03	-1.11E-02	-4.28E-03	-7.14E-04	-6.43E-03	-2.14E-04	-3.93E+00	-3.27E-02
67	368452	757940	Residential	7.03E-01	3.20E-05	-9.95E-04	-4.97E-03	-7.68E-02	-3.66E-04	-4.74E-03	-4.74E-05	-5.97E-03	-9.95E-03	-3.84E-03	-6.40E-04	-5.77E-03	-1.92E-04	-3.52E+00	-2.93E-02
68	368527	757938	Residential	2.89E-02	1.31E-06	-1.06E-03	-5.29E-03	-8.04E-02	-3.83E-04	-5.05E-03	-5.05E-05	-6.35E-03	-1.06E-02	-4.08E-03	-6.79E-04	-6.14E-03	-2.05E-04	-3.74E+00	-3.12E-02
69	368563	757880	Residential	4.31E-01	1.96E-05	-1.02E-03	-5.08E-03	-7.76E-02	-3.70E-04	-4.80E-03	-4.80E-05	-6.10E-03	-1.02E-02	-3.92E-03	-6.53E-04	-5.90E-03	-1.97E-04	-3.59E+00	-2.99E-02
70	368636	757926	Residential	-7.22E-01	-3.28E-05	-1.60E-03	-8.00E-03	-1.13E-01	-5.40E-04	-7.74E-03	-7.74E-05	-9.60E-03	-1.60E-02	-6.10E-03	-1.02E-03	-9.28E-03	-3.09E-04	-5.60E+00	-4.67E-02
71	368709	757971	Residential	-4.66E+00	-2.12E-04	-3.58E-03	-1.79E-02	-2.54E-01	-1.21E-03	-1.79E-02	-1.79E-04	-2.15E-02	-3.58E-02	-1.36E-02	-2.27E-03	-2.07E-02	-6.91E-04	-1.25E+01	-1.04E-01
72	368782	758017	Residential	-5.32E+00	-2.42E-04	-3.88E-03	-1.94E-02	-2.70E-01	-1.29E-03	-1.93E-02	-1.93E-04	-2.33E-02	-3.88E-02	-1.48E-02	-2.46E-03	-2.25E-02	-7.49E-04	-1.35E+01	-1.13E-01
73	368855	758062	Residential	-2.29E+00	-1.04E-04	-2.10E-03	-1.05E-02	-1.42E-01	-6.75E-04	-1.02E-02	-1.02E-04	-1.26E-02	-2.10E-02	-7.96E-03	-1.33E-03	-1.22E-02	-4.06E-04	-7.30E+00	-6.08E-02
74	368928	758108	Residential	-1.27E+00	-5.78E-05	-1.35E-03	-6.75E-03	-9.62E-02	-4.58E-04	-6.60E-03	-6.60E-05	-8.10E-03	-1.35E-02	-5.15E-03	-8.59E-04	-7.83E-03	-2.61E-04	-4.73E+00	-3.94E-02
75	369001	758153	Residential	-3.75E-01	-1.70E-05	-1.53E-03	-7.66E-03	-1.10E-01	-5.23E-04	-7.57E-03	-7.57E-05	-9.19E-03	-1.53E-02	-5.85E-03	-9.75E-04	-8.88E-03	-2.96E-04	-5.37E+00	-4.47E-02
76	369058	758074	Residential	-5.62E-01	-2.55E-05	-1.69E-03	-8.44E-03	-1.22E-01	-5.79E-04	-8.38E-03	-8.38E-05	-1.01E-02	-1.69E-02	-6.45E-03	-1.08E-03	-9.79E-03	-3.26E-04	-5.92E+00	-4.93E-02
77	369102	758103	Residential	-1.55E+00	-7.06E-05	-1.76E-03	-8.82E-03	-1.23E-01	-5.85E-04	-8.70E-03	-8.70E-05	-1.06E-02	-1.76E-02	-6.72E-03	-1.12E-03	-1.02E-02	-3.41E-04	-6.16E+00	-5.13E-02
78	369145	758132	Residential	-1.21E+00	-5.51E-05	-2.08E-03	-1.04E-02	-1.42E-01	-6.78E-04	-1.02E-02	-1.02E-04	-1.25E-02	-2.08E-02	-7.91E-03	-1.32E-03	-1.21E-02	-4.03E-04	-7.26E+00	-6.05E-02
79	369200	758065	Residential	-4.22E-01	-1.92E-05	-2.15E-03	-1.08E-02	-1.45E-01	-6.91E-04	-1.05E-02	-1.05E-04	-1.29E-02	-2.15E-02	-8.15E-03	-1.36E-03	-1.25E-02	-4.16E-04	-7.48E+00	-6.23E-02
80	369255	757998	Residential	5.18E-01	2.35E-05	-2.22E-03	-1.11E-02	-1.51E-01	-7.19E-04	-1.08E-02	-1.08E-04	-1.33E-02	-2.22E-02	-8.43E-03	-1.41E-03	-1.29E-02	-4.30E-04	-7.73E+00	-6.44E-02
81	369310	757931	Residential	2.87E-01	1.30E-05	-2.39E-03	-1.19E-02	-1.63E-01	-7.74E-04	-1.16E-02	-1.16E-04	-1.43E-02	-2.39E-02	-9.05E-03	-1.51E-03	-1.38E-02	-4.61E-04	-8.30E+00	-6.92E-02
82	369356	757981	Residential	5.35E-01	2.43E-05	-2.07E-03	-1.04E-02	-1.40E-01	-6.65E-04	-9.97E-03	-9.97E-05	-1.24E-02	-2.07E-02	-7.86E-03	-1.31E-03	-1.20E-02	-4.01E-04	-7.21E+00	-6.01E-02
83	369403	758031	Residential	1.05E+00	4.79E-05	-2.09E-03	-1.05E-02	-1.44E-01	-6.87E-04	-1.02E-02	-1.02E-04	-1.26E-02	-2.09E-02	-7.96E-03	-1.33E-03	-1.21E-02	-4.05E-04	-7.30E+00	-6.08E-02
92	369389	758634	Residential	-7.51E-01	-3.41E-05	-1.47E-03	-7.33E-03	-1.02E-01	-4.85E-04	-7.17E-03	-7.17E-05	-8.79E-03	-1.47E-02	-5.57E-03	-9.29E-04	-8.50E-03	-2.83E-04	-5.11E+00	-4.26E-02
93	369469	758630	Residential	-2.70E+00	-1.23E-04	-3.14E-03	-1.57E-02	-2.20E-01	-1.05E-03	-1.57E-02	-1.57E-04	-1.88E-02	-3.14E-02	-1.20E-02	-1.99E-03	-1.82E-02	-6.07E-04	-1.10E+01	-9.14E-02
94	369549	758625	Residential	-3.73E+00	-1.69E-04	-3.55E-03	-1.78E-02	-2.48E-01	-1.18E-03	-1.79E-02	-1.79E-04	-2.13E-02	-3.55E-02	-1.35E-02	-2.26E-03	-2.06E-02	-6.87E-04	-1.24E+01	-1.03E-01
95	369630	758621	Residential	-3.24E+00	-1.47E-04	-2.30E-03	-1.15E-02	-1.59E-01	-7.60E-04	-1.15E-02	-1.15E-04	-1.38E-02	-2.30E-02	-8.74E-03	-1.46E-03	-1.33E-02	-4.44E-04	-8.01E+00	-6.68E-02

Table 3-7B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 6, Horizon Year 2025 - Maximum Range
Construction and Operations TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m³)	xylene, total Acute Hazard	arsenic (µg/m³)	arsenic Acute Hazard	chlorine (µg/m³)	chlorine Acute Hazard	copper (µg/m³)	copper Acute Hazard	mercury (µg/m³)	mercury Acute Hazard	nickel (µg/m³)	nickel Acute Hazard	vanadium (µg/m³)	vanadium Acute Hazard	sulfates (µg/m³)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
96	369710	758617	Residential	-1.38E+00	-6.26E-05	-1.84E-03	-9.22E-03	-1.30E-01	-6.20E-04	-9.21E-03	-9.21E-05	-1.11E-02	-1.84E-02	-7.03E-03	-1.17E-03	-1.07E-02	-3.56E-04	-6.45E+00	-5.37E-02
97	369791	758613	Residential	-6.15E-01	-2.80E-05	-2.40E-03	-1.20E-02	-1.69E-01	-8.06E-04	-1.21E-02	-1.21E-04	-1.44E-02	-2.40E-02	-9.15E-03	-1.53E-03	-1.39E-02	-4.64E-04	-8.40E+00	-7.00E-02
98	369791	758514	Residential	-5.01E-01	-2.28E-05	-2.31E-03	-1.16E-02	-1.63E-01	-7.75E-04	-1.16E-02	-1.16E-04	-1.39E-02	-2.31E-02	-8.82E-03	-1.47E-03	-1.34E-02	-4.47E-04	-8.09E+00	-6.74E-02
99	369791	758416	Residential	-2.79E-01	-1.27E-05	-2.18E-03	-1.09E-02	-1.53E-01	-7.31E-04	-1.09E-02	-1.09E-04	-1.31E-02	-2.18E-02	-8.30E-03	-1.38E-03	-1.26E-02	-4.21E-04	-7.61E+00	-6.35E-02
100	369791	758318	Residential	-5.68E-01	-2.58E-05	-2.14E-03	-1.07E-02	-1.50E-01	-7.16E-04	-1.08E-02	-1.08E-04	-1.28E-02	-2.14E-02	-8.15E-03	-1.36E-03	-1.24E-02	-4.14E-04	-7.48E+00	-6.23E-02
101	369881	758318	Residential	-1.49E+00	-6.79E-05	-2.79E-03	-1.39E-02	-1.96E-01	-9.31E-04	-1.41E-02	-1.41E-04	-1.67E-02	-2.79E-02	-1.06E-02	-1.77E-03	-1.62E-02	-5.39E-04	-9.74E+00	-8.12E-02
102	369972	758318	Residential	-2.39E+00	-1.08E-04	-2.80E-03	-1.40E-02	-1.98E-01	-9.45E-04	-1.41E-02	-1.41E-04	-1.68E-02	-2.80E-02	-1.07E-02	-1.78E-03	-1.62E-02	-5.41E-04	-9.80E+00	-8.17E-02
103	370062	758318	Residential	-2.90E+00	-1.32E-04	-2.05E-03	-1.02E-02	-1.48E-01	-7.04E-04	-1.03E-02	-1.03E-04	-1.23E-02	-2.05E-02	-7.83E-03	-1.30E-03	-1.19E-02	-3.96E-04	-7.18E+00	-5.98E-02
104	370153	758318	Residential	-3.24E+00	-1.47E-04	-1.93E-03	-9.66E-03	-1.38E-01	-6.55E-04	-9.72E-03	-9.72E-05	-1.16E-02	-1.93E-02	-7.38E-03	-1.23E-03	-1.12E-02	-3.74E-04	-6.77E+00	-5.64E-02
105	370243	758318	Residential	-3.57E+00	-1.62E-04	-2.55E-03	-1.27E-02	-1.77E-01	-8.45E-04	-1.28E-02	-1.28E-04	-1.53E-02	-2.55E-02	-9.69E-03	-1.62E-03	-1.48E-02	-4.92E-04	-8.89E+00	-7.41E-02
111	370408	758347	Residential	-4.85E+00	-2.21E-04	-3.76E-03	-1.88E-02	-2.66E-01	-1.27E-03	-1.91E-02	-1.91E-04	-2.26E-02	-3.76E-02	-1.44E-02	-2.39E-03	-2.18E-02	-7.28E-04	-1.32E+01	-1.10E-01
112	370490	758344	Residential	-4.83E+00	-2.20E-04	-3.25E-03	-1.62E-02	-2.32E-01	-1.10E-03	-1.65E-02	-1.65E-04	-1.95E-02	-3.25E-02	-1.24E-02	-2.07E-03	-1.88E-02	-6.28E-04	-1.14E+01	-9.48E-02
113	370572	758341	Residential	-5.59E+00	-2.54E-04	-2.89E-03	-1.45E-02	-2.02E-01	-9.61E-04	-1.46E-02	-1.46E-04	-1.74E-02	-2.89E-02	-1.10E-02	-1.84E-03	-1.68E-02	-5.60E-04	-1.01E+01	-8.42E-02
114	370654	758338	Residential	-5.66E+00	-2.57E-04	-2.90E-03	-1.45E-02	-2.06E-01	-9.83E-04	-1.46E-02	-1.46E-04	-1.74E-02	-2.90E-02	-1.11E-02	-1.85E-03	-1.68E-02	-5.61E-04	-1.02E+01	-8.46E-02
115	370735	758335	Residential	-4.19E+00	-1.90E-04	-2.42E-03	-1.21E-02	-1.74E-01	-8.30E-04	-1.22E-02	-1.22E-04	-1.45E-02	-2.42E-02	-9.26E-03	-1.54E-03	-1.41E-02	-4.69E-04	-8.50E+00	-7.08E-02
116	370817	758333	Residential	-2.55E+00	-1.16E-04	-1.62E-03	-8.10E-03	-1.14E-01	-5.43E-04	-8.02E-03	-8.02E-05	-9.72E-03	-1.62E-02	-6.18E-03	-1.03E-03	-9.40E-03	-3.13E-04	-5.67E+00	-4.72E-02
130	371183	758027	Residential	3.01E-02	1.37E-06	-1.84E-03	-9.21E-03	-1.27E-01	-6.07E-04	-8.81E-03	-8.81E-05	-1.11E-02	-1.84E-02	-7.01E-03	-1.17E-03	-1.07E-02	-3.56E-04	-6.43E+00	-5.36E-02
131	371248	758024	Residential	-4.61E-01	-2.10E-05	-1.81E-03	-9.07E-03	-1.27E-01	-6.04E-04	-8.68E-03	-8.68E-05	-1.09E-02	-1.81E-02	-6.91E-03	-1.15E-03	-1.05E-02	-3.51E-04	-6.33E+00	-5.28E-02
132	371326	758075	Residential	-4.08E-01	-1.85E-05	-1.78E-03	-8.90E-03	-1.19E-01	-5.66E-04	-8.52E-03	-8.52E-05	-1.07E-02	-1.78E-02	-6.74E-03	-1.12E-03	-1.03E-02	-3.44E-04	-6.18E+00	-5.15E-02
133	371404	758127	Residential	-5.49E-02	-2.50E-06	-1.59E-03	-7.94E-03	-1.06E-01	-5.03E-04	-7.61E-03	-7.61E-05	-9.53E-03	-1.59E-02	-6.01E-03	-1.00E-03	-9.21E-03	-3.07E-04	-5.51E+00	-4.59E-02
134	371481	758178	Residential	1.88E-02	8.55E-07	-1.43E-03	-7.15E-03	-9.56E-02	-4.55E-04	-6.85E-03	-6.85E-05	-8.58E-03	-1.43E-02	-5.41E-03	-9.02E-04	-8.29E-03	-2.76E-04	-4.97E+00	-4.14E-02
135	371559	758230	Residential	1.31E-01	5.96E-06	-1.38E-03	-6.88E-03	-8.73E-02	-4.16E-04	-6.58E-03	-6.58E-05	-8.26E-03	-1.38E-02	-5.18E-03	-8.63E-04	-7.99E-03	-2.66E-04	-4.75E+00	-3.96E-02
136	371637	758281	Residential	2.53E-01	1.15E-05	-1.34E-03	-6.69E-03	-7.83E-02	-3.73E-04	-6.36E-03	-6.36E-05	-8.03E-03	-1.34E-02	-4.98E-03	-8.31E-04	-7.76E-03	-2.59E-04	-4.57E+00	-3.81E-02
137	371715	758333	Residential	3.82E-01	1.74E-05	-1.25E-03	-6.23E-03	-7.38E-02	-3.51E-04	-5.93E-03	-5.93E-05	-7.48E-03	-1.25E-02	-4.65E-03	-7.75E-04	-7.23E-03	-2.41E-04	-4.27E+00	-3.56E-02
138	371769	758261	Residential	8.51E-01	3.87E-05	-1.21E-03	-6.03E-03	-7.42E-02	-3.53E-04	-5.76E-03	-5.76E-05	-7.23E-03	-1.21E-02	-4.52E-03	-7.53E-04	-6.99E-03	-2.33E-04	-4.15E+00	-3.45E-02
139	371822	758189	Residential	-5.05E-01	-2.29E-05	-9.20E-04	-4.60E-03	-6.52E-02	-3.11E-04	-4.39E-03	-4.39E-05	-5.52E-03	-9.20E-03	-3.51E-03	-5.85E-04	-5.34E-03	-1.78E-04	-3.22E+00	-2.68E-02
140	371894	758160	Residential	-1.55E+00	-7.06E-05	-1.10E-03	-5.50E-03	-9.65E-02	-4.60E-04	-5.46E-03	-5.46E-05	-6.60E-03	-1.10E-02	-4.33E-03	-7.22E-04	-6.38E-03	-2.13E-04	-3.97E+00	-3.31E-02
141	371894	758081	Residential	-2.89E+00	-1.31E-04	-1.23E-03	-6.17E-03	-1.12E-01	-5.31E-04	-6.13E-03	-6.13E-05	-7.41E-03	-1.23E-02	-4.88E-03	-8.14E-04	-7.16E-03	-2.39E-04	-4.47E+00	-3.73E-02
142	371959	758074	Residential	-2.69E+00	-1.22E-04	-1.34E-03	-6.72E-03	-1.03E-01	-4.90E-04	-6.53E-03	-6.53E-05	-8.06E-03	-1.34E-02	-5.18E-03	-8.63E-04	-7.79E-03	-2.60E-04	-4.75E+00	-3.96E-02
155	372055	757363	Residential	-1.86E+00	-8.44E-05	-1.19E-03	-5.97E-03	-1.11E-01	-5.27E-04	-5.97E-03	-5.97E-05	-7.16E-03	-1.19E-02	-4.74E-03	-7.90E-04	-6.92E-03	-2.31E-04	-4.34E+00	-3.62E-02
297	370239	755427	Residential	1.40E+00	6.38E-05	-3.31E-03	-1.65E-02	-2.30E-01	-1.09E-03	-1.59E-02	-1.59E-04	-1.98E-02	-3.31E-02	-1.26E-02	-2.10E-03	-1.92E-02	-6.39E-04	-1.15E+01	-9.62E-02
298	370138	755427	Residential	3.31E+00	1.50E-04	-3.27E-03	-1.63E-02	-2.22E-01	-1.06E-03	-1.56E-02	-1.56E-04	-1.96E-02	-3.27E-02	-1.24E-02	-2.07E-03	-1.90E-02	-6.32E-04	-1.14E+01	-9.48E-02
299	370040	755427	Residential	-4.29E+00	-1.95E-04	-2.79E-03	-1.39E-02	-1.92E-01	-9.12E-04	-1.34E-02	-1.34E-04	-1.67E-02	-2.79E-02	-1.06E-02	-1.77E-03	-1.62E-02	-5.39E-04	-9.72E+00	-8.10E-02
300	369941	755426	Residential	-3.05E+00	-1.39E-04	-3.47E-03	-1.74E-02	-2.40E-01	-1.14E-03	-1.71E-02	-1.71E-04	-2.08E-02	-3.47E-02	-1.32E-02	-2.20E-03	-2.01E-02	-6.71E-04	-1.21E+01	-1.01E-01
301	369842	755426	Residential	-2.19E+00	-9.95E-05	-2.59E-03	-1.29E-02	-1.83E-01	-8.73E-04	-1.27E-02	-1.27E-04	-1.55E-02	-2.59E-02	-9.87E-03	-1.65E-03	-1.50E-02	-5.00E-04	-9.06E+00	-7.55E-02
304	369544	755434	Residential	-4.79E+00	-2.18E-04	-3.23E-03	-1.62E-02	-2.32E-01	-1.11E-03	-1.62E-02	-1.62E-04	-1.94E-02	-3.23E-02	-1.24E-02	-2.06E-03	-1.88E-02	-6.25E-04	-1.13E+01	-9.45E-02
305	369445	755434	Residential	-2.84E+00	-1.29E-04	-2.89E-03	-1.44E-02	-2.05E-01	-9.76E-04	-1.45E-02	-1.45E-04	-1.73E-02	-2.89E-02	-1.10E-02	-1.84E-03	-1.68E-02	-5.59E-04	-1.01E+01	-8.43E-02
306	369346	755434	Residential	-2.28E+00	-1.03E-04	-3.40E-03	-1.70E-02	-2.37E-01	-1.13E-03	-1.70E-02	-1.70E-04	-2.04E-02	-3.40E-02	-1.30E-02	-2.16E-03	-1.97E-02	-6.58E-04	-1.19E+01	-9.90E-02
310	368953	755441	Residential	-1.97E+00	-8.97E-05	-1.62E-03	-8.12E-03	-1.12E-01	-5.33E-04	-7.98E-03	-7.98E-05	-9.74E-03	-1.62E-02	-6.17E-03	-1.03E-03	-9.42E-03	-3.14E-04	-5.66E+00	-4.72E-02
311	368854	755441	Residential	-2.27E+00	-1.03E-04	-2.22E-03	-1.11E-02	-1.56E-01	-7.44E-04	-1.11E-02	-1.11E-04	-1.33E-02	-2.22E-02	-8.48E-03	-1.41E-03	-1.29E-02	-4.30E-04	-7.77E+00	-6.48E-02
312	368755	755441	Residential	-2.17E+00	-9.85E-05	-2.04E-03	-1.02E-02	-1.44E-01	-6.84E-04	-1.00E-02	-1.00E-04	-1.22E-02	-2.04E-02	-7.77E-03	-1.29E-03	-1.18E-02	-3.94E-04	-7.12E+00	-5.94E-02
313	368657	755441	Residential	-1.70E+00	-7.74E-05	-1.76E-03	-8.81E-03	-1.25E-01	-5.93E-04	-8.69E-03	-8.69E-05	-1.06E-02	-1.76E-02	-6.72E-03	-1.12E-03	-1.02E-02	-3.41E-04	-6.16E+00	-5.14E-02
314	368558	755440	Residential	-1.62E+00	-7.34E-05	-1.46E-03	-7.31E-03	-1.04E-01	-4.93E-04	-7.15E-03	-7.15E-05	-8.77E-03	-1.46E-02	-5.58E-03	-9.30E-04	-8.48E-03	-2.83E-04	-5.12E+00	-4.26E-02
315	368459	755440	Residential	-5.87E-01	-2.67E-05	-1.14E-03	-5.69E-03	-8.05E-02	-3.83E-04	-5.48E-03	-5.48E-05	-6.82E-03	-1.14E-02	-4.34E-03	-7.23E-04	-6.60E-03	-2.20E-04	-3.98E+00	-3.32E-02
316	368360	755440	Residential	-2.06E-01	-9.38E-06	-8.11E-04	-4.05E-03	-5.59E-02	-2.66E-04	-3.79E-03	-3.79E-05	-4.87E-03	-8.11E-03	-3.08E-03	-5.14E-04	-4.70E-03	-1.57E-04	-2.83E+00	-2.36E-02
317	368262	755439	Residential	-1.68E-01	-7.65E-06	-1.18E-03	-5.90E-03	-8.37E-02	-3.99E-04	-5.72E-03	-5.72E-05	-7.08E-03	-1.18E-02	-4.50E-03	-7.51E-04	-6.85E-03	-2.28E-04	-4.13E+00	-3.44E-02
318	368186	755427	Residential	-2.50E-01	-1.14E-05	-1.36E-03	-6.79E-03	-9.70E-02	-4.62E-04	-6.65E-03	-6.65E-05	-8.15E-03	-1.36E-02	-5.18E-03	-8.64E-04	-7.87E-03	-2.62E-04	-4.76E+00	-3.96E-02
319	368111	755414	Residential	-2.94E-01	-1.34E-05	-1.48E-03	-7.41E-03	-1.06E-01	-5.05E-04	-7.31E-03	-7.31E-05	-8.89E-03	-1.48E-02	-5.66E-03	-9.43E-04	-8.59E-03	-2.86E-04	-5.19E+00	-4.33E-02
46	367504	757948	School	9.99E-01	4.54E-05	-1.02E-03	-5.08E-03	-7.25E-02	-3.45E-04	-4.82E-03	-4.82E-05	-6.10E-03	-1.02E-02	-3.88E-03	-6.46E-04	-5.89E-03	-1.96E-04	-3.56E+00	-2.96E-02
47	367544	757873	School	4.91E-01	2.23E-05	-1.18E-03	-5.88E-03	-8.63E-02	-4.11E-04	-5.67E-03	-5.67E-05	-7.06E-03	-1.18E-02	-4.51E-03	-7.51E-04	-6.82E-03	-2.27E-04	-4.13E+00	-3.44E-02
48	367587	757909	School	1.00E+00	4.55E-05	-1.09E-03	-5.44E-03	-7.83E-02	-3.73E-04	-5.18E-03	-5.18E-05	-6.53E-03	-1.09E-02	-4.16E-03	-6.93E-04	-6.31E-03	-2.10E-04	-3.81E+00	-3.18E-02
49	367623	757866	School	6.72E-01	3.05E-05	-1.16E-03	-5.82E-03	-8.54E-02	-4.07E-04	-5.59E-03	-5.59E-05	-6.99E-03	-1.16E-02	-4.46E-03	-7.44E-04	-6.76E-03	-2.25E-04	-4.09E+00	-3.41E-02
50	367694	757866	School	8.87E-01	4.03E-05	-1.16E-03	-5.81E-03	-8.42E-02	-4.01E-04	-5.54E-03	-5.54E-05	-6.97E-03	-1.16E-02	-4.44E-03	-7.41E-04	-6.74E-03	-2.25E-04	-4.08E+00	-3.40E-02
51	367716	757927	School	5.27E-01	2.40E-05	-1.18E-03	-5.92E-03	-8.49E-02	-4.04E-04	-5.63E-03	-5.63E-05	-7.11E-03	-1.18E-02	-4.53E-03	-7.54E-04	-6.87E-03	-2.29E-04	-4.15E+00	-3.46E-02
52	367737	757988	School	-1.80E-01	-8.19E-06	-1.21E-03	-6.06E-03	-8.49E-02	-4.04E-04	-5.77E-03	-5.77E-05	-7.27E-03	-1.21E-02	-4.62E-03	-7.69E-04	-7.03E-03	-2.34E-04	-4.23E+00	-3.53E-02
53	367727	758067	School	-7.62E-01	-3.46E-05	-1.18E-03	-5.90E-03	-8.19E-02	-3.90E-04	-5.64E-03	-5.64E-05	-7.08E-03	-1.18E-02	-4.49E-03	-7.48E-04	-6.85E-03	-2.28E-04	-4.12E+00	-3.43E-02
54	367716	758146	School	-4.27E-01	-1.94E-05	-1.20E-03	-6.01E-03	-8.40E-02	-4.00E-04	-5.81E-03	-5.81E-05	-7.21E-03	-1.20E-02	-4.58E-03	-7.63E-04	-6.97E-03	-2.32E-04	-4.20E+00	-3.50E-02
56	367723	758254	School	-2.59E-02	-1.18E-06	-9.44E-04	-4.72E-03	-6.95E-02	-3.31E-04	-4.55E-03	-4.55E-05	-5.67E-03	-9.44E-03	-3.62E-03	-6.03E-04	-5.48E-03	-1.83E-04	-3.32E+00	-2.77E-02
57	367784	758221	School	-9.69E-02	-4.41E-06	-9.83E-04	-4.91E-03	-7.18E-02	-3.42E-04	-4.73E-03	-4.73E-05	-5.90E-03	-9.83E-03	-3.76E-03	-6.27E-04	-5.70E-03	-1.90E-04	-3.45E+00	-2.88E-02
58	367845	758189	School	-2.19E-01	-9.97E-06	-1.02E-03	-5.10E-03	-7.42E-02	-3.53E-04	-4.90E-03	-4.90E-05	-6.12E-03	-1.02E-02	-3.90E-03	-6.51E-04	-5.92E-03	-1.97E-04	-3.58E+00	-2.98E-02
106	370247	758254	School	-3.64E+00	-1.65E-04	-2.83E-03	-1.42E-02	-1.99E-01	-9.45E-04	-1.43E-02	-1.43E-04	-1.70E-02	-2.83E-02	-1.08E-02	-1.80E-03	-1.64E-02	-5.47E-04	-9.89E+00	-8.24E-02
107	370250	758189	School	-3.94E+00	-1.79E-04	-3.17E-03	-1.58E-02	-2.23E-01	-1.06E-03	-1.60E-02	-1.60E-04	-1.90E-02	-3.17E-02	-1.21E-02	-2.01E-03	-1.84E-02	-6.13E-04	-1.11E+01	-9.23E-02
108	370308	758196	School	-3.42E+00	-1.56E-04	-3.96E-03	-1.98E-02	-2.78E-01	-1.32E-03	-2.00E-02	-2.00E-04	-2.38E-02	-3.96E-02	-1.51E-02	-2.51E-03	-2.30E-02	-7.65E-04	-1.38E+01	-1.15E-01
109	370361	758236	School	-4.43E+00	-2.01E-04	-4.16E-03	-2.08E-02	-2.93E-01	-1.39E-03	-2.10E-02	-2.10E-04	-2.50E-02	-4.16E-02	-1.59E-02	-2.64E-03	-2.41E-02	-8.04E-04	-1.45E+01	-1.21E-01
110	370415	758275	School	-5.19E+00	-2.36E-04	-3.81E-03	-1.90E-02	-2.68E-01	-1.28E-03	-1.93E-02	-1.93E-04	-2.28E-02	-3.81E-02	-1.45E-02	-2.42E-03	-2.21E-02	-7.36E-04	-1.33E+01	-1.11E-01

Table 3-7B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 6, Horizon Year 2025 - Maximum Range
Construction and Operations TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m^3)	xylene, total Acute Hazard	arsenic (µg/m^3)	arsenic Acute Hazard	chlorine (µg/m^3)	chlorine Acute Hazard	copper (µg/m^3)	copper Acute Hazard	mercury (µg/m^3)	mercury Acute Hazard	nickel (µg/m^3)	nickel Acute Hazard	vanadium (µg/m^3)	vanadium Acute Hazard	sulfates (µg/m^3)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
302	369741	755435	School	-5.67E+00	-2.58E-04	-1.34E-03	-6.70E-03	-9.57E-02	-4.56E-04	-6.42E-03	-6.42E-05	-8.04E-03	-1.34E-02	-5.12E-03	-8.53E-04	-7.78E-03	-2.59E-04	-4.70E+00	-3.91E-02
303	369643	755434	School	-1.75E+00	-7.96E-05	-1.39E-03	-6.96E-03	-1.01E-01	-4.83E-04	-6.80E-03	-6.80E-05	-8.35E-03	-1.39E-02	-5.33E-03	-8.88E-04	-8.07E-03	-2.69E-04	-4.89E+00	-4.07E-02

Note: Shaded cells indicate locations where concentrations were highest within each land use category.

Table 3-8A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 7, Horizon Year 2025 - Maximum Range Construction and Operation TAC Concentrations

Receptor Location	acetaldehyde (µg/m³)	acrolein (µg/m³)	benzene (µg/m³)	formaldehyde (µg/m³)	methyl alcohol (µg/m³)	methyl ethyl ketone (µg/m³)	phenol (carbolic acid) (µg/m³)	styrene (µg/m³)	toluene (µg/m³)	xylene, total (µg/m³)	arsenic (µg/m³)	chlorine (µg/m³)	copper (µg/m³)	mercury (µg/m³)	nickel (µg/m³)	vanadium (µg/m³)	sulfates (µg/m³)
Commercial - Onsite																	
Maximum Onsite Concentration-->	-1.85E+00	1.84E+00	-5.75E+00	-1.62E+00	1.21E+00	-1.02E+00	5.79E-01	-4.20E-02	-1.11E+01	-9.82E+00	-3.73E-03	-2.35E-01	-1.82E-02	-2.24E-02	-1.40E-02	-2.16E-02	-1.29E+01
Commercial - Offsite																	
Maximum Offsite Concentration-->	6.83E+00	4.36E+00	9.73E+00	2.17E+01	3.22E+00	-2.79E-02	1.31E+00	7.80E-01	1.15E+01	1.08E+01	2.32E-03	1.84E-01	1.29E-02	1.39E-02	9.00E-03	1.35E-02	8.25E+00
Average Offsite Concentration-->	2.37E+00	1.99E+00	5.57E-01	7.94E+00	1.46E+00	-2.24E-01	6.00E-01	2.19E-01	-1.01E+00	-8.71E-01	-1.83E-03	-1.28E-01	-8.89E-03	-1.10E-02	-6.95E-03	-1.06E-02	-6.38E+00
Minimum Offsite Concentration-->	-1.40E+00	1.61E-02	-4.62E+00	-3.34E+00	-1.01E-01	-6.85E-01	1.49E-02	-1.80E-01	-7.50E+00	-6.79E+00	-1.11E-02	-7.74E-01	-5.61E-02	-6.64E-02	-4.21E-02	-6.42E-02	-3.87E+01
Recreational																	
Maximum Offsite Concentration-->	4.79E+00	3.14E+00	2.64E+00	1.45E+01	2.33E+00	-9.54E-02	9.38E-01	4.12E-01	1.84E+00	1.71E+00	-4.21E-04	-2.63E-02	-1.77E-03	-2.53E-03	-1.58E-03	-2.44E-03	-1.45E+00
Average Offsite Concentration-->	2.81E+00	2.00E+00	1.11E+00	8.89E+00	1.47E+00	-1.36E-01	5.99E-01	2.41E-01	-8.43E-02	-6.75E-02	-9.61E-04	-6.61E-02	-4.60E-03	-5.77E-03	-3.65E-03	-5.57E-03	-3.35E+00
Minimum Offsite Concentration-->	1.42E+00	1.33E+00	-4.37E-01	5.14E+00	9.56E-01	-2.02E-01	4.02E-01	1.16E-01	-2.22E+00	-2.06E+00	-1.61E-03	-1.08E-01	-7.73E-03	-9.65E-03	-6.09E-03	-9.33E-03	-5.59E+00
Residential																	
Maximum Offsite Concentration-->	9.24E+00	6.01E+00	4.49E+00	2.77E+01	4.43E+00	-9.62E-02	1.79E+00	7.34E-01	3.63E+00	3.32E+00	-6.37E-04	-4.35E-02	-2.95E-03	-3.82E-03	-2.42E-03	-3.70E-03	-2.22E+00
Average Offsite Concentration-->	3.21E+00	2.39E+00	6.03E-01	9.99E+00	1.74E+00	-1.93E-01	7.16E-01	2.61E-01	-1.20E+00	-1.11E+00	-1.79E-03	-1.26E-01	-8.78E-03	-1.07E-02	-6.81E-03	-1.04E-02	-6.25E+00
Minimum Offsite Concentration-->	-1.57E+00	-9.85E-02	-3.70E+00	-3.66E+00	-1.46E-01	-4.48E-01	-1.84E-02	-1.40E-01	-6.24E+00	-5.73E+00	-3.89E-03	-2.71E-01	-1.95E-02	-2.33E-02	-1.48E-02	-2.26E-02	-1.36E+01
School																	
Maximum Offsite Concentration-->	5.58E+00	3.63E+00	3.04E+00	1.68E+01	2.70E+00	-1.35E-01	1.08E+00	4.79E-01	1.64E+00	1.48E+00	-9.74E-04	-6.92E-02	-4.54E-03	-5.84E-03	-3.72E-03	-5.65E-03	-3.41E+00
Average Offsite Concentration-->	2.78E+00	2.13E+00	3.25E-01	8.69E+00	1.55E+00	-1.92E-01	6.41E-01	2.24E-01	-1.42E+00	-1.31E+00	-1.80E-03	-1.28E-01	-8.83E-03	-1.08E-02	-6.86E-03	-1.04E-02	-6.29E+00
Minimum Offsite Concentration-->	-6.10E-01	3.95E-01	-3.40E+00	-9.92E-01	2.04E-01	-2.64E-01	1.27E-01	-9.46E-02	-5.97E+00	-5.51E+00	-4.16E-03	-2.92E-01	-2.10E-02	-2.50E-02	-1.59E-02	-2.41E-02	-1.45E+01
CalEPA Acute REL	470	2.5	1300	55	28000	13000	5800	21000	37000	22000	0.2	210	100	0.6	6	30	120
Commercial - Onsite																	
Onsite Maximum Acute Hazard-->	-3.93E-03	7.34E-01	-4.43E-03	-2.95E-02	4.33E-05	-7.87E-05	9.98E-05	-2.00E-06	-2.99E-04	-4.46E-04	-1.86E-02	-1.12E-03	-1.82E-04	-3.73E-02	-2.34E-03	-7.21E-04	-1.07E-01
Commercial - Offsite																	
Offsite Maximum Acute Hazard-->	1.45E-02	1.75E+00	7.48E-03	3.94E-01	1.15E-04	-2.15E-06	2.27E-04	3.71E-05	3.12E-04	4.93E-04	1.16E-02	8.75E-04	1.29E-04	2.32E-02	1.50E-03	4.49E-04	6.88E-02
Offsite Average Acute Hazard-->	5.04E-03	7.96E-01	4.28E-04	1.44E-01	5.21E-05	-1.72E-05	1.03E-04	1.04E-05	-2.74E-05	-3.96E-05	-9.13E-03	-6.09E-04	-8.89E-05	-1.83E-02	-1.16E-03	-3.53E-04	-5.32E-02
Offsite Minimum Acute Hazard-->	-2.99E-03	6.44E-03	-3.56E-03	-6.08E-02	-3.62E-06	-5.27E-05	2.57E-06	-8.59E-06	-2.03E-04	-3.09E-04	-5.53E-02	-3.69E-03	-5.61E-04	-1.11E-01	-7.02E-03	-2.14E-03	-3.22E-01
Recreational																	
Offsite Maximum Acute Hazard-->	1.02E-02	1.26E+00	2.03E-03	2.63E-01	8.34E-05	-7.34E-06	1.62E-04	1.96E-05	4.98E-05	7.79E-05	-2.10E-03	-1.25E-04	-1.77E-05	-4.21E-03	-2.63E-04	-8.14E-05	-1.21E-02
Offsite Average Acute Hazard-->	5.99E-03	7.99E-01	8.50E-04	1.62E-01	5.27E-05	-1.05E-05	1.03E-04	1.15E-05	-2.28E-06	-3.07E-06	-4.81E-03	-3.15E-04	-4.60E-05	-9.61E-03	-6.09E-04	-1.86E-04	-2.79E-02
Offsite Minimum Acute Hazard-->	3.02E-03	5.33E-01	-3.36E-04	9.34E-02	3.41E-05	-1.56E-05	6.94E-05	5.54E-06	-5.99E-05	-9.38E-05	-8.04E-03	-5.14E-04	-7.73E-05	-1.61E-02	-1.01E-03	-3.11E-04	-4.65E-02
Residential																	
Offsite Maximum Acute Hazard-->	1.97E-02	2.40E+00	3.46E-03	5.03E-01	1.58E-04	-7.40E-06	3.09E-04	3.50E-05	9.82E-05	1.51E-04	-3.19E-03	-2.07E-04	-2.95E-05	-6.37E-03	-4.03E-04	-1.23E-04	-1.85E-02
Offsite Average Acute Hazard-->	6.84E-03	9.55E-01	4.64E-04	1.82E-01	6.23E-05	-1.48E-05	1.23E-04	1.24E-05	-3.23E-05	-5.05E-05	-8.93E-03	-6.01E-04	-8.78E-05	-1.79E-02	-1.13E-03	-3.45E-04	-5.21E-02
Offsite Minimum Acute Hazard-->	-3.35E-03	-3.94E-02	-2.84E-03	-6.65E-02	-5.22E-06	-3.45E-05	-3.17E-06	-6.66E-06	-1.69E-04	-2.60E-04	-1.95E-02	-1.29E-03	-1.95E-04	-3.89E-02	-2.47E-03	-7.52E-04	-1.13E-01
School																	
Offsite Maximum Acute Hazard-->	1.19E-02	1.45E+00	2.34E-03	3.05E-01	9.63E-05	-1.04E-05	1.87E-04	2.28E-05	4.43E-05	6.71E-05	-4.87E-03	-3.29E-04	-4.54E-05	-9.74E-03	-6.19E-04	-1.88E-04	-2.84E-02
Offsite Average Acute Hazard-->	5.91E-03	8.54E-01	2.50E-04	1.58E-01	5.55E-05	-1.48E-05	1.10E-04	1.07E-05	-3.84E-05	-5.95E-05	-8.98E-03	-6.10E-04	-8.83E-05	-1.80E-02	-1.14E-03	-3.47E-04	-5.24E-02
Offsite Minimum Acute Hazard-->	-1.30E-03	1.58E-01	-2.61E-03	-1.80E-02	7.29E-06	-2.03E-05	2.19E-05	-4.51E-06	-1.61E-04	-2.50E-04	-2.08E-02	-1.39E-03	-2.10E-04	-4.16E-02	-2.64E-03	-8.04E-04	-1.21E-01

Table 3-8A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 7, Horizon Year 2025 - Maximum Range Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
117	370814	758243	Offsite Worker	1.34E+00	1.44E+00	-8.11E-01	4.72E+00	1.02E+00	-2.37E-01	4.35E-01	1.11E-01	-2.64E+00	-2.39E+00	-1.79E-03	-1.28E-01	-8.89E-03	-1.07E-02	-6.83E-03	-1.04E-02	-6.27E+00
118	370810	758153	Offsite Worker	1.43E+00	1.51E+00	-7.56E-01	5.02E+00	1.08E+00	-2.45E-01	4.58E-01	1.20E-01	-2.61E+00	-2.37E+00	-2.06E-03	-1.48E-01	-1.02E-02	-1.23E-02	-7.86E-03	-1.19E-02	-7.21E+00
119	370807	758063	Offsite Worker	1.96E+00	1.83E+00	-3.22E-01	6.61E+00	1.32E+00	-2.48E-01	5.51E-01	1.69E-01	-2.20E+00	-1.99E+00	-2.35E-03	-1.69E-01	-1.17E-02	-1.41E-02	-8.98E-03	-1.36E-02	-8.23E+00
120	370803	757974	Offsite Worker	2.48E+00	2.18E+00	-4.69E-01	8.17E+00	1.57E+00	-2.66E-01	6.56E-01	1.98E-01	-2.72E+00	-2.49E+00	-2.75E-03	-1.97E-01	-1.36E-02	-1.65E-02	-1.05E-02	-1.59E-02	-9.62E+00
121	370835	757927	Offsite Worker	3.30E+00	2.51E+00	-6.42E-01	1.03E+01	1.80E+00	-2.21E-01	7.54E-01	2.24E-01	-3.23E+00	-3.04E+00	-3.00E-03	-2.12E-01	-1.49E-02	-1.80E-02	-1.15E-02	-1.74E-02	-1.05E+01
122	370868	757880	Offsite Worker	3.13E+00	2.44E+00	4.08E-02	9.94E+00	1.77E+00	-2.30E-01	7.33E-01	2.44E-01	-2.11E+00	-1.96E+00	-2.70E-03	-1.90E-01	-1.33E-02	-1.62E-02	-1.03E-02	-1.56E-02	-9.43E+00
123	370921	757884	Offsite Worker	3.18E+00	2.45E+00	-1.66E-01	1.00E+01	1.77E+00	-2.23E-01	7.38E-01	2.36E-01	-2.51E+00	-2.32E+00	-3.04E-03	-2.11E-01	-1.50E-02	-1.83E-02	-1.16E-02	-1.76E-02	-1.06E+01
124	370975	757887	Offsite Worker	3.46E+00	2.65E+00	3.41E-01	1.09E+01	1.93E+00	-2.36E-01	7.96E-01	2.76E-01	-1.85E+00	-1.71E+00	-2.81E-03	-1.94E-01	-1.38E-02	-1.69E-02	-1.07E-02	-1.63E-02	-9.80E+00
125	370975	757794	Offsite Worker	4.49E+00	3.32E+00	1.63E+00	1.41E+01	2.44E+00	-2.64E-01	9.95E-01	3.93E-01	-4.18E-01	-3.70E-01	-2.10E-03	-1.45E-01	-9.99E-03	-1.26E-02	-7.97E-03	-1.22E-02	-7.31E+00
126	371026	757794	Offsite Worker	4.80E+00	3.55E+00	1.18E+00	1.50E+01	2.60E+00	-2.84E-01	1.06E+00	3.99E-01	-1.31E+00	-1.21E+00	-1.98E-03	-1.40E-01	-9.35E-03	-1.19E-02	-7.56E-03	-1.15E-02	-6.94E+00
127	371076	757877	Offsite Worker	4.46E+00	3.24E+00	1.54E+00	1.39E+01	2.39E+00	-2.42E-01	9.71E-01	3.82E-01	-4.95E-01	-4.52E-01	-2.01E-03	-1.44E-01	-9.64E-03	-1.21E-02	-7.70E-03	-1.17E-02	-7.06E+00
128	371126	757959	Offsite Worker	4.25E+00	3.02E+00	1.81E+00	1.32E+01	2.23E+00	-2.07E-01	9.05E-01	3.71E-01	1.12E-01	1.16E-01	-2.00E-03	-1.42E-01	-9.64E-03	-1.20E-02	-7.63E-03	-1.16E-02	-7.00E+00
129	371119	758031	Offsite Worker	3.43E+00	2.60E+00	1.28E+00	1.08E+01	1.92E+00	-2.24E-01	7.81E-01	3.09E-01	-3.42E-01	-2.84E-01	-1.84E-03	-1.31E-01	-8.89E-03	-1.10E-02	-7.01E-03	-1.06E-02	-6.43E+00
143	371953	757977	Offsite Worker	1.40E+00	1.94E+00	-1.63E-01	5.57E+00	1.41E+00	-4.01E-01	5.88E-01	1.87E-01	-2.08E+00	-1.78E+00	-1.34E-03	-9.46E-02	-6.38E-03	-8.04E-03	-5.11E-03	-7.77E-03	-4.69E+00
144	371948	757880	Offsite Worker	1.91E+00	1.97E+00	-3.33E-01	6.66E+00	1.42E+00	-3.09E-01	5.95E-01	1.83E-01	-2.35E+00	-2.10E+00	-9.64E-04	-7.02E-02	-4.51E-03	-5.79E-03	-3.69E-03	-5.59E-03	-3.39E+00
145	371943	757783	Offsite Worker	9.02E-01	1.72E+00	-2.26E+00	4.07E+00	1.20E+00	-4.26E-01	5.24E-01	8.30E-02	-5.12E+00	-4.66E+00	-1.42E-03	-1.07E-01	-6.88E-03	-8.53E-03	-5.47E-03	-8.25E-03	-5.01E+00
146	372016	757794	Offsite Worker	9.94E-01	1.63E+00	-2.19E+00	4.13E+00	1.13E+00	-3.75E-01	4.96E-01	7.59E-02	-4.95E+00	-4.52E+00	-1.45E-03	-1.06E-01	-7.04E-03	-8.71E-03	-5.56E-03	-8.42E-03	-5.10E+00
147	372102	757791	Offsite Worker	1.01E+00	1.54E+00	-2.14E+00	4.03E+00	1.06E+00	-3.40E-01	4.68E-01	6.85E-02	-4.82E+00	-4.40E+00	-1.47E-03	-1.05E-01	-7.16E-03	-8.83E-03	-5.62E-03	-8.53E-03	-5.15E+00
148	372178	757760	Offsite Worker	8.76E-01	1.51E+00	-1.50E+00	3.81E+00	1.07E+00	-3.58E-01	4.62E-01	9.18E-02	-3.82E+00	-3.43E+00	-1.37E-03	-9.77E-02	-6.68E-03	-8.22E-03	-5.23E-03	-7.94E-03	-4.80E+00
149	372177	757670	Offsite Worker	1.41E+00	1.73E+00	-7.74E-01	5.28E+00	1.24E+00	-3.25E-01	5.24E-01	1.41E-01	-2.87E+00	-2.56E+00	-1.51E-03	-1.09E-01	-7.44E-03	-9.07E-03	-5.78E-03	-8.77E-03	-5.30E+00
150	372176	757579	Offsite Worker	1.58E+00	1.94E+00	-2.58E-01	6.01E+00	1.40E+00	-3.64E-01	5.88E-01	1.82E-01	-2.27E+00	-1.97E+00	-1.12E-03	-8.94E-02	-5.47E-03	-6.72E-03	-4.34E-03	-6.49E-03	-3.98E+00
151	372174	757489	Offsite Worker	1.59E+00	1.97E+00	-4.04E-01	6.12E+00	1.43E+00	-3.74E-01	5.98E-01	1.80E-01	-2.51E+00	-2.20E+00	-7.96E-04	-6.40E-02	-3.79E-03	-4.78E-03	-3.09E-03	-4.62E-03	-2.84E+00
152	372173	757398	Offsite Worker	1.80E+00	1.86E+00	2.01E-01	6.50E+00	1.36E+00	-2.93E-01	5.63E-01	1.92E-01	-1.47E+00	-1.25E+00	-1.02E-03	-8.46E-02	-4.95E-03	-6.14E-03	-3.99E-03	-5.94E-03	-3.66E+00
153	372171	757308	Offsite Worker	3.00E+00	2.28E+00	1.60E+00	9.82E+00	1.70E+00	-1.99E-01	6.87E-01	2.89E-01	3.64E-01	4.09E-01	-9.83E-04	-6.82E-02	-4.55E-03	-5.90E-03	-3.74E-03	-5.70E-03	-3.43E+00
154	372055	757309	Offsite Worker	2.32E+00	2.15E+00	5.52E-01	8.15E+00	1.58E+00	-2.92E-01	6.51E-01	2.35E-01	-1.21E+00	-1.01E+00	-1.26E-03	-1.06E-01	-6.18E-03	-7.56E-03	-4.93E-03	-7.31E-03	-4.52E+00
156	372055	757416	Offsite Worker	1.27E+00	1.95E+00	-4.83E-01	5.49E+00	1.41E+00	-4.30E-01	5.92E-01	1.75E-01	-2.62E+00	-2.26E+00	-1.11E-03	-9.82E-02	-5.52E-03	-6.67E-03	-4.38E-03	-6.45E-03	-4.01E+00
157	371952	757442	Offsite Worker	2.49E+00	2.50E+00	1.36E-01	8.80E+00	1.82E+00	-3.82E-01	7.57E-01	2.54E-01	-2.12E+00	-1.85E+00	-1.32E-03	-9.07E-02	-6.37E-03	-7.91E-03	-5.01E-03	-7.64E-03	-4.59E+00
158	371950	757345	Offsite Worker	3.73E-01	1.71E+00	-1.19E+00	3.51E+00	1.22E+00	-5.29E-01	5.24E-01	1.24E-01	-3.55E+00	-3.07E+00	-1.44E-03	-1.39E-01	-7.32E-03	-8.65E-03	-5.77E-03	-8.36E-03	-5.29E+00
159	371864	757344	Offsite Worker	1.66E-01	1.86E+00	-9.91E-01	3.37E+00	1.34E+00	-6.23E-01	5.71E-01	1.48E-01	-3.37E+00	-2.84E+00	-1.41E-03	-1.33E-01	-7.10E-03	-8.47E-03	-5.62E-03	-8.19E-03	-5.15E+00
160	371790	757347	Offsite Worker	9.47E-01	2.13E+00	-7.81E-02	5.41E+00	1.56E+00	-5.60E-01	6.50E-01	2.10E-01	-2.18E+00	-1.76E+00	-1.33E-03	-1.07E-01	-6.52E-03	-8.00E-03	-5.18E-03	-7.73E-03	-4.75E+00
161	371708	757356	Offsite Worker	2.63E+00	2.62E+00	7.09E-01	9.56E+00	1.92E+00	-3.92E-01	7.91E-01	2.88E-01	-1.34E+00	-1.10E+00	-1.35E-03	-8.68E-02	-6.41E-03	-8.09E-03	-5.08E-03	-7.82E-03	-4.66E+00
162	371615	757356	Offsite Worker	3.60E+00	2.90E+00	1.14E+00	1.20E+01	2.13E+00	-2.96E-01	8.72E-01	3.32E-01	-8.96E-01	-7.56E-01	-1.49E-03	-8.44E-02	-7.00E-03	-8.92E-03	-5.52E-03	-8.63E-03	-5.07E+00
163	371523	757356	Offsite Worker	4.20E+00	3.18E+00	1.46E+00	1.36E+01	2.34E+00	-2.75E-01	9.56E-01	3.73E-01	-6.34E-01	-5.36E-01	-1.85E-03	-1.13E-01	-8.86E-03	-1.11E-02	-6.92E-03	-1.07E-02	-6.35E+00
164	371430	757356	Offsite Worker	4.68E+00	3.47E+00	1.91E+00	1.50E+01	2.56E+00	-2.76E-01	1.04E+00	4.19E-01	-1.62E-01	-1.05E-01	-2.24E-03	-1.57E-01	-1.10E-02	-1.34E-02	-8.54E-03	-1.30E-02	-7.83E+00
165	371338	757356	Offsite Worker	4.61E+00	3.58E+00	1.78E+00	1.50E+01	2.64E+00	-3.31E-01	1.08E+00	4.25E-01	-4.82E-01	-3.74E-01	-2.76E-03	-2.15E-01	-1.38E-02	-1.65E-02	-1.07E-02	-1.60E-02	-9.77E+00
166	371245	757356	Offsite Worker	4.00E+00	3.53E+00	1.16E+00	1.35E+01	2.59E+00	-4.37E-01	1.06E+00	3.97E-01	-1.43E+00	-1.20E+00	-3.48E-03	-2.74E-01	-1.75E-02	-2.09E-02	-1.35E-02	-2.02E-02	-1.23E+01
167	371153	757356	Offsite Worker	3.67E+00	3.52E+00	1.25E-01	1.26E+01	2.56E+00	-5.01E-01	1.06E+00	3.55E-01	-3.06E+00	-2.71E+00	-4.02E-03	-3.12E-01	-2.01E-02	-2.41E-02	-1.55E-02	-2.33E-02	-1.42E+01
168	371061	757356	Offsite Worker	4.07E+00	3.88E+00	-1.02E+00	1.38E+01	2.79E+00	-5.48E-01	1.17E+00	3.46E-01	-5.13E+00	-4.67E+00	-4.54E-03	-3.52E-01	-2.26E-02	-2.72E-02	-1.75E-02	-2.63E-02	-1.61E+01
169	371005	757357	Offsite Worker	4.72E+00	4.36E+00	-2.04E+00	1.57E+01	3.11E+00	-5.87E-01	1.31E+00	3.54E-01	-7.06E+00	-6.53E+00	-5.12E-03	-4.00E-01	-2.56E-02	-3.07E-02	-1.98E-02	-2.97E-02	-1.82E+01
170	370998	757293	Offsite Worker	2.69E+00	3.48E+00	-3.15E-01	1.05E+01	2.53E+00	-6.85E-01	1.06E+00	3.35E-01	-3.83E+00	-3.29E+00	-4.33E-03	-3.47E-01	-2.16E-02	-2.60E-02	-1.68E-02	-2.51E-02	-1.54E+01
171	370998	757194	Offsite Worker	4.90E+00	4.27E+00	4.29E+00	1.71E+01	3.22E+00	-5.16E-01	1.29E+00	5.94E-01	2.67E+00	2.75E+00	-2.10E-03	-1.63E-01	-9.99E-03	-1.26E-02	-8.13E-03	-1.22E-02	-7.45E+00
172	370998	757096	Offsite Worker	3.50E+00	3.59E+00	4.19E+00	1.36E+01	2.73E+00	-5.58E-01	1.09E+00	5.22E-01	3.00E+00	3.16E+00	-2.24E-03	-1.54E-01	-1.05E-02	-1.34E-02	-8.51E-03	-1.30E-02	-7.81E+00
173	370998	756998	Offsite Worker	3.80E-01	1.78E+00	-2.86E+00	3.86E+00	1.25E+00	-5.56E-01	5.70E-01	5.74E-02	-7.50E+00	-6.39E+00	-2.58E-03	-1.61E-01	-1.25E-02	-1.55E-02	-9.70E-03	-1.50E-02	-8.90E+00
174	371057	756997	Offsite Worker	1.44E+00	2.09E+00	-9.94E-01	6.76E+00	1.51E+00	-4.49E-01	6.50E-01	1.64E-01	-4.35E+00	-3.64E+00	-2.60E-03	-1.59E-01	-1.26E-02	-1.56E-02	-9.75E-03	-1.51E-02	-8.94E+00
175	371153	756997	Offsite Worker	8.15E-01	1.96E+00	-1.48E+00	5.28E+00	1.41E+00	-5.29E-01	6.10E-01	1.34E-01	-4.80E+00	-4.08E+00	-1.92E-03	-1.09E-01	-9.13E-03	-1.15E-02	-7.15E-03	-1.12E-02	-6.56E+00
176	371249	756997	Offsite Worker	8.82E-01	1.98E+00	-1.81E+00	5.38E+00	1.41E+00	-5.23E-01	6.17E-01	1.22E-01	-5.42E+00	-4.64E+00	-2.20E-03	-1.36E-01	-1.06E-02	-1.32E-02	-8.24E-03	-1.27E-02	-7.56E+00
177	371345	756997	Offsite Worker	2.14E+00	2.41E+00	-1.39E+00	8.56E+00	1.73E+00	-4.23E-01	7.45E-01	1.81E-01	-5.19E+00	-4.49E+00	-1.91E-03	-1.12E-01	-9.09E-03	-1.15E-02	-7.13E-03	-1.11E-02	-6.54E+00
178	371440	756997	Offsite Worker	3.65E+00	3.04E+00	7.44E-02	1.28E+01	2.21E+00	-3.37E-01	9.20E-01	3.03E-01	-2.94E+00	-2.60E+00	-1.79E-03	-1.01E-01	-8.38E-03	-1.07E-02	-6.64E-03	-1.04E-02	-6.09E+00
179	371536	756997	Offsite Worker	4.38E+00	3.30E+00	1.22E+00	1.48E+01	2.42E+00	-2.79E-01	9.93E-01	3.74E-01	-1.25E+00	-1.08E+00	-1.83E-03	-1.06E-01	-8.59E-03	-1.10E-02	-6.82E-03	-1.06E-02	-6.26E+00
180	371632	756997	Offsite Worker	4.66E+00	3.32E+00	2.18E+00	1.55E+01	2.46E+00	-2.28E-01	9.96E-01	4.14E-01	2.82E-01	3.27E-01	-1.76E-03	-1.05E-01	-8.26E-03	-1.05E-02	-6.56E-03	-1.02E-02	-6.02E+00
181	371728	756997	Offsite Worker	4.69E+00	3.22E+00	2.53E+00	1.55E+01	2.40E+00	-1.89E-01	9.66E-01	4.18E-01	9.60E-01	9.37E-01	-1.45E-03	-9.26E-02	-6.86E-03	-8.73E-03	-5.47E-03	-8.44E-03	-5.02E+00
182	371824	756997	Offsite Worker	4.01E+00	2.84E+00	1.89E+00	1.35E+01	2.11E+00	-1.91E-01	8.53E-01	3.55E-01	2.92E-01	3.21E-01	-1.36E-03	-8.29E-02	-6.36E-03	-8.14E-03	-5.08E-03	-7.87E-03	-4.66E+00
183	371920	756997	Offsite Worker	2.40E+00	2.00E+00	1.75E+00	9.02E+00	1.50E+00	-2.19E-01	6.04E-01	2.66E-01	7.25E-01	8.13E-01	-2.11E-04	9.79E-03	-2.18E-04	-1.26E-03	-6.28E-04	-1.22E-03	-5.79E-01
184	372016	756997	Offsite Worker	2.47E+00	1.99E+00	2.45E+00	9.22E+00	1.51E+00	-2.05E-01	6.02E-01	2.94E-01	1.82E+00	1.85E+00	3.63E-04	4.81E-02	2.74E-03	2.18E-03	1.54E-03	2.10E-03	1.41E+00
185	372111	756997	Offsite Worker	3.98E+00	2.69E+00	5.00E+00	1.35E+01	2.08E+00	-1.43E-01	8.07E-01	4.63E-01	5.23E+00	5.00E+00	8.07E-04	6.75E-02	4.95E-03	4.84E-03	3.15E-03	4.68E-03	2.89E+00
186	372207	756997	Offsite Worker	1.97E+00	1.66E+00	2.28E+00	7.75E+00	1.27E+00	-1.88E-01	5.04E-01	2.54E-01	1.84E+00	1.88E+00	2.22E-04	2.06E-02	1.76E-03	1.33E-03	8.83E-04	1.29E-03	8.09E-01

Table 3-8A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 7, Horizon Year 2025 - Maximum Range Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
187	372303	756997	Offsite Worker	3.24E+00	2.28E+00	3.52E+00	1.13E+01	1.75E+00	-1.49E-01	6.85E-01	3.64E-01	3.30E+00	3.19E+00	4.34E-04	4.23E-02	2.98E-03	2.61E-03	1.74E-03	2.52E-03	1.59E+00
188	372399	756997	Offsite Worker	4.21E+00	2.75E+00	5.07E+00	1.41E+01	2.13E+00	-1.18E-01	8.24E-01	4.72E-01	5.32E+00	5.06E+00	8.82E-04	7.58E-02	5.35E-03	5.29E-03	3.46E-03	5.12E-03	3.17E+00
189	372495	756997	Offsite Worker	6.54E+00	3.88E+00	9.36E+00	2.09E+01	3.06E+00	-4.61E-02	1.16E+00	7.54E-01	1.10E+01	1.04E+01	2.19E-03	1.73E-01	1.23E-02	1.32E-02	8.49E-03	1.27E-02	7.78E+00
190	372591	756997	Offsite Worker	6.83E+00	4.00E+00	9.73E+00	2.17E+01	3.15E+00	-2.79E-02	1.19E+00	7.80E-01	1.15E+01	1.08E+01	2.32E-03	1.84E-01	1.29E-02	1.39E-02	9.00E-03	1.35E-02	8.25E+00
191	372610	757063	Offsite Worker	6.14E+00	3.63E+00	8.96E+00	1.92E+01	2.87E+00	-3.91E-02	1.08E+00	7.13E-01	1.06E+01	1.00E+01	2.28E-03	1.77E-01	1.26E-02	1.37E-02	8.80E-03	1.32E-02	8.07E+00
192	372612	757132	Offsite Worker	3.97E+00	2.53E+00	4.14E+00	1.28E+01	1.94E+00	-8.96E-02	7.58E-01	4.14E-01	4.11E+00	3.89E+00	7.31E-04	6.68E-02	4.44E-03	4.39E-03	2.90E-03	4.24E-03	2.66E+00
193	372614	757201	Offsite Worker	1.32E+00	1.20E+00	5.18E-02	5.57E+00	8.72E-01	-1.56E-01	3.63E-01	1.20E-01	-1.12E+00	-9.75E-01	-7.02E-04	-4.12E-02	-3.21E-03	-4.21E-03	-2.62E-03	-4.07E-03	-2.40E+00
194	372616	757270	Offsite Worker	2.00E+00	1.54E+00	1.25E+00	7.04E+00	1.15E+00	-1.40E-01	4.65E-01	2.02E-01	4.64E-01	4.99E-01	-3.63E-04	-1.58E-02	-1.36E-03	-2.18E-03	-1.31E-03	-2.10E-03	-1.21E+00
195	372627	757351	Offsite Worker	2.27E+00	1.70E+00	1.90E+00	7.69E+00	1.28E+00	-1.39E-01	5.10E-01	2.43E-01	1.36E+00	1.34E+00	-1.28E-04	-4.25E-03	-1.59E-04	-7.70E-04	-4.55E-04	-7.44E-04	-4.18E-01
196	372651	757422	Offsite Worker	2.35E+00	1.73E+00	1.90E+00	7.83E+00	1.31E+00	-1.36E-01	5.21E-01	2.47E-01	1.33E+00	1.31E+00	-1.92E-04	-7.62E-03	-5.13E-04	-1.15E-03	-6.89E-04	-1.11E-03	-6.33E-01
197	372676	757494	Offsite Worker	2.64E+00	1.92E+00	1.91E+00	8.64E+00	1.44E+00	-1.45E-01	5.78E-01	2.66E-01	1.19E+00	1.17E+00	-5.93E-04	-3.92E-02	-2.63E-03	-3.56E-03	-2.24E-03	-3.44E-03	-2.06E+00
198	372704	757569	Offsite Worker	2.75E+00	1.99E+00	1.28E+00	8.85E+00	1.47E+00	-1.46E-01	5.96E-01	2.47E-01	1.60E-01	1.82E-01	-9.01E-04	-6.36E-02	-4.28E-03	-5.41E-03	-3.43E-03	-5.22E-03	-3.15E+00
199	372733	757645	Offsite Worker	2.43E+00	1.97E+00	4.84E-01	8.06E+00	1.44E+00	-2.05E-01	5.93E-01	2.15E-01	-1.05E+00	-9.38E-01	-9.71E-04	-6.94E-02	-4.70E-03	-5.83E-03	-3.71E-03	-5.63E-03	-3.40E+00
200	372746	757702	Offsite Worker	2.02E+00	1.83E+00	6.49E-02	6.93E+00	1.33E+00	-2.37E-01	5.51E-01	1.84E-01	-1.59E+00	-1.42E+00	-8.90E-04	-6.51E-02	-4.32E-03	-5.34E-03	-3.41E-03	-5.16E-03	-3.13E+00
201	372746	757768	Offsite Worker	1.54E+00	1.61E+00	-2.21E-01	5.51E+00	1.17E+00	-2.57E-01	4.88E-01	1.51E-01	-1.87E+00	-1.66E+00	-1.05E-03	-7.87E-02	-5.21E-03	-6.33E-03	-4.05E-03	-6.11E-03	-3.71E+00
202	372807	757781	Offsite Worker	1.65E+00	1.63E+00	-1.02E-01	5.80E+00	1.18E+00	-2.42E-01	4.92E-01	1.58E-01	-1.69E+00	-1.50E+00	-9.51E-04	-6.96E-02	-4.67E-03	-5.70E-03	-3.64E-03	-5.51E-03	-3.34E+00
203	372901	757782	Offsite Worker	1.93E+00	1.69E+00	2.03E-01	6.83E+00	1.23E+00	-2.06E-01	5.10E-01	1.76E-01	-1.26E+00	-1.12E+00	-5.39E-04	-3.05E-02	-2.45E-03	-3.24E-03	-2.00E-03	-3.13E-03	-1.84E+00
204	372994	757783	Offsite Worker	2.21E+00	1.75E+00	5.11E-01	7.60E+00	1.29E+00	-1.72E-01	5.28E-01	1.94E-01	-8.23E-01	-7.29E-01	-8.22E-04	-4.81E-02	-3.90E-03	-4.93E-03	-3.06E-03	-4.77E-03	-2.81E+00
205	373087	757783	Offsite Worker	2.45E+00	1.80E+00	8.49E-01	8.20E+00	1.32E+00	-1.39E-01	5.39E-01	2.11E-01	-3.25E-01	-2.80E-01	-9.18E-04	-5.47E-02	-4.35E-03	-5.51E-03	-3.43E-03	-5.32E-03	-3.15E+00
206	373180	757784	Offsite Worker	2.61E+00	1.80E+00	1.12E+00	8.55E+00	1.33E+00	-1.08E-01	5.40E-01	2.22E-01	8.87E-02	9.46E-02	-9.54E-04	-5.68E-02	-4.52E-03	-5.73E-03	-3.56E-03	-5.54E-03	-3.27E+00
207	373274	757785	Offsite Worker	2.57E+00	1.72E+00	1.20E+00	8.35E+00	1.27E+00	-8.64E-02	5.15E-01	2.17E-01	2.83E-01	2.72E-01	-8.99E-04	-5.17E-02	-4.24E-03	-5.39E-03	-3.34E-03	-5.21E-03	-3.07E+00
208	373367	757786	Offsite Worker	2.28E+00	1.57E+00	1.17E+00	7.49E+00	1.17E+00	-9.23E-02	4.70E-01	2.01E-01	3.62E-01	3.58E-01	-8.08E-04	-4.66E-02	-3.77E-03	-4.85E-03	-3.01E-03	-4.69E-03	-2.76E+00
209	373418	757742	Offsite Worker	2.48E+00	1.64E+00	2.18E+00	7.99E+00	1.25E+00	-7.78E-02	4.92E-01	2.48E-01	1.85E+00	1.77E+00	-6.16E-05	6.43E-03	1.56E-04	-3.70E-04	-1.58E-04	-3.58E-04	-1.46E-01
210	373418	757653	Offsite Worker	2.95E+00	1.84E+00	2.73E+00	9.30E+00	1.40E+00	-5.17E-02	5.49E-01	2.89E-01	2.57E+00	2.42E+00	1.69E-05	1.74E-02	6.47E-04	1.01E-04	1.80E-04	9.78E-05	1.63E-01
211	373419	757564	Offsite Worker	2.53E+00	1.62E+00	1.36E+00	8.01E+00	1.21E+00	-6.10E-02	4.86E-01	2.14E-01	6.49E-01	5.96E-01	-4.66E-04	-1.69E-02	-1.90E-03	-2.80E-03	-1.66E-03	-2.70E-03	-1.53E+00
212	373419	757475	Offsite Worker	1.57E+00	1.14E+00	4.98E-01	5.27E+00	8.40E-01	-8.54E-02	3.43E-01	1.32E-01	-3.26E-01	-2.75E-01	-5.72E-04	-3.62E-02	-2.69E-03	-3.43E-03	-2.15E-03	-3.32E-03	-1.97E+00
213	373420	757386	Offsite Worker	1.29E+00	9.93E-01	3.31E-01	4.45E+00	7.30E-01	-9.02E-02	3.00E-01	1.11E-01	-4.68E-01	-3.98E-01	-5.41E-04	-2.94E-02	-2.46E-03	-3.25E-03	-2.00E-03	-3.14E-03	-1.84E+00
214	373420	757297	Offsite Worker	1.49E+00	1.10E+00	3.41E-01	4.97E+00	8.08E-01	-8.77E-02	3.32E-01	1.22E-01	-5.57E-01	-4.85E-01	-6.51E-04	-3.73E-02	-3.02E-03	-3.91E-03	-2.42E-03	-3.78E-03	-2.22E+00
215	373421	757207	Offsite Worker	1.72E+00	1.22E+00	3.54E-01	5.52E+00	8.92E-01	-8.27E-02	3.67E-01	1.34E-01	-6.17E-01	-5.57E-01	-8.29E-04	-5.57E-02	-4.01E-03	-4.97E-03	-3.14E-03	-4.81E-03	-2.88E+00
216	373421	757118	Offsite Worker	1.42E+00	1.15E+00	1.45E-02	4.57E+00	8.33E-01	-1.17E-01	3.47E-01	1.14E-01	-1.12E+00	-1.00E+00	-8.88E-04	-6.29E-02	-4.32E-03	-5.33E-03	-3.39E-03	-5.15E-03	-3.11E+00
217	373292	757117	Offsite Worker	1.89E+00	1.39E+00	2.91E-01	6.16E+00	1.02E+00	-1.11E-01	4.20E-01	1.49E-01	-8.87E-01	-7.99E-01	-9.04E-04	-6.51E-02	-4.39E-03	-5.42E-03	-3.46E-03	-5.24E-03	-3.17E+00
218	373213	757118	Offsite Worker	2.19E+00	1.56E+00	5.16E-01	7.31E+00	1.14E+00	-1.06E-01	4.67E-01	1.74E-01	-6.64E-01	-6.01E-01	-7.92E-04	-5.56E-02	-3.80E-03	-4.75E-03	-3.02E-03	-4.60E-03	-2.77E+00
219	373158	757066	Offsite Worker	2.24E+00	1.62E+00	4.78E-01	7.29E+00	1.19E+00	-1.20E-01	4.88E-01	1.79E-01	-7.89E-01	-7.13E-01	-8.42E-04	-6.11E-02	-4.06E-03	-5.05E-03	-3.22E-03	-4.88E-03	-2.96E+00
220	373084	757026	Offsite Worker	2.24E+00	1.66E+00	5.17E-01	7.36E+00	1.21E+00	-1.31E-01	4.98E-01	1.84E-01	-7.65E-01	-6.82E-01	-8.39E-04	-6.07E-02	-4.03E-03	-5.03E-03	-3.21E-03	-4.86E-03	-2.94E+00
221	373009	757011	Offsite Worker	2.68E+00	1.90E+00	7.81E-01	8.56E+00	1.39E+00	-1.29E-01	5.70E-01	2.19E-01	-5.50E-01	-4.95E-01	-7.36E-04	-5.14E-02	-3.45E-03	-4.42E-03	-2.80E-03	-4.27E-03	-2.57E+00
222	372922	757009	Offsite Worker	3.01E+00	2.07E+00	1.13E+00	9.56E+00	1.53E+00	-1.22E-01	6.21E-01	2.49E-01	-1.56E-01	-1.34E-01	-6.26E-04	-4.31E-02	-2.85E-03	-3.75E-03	-2.38E-03	-3.63E-03	-2.18E+00
223	372835	757007	Offsite Worker	2.87E+00	2.02E+00	8.73E-01	9.20E+00	1.49E+00	-1.34E-01	6.07E-01	2.34E-01	-5.23E-01	-4.68E-01	-5.85E-04	-3.99E-02	-2.58E-03	-3.51E-03	-2.22E-03	-3.40E-03	-2.04E+00
224	372747	757006	Offsite Worker	3.16E+00	2.18E+00	1.83E+00	1.02E+01	1.62E+00	-1.30E-01	6.53E-01	2.87E-01	8.29E-01	8.11E-01	-4.33E-04	-2.39E-02	-1.77E-03	-2.60E-03	-1.60E-03	-2.51E-03	-1.47E+00
225	372660	757004	Offsite Worker	5.70E+00	3.44E+00	6.10E+00	1.78E+01	2.65E+00	-6.13E-02	1.03E+00	5.81E-01	6.42E+00	6.01E+00	1.05E-03	9.48E-02	6.24E-03	6.32E-03	4.16E-03	6.11E-03	3.81E+00
226	372651	757063	Offsite Worker	6.17E+00	3.64E+00	8.91E+00	1.94E+01	2.87E+00	-3.59E-02	1.09E+00	7.12E-01	1.06E+01	9.96E+00	2.25E-03	1.76E-01	1.25E-02	1.35E-02	8.70E-03	1.30E-02	7.97E+00
227	372629	756931	Offsite Worker	4.45E+00	2.83E+00	3.39E+00	1.37E+01	2.14E+00	-9.94E-02	8.47E-01	4.13E-01	2.70E+00	2.53E+00	-4.91E-05	8.21E-03	3.16E-04	-2.95E-04	-1.04E-04	-2.85E-04	-9.67E-02
228	372631	756857	Offsite Worker	4.49E+00	2.85E+00	3.36E+00	1.37E+01	2.15E+00	-9.67E-02	8.52E-01	4.14E-01	2.65E+00	2.48E+00	1.64E-04	1.91E-02	1.38E-03	9.87E-04	6.81E-04	9.54E-04	6.23E-01
229	372634	756783	Offsite Worker	3.68E+00	2.43E+00	2.65E+00	1.13E+01	1.83E+00	-1.12E-01	7.28E-01	3.45E-01	1.87E+00	1.78E+00	-1.62E-04	-7.74E-03	-3.53E-04	-9.71E-04	-5.91E-04	-9.39E-04	-5.42E-01
230	372702	756778	Offsite Worker	3.36E+00	2.27E+00	2.24E+00	1.03E+01	1.70E+00	-1.23E-01	6.81E-01	3.13E-01	1.36E+00	1.31E+00	-3.24E-04	-2.15E-02	-1.18E-03	-1.94E-03	-1.23E-03	-1.88E-03	-1.12E+00
231	372756	756775	Offsite Worker	2.97E+00	2.02E+00	2.00E+00	9.14E+00	1.51E+00	-1.11E-01	6.06E-01	2.78E-01	1.19E+00	1.16E+00	-3.07E-04	-2.11E-02	-1.12E-03	-1.84E-03	-1.17E-03	-1.78E-03	-1.07E+00
232	372729	756712	Offsite Worker	3.03E+00	2.09E+00	2.81E+00	9.42E+00	1.59E+00	-1.24E-01	6.28E-01	3.17E-01	2.35E+00	2.28E+00	-3.93E-05	7.29E-04	4.17E-04	-2.36E-04	-1.25E-04	-2.28E-04	-1.15E-01
233	372703	756650	Offsite Worker	3.19E+00	2.20E+00	2.43E+00	9.86E+00	1.66E+00	-1.31E-01	6.61E-01	3.13E-01	1.70E+00	1.65E+00	-1.72E-04	-9.98E-03	-2.50E-04	-1.03E-03	-6.42E-04	-1.00E-03	-5.89E-01
234	372677	756588	Offsite Worker	3.68E+00	2.46E+00	3.02E+00	1.13E+01	1.86E+00	-1.24E-01	7.38E-01	3.62E-01	2.40E+00	2.30E+00	-8.47E-05	-6.07E-03	2.30E-04	-5.08E-04	-3.24E-04	-4.91E-04	-2.97E-01
235	372619	756588	Offsite Worker	3.09E+00	2.16E+00	2.62E+00	9.60E+00	1.64E+00	-1.40E-01	6.51E-01	3.17E-01	1.98E+00	1.94E+00	2.22E-04	1.82E-02	1.88E-03	1.33E-03	8.65E-04	1.29E-03	7.93E-01
236	372622	756509	Offsite Worker	6.36E+00	4.15E+00	2.86E+00	1.91E+01	3.07E+00	-1.80E-01	1.24E+00	5.24E-01	7.62E-01	6.67E-01	-3.49E-04	-2.24E-02	-8.28E-04	-2.09E-03	-1.31E-03	-2.02E-03	-1.21E+00
237	372700	756511	Offsite Worker	5.63E+00	3.70E+00	2.61E+00	1.69E+01	2.74E+00	-1.67E-01	1.11E+00	4.69E-01	7.61E-01	6.83E-01	-6.69E-04	-5.09E-02	-3.13E-03	-4.02E-03	-2.58E-03	-3.88E-03	-2.36E+00
238	372789	756510	Offsite Worker	4.95E+00	3.29E+00	2.12E+00	1.49E+01	2.44E+00	-1.61E-01	9.85E-01	4.09E-01	3.44E-01	3.04E-01	-5.11E-04	-3.62E-02	-2.25E-03	-3.07E-03	-1.95E-03	-2.96E-03	-1.79E+00
239	372871	756509	Offsite Worker	4.42E+00	2.98E+00	1.65E+00	1.33E+01	2.20E+00	-1.57E-01	8.92E-01	3.60E-01	-1.25E-01	-1.27E-01	-5.22E-04	-3.39E-02	-2.23E-03	-3.13E-03	-1.97E-03	-3.03E-03	-1.81E+00
240	372871	756437	Offsite Worker	3.58E+00	2.52E+00	7.95E-01	1.09E+01	1.84E+00	-1.64E-01	7.54E-01	2.80E-01	-1.05E+00	-9.85E-01	-1.15E-03	-7.38E-02	-5.22E-03	-6.90E-03	-4.33E-03	-6.67E-03	-3.98E+00
241	372970	756437	Offsite Worker	3.11E+00	2.20E+00	7.43E-01	9.46E+00	1.61E+00	-1.48E-01	6.60E-01	2.47E-01	-8.73E-01	-8.04E-01	-1.45E-03	-9.49E-02	-6.79E-03	-8.68E-03	-5.46E-03	-8.39E-03	-5.01E+00
242	373069	756437	Offsite Worker	2.83E+00	2.00E+00	6.33E-01	8.59E+00	1.46E+00	-1.34E-01	6.00E-01	2.22E-01	-8.68E-01	-7.98E-01	-1.31E-03	-8.85E-02	-6.19E-03	-7.84E-03	-4.95E-03	-7.58E-03	-4.55E+00

Table 3-8A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 7, Horizon Year 2025 - Maximum Range Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
243	373168	756437	Offsite Worker	2.80E+00	1.96E+00	5.96E-01	8.48E+00	1.43E+00	-1.25E-01	5.88E-01	2.17E-01	-8.76E-01	-8.14E-01	-9.24E-04	-6.57E-02	-4.36E-03	-5.54E-03	-3.53E-03	-5.36E-03	-3.23E+00
244	373267	756437	Offsite Worker	2.87E+00	1.97E+00	6.46E-01	8.66E+00	1.44E+00	-1.16E-01	5.92E-01	2.21E-01	-7.93E-01	-7.48E-01	-8.60E-04	-6.08E-02	-4.04E-03	-5.16E-03	-3.28E-03	-4.99E-03	-3.01E+00
245	373412	756437	Offsite Worker	2.80E+00	1.90E+00	8.10E-01	8.41E+00	1.39E+00	-1.04E-01	5.69E-01	2.20E-01	-4.65E-01	-4.42E-01	-7.66E-04	-5.38E-02	-3.57E-03	-4.60E-03	-2.92E-03	-4.44E-03	-2.68E+00
246	373409	756339	Offsite Worker	2.73E+00	1.99E+00	1.51E-01	8.32E+00	1.45E+00	-1.52E-01	5.98E-01	2.03E-01	-1.61E+00	-1.50E+00	-1.41E-03	-9.73E-02	-6.87E-03	-8.47E-03	-5.36E-03	-8.19E-03	-4.92E+00
247	373406	756240	Offsite Worker	2.87E+00	2.12E+00	-6.32E-02	8.79E+00	1.53E+00	-1.69E-01	6.37E-01	2.08E-01	-2.02E+00	-1.89E+00	-1.33E-03	-8.60E-02	-6.29E-03	-7.97E-03	-5.01E-03	-7.70E-03	-4.60E+00
248	373403	756142	Offsite Worker	2.96E+00	2.14E+00	7.16E-01	9.07E+00	1.57E+00	-1.58E-01	6.43E-01	2.40E-01	-8.38E-01	-7.72E-01	-8.13E-04	-5.29E-02	-3.59E-03	-4.88E-03	-3.07E-03	-4.72E-03	-2.82E+00
249	373400	756042	Offsite Worker	1.84E+00	1.89E+00	2.30E-01	6.39E+00	1.38E+00	-2.94E-01	5.71E-01	1.97E-01	-1.38E+00	-1.19E+00	-1.20E-03	-1.01E-01	-5.80E-03	-7.18E-03	-4.68E-03	-6.94E-03	-4.29E+00
250	373397	755944	Offsite Worker	1.09E+00	1.42E+00	-2.60E-01	4.16E+00	1.03E+00	-2.82E-01	4.33E-01	1.32E-01	-1.76E+00	-1.53E+00	-1.22E-03	-1.10E-01	-6.16E-03	-7.29E-03	-4.81E-03	-7.05E-03	-4.41E+00
251	373393	755846	Offsite Worker	9.15E-01	1.25E+00	-3.76E-01	3.54E+00	9.02E-01	-2.57E-01	3.80E-01	1.10E-01	-1.79E+00	-1.57E+00	-1.54E-03	-1.22E-01	-7.65E-03	-9.27E-03	-5.98E-03	-8.96E-03	-5.48E+00
252	373390	755747	Offsite Worker	1.47E+00	1.46E+00	-5.06E-01	4.97E+00	1.04E+00	-2.16E-01	4.39E-01	1.25E-01	-2.11E+00	-1.92E+00	-1.42E-03	-1.04E-01	-6.92E-03	-8.55E-03	-5.45E-03	-8.26E-03	-5.00E+00
253	373309	755744	Offsite Worker	1.66E+00	1.56E+00	-4.60E-01	5.50E+00	1.12E+00	-2.17E-01	4.71E-01	1.38E-01	-2.11E+00	-1.94E+00	-1.45E-03	-1.05E-01	-7.02E-03	-8.70E-03	-5.54E-03	-8.41E-03	-5.08E+00
254	373229	755743	Offsite Worker	1.75E+00	1.63E+00	-3.67E-01	5.79E+00	1.17E+00	-2.22E-01	4.91E-01	1.48E-01	-2.02E+00	-1.85E+00	-1.49E-03	-1.07E-01	-7.21E-03	-8.94E-03	-5.70E-03	-8.65E-03	-5.23E+00
255	373143	755741	Offsite Worker	1.74E+00	1.66E+00	-2.03E-01	5.82E+00	1.20E+00	-2.34E-01	5.00E-01	1.57E-01	-1.79E+00	-1.63E+00	-1.58E-03	-1.16E-01	-7.65E-03	-9.46E-03	-6.04E-03	-9.15E-03	-5.54E+00
256	373143	755823	Offsite Worker	1.25E+00	1.50E+00	-7.42E-01	4.55E+00	1.07E+00	-2.79E-01	4.55E-01	1.21E-01	-2.52E+00	-2.28E+00	-1.56E-03	-1.21E-01	-7.66E-03	-9.34E-03	-6.01E-03	-9.03E-03	-5.51E+00
257	373143	755906	Offsite Worker	7.03E-01	1.44E+00	-8.53E-01	3.33E+00	1.03E+00	-3.65E-01	4.38E-01	1.10E-01	-2.67E+00	-2.36E+00	-1.38E-03	-1.25E-01	-6.97E-03	-8.29E-03	-5.46E-03	-8.01E-03	-5.01E+00
258	373065	755906	Offsite Worker	6.60E-01	1.46E+00	-1.08E+00	3.25E+00	1.04E+00	-3.81E-01	4.44E-01	1.03E-01	-3.04E+00	-2.70E+00	-1.39E-03	-1.27E-01	-7.01E-03	-8.34E-03	-5.50E-03	-8.06E-03	-5.04E+00
259	373065	755827	Offsite Worker	8.95E-01	1.48E+00	-8.30E-01	3.78E+00	1.05E+00	-3.40E-01	4.48E-01	1.15E-01	-2.63E+00	-2.34E+00	-1.66E-03	-1.37E-01	-8.25E-03	-9.96E-03	-6.47E-03	-9.63E-03	-5.93E+00
260	373068	755733	Offsite Worker	2.08E+00	1.77E+00	-4.27E-02	6.69E+00	1.28E+00	-2.06E-01	5.33E-01	1.74E-01	-1.64E+00	-1.51E+00	-1.60E-03	-1.14E-01	-7.74E-03	-9.62E-03	-6.12E-03	-9.30E-03	-5.61E+00
261	373007	755733	Offsite Worker	2.12E+00	1.78E+00	-4.68E-02	6.79E+00	1.29E+00	-2.00E-01	5.35E-01	1.75E-01	-1.66E+00	-1.53E+00	-1.61E-03	-1.12E-01	-7.73E-03	-9.65E-03	-6.12E-03	-9.33E-03	-5.62E+00
262	372941	755733	Offsite Worker	2.23E+00	1.81E+00	-1.32E-01	7.04E+00	1.30E+00	-1.86E-01	5.42E-01	1.74E-01	-1.81E+00	-1.68E+00	-1.69E-03	-1.17E-01	-8.14E-03	-1.01E-02	-6.43E-03	-9.80E-03	-5.89E+00
263	372941	755636	Offsite Worker	1.66E+00	1.32E+00	-8.68E-02	5.18E+00	9.51E-01	-1.30E-01	3.96E-01	1.27E-01	-1.38E+00	-1.26E+00	-1.71E-03	-1.12E-01	-8.24E-03	-1.02E-02	-6.45E-03	-9.90E-03	-5.92E+00
264	372941	755539	Offsite Worker	1.29E+00	1.10E+00	-4.94E-01	4.08E+00	7.84E-01	-1.28E-01	3.32E-01	8.92E-02	-1.82E+00	-1.67E+00	-1.82E-03	-1.26E-01	-8.99E-03	-1.09E-02	-6.93E-03	-1.06E-02	-6.36E+00
265	372941	755442	Offsite Worker	2.64E-01	5.72E-01	-5.86E-01	1.25E+00	4.04E-01	-1.49E-01	1.76E-01	3.35E-02	-1.55E+00	-1.36E+00	-2.51E-03	-1.74E-01	-1.25E-02	-1.50E-02	-9.53E-03	-1.45E-02	-8.74E+00
266	372913	755342	Offsite Worker	2.30E-02	4.36E-01	-1.05E+00	5.20E-01	2.93E-01	-1.50E-01	1.36E-01	1.85E-03	-2.14E+00	-1.92E+00	-3.77E-03	-2.63E-01	-1.89E-02	-2.26E-02	-1.43E-02	-2.18E-02	-1.32E+01
267	372817	755346	Offsite Worker	-2.23E-01	3.13E-01	-1.47E+00	-2.01E-01	1.93E-01	-1.56E-01	9.94E-02	-2.72E-02	-2.71E+00	-2.45E+00	-4.69E-03	-3.27E-01	-2.36E-02	-2.81E-02	-1.79E-02	-2.72E-02	-1.64E+01
268	372720	755349	Offsite Worker	-3.34E-02	4.05E-01	-2.09E+00	2.53E-01	2.42E-01	-1.51E-01	1.26E-01	-4.25E-02	-3.73E+00	-3.44E+00	-7.07E-03	-4.89E-01	-3.57E-02	-4.24E-02	-2.69E-02	-4.10E-02	-2.46E+01
269	372624	755352	Offsite Worker	6.58E-01	7.73E-01	-2.75E+00	2.12E+00	4.86E-01	-1.41E-01	2.34E-01	-3.20E-02	-5.00E+00	-4.69E+00	-1.02E-02	-7.05E-01	-5.15E-02	-6.10E-02	-3.87E-02	-5.90E-02	-3.55E+01
270	372527	755349	Offsite Worker	7.89E-01	8.33E-01	-2.82E+00	2.46E+00	5.27E-01	-1.35E-01	2.52E-01	-2.91E-02	-5.17E+00	-4.86E+00	-7.09E-03	-4.96E-01	-3.59E-02	-4.25E-02	-2.70E-02	-4.11E-02	-2.48E+01
271	372431	755353	Offsite Worker	3.60E-01	5.81E-01	-2.36E+00	1.28E+00	3.60E-01	-1.33E-01	1.78E-01	-3.59E-02	-4.27E+00	-3.98E+00	-6.39E-03	-4.44E-01	-3.22E-02	-3.83E-02	-2.43E-02	-3.70E-02	-2.23E+01
272	372334	755356	Offsite Worker	5.26E-02	4.27E-01	-1.95E+00	4.83E-01	2.61E-01	-1.41E-01	1.32E-01	-3.46E-02	-3.51E+00	-3.24E+00	-6.14E-03	-4.26E-01	-3.10E-02	-3.69E-02	-2.34E-02	-3.56E-02	-2.14E+01
273	372237	755359	Offsite Worker	5.48E-01	6.73E-01	-2.03E+00	1.83E+00	4.34E-01	-1.28E-01	2.05E-01	-1.36E-02	-3.82E+00	-3.56E+00	-6.11E-03	-4.27E-01	-3.09E-02	-3.67E-02	-2.33E-02	-3.55E-02	-2.14E+01
274	372141	755362	Offsite Worker	5.58E-01	6.82E-01	-1.32E+00	1.95E+00	4.60E-01	-1.28E-01	2.07E-01	1.56E-02	-2.70E+00	-2.50E+00	-1.10E-02	-7.67E-01	-5.58E-02	-6.61E-02	-4.19E-02	-6.39E-02	-3.85E+01
275	372044	755366	Offsite Worker	1.08E+00	9.70E-01	-9.26E-01	3.46E+00	6.78E-01	-1.25E-01	2.92E-01	5.97E-02	-2.32E+00	-2.17E+00	-1.11E-02	-7.74E-01	-5.61E-02	-6.64E-02	-4.21E-02	-6.42E-02	-3.87E+01
276	371948	755369	Offsite Worker	1.04E+00	9.86E-01	-4.36E-01	3.45E+00	7.04E-01	-1.37E-01	2.98E-01	8.04E-02	-1.63E+00	-1.48E+00	-5.97E-03	-4.19E-01	-3.02E-02	-3.58E-02	-2.28E-02	-3.47E-02	-2.09E+01
277	371851	755372	Offsite Worker	-1.64E-01	4.99E-01	-1.71E+00	1.53E-01	3.24E-01	-2.10E-01	1.57E-01	-1.81E-02	-3.29E+00	-2.96E+00	-4.97E-03	-3.52E-01	-2.52E-02	-2.98E-02	-1.90E-02	-2.88E-02	-1.74E+01
278	371755	755375	Offsite Worker	-1.06E+00	1.57E-01	-3.38E+00	-2.32E+00	3.35E-02	-2.71E-01	5.62E-02	-1.17E-01	-5.58E+00	-5.09E+00	-5.11E-03	-3.62E-01	-2.58E-02	-3.06E-02	-1.95E-02	-2.96E-02	-1.79E+01
279	371658	755378	Offsite Worker	-1.40E+00	1.61E-02	-4.62E+00	-3.34E+00	-1.01E-01	-2.91E-01	1.49E-02	-1.80E-01	-7.39E+00	-6.79E+00	-4.99E-03	-3.53E-01	-2.52E-02	-3.00E-02	-1.90E-02	-2.90E-02	-1.75E+01
280	371562	755382	Offsite Worker	-1.34E+00	2.58E-02	-3.43E+00	-3.09E+00	-6.10E-02	-2.82E-01	1.82E-02	-1.33E-01	-5.59E+00	-5.07E+00	-4.14E-03	-2.91E-01	-2.09E-02	-2.48E-02	-1.58E-02	-2.40E-02	-1.45E+01
281	371465	755385	Offsite Worker	7.46E-02	7.07E-01	-2.32E+00	8.69E-01	4.57E-01	-2.35E-01	2.19E-01	-2.15E-02	-4.42E+00	-4.03E+00	-3.26E-03	-2.28E-01	-1.64E-02	-1.95E-02	-1.24E-02	-1.89E-02	-1.14E+01
282	371368	755388	Offsite Worker	1.52E+00	1.40E+00	-1.54E+00	4.87E+00	9.71E-01	-1.85E-01	4.22E-01	7.70E-02	-3.75E+00	-3.48E+00	-2.48E-03	-1.75E-01	-1.24E-02	-1.49E-02	-9.45E-03	-1.44E-02	-8.67E+00
283	371272	755391	Offsite Worker	3.37E+00	2.39E+00	1.32E+00	1.03E+01	1.76E+00	-1.61E-01	7.15E-01	2.89E-01	-8.18E-02	-7.31E-02	-2.12E-03	-1.55E-01	-1.05E-02	-1.27E-02	-8.13E-03	-1.23E-02	-7.46E+00
284	371175	755395	Offsite Worker	3.14E+00	2.32E+00	1.28E+00	9.77E+00	1.71E+00	-1.85E-01	6.96E-01	2.81E-01	-6.40E-02	-4.30E-02	-2.22E-03	-1.63E-01	-1.10E-02	-1.33E-02	-8.52E-03	-1.29E-02	-7.82E+00
285	371079	755398	Offsite Worker	1.88E+00	1.63E+00	-6.68E-01	6.05E+00	1.16E+00	-1.95E-01	4.90E-01	1.35E-01	-2.49E+00	-2.32E+00	-2.40E-03	-1.77E-01	-1.21E-02	-1.44E-02	-9.20E-03	-1.39E-02	-8.43E+00
286	371042	755478	Offsite Worker	7.24E-01	9.94E-01	-9.05E-01	2.78E+00	7.00E-01	-2.05E-01	3.02E-01	6.32E-02	-2.37E+00	-2.15E+00	-2.46E-03	-1.84E-01	-1.24E-02	-1.48E-02	-9.46E-03	-1.43E-02	-8.67E+00
287	371009	755538	Offsite Worker	9.65E-01	1.11E+00	-1.38E-02	3.52E+00	8.06E-01	-1.96E-01	3.36E-01	1.09E-01	-1.10E+00	-9.39E-01	-2.19E-03	-1.68E-01	-1.10E-02	-1.31E-02	-8.45E-03	-1.27E-02	-7.75E+00
288	370975	755597	Offsite Worker	-4.65E-01	2.76E-01	-7.17E-02	-5.63E-01	2.08E-01	-1.92E-01	8.98E-02	2.48E-02	-5.35E-01	-3.46E-01	-2.46E-03	-1.82E-01	-1.22E-02	-1.47E-02	-9.43E-03	-1.43E-02	-8.65E+00
289	370925	755597	Offsite Worker	-7.84E-01	1.44E-01	-8.66E-01	-1.47E+00	9.16E-02	-2.10E-01	5.08E-02	-1.94E-02	-1.64E+00	-1.39E+00	-2.65E-03	-1.93E-01	-1.31E-02	-1.59E-02	-1.02E-02	-1.54E-02	-9.31E+00
290	370860	755547	Offsite Worker	-4.01E-01	5.79E-01	-2.78E+00	-2.85E-01	3.53E-01	-2.86E-01	1.81E-01	-5.17E-02	-4.95E+00	-4.52E+00	-3.10E-03	-2.26E-01	-1.54E-02	-1.86E-02	-1.19E-02	-1.80E-02	-1.09E+01
291	370796	755497	Offsite Worker	2.45E+00	2.03E+00	-1.39E+00	7.69E+00	1.43E+00	-2.21E-01	6.09E-01	1.46E-01	-3.95E+00	-3.71E+00	-3.97E-03	-2.78E-01	-1.98E-02	-2.38E-02	-1.51E-02	-2.30E-02	-1.39E+01
292	370733	755428	Offsite Worker	1.57E+00	1.52E+00	-7.79E-02	5.30E+00	1.10E+00	-2.18E-01	4.58E-01	1.47E-01	-1.56E+00	-1.38E+00	-3.39E-03	-2.38E-01	-1.68E-02	-2.03E-02	-1.29E-02	-1.96E-02	-1.18E+01
293	370634	755428	Offsite Worker	-7.51E-01	3.43E-01	-3.08E+00	-1.37E+00	1.76E-01	-2.74E-01	1.12E-01	-8.70E-02	-5.26E+00	-4.79E+00	-4.33E-03	-3.05E-01	-2.16E-02	-2.60E-02	-1.65E-02	-2.51E-02	-1.52E+01
294	370536	755428	Offsite Worker	2.12E+00	1.69E+00	1.25E+00	6.83E+00	1.26E+00	-1.67E-01	5.09E-01	2.17E-01	3.72E-01	4.11E-01	-5.45E-03	-3.74E-01	-2.70E-02	-3.27E-02	-2.07E-02	-3.16E-02	-1.90E+01
295	370437	755428	Offsite Worker	1.99E+00	1.69E+00	-1.59E+00	6.27E+00	1.18E+00	-1.95E-01	5.09E-01	1.05E-01	-3.99E+00	-3.74E+00	-6.09E-03	-4.25E-01	-3.04E-02	-3.65E-02	-2.32E-02	-3.53E-02	-2.13E+01
296	370338	755427	Offsite Worker	3.06E+00	2.35E+00	-1.01E+00	9.44E+00	1.67E+00	-2.13E-01	7.05E-01	1.94E-01	-3.62E+00	-3.42E+00	-5.34E-03	-3.72E-01	-2.64E-02	-3.20E-02	-2.03E-02	-3.10E-02	-1.86E+01
307	369249	755442	Offsite Worker	3.97E+00	2.93E+00	1.14E+00	1.24E+01	2.15E+00	-2.32E-01	8.79E-01	3.36E-01	-8.15E-01	-7.59E-01	-2.09E-03	-1.44E-01	-1.03E-02	-1.26E-02	-7.95E-03	-1.21E-02	-7.29E+00
308	369151	755442	Offsite Worker	3.49E+00	2.73E+00	1.20E+00	1.11E+01	2.01E+00	-2.57E-01	8.19E-01	3.18E-01	-5.88E-01	-4.99E-01	-1.83E-03	-1.22E-01	-8.91E-03	-1.10E-02	-6.93E-03	-1.06E-02	-6.35E+00

Table 3-8A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 7, Horizon Year 2025 - Maximum Range Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
309	369052	755442	Offsite Worker	2.76E+00	2.34E+00	5.61E-01	8.99E+00	1.71E+00	-2.68E-01	7.06E-01	2.55E-01	-1.29E+00	-1.13E+00	-1.52E-03	-9.49E-02	-7.30E-03	-9.14E-03	-5.72E-03	-8.84E-03	-5.25E+00
320	368035	755402	Offsite Worker	3.54E+00	2.50E+00	1.26E+00	1.10E+01	1.84E+00	-1.68E-01	7.49E-01	2.98E-01	-2.55E-01	-2.44E-01	-1.56E-03	-1.12E-01	-7.72E-03	-9.35E-03	-5.95E-03	-9.04E-03	-5.46E+00
321	367960	755389	Offsite Worker	3.33E+00	2.38E+00	1.22E+00	1.04E+01	1.75E+00	-1.66E-01	7.13E-01	2.84E-01	-2.26E-01	-2.07E-01	-1.58E-03	-1.14E-01	-7.83E-03	-9.46E-03	-6.03E-03	-9.14E-03	-5.53E+00
322	367863	755390	Offsite Worker	2.94E+00	2.20E+00	1.25E+00	9.36E+00	1.63E+00	-1.82E-01	6.61E-01	2.68E-01	-3.82E-02	-2.94E-03	-1.50E-03	-1.12E-01	-7.47E-03	-8.99E-03	-5.75E-03	-8.69E-03	-5.28E+00
323	367766	755392	Offsite Worker	2.59E+00	1.99E+00	1.34E+00	8.37E+00	1.48E+00	-1.79E-01	5.97E-01	2.50E-01	2.55E-01	2.89E-01	-1.29E-03	-9.73E-02	-6.44E-03	-7.75E-03	-4.97E-03	-7.49E-03	-4.55E+00
324	367669	755393	Offsite Worker	1.99E+00	1.69E+00	7.54E-01	6.69E+00	1.24E+00	-1.93E-01	5.08E-01	1.97E-01	-4.12E-01	-3.14E-01	-1.03E-03	-7.89E-02	-5.12E-03	-6.18E-03	-3.97E-03	-5.98E-03	-3.64E+00
325	367572	755394	Offsite Worker	1.51E+00	1.41E+00	1.82E-01	5.31E+00	1.03E+00	-1.94E-01	4.28E-01	1.47E-01	-1.07E+00	-9.26E-01	-9.32E-04	-7.12E-02	-4.62E-03	-5.59E-03	-3.59E-03	-5.41E-03	-3.29E+00
326	367475	755395	Offsite Worker	1.32E+00	1.27E+00	-2.36E-01	4.70E+00	9.14E-01	-1.80E-01	3.83E-01	1.16E-01	-1.58E+00	-1.42E+00	-1.06E-03	-7.89E-02	-5.29E-03	-6.36E-03	-4.07E-03	-6.15E-03	-3.73E+00
327	370400	756850	On-Site Occupational	-1.85E+00	1.84E+00	-5.75E+00	-1.62E+00	1.21E+00	-1.02E+00	5.79E-01	-4.20E-02	-1.11E+01	-9.82E+00	-3.73E-03	-2.35E-01	-1.82E-02	-2.24E-02	-1.40E-02	-2.16E-02	-1.29E+01
1	367379	755396	Recreational	1.46E+00	1.36E+00	-2.71E-01	5.14E+00	9.82E-01	-1.86E-01	4.12E-01	1.24E-01	-1.71E+00	-1.54E+00	-1.05E-03	-7.79E-02	-5.23E-03	-6.29E-03	-4.03E-03	-6.08E-03	-3.69E+00
2	367340	755485	Recreational	1.44E+00	1.40E+00	1.83E-01	5.28E+00	1.02E+00	-2.02E-01	4.24E-01	1.46E-01	-1.05E+00	-9.05E-01	-8.62E-04	-6.49E-02	-4.26E-03	-5.17E-03	-3.32E-03	-5.00E-03	-3.04E+00
3	367301	755573	Recreational	1.42E+00	1.33E+00	-4.01E-01	5.17E+00	9.56E-01	-1.84E-01	4.02E-01	1.16E-01	-1.88E+00	-1.71E+00	-8.92E-04	-6.70E-02	-4.39E-03	-5.35E-03	-3.43E-03	-5.17E-03	-3.15E+00
4	367263	755661	Recreational	2.14E+00	1.69E+00	-4.37E-01	7.25E+00	1.21E+00	-1.66E-01	5.09E-01	1.50E-01	-2.22E+00	-2.06E+00	-1.10E-03	-8.21E-02	-5.44E-03	-6.61E-03	-4.23E-03	-6.39E-03	-3.88E+00
5	367224	755749	Recreational	2.49E+00	1.93E+00	2.27E-01	8.47E+00	1.40E+00	-1.77E-01	5.79E-01	2.00E-01	-1.40E+00	-1.29E+00	-1.00E-03	-7.19E-02	-4.89E-03	-6.00E-03	-3.82E-03	-5.80E-03	-3.51E+00
6	367186	755838	Recreational	2.92E+00	2.15E+00	1.29E+00	9.85E+00	1.59E+00	-1.68E-01	6.45E-01	2.64E-01	5.18E-02	8.21E-02	-7.11E-04	-4.99E-02	-3.32E-03	-4.27E-03	-2.71E-03	-4.12E-03	-2.48E+00
7	367147	755926	Recreational	3.38E+00	2.37E+00	1.73E+00	1.12E+01	1.76E+00	-1.52E-01	7.09E-01	3.03E-01	5.87E-01	5.56E-01	-4.21E-04	-2.63E-02	-1.77E-03	-2.53E-03	-1.58E-03	-2.44E-03	-1.45E+00
8	367109	756014	Recreational	3.20E+00	2.25E+00	1.55E+00	1.06E+01	1.66E+00	-1.44E-01	6.72E-01	2.84E-01	4.15E-01	3.91E-01	-6.87E-04	-4.68E-02	-3.15E-03	-4.12E-03	-2.61E-03	-3.98E-03	-2.39E+00
9	367070	756103	Recreational	4.12E+00	2.65E+00	2.36E+00	1.30E+01	1.98E+00	-1.01E-01	7.91E-01	3.56E-01	1.37E+00	1.24E+00	-9.73E-04	-6.58E-02	-4.59E-03	-5.84E-03	-3.69E-03	-5.64E-03	-3.38E+00
10	367032	756191	Recreational	3.92E+00	2.55E+00	2.64E+00	1.24E+01	1.91E+00	-1.07E-01	7.62E-01	3.56E-01	1.84E+00	1.71E+00	-7.66E-04	-4.76E-02	-3.47E-03	-4.60E-03	-2.88E-03	-4.45E-03	-2.64E+00
11	366993	756279	Recreational	3.31E+00	2.25E+00	2.30E+00	1.06E+01	1.69E+00	-1.25E-01	6.75E-01	3.14E-01	1.53E+00	1.45E+00	-1.00E-03	-6.56E-02	-4.70E-03	-6.01E-03	-3.78E-03	-5.81E-03	-3.47E+00
12	366954	756367	Recreational	3.19E+00	2.20E+00	2.12E+00	1.01E+01	1.65E+00	-1.30E-01	6.59E-01	3.01E-01	1.28E+00	1.23E+00	-1.04E-03	-6.97E-02	-4.95E-03	-6.26E-03	-3.95E-03	-6.05E-03	-3.62E+00
13	366916	756456	Recreational	2.57E+00	1.82E+00	1.77E+00	8.24E+00	1.37E+00	-1.23E-01	5.48E-01	2.50E-01	1.05E+00	1.03E+00	-8.88E-04	-5.93E-02	-4.22E-03	-5.33E-03	-3.36E-03	-5.15E-03	-3.08E+00
14	366877	756544	Recreational	2.90E+00	2.03E+00	1.16E+00	9.10E+00	1.50E+00	-1.30E-01	6.09E-01	2.47E-01	-5.85E-02	-4.04E-02	-7.72E-04	-5.17E-02	-3.66E-03	-4.63E-03	-2.92E-03	-4.48E-03	-2.68E+00
15	366839	756632	Recreational	2.57E+00	1.88E+00	5.39E-01	8.11E+00	1.37E+00	-1.44E-01	5.64E-01	2.07E-01	-8.74E-01	-8.04E-01	-9.71E-04	-6.86E-02	-4.72E-03	-5.83E-03	-3.70E-03	-5.63E-03	-3.40E+00
16	366800	756720	Recreational	2.29E+00	1.73E+00	4.26E-01	7.30E+00	1.27E+00	-1.49E-01	5.22E-01	1.88E-01	-9.63E-01	-8.67E-01	-8.35E-04	-5.83E-02	-4.01E-03	-5.01E-03	-3.18E-03	-4.84E-03	-2.92E+00
17	366762	756809	Recreational	2.54E+00	1.81E+00	9.75E-01	7.94E+00	1.33E+00	-1.25E-01	5.43E-01	2.17E-01	-1.64E-01	-1.28E-01	-6.00E-04	-4.04E-02	-2.79E-03	-3.60E-03	-2.27E-03	-3.48E-03	-2.08E+00
18	366723	756897	Recreational	2.40E+00	1.73E+00	1.38E+00	7.59E+00	1.29E+00	-1.24E-01	5.19E-01	2.26E-01	5.65E-01	5.61E-01	-6.90E-04	-4.46E-02	-3.20E-03	-4.14E-03	-2.60E-03	-4.00E-03	-2.39E+00
19	366685	756985	Recreational	2.24E+00	1.65E+00	9.91E-01	7.08E+00	1.22E+00	-1.32E-01	4.97E-01	2.03E-01	-1.03E-02	3.08E-02	-7.32E-04	-4.77E-02	-3.42E-03	-4.39E-03	-2.76E-03	-4.25E-03	-2.53E+00
20	366646	757074	Recreational	2.15E+00	1.63E+00	5.24E-01	6.80E+00	1.20E+00	-1.41E-01	4.91E-01	1.82E-01	-7.38E-01	-6.48E-01	-7.93E-04	-5.47E-02	-3.77E-03	-4.76E-03	-3.01E-03	-4.60E-03	-2.76E+00
21	366607	757162	Recreational	2.28E+00	1.67E+00	3.63E-01	7.08E+00	1.22E+00	-1.28E-01	5.01E-01	1.79E-01	-9.82E-01	-9.01E-01	-7.58E-04	-5.43E-02	-3.62E-03	-4.55E-03	-2.90E-03	-4.40E-03	-2.66E+00
22	366569	757250	Recreational	2.54E+00	1.72E+00	4.44E-01	7.69E+00	1.26E+00	-9.54E-02	5.16E-01	1.88E-01	-8.52E-01	-8.17E-01	-8.65E-04	-5.77E-02	-4.14E-03	-5.19E-03	-3.27E-03	-5.02E-03	-3.00E+00
23	366530	757338	Recreational	2.38E+00	1.66E+00	3.25E-01	7.26E+00	1.21E+00	-1.04E-01	4.98E-01	1.77E-01	-9.94E-01	-9.41E-01	-8.32E-04	-5.68E-02	-3.99E-03	-4.99E-03	-3.16E-03	-4.82E-03	-2.90E+00
24	366492	757427	Recreational	1.99E+00	1.46E+00	3.50E-01	6.16E+00	1.07E+00	-1.15E-01	4.40E-01	1.59E-01	-8.18E-01	-7.47E-01	-7.38E-04	-5.01E-02	-3.54E-03	-4.43E-03	-2.80E-03	-4.28E-03	-2.57E+00
25	366453	757515	Recreational	2.38E+00	1.68E+00	7.65E-01	7.29E+00	1.24E+00	-1.12E-01	5.04E-01	1.96E-01	-3.43E-01	-3.12E-01	-7.29E-04	-5.01E-02	-3.49E-03	-4.37E-03	-2.77E-03	-4.23E-03	-2.54E+00
26	366415	757603	Recreational	2.91E+00	1.98E+00	1.10E+00	8.81E+00	1.46E+00	-1.10E-01	5.91E-01	2.39E-01	-5.92E-02	-6.19E-02	-7.37E-04	-5.10E-02	-3.50E-03	-4.42E-03	-2.80E-03	-4.28E-03	-2.57E+00
27	366376	757692	Recreational	3.42E+00	2.28E+00	1.35E+00	1.03E+01	1.68E+00	-1.13E-01	6.82E-01	2.79E-01	8.25E-02	5.28E-02	-7.25E-04	-5.05E-02	-3.42E-03	-4.35E-03	-2.76E-03	-4.21E-03	-2.53E+00
84	369336	758100	Recreational	3.69E+00	2.55E+00	1.71E+00	1.13E+01	1.89E+00	-1.55E-01	7.64E-01	3.21E-01	4.12E-01	3.79E-01	-1.59E-03	-1.08E-01	-7.62E-03	-9.55E-03	-6.04E-03	-9.23E-03	-5.54E+00
85	369269	758170	Recreational	4.79E+00	3.13E+00	2.57E+00	1.45E+01	2.33E+00	-1.37E-01	9.35E-01	4.12E-01	1.28E+00	1.15E+00	-1.57E-03	-1.04E-01	-7.46E-03	-9.40E-03	-5.93E-03	-9.09E-03	-5.44E+00
86	369202	758239	Recreational	4.79E+00	3.14E+00	2.54E+00	1.45E+01	2.33E+00	-1.38E-01	9.38E-01	4.11E-01	1.21E+00	1.09E+00	-1.61E-03	-1.07E-01	-7.73E-03	-9.65E-03	-6.09E-03	-9.33E-03	-5.59E+00
87	369264	758285	Recreational	3.88E+00	2.63E+00	2.05E+00	1.18E+01	1.95E+00	-1.43E-01	7.85E-01	3.41E-01	9.02E-01	8.28E-01	-1.15E-03	-7.66E-02	-5.40E-03	-6.88E-03	-4.34E-03	-6.65E-03	-3.98E+00
88	369326	758330	Recreational	3.55E+00	2.40E+00	1.58E+00	1.08E+01	1.77E+00	-1.28E-01	7.17E-01	3.00E-01	3.75E-01	3.21E-01	-1.52E-03	-1.04E-01	-7.37E-03	-9.09E-03	-5.76E-03	-8.79E-03	-5.28E+00
89	369389	758376	Recreational	2.89E+00	2.00E+00	1.12E+00	8.85E+00	1.47E+00	-1.21E-01	5.98E-01	2.42E-01	-9.66E-03	-2.30E-02	-1.44E-03	-1.00E-01	-7.04E-03	-8.64E-03	-5.48E-03	-8.36E-03	-5.03E+00
90	369389	758462	Recreational	2.39E+00	1.73E+00	8.22E-01	7.40E+00	1.27E+00	-1.28E-01	5.18E-01	2.04E-01	-2.64E-01	-2.41E-01	-1.29E-03	-8.96E-02	-6.26E-03	-7.71E-03	-4.89E-03	-7.46E-03	-4.49E+00
91	369389	758548	Recreational	1.93E+00	1.49E+00	5.56E-01	6.11E+00	1.09E+00	-1.35E-01	4.48E-01	1.70E-01	-4.91E-01	-4.34E-01	-1.31E-03	-9.12E-02	-6.38E-03	-7.85E-03	-4.98E-03	-7.58E-03	-4.57E+00
28	366338	757780	Residential	3.72E+00	2.44E+00	1.58E+00	1.11E+01	1.80E+00	-1.10E-01	7.29E-01	3.04E-01	3.02E-01	2.55E-01	-6.37E-04	-4.35E-02	-2.95E-03	-3.82E-03	-2.42E-03	-3.70E-03	-2.22E+00
29	366402	757746	Residential	3.74E+00	2.46E+00	1.58E+00	1.12E+01	1.82E+00	-1.13E-01	7.37E-01	3.06E-01	2.74E-01	2.27E-01	-6.65E-04	-4.53E-02	-3.08E-03	-3.99E-03	-2.52E-03	-3.85E-03	-2.31E+00
30	366467	757713	Residential	3.76E+00	2.48E+00	1.57E+00	1.13E+01	1.84E+00	-1.15E-01	7.43E-01	3.08E-01	2.44E-01	1.99E-01	-7.05E-04	-4.84E-02	-3.29E-03	-4.23E-03	-2.68E-03	-4.09E-03	-2.46E+00
31	366531	757679	Residential	3.76E+00	2.49E+00	1.54E+00	1.13E+01	1.84E+00	-1.18E-01	7.44E-01	3.07E-01	2.02E-01	1.59E-01	-7.41E-04	-5.12E-02	-3.48E-03	-4.45E-03	-2.82E-03	-4.30E-03	-2.58E+00
32	366567	757773	Residential	4.16E+00	2.71E+00	1.92E+00	1.25E+01	2.01E+00	-1.16E-01	8.10E-01	3.44E-01	5.88E-01	5.17E-01	-6.83E-04	-4.69E-02	-3.16E-03	-4.10E-03	-2.60E-03	-3.96E-03	-2.38E+00
33	366625	757758	Residential	4.27E+00	2.78E+00	1.98E+00	1.28E+01	2.06E+00	-1.18E-01	8.30E-01	3.53E-01	6.25E-01	5.51E-01	-6.95E-04	-4.75E-02	-3.22E-03	-4.17E-03	-2.64E-03	-4.03E-03	-2.42E+00
34	366682	757744	Residential	4.38E+00	2.85E+00	2.04E+00	1.31E+01	2.11E+00	-1.20E-01	8.52E-01	3.63E-01	6.64E-01	5.85E-01	-7.07E-04	-4.82E-02	-3.27E-03	-4.24E-03	-2.68E-03	-4.10E-03	-2.46E+00
35	366768	757788	Residential	4.49E+00	2.95E+00	1.92E+00	1.35E+01	2.18E+00	-1.33E-01	8.82E-01	3.68E-01	4.08E-01	3.38E-01	-7.74E-04	-5.43E-02	-3.63E-03	-4.64E-03	-2.95E-03	-4.49E-03	-2.70E+00
36	366854	757833	Residential	4.37E+00	2.90E+00	1.45E+00	1.31E+01	2.13E+00	-1.41E-01	8.68E-01	3.45E-01	-2.95E-01	-3.21E-01	-9.34E-04	-6.67E-02	-4.48E-03	-5.60E-03	-3.57E-03	-5.41E-03	-3.27E+00
37	366941	757877	Residential	4.38E+00	2.89E+00	1.32E+00	1.31E+01	2.12E+00	-1.37E-01	8.65E-01	3.38E-01	-4.94E-01	-5.12E-01	-1.00E-03	-7.15E-02	-4.81E-03	-6.00E-03	-3.82E-03	-5.80E-03	-3.50E+00
38	367027	757922	Residential	4.33E+00	2.85E+00	1.37E+00	1.30E+01	2.10E+00	-1.32E-01	8.53E-01	3.37E-01	-3.66E-01	-3.92E-01	-1.02E-03	-7.48E-02	-4.94E-03	-6.15E-03	-3.92E-03	-5.94E-03	-3.60E+00
39	367113	757966	Residential	4.53E+00	2.94E+00	1.91E+00	1.35E+01	2.17E+00	-1.19E-01	8.77E-01	3.66E-01	4.07E-01	3.26E-01	-1.12E-03	-8.03E-02	-5.39E-03	-6.71E-03	-4.28E-03	-6.49E-03	-3.92E+00

Table 3-8A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 7, Horizon Year 2025 - Maximum Range Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
40	367192	757916	Residential	4.64E+00	3.02E+00	1.89E+00	1.39E+01	2.23E+00	-1.28E-01	9.02E-01	3.73E-01	2.91E-01	2.21E-01	-1.15E-03	-8.31E-02	-5.57E-03	-6.93E-03	-4.41E-03	-6.70E-03	-4.05E+00
41	367264	757916	Residential	4.89E+00	3.16E+00	2.11E+00	1.46E+01	2.34E+00	-1.25E-01	9.43E-01	3.96E-01	5.41E-01	4.46E-01	-1.18E-03	-8.37E-02	-5.65E-03	-7.07E-03	-4.50E-03	-6.84E-03	-4.12E+00
42	367335	757916	Residential	5.10E+00	3.28E+00	2.34E+00	1.52E+01	2.43E+00	-1.26E-01	9.78E-01	4.17E-01	7.98E-01	6.82E-01	-1.17E-03	-8.30E-02	-5.58E-03	-7.01E-03	-4.46E-03	-6.78E-03	-4.09E+00
43	367343	757966	Residential	5.14E+00	3.30E+00	2.65E+00	1.54E+01	2.45E+00	-1.24E-01	9.83E-01	4.31E-01	1.29E+00	1.14E+00	-1.01E-03	-7.29E-02	-4.76E-03	-6.06E-03	-3.86E-03	-5.85E-03	-3.54E+00
44	367404	757995	Residential	4.92E+00	3.19E+00	2.72E+00	1.48E+01	2.37E+00	-1.30E-01	9.51E-01	4.23E-01	1.48E+00	1.34E+00	-9.57E-04	-6.81E-02	-4.46E-03	-5.74E-03	-3.65E-03	-5.55E-03	-3.35E+00
45	367465	758024	Residential	4.36E+00	2.90E+00	2.35E+00	1.32E+01	2.16E+00	-1.44E-01	8.68E-01	3.80E-01	1.11E+00	1.02E+00	-1.05E-03	-7.49E-02	-4.93E-03	-6.28E-03	-4.00E-03	-6.07E-03	-3.66E+00
55	367673	758189	Residential	3.01E+00	2.20E+00	6.74E-01	9.25E+00	1.61E+00	-1.68E-01	6.59E-01	2.44E-01	-9.30E-01	-8.61E-01	-1.23E-03	-9.07E-02	-5.98E-03	-7.41E-03	-4.73E-03	-7.16E-03	-4.34E+00
59	367816	758096	Residential	3.10E+00	2.27E+00	7.37E-01	9.56E+00	1.66E+00	-1.75E-01	6.81E-01	2.54E-01	-9.08E-01	-8.36E-01	-1.33E-03	-9.82E-02	-6.46E-03	-7.99E-03	-5.11E-03	-7.72E-03	-4.68E+00
60	367898	758066	Residential	2.97E+00	2.24E+00	6.98E-01	9.26E+00	1.64E+00	-1.89E-01	6.72E-01	2.49E-01	-9.48E-01	-8.61E-01	-1.32E-03	-9.88E-02	-6.43E-03	-7.93E-03	-5.08E-03	-7.67E-03	-4.66E+00
61	367980	758035	Residential	3.16E+00	2.39E+00	7.36E-01	9.85E+00	1.75E+00	-2.04E-01	7.16E-01	2.66E-01	-1.01E+00	-9.23E-01	-1.31E-03	-9.86E-02	-6.36E-03	-7.85E-03	-5.03E-03	-7.59E-03	-4.62E+00
62	368062	758005	Residential	3.99E+00	2.89E+00	1.15E+00	1.23E+01	2.12E+00	-2.12E-01	8.65E-01	3.31E-01	-7.79E-01	-7.27E-01	-1.37E-03	-1.02E-01	-6.63E-03	-8.20E-03	-5.25E-03	-7.92E-03	-4.81E+00
63	368144	757975	Residential	4.85E+00	3.40E+00	1.47E+00	1.48E+01	2.50E+00	-2.19E-01	1.02E+00	3.95E-01	-6.94E-01	-6.76E-01	-1.40E-03	-1.04E-01	-6.79E-03	-8.40E-03	-5.37E-03	-8.12E-03	-4.93E+00
64	368226	757945	Residential	5.73E+00	3.93E+00	1.82E+00	1.74E+01	2.89E+00	-2.28E-01	1.18E+00	4.62E-01	-5.76E-01	-5.93E-01	-1.40E-03	-1.04E-01	-6.80E-03	-8.41E-03	-5.38E-03	-8.13E-03	-4.94E+00
65	368301	757943	Residential	6.88E+00	4.62E+00	2.38E+00	2.08E+01	3.40E+00	-2.39E-01	1.38E+00	5.52E-01	-2.63E-01	-3.32E-01	-1.21E-03	-9.09E-02	-5.82E-03	-7.23E-03	-4.64E-03	-6.99E-03	-4.25E+00
66	368376	757941	Residential	7.94E+00	5.24E+00	2.92E+00	2.39E+01	3.86E+00	-2.44E-01	1.56E+00	6.35E-01	6.73E-02	-5.24E-02	-1.10E-03	-8.48E-02	-5.36E-03	-6.63E-03	-4.26E-03	-6.41E-03	-3.91E+00
67	368452	757940	Residential	8.38E+00	5.44E+00	3.36E+00	2.51E+01	4.01E+00	-2.25E-01	1.62E+00	6.72E-01	5.87E-01	4.16E-01	-1.03E-03	-8.09E-02	-5.02E-03	-6.19E-03	-3.99E-03	-5.99E-03	-3.66E+00
68	368527	757938	Residential	8.27E+00	5.45E+00	2.95E+00	2.48E+01	4.01E+00	-2.52E-01	1.63E+00	6.57E-01	-7.43E-02	-1.92E-01	-1.12E-03	-8.76E-02	-5.49E-03	-6.73E-03	-4.34E-03	-6.51E-03	-3.98E+00
69	368563	757880	Residential	9.24E+00	6.01E+00	3.50E+00	2.77E+01	4.43E+00	-2.53E-01	1.79E+00	7.34E-01	3.34E-01	1.60E-01	-1.08E-03	-8.49E-02	-5.24E-03	-6.48E-03	-4.18E-03	-6.26E-03	-3.83E+00
70	368636	757926	Residential	7.53E+00	5.04E+00	2.14E+00	2.27E+01	3.70E+00	-2.58E-01	1.51E+00	5.84E-01	-1.01E+00	-1.05E+00	-1.63E-03	-1.19E-01	-8.02E-03	-9.80E-03	-6.25E-03	-9.47E-03	-5.73E+00
71	368709	757971	Residential	3.49E+00	2.75E+00	-2.06E+00	1.08E+01	1.93E+00	-2.67E-01	8.26E-01	1.91E-01	-5.65E+00	-5.32E+00	-3.60E-03	-2.57E-01	-1.81E-02	-2.16E-02	-1.37E-02	-2.09E-02	-1.26E+01
72	368782	758017	Residential	1.63E+00	1.68E+00	-2.95E+00	5.43E+00	1.14E+00	-2.65E-01	5.09E-01	5.06E-02	-6.15E+00	-5.73E+00	-3.89E-03	-2.71E-01	-1.95E-02	-2.33E-02	-1.48E-02	-2.26E-02	-1.36E+01
73	368855	758062	Residential	2.32E+00	1.99E+00	-6.49E-01	7.50E+00	1.42E+00	-2.33E-01	5.99E-01	1.72E-01	-2.81E+00	-2.60E+00	-2.05E-03	-1.39E-01	-1.00E-02	-1.23E-02	-7.78E-03	-1.19E-02	-7.14E+00
74	368928	758108	Residential	2.24E+00	1.82E+00	7.12E-02	7.18E+00	1.32E+00	-1.91E-01	5.48E-01	1.84E-01	-1.55E+00	-1.42E+00	-1.35E-03	-9.66E-02	-6.66E-03	-8.12E-03	-5.17E-03	-7.85E-03	-4.74E+00
75	369001	758153	Residential	3.10E+00	2.27E+00	8.92E-01	9.63E+00	1.66E+00	-1.73E-01	6.79E-01	2.60E-01	-6.28E-01	-5.82E-01	-1.56E-03	-1.13E-01	-7.77E-03	-9.36E-03	-5.96E-03	-9.04E-03	-5.47E+00
76	369058	758074	Residential	3.38E+00	2.48E+00	8.68E-01	1.05E+01	1.81E+00	-1.90E-01	7.42E-01	2.80E-01	-8.46E-01	-7.89E-01	-1.72E-03	-1.26E-01	-8.63E-03	-1.03E-02	-6.60E-03	-9.99E-03	-6.05E+00
77	369102	758103	Residential	4.26E+00	2.98E+00	5.95E-01	1.30E+01	2.17E+00	-1.92E-01	8.92E-01	3.19E-01	-1.67E+00	-1.61E+00	-1.75E-03	-1.22E-01	-8.64E-03	-1.05E-02	-6.66E-03	-1.01E-02	-6.11E+00
78	369145	758132	Residential	4.97E+00	3.35E+00	1.10E+00	1.50E+01	2.45E+00	-1.77E-01	1.00E+00	3.75E-01	-1.18E+00	-1.17E+00	-2.08E-03	-1.42E-01	-1.02E-02	-1.25E-02	-7.90E-03	-1.21E-02	-7.25E+00
79	369200	758065	Residential	5.40E+00	3.60E+00	1.79E+00	1.63E+01	2.65E+00	-1.80E-01	1.08E+00	4.28E-01	-3.31E-01	-3.77E-01	-2.13E-03	-1.43E-01	-1.04E-02	-1.28E-02	-8.06E-03	-1.23E-02	-7.39E+00
80	369255	757998	Residential	5.31E+00	3.58E+00	2.49E+00	1.62E+01	2.65E+00	-1.88E-01	1.07E+00	4.53E-01	7.53E-01	6.70E-01	-2.19E-03	-1.49E-01	-1.07E-02	-1.32E-02	-8.32E-03	-1.27E-02	-7.63E+00
81	369310	757931	Residential	5.41E+00	3.65E+00	2.31E+00	1.65E+01	2.70E+00	-1.96E-01	1.09E+00	4.53E-01	4.14E-01	3.46E-01	-2.37E-03	-1.61E-01	-1.15E-02	-1.42E-02	-9.00E-03	-1.38E-02	-8.25E+00
82	369356	757981	Residential	4.47E+00	2.99E+00	1.89E+00	1.36E+01	2.21E+00	-1.49E-01	8.92E-01	3.71E-01	3.42E-01	2.80E-01	-2.12E-03	-1.42E-01	-1.02E-02	-1.27E-02	-8.02E-03	-1.23E-02	-7.36E+00
83	369403	758031	Residential	4.27E+00	2.80E+00	2.15E+00	1.29E+01	2.08E+00	-1.24E-01	8.35E-01	3.62E-01	9.19E-01	8.21E-01	-2.14E-03	-1.48E-01	-1.05E-02	-1.29E-02	-8.15E-03	-1.24E-02	-7.47E+00
92	369389	758634	Residential	1.64E+00	1.33E+00	2.25E-01	5.24E+00	9.69E-01	-1.38E-01	4.00E-01	1.41E-01	-8.72E-01	-7.85E-01	-1.48E-03	-1.03E-01	-7.23E-03	-8.85E-03	-5.61E-03	-8.56E-03	-5.15E+00
93	369469	758630	Residential	3.69E-01	7.15E-01	-1.46E+00	1.61E+00	4.83E-01	-1.79E-01	2.19E-01	1.32E-02	-3.01E+00	-2.75E+00	-3.15E-03	-2.20E-01	-1.58E-02	-1.89E-02	-1.20E-02	-1.83E-02	-1.10E+01
94	369549	758625	Residential	7.90E-02	5.70E-01	-2.22E+00	7.40E-01	3.58E-01	-1.86E-01	1.76E-01	-3.10E-02	-4.07E+00	-3.74E+00	-3.56E-03	-2.49E-01	-1.79E-02	-2.14E-02	-1.36E-02	-2.07E-02	-1.24E+01
95	369630	758621	Residential	3.27E-01	7.17E-01	-1.76E+00	1.50E+00	4.77E-01	-1.88E-01	2.20E-01	1.68E-03	-3.49E+00	-3.20E+00	-2.28E-03	-1.58E-01	-1.14E-02	-1.37E-02	-8.67E-03	-1.32E-02	-7.95E+00
96	369710	758617	Residential	1.43E+00	1.23E+00	-3.21E-01	4.61E+00	8.83E-01	-1.46E-01	3.71E-01	1.09E-01	-1.65E+00	-1.51E+00	-1.84E-03	-1.29E-01	-9.19E-03	-1.10E-02	-7.01E-03	-1.07E-02	-6.43E+00
97	369791	758613	Residential	2.36E+00	1.66E+00	4.73E-01	7.22E+00	1.21E+00	-1.11E-01	4.98E-01	1.84E-01	-7.21E-01	-6.91E-01	-2.40E-03	-1.69E-01	-1.21E-02	-1.44E-02	-9.16E-03	-1.39E-02	-8.40E+00
98	369791	758514	Residential	2.69E+00	1.85E+00	6.60E-01	8.18E+00	1.35E+00	-1.10E-01	5.54E-01	2.09E-01	-6.05E-01	-5.87E-01	-2.31E-03	-1.62E-01	-1.16E-02	-1.38E-02	-8.79E-03	-1.34E-02	-8.06E+00
99	369791	758416	Residential	3.06E+00	2.06E+00	9.37E-01	9.26E+00	1.51E+00	-1.06E-01	6.14E-01	2.41E-01	-3.46E-01	-3.53E-01	-2.17E-03	-1.53E-01	-1.09E-02	-1.30E-02	-8.29E-03	-1.26E-02	-7.60E+00
100	369791	758318	Residential	3.72E+00	2.40E+00	9.50E-01	1.11E+01	1.76E+00	-9.62E-02	7.17E-01	2.76E-01	-5.86E-01	-6.17E-01	-2.14E-03	-1.51E-01	-1.08E-02	-1.29E-02	-8.17E-03	-1.24E-02	-7.50E+00
101	369881	758318	Residential	2.14E+00	1.62E+00	-1.03E-01	6.67E+00	1.17E+00	-1.40E-01	4.87E-01	1.56E-01	-1.63E+00	-1.52E+00	-2.80E-03	-1.96E-01	-1.41E-02	-1.68E-02	-1.07E-02	-1.62E-02	-9.77E+00
102	369972	758318	Residential	-6.67E-02	5.15E-01	-1.33E+00	4.97E-01	3.44E-01	-1.96E-01	1.60E-01	-1.18E-03	-2.66E+00	-2.39E+00	-2.79E-03	-1.96E-01	-1.41E-02	-1.67E-02	-1.06E-02	-1.62E-02	-9.75E+00
103	370062	758318	Residential	1.53E-01	6.78E-01	-1.61E+00	1.15E+00	4.54E-01	-2.09E-01	2.09E-01	4.07E-03	-3.20E+00	-2.92E+00	-2.07E-03	-1.49E-01	-1.05E-02	-1.24E-02	-7.91E-03	-1.20E-02	-7.25E+00
104	370153	758318	Residential	3.69E-01	7.97E-01	-1.78E+00	1.74E+00	5.34E-01	-2.07E-01	2.44E-01	8.74E-03	-3.59E+00	-3.28E+00	-1.94E-03	-1.38E-01	-9.78E-03	-1.17E-02	-7.41E-03	-1.13E-02	-6.80E+00
105	370243	758318	Residential	4.17E-01	8.59E-01	-2.00E+00	1.90E+00	5.73E-01	-2.20E-01	2.62E-01	6.42E-03	-3.96E+00	-3.64E+00	-2.55E-03	-1.78E-01	-1.28E-02	-1.53E-02	-9.71E-03	-1.48E-02	-8.91E+00
111	370408	758347	Residential	-5.62E-01	3.94E-01	-3.25E+00	-8.87E-01	2.07E-01	-2.54E-01	1.26E-01	-8.90E-02	-5.56E+00	-5.10E+00	-3.77E-03	-2.66E-01	-1.91E-02	-2.26E-02	-1.44E-02	-2.19E-02	-1.32E+01
112	370490	758344	Residential	-1.57E+00	-9.85E-02	-3.30E+00	-3.66E+00	-1.46E-01	-2.85E-01	-1.84E-02	-1.40E-01	-5.29E+00	-4.78E+00	-3.24E-03	-2.31E-01	-1.65E-02	-1.94E-02	-1.24E-02	-1.88E-02	-1.13E+01
113	370572	758341	Residential	-1.10E+00	2.11E-01	-3.70E+00	-2.30E+00	6.56E-02	-2.99E-01	7.36E-02	-1.25E-01	-6.14E+00	-5.60E+00	-2.90E-03	-2.02E-01	-1.46E-02	-1.74E-02	-1.10E-02	-1.68E-02	-1.01E+01
114	370654	758338	Residential	-2.64E-01	7.91E-01	-3.45E+00	2.45E-01	4.90E-01	-3.34E-01	2.46E-01	-5.73E-02	-6.24E+00	-5.71E+00	-2.90E-03	-2.06E-01	-1.46E-02	-1.74E-02	-1.11E-02	-1.68E-02	-1.01E+01
115	370735	758335	Residential	6.36E-01	1.12E+00	-2.27E+00	2.67E+00	7.59E-01	-2.69E-01	3.43E-01	2.20E-02	-4.67E+00	-4.28E+00	-2.41E-03	-1.73E-01	-1.21E-02	-1.44E-02	-9.20E-03	-1.40E-02	-8.44E+00
116	370817	758333	Residential	1.09E+00	1.28E+00	-1.03E+00	3.95E+00	9.02E-01	-2.30E-01	3.88E-01	8.61E-02	-2.84E+00	-2.58E+00	-1.61E-03	-1.13E-01	-7.99E-03	-9.67E-03	-6.14E-03	-9.35E-03	-5.63E+00
130	371183	758027	Residential	3.87E+00	2.76E+00	1.49E+00	1.20E+01	2.04E+00	-1.93E-01	8.29E-01	3.32E-01	-1.80E-01	-1.52E-01	-1.93E-03	-1.33E-01	-9.31E-03	-1.16E-02	-7.34E-03	-1.12E-02	-6.73E+00
131	371248	758024	Residential	4.05E+00	2.90E+00	1.25E+00	1.25E+01	2.13E+00	-2.03E-01	8.67E-01	3.36E-01	-6.19E-01	-5.85E-01	-1.87E-03	-1.30E-01	-8.98E-03	-1.12E-02	-7.10E-03	-1.08E-02	-6.52E+00
132	371326	758075	Residential	3.88E+00	2.75E+00	1.24E+00	1.19E+01	2.02E+00	-1.84E-01	8.23E-01	3.21E-01	-5.09E-01	-4.81E-01	-1.82E-03	-1.21E-01	-8.72E-03	-1.09E-02	-6.88E-03	-1.05E-02	-6.31E+00
133	371404	758127	Residential	3.48E+00	2.48E+00	1.38E+00	1.08E+01	1.83E+00	-1.72E-01	7.45E-01	3.01E-01	-1.11E-01	-8.09E-02	-1.62E-03	-1.07E-01	-7.74E-03	-9.69E-03	-6.11E-03	-9.37E-03	-5.60E+00

Table 3-8A
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study for Onsite Workers and Offsite Receptors - Alternative 7, Horizon Year 2025 - Maximum Range Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m^3)	acrolein (µg/m^3)	benzene (µg/m^3)	formaldehyde (µg/m^3)	methyl alcohol (µg/m^3)	methyl ethyl ketone (µg/m^3)	phenol (carbolic acid) (µg/m^3)	styrene (µg/m^3)	toluene (µg/m^3)	xylene, total (µg/m^3)	arsenic (µg/m^3)	chlorine (µg/m^3)	copper (µg/m^3)	mercury (µg/m^3)	nickel (µg/m^3)	vanadium (µg/m^3)	sulfates (µg/m^3)
134	371481	758178	Residential	3.28E+00	2.35E+00	1.40E+00	1.01E+01	1.74E+00	-1.69E-01	7.07E-01	2.88E-01	1.23E-02	4.51E-02	-1.44E-03	-9.59E-02	-6.89E-03	-8.65E-03	-5.45E-03	-8.36E-03	-5.00E+00
135	371559	758230	Residential	3.10E+00	2.24E+00	1.45E+00	9.62E+00	1.66E+00	-1.64E-01	6.72E-01	2.78E-01	1.72E-01	2.03E-01	-1.38E-03	-8.66E-02	-6.56E-03	-8.25E-03	-5.17E-03	-7.98E-03	-4.74E+00
136	371637	758281	Residential	2.95E+00	2.10E+00	1.49E+00	9.13E+00	1.56E+00	-1.46E-01	6.32E-01	2.67E-01	3.42E-01	3.63E-01	-1.33E-03	-7.68E-02	-6.28E-03	-7.96E-03	-4.94E-03	-7.69E-03	-4.53E+00
137	371715	758333	Residential	2.77E+00	1.98E+00	1.50E+00	8.60E+00	1.48E+00	-1.40E-01	5.96E-01	2.55E-01	4.60E-01	4.79E-01	-1.23E-03	-7.21E-02	-5.83E-03	-7.39E-03	-4.59E-03	-7.14E-03	-4.21E+00
138	371769	758261	Residential	2.25E+00	1.69E+00	1.71E+00	7.14E+00	1.27E+00	-1.42E-01	5.09E-01	2.35E-01	1.03E+00	1.05E+00	-1.12E-03	-6.60E-02	-5.31E-03	-6.74E-03	-4.19E-03	-6.52E-03	-3.85E+00
139	371822	758189	Residential	1.17E+00	1.42E+00	5.55E-01	4.46E+00	1.05E+00	-2.65E-01	4.32E-01	1.63E-01	-5.33E-01	-3.60E-01	-9.23E-04	-6.33E-02	-4.39E-03	-5.54E-03	-3.51E-03	-5.36E-03	-3.22E+00
140	371894	758160	Residential	8.29E-01	1.51E+00	-1.39E-01	3.83E+00	1.10E+00	-3.66E-01	4.60E-01	1.46E-01	-1.64E+00	-1.38E+00	-1.06E-03	-9.00E-02	-5.20E-03	-6.33E-03	-4.14E-03	-6.12E-03	-3.79E+00
141	371894	758081	Residential	4.87E-01	1.55E+00	-1.18E+00	3.07E+00	1.10E+00	-4.48E-01	4.73E-01	1.09E-01	-3.32E+00	-2.91E+00	-1.27E-03	-1.21E-01	-6.41E-03	-7.62E-03	-5.07E-03	-7.37E-03	-4.65E+00
142	371959	758074	Residential	7.05E-01	1.61E+00	-1.07E+00	3.61E+00	1.15E+00	-4.27E-01	4.92E-01	1.19E-01	-3.22E+00	-2.83E+00	-1.36E-03	-1.10E-01	-6.68E-03	-8.14E-03	-5.28E-03	-7.87E-03	-4.84E+00
155	372055	757363	Residential	1.21E+00	1.74E+00	-2.85E-01	5.16E+00	1.26E+00	-3.71E-01	5.30E-01	1.62E-01	-2.16E+00	-1.84E+00	-1.19E-03	-1.11E-01	-5.98E-03	-7.17E-03	-4.74E-03	-6.93E-03	-4.35E+00
297	370239	755427	Residential	5.33E+00	3.53E+00	3.00E+00	1.61E+01	2.63E+00	-1.66E-01	1.05E+00	4.68E-01	1.59E+00	1.46E+00	-3.33E-03	-2.32E-01	-1.60E-02	-2.00E-02	-1.27E-02	-1.93E-02	-1.16E+01
298	370138	755427	Residential	6.33E+00	3.93E+00	4.49E+00	1.89E+01	2.95E+00	-1.06E-01	1.17E+00	5.67E-01	3.63E+00	3.32E+00	-3.26E-03	-2.21E-01	-1.56E-02	-1.96E-02	-1.24E-02	-1.89E-02	-1.14E+01
299	370040	755427	Residential	1.60E-01	7.72E-01	-2.45E+00	1.17E+00	4.99E-01	-2.41E-01	2.38E-01	-2.00E-02	-4.62E+00	-4.24E+00	-2.78E-03	-1.91E-01	-1.33E-02	-1.67E-02	-1.06E-02	-1.61E-02	-9.69E+00
300	369941	755426	Residential	1.52E+00	1.44E+00	-1.26E+00	5.01E+00	1.01E+00	-2.03E-01	4.36E-01	9.36E-02	-3.29E+00	-3.05E+00	-3.47E-03	-2.40E-01	-1.71E-02	-2.08E-02	-1.32E-02	-2.01E-02	-1.21E+01
301	369842	755426	Residential	2.41E+00	1.93E+00	-3.17E-01	7.61E+00	1.39E+00	-1.96E-01	5.81E-01	1.79E-01	-2.22E+00	-2.07E+00	-2.58E-03	-1.83E-01	-1.27E-02	-1.55E-02	-9.85E-03	-1.50E-02	-9.04E+00
304	369544	755434	Residential	2.61E-01	9.09E-01	-2.68E+00	1.55E+00	5.93E-01	-2.69E-01	2.79E-01	-1.53E-02	-5.09E+00	-4.68E+00	-3.22E-03	-2.31E-01	-1.61E-02	-1.93E-02	-1.23E-02	-1.87E-02	-1.13E+01
305	369445	755434	Residential	2.19E+00	1.90E+00	-7.97E-01	7.07E+00	1.36E+00	-2.28E-01	5.73E-01	1.57E-01	-3.00E+00	-2.77E+00	-2.87E-03	-2.03E-01	-1.44E-02	-1.72E-02	-1.09E-02	-1.66E-02	-1.00E+01
306	369346	755434	Residential	3.32E+00	2.50E+00	-6.86E-02	1.03E+01	1.81E+00	-2.13E-01	7.51E-01	2.45E-01	-2.36E+00	-2.21E+00	-3.39E-03	-2.36E-01	-1.69E-02	-2.03E-02	-1.29E-02	-1.97E-02	-1.18E+01
310	368953	755441	Residential	2.33E+00	2.12E+00	-5.57E-02	7.74E+00	1.54E+00	-2.78E-01	6.41E-01	2.08E-01	-2.08E+00	-1.86E+00	-1.59E-03	-1.09E-01	-7.80E-03	-9.56E-03	-6.05E-03	-9.24E-03	-5.55E+00
311	368854	755441	Residential	2.11E+00	1.91E+00	-4.23E-01	6.96E+00	1.37E+00	-2.47E-01	5.75E-01	1.73E-01	-2.43E+00	-2.21E+00	-2.18E-03	-1.52E-01	-1.08E-02	-1.31E-02	-8.31E-03	-1.27E-02	-7.62E+00
312	368755	755441	Residential	2.23E+00	1.89E+00	-3.76E-01	7.20E+00	1.36E+00	-2.14E-01	5.68E-01	1.72E-01	-2.30E+00	-2.12E+00	-2.01E-03	-1.42E-01	-9.90E-03	-1.21E-02	-7.67E-03	-1.17E-02	-7.04E+00
313	368657	755441	Residential	2.67E+00	2.09E+00	3.13E-02	8.43E+00	1.52E+00	-1.99E-01	6.29E-01	2.09E-01	-1.83E+00	-1.69E+00	-1.80E-03	-1.27E-01	-8.87E-03	-1.08E-02	-6.85E-03	-1.04E-02	-6.29E+00
314	368558	755440	Residential	3.13E+00	2.32E+00	2.78E-01	9.72E+00	1.68E+00	-1.86E-01	6.95E-01	2.41E-01	-1.62E+00	-1.52E+00	-1.46E-03	-1.04E-01	-7.14E-03	-8.78E-03	-5.58E-03	-8.48E-03	-5.12E+00
315	368459	755440	Residential	3.54E+00	2.54E+00	1.06E+00	1.10E+01	1.86E+00	-1.81E-01	7.61E-01	2.94E-01	-5.83E-01	-5.52E-01	-1.14E-03	-8.05E-02	-5.47E-03	-6.82E-03	-4.34E-03	-6.60E-03	-3.98E+00
316	368360	755440	Residential	4.07E+00	2.80E+00	1.48E+00	1.25E+01	2.06E+00	-1.66E-01	8.38E-01	3.36E-01	-1.52E-01	-1.69E-01	-8.10E-04	-5.58E-02	-3.78E-03	-4.86E-03	-3.08E-03	-4.70E-03	-2.82E+00
317	368262	755439	Residential	4.16E+00	2.85E+00	1.53E+00	1.27E+01	2.10E+00	-1.65E-01	8.51E-01	3.43E-01	-1.01E-01	-1.26E-01	-1.18E-03	-8.35E-02	-5.70E-03	-7.06E-03	-4.49E-03	-6.83E-03	-4.12E+00
318	368186	755427	Residential	3.96E+00	2.75E+00	1.42E+00	1.22E+01	2.02E+00	-1.69E-01	8.21E-01	3.28E-01	-1.92E-01	-2.03E-01	-1.35E-03	-9.66E-02	-6.62E-03	-8.12E-03	-5.17E-03	-7.85E-03	-4.74E+00
319	368111	755414	Residential	3.75E+00	2.63E+00	1.33E+00	1.16E+01	1.94E+00	-1.70E-01	7.87E-01	3.13E-01	-2.43E-01	-2.42E-01	-1.48E-03	-1.06E-01	-7.27E-03	-8.85E-03	-5.64E-03	-8.56E-03	-5.17E+00
46	367504	757948	School	5.20E+00	3.36E+00	2.89E+00	1.56E+01	2.50E+00	-1.35E-01	1.00E+00	4.47E-01	1.59E+00	1.44E+00	-9.74E-04	-6.92E-02	-4.54E-03	-5.84E-03	-3.72E-03	-5.65E-03	-3.41E+00
47	367544	757873	School	5.51E+00	3.57E+00	2.75E+00	1.65E+01	2.65E+00	-1.45E-01	1.07E+00	4.62E-01	1.19E+00	1.05E+00	-1.10E-03	-8.00E-02	-5.21E-03	-6.61E-03	-4.21E-03	-6.39E-03	-3.86E+00
48	367587	757909	School	5.41E+00	3.50E+00	2.99E+00	1.62E+01	2.61E+00	-1.42E-01	1.04E+00	4.65E-01	1.64E+00	1.48E+00	-1.03E-03	-7.37E-02	-4.83E-03	-6.19E-03	-3.94E-03	-5.98E-03	-3.61E+00
49	367623	757866	School	5.58E+00	3.63E+00	2.91E+00	1.68E+01	2.70E+00	-1.52E-01	1.08E+00	4.74E-01	1.39E+00	1.24E+00	-1.09E-03	-7.88E-02	-5.12E-03	-6.53E-03	-4.16E-03	-6.31E-03	-3.82E+00
50	367694	757866	School	5.55E+00	3.62E+00	3.04E+00	1.67E+01	2.70E+00	-1.57E-01	1.08E+00	4.79E-01	1.60E+00	1.45E+00	-1.09E-03	-7.80E-02	-5.11E-03	-6.54E-03	-4.16E-03	-6.32E-03	-3.82E+00
51	367716	757927	School	4.79E+00	3.20E+00	2.40E+00	1.45E+01	2.38E+00	-1.61E-01	9.58E-01	4.12E-01	9.23E-01	8.35E-01	-1.20E-03	-8.67E-02	-5.66E-03	-7.19E-03	-4.58E-03	-6.95E-03	-4.20E+00
52	367737	757988	School	4.36E+00	2.95E+00	1.65E+00	1.32E+01	2.18E+00	-1.61E-01	8.83E-01	3.58E-01	-3.94E-02	-6.11E-02	-1.30E-03	-9.42E-02	-6.22E-03	-7.83E-03	-4.99E-03	-7.57E-03	-4.58E+00
53	367727	758067	School	3.81E+00	2.64E+00	9.72E-01	1.15E+01	1.93E+00	-1.63E-01	7.91E-01	3.00E-01	-8.37E-01	-8.02E-01	-1.32E-03	-9.54E-02	-6.32E-03	-7.89E-03	-5.03E-03	-7.63E-03	-4.62E+00
54	367716	758146	School	3.15E+00	2.27E+00	7.19E-01	9.64E+00	1.66E+00	-1.64E-01	6.80E-01	2.53E-01	-9.23E-01	-8.60E-01	-1.30E-03	-9.52E-02	-6.32E-03	-7.82E-03	-4.99E-03	-7.56E-03	-4.58E+00
56	367723	758254	School	2.53E+00	2.01E+00	6.58E-01	8.03E+00	1.48E+00	-1.98E-01	6.05E-01	2.26E-01	-8.04E-01	-7.12E-01	-9.97E-04	-7.52E-02	-4.80E-03	-5.98E-03	-3.83E-03	-5.78E-03	-3.52E+00
57	367784	758221	School	2.57E+00	2.05E+00	6.44E-01	8.15E+00	1.50E+00	-2.03E-01	6.15E-01	2.29E-01	-8.58E-01	-7.61E-01	-1.03E-03	-7.72E-02	-4.97E-03	-6.20E-03	-3.97E-03	-5.99E-03	-3.64E+00
58	367845	758189	School	3.10E+00	2.35E+00	8.82E-01	9.69E+00	1.73E+00	-2.03E-01	7.06E-01	2.68E-01	-7.34E-01	-6.64E-01	-1.07E-03	-7.92E-02	-5.13E-03	-6.41E-03	-4.10E-03	-6.19E-03	-3.76E+00
106	370247	758254	School	4.76E-01	8.98E-01	-2.02E+00	2.08E+00	6.00E-01	-2.21E-01	2.74E-01	9.43E-03	-4.03E+00	-3.71E+00	-2.82E-03	-1.97E-01	-1.42E-02	-1.69E-02	-1.07E-02	-1.63E-02	-9.84E+00
107	370250	758189	School	3.47E-01	8.62E-01	-2.26E+00	1.75E+00	5.69E-01	-2.35E-01	2.64E-01	-3.58E-03	-4.39E+00	-4.03E+00	-3.16E-03	-2.22E-01	-1.59E-02	-1.89E-02	-1.20E-02	-1.83E-02	-1.10E+01
108	370308	758196	School	3.06E-01	8.12E-01	-2.04E+00	1.62E+00	5.39E-01	-2.25E-01	2.49E-01	3.33E-04	-3.99E+00	-3.66E+00	-3.95E-03	-2.77E-01	-2.00E-02	-2.37E-02	-1.51E-02	-2.29E-02	-1.38E+01
109	370361	758236	School	-1.60E-01	5.68E-01	-2.83E+00	2.36E-01	3.43E-01	-2.34E-01	1.77E-01	-5.51E-02	-5.04E+00	-4.63E+00	-4.16E-03	-2.92E-01	-2.10E-02	-2.50E-02	-1.59E-02	-2.41E-02	-1.45E+01
110	370415	758275	School	-6.10E-01	3.95E-01	-3.40E+00	-9.92E-01	2.04E-01	-2.64E-01	1.27E-01	-9.46E-02	-5.80E+00	-5.32E+00	-3.80E-03	-2.68E-01	-1.93E-02	-2.28E-02	-1.45E-02	-2.21E-02	-1.33E+01
302	369741	755435	School	-8.55E-02	6.73E-01	-3.36E+00	4.32E-01	4.04E-01	-2.56E-01	2.09E-01	-6.59E-02	-5.97E+00	-5.51E+00	-1.34E-03	-9.54E-02	-6.40E-03	-8.02E-03	-5.10E-03	-7.75E-03	-4.68E+00
303	369643	755434	School	9.35E-01	1.18E+00	-4.20E-01	3.52E+00	8.50E-01	-2.28E-01	3.60E-01	1.00E-01	-1.88E+00	-1.64E+00	-1.39E-03	-1.01E-01	-6.81E-03	-8.36E-03	-5.33E-03	-8.08E-03	-4.89E+00

Note: Shaded cells indicate locations where concentrations were highest within each land use category.

Table 3-8B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 7, Horizon Year 2025 - Maximum Range
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m³)	acetaldehyde Acute Hazard	acrolein (µg/m³)	acrolein Acute Hazard	benzene (µg/m³)	benzene Acute Hazard	formaldehyde (µg/m³)	formaldehyde Acute Hazard	methyl alcohol (µg/m³)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m³)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m³)	phenol (carbolic acid) Acute Hazard	styrene (µg/m³)	styrene Acute Hazard	toluene (µg/m³)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
117	370814	758243	Offsite Worker	1.34E+00	2.85E-03	1.44E+00	5.75E-01	-8.11E-01	-6.24E-04	4.72E+00	8.58E-02	1.02E+00	3.65E-05	-2.37E-01	-1.82E-05	4.35E-01	7.51E-05	1.11E-01	5.27E-06	-2.64E+00	-7.13E-05
118	370810	758153	Offsite Worker	1.43E+00	3.04E-03	1.51E+00	6.05E-01	-7.56E-01	-5.81E-04	5.02E+00	9.13E-02	1.08E+00	3.85E-05	-2.45E-01	-1.88E-05	4.58E-01	7.89E-05	1.20E-01	5.73E-06	-2.61E+00	-7.06E-05
119	370807	758063	Offsite Worker	1.96E+00	4.18E-03	1.83E+00	7.31E-01	-3.22E-01	-2.47E-04	6.61E+00	1.20E-01	1.32E+00	4.70E-05	-2.48E-01	-1.91E-05	5.51E-01	9.50E-05	1.69E-01	8.03E-06	-2.20E+00	-5.94E-05
120	370803	757974	Offsite Worker	2.48E+00	5.29E-03	2.18E+00	8.71E-01	-4.69E-01	-3.61E-04	8.17E+00	1.49E-01	1.57E+00	5.59E-05	-2.66E-01	-2.05E-05	6.56E-01	1.13E-04	1.98E-01	9.41E-06	-2.72E+00	-7.34E-05
121	370835	757927	Offsite Worker	3.30E+00	7.01E-03	2.51E+00	1.00E+00	-6.42E-01	-4.94E-04	1.03E+01	1.87E-01	1.80E+00	6.43E-05	-2.21E-01	-1.70E-05	7.54E-01	1.30E-04	2.24E-01	1.07E-05	-3.23E+00	-8.73E-05
122	370868	757880	Offsite Worker	3.13E+00	6.65E-03	2.44E+00	9.77E-01	4.08E-02	3.14E-05	9.94E+00	1.81E-01	1.77E+00	6.32E-05	-2.30E-01	-1.77E-05	7.33E-01	1.26E-04	2.44E-01	1.16E-05	-2.11E+00	-5.70E-05
123	370921	757884	Offsite Worker	3.18E+00	6.78E-03	2.45E+00	9.82E-01	-1.66E-01	-1.28E-04	1.00E+01	1.82E-01	1.77E+00	6.33E-05	-2.23E-01	-1.71E-05	7.38E-01	1.27E-04	2.36E-01	1.13E-05	-2.51E+00	-6.77E-05
124	370975	757887	Offsite Worker	3.46E+00	7.37E-03	2.65E+00	1.06E+00	3.41E-01	2.62E-04	1.09E+01	1.98E-01	1.93E+00	6.88E-05	-2.36E-01	-1.81E-05	7.96E-01	1.37E-04	2.76E-01	1.32E-05	-1.85E+00	-5.00E-05
125	370975	757794	Offsite Worker	4.49E+00	9.55E-03	3.32E+00	1.33E+00	1.63E+00	1.25E-03	1.41E+01	2.56E-01	2.44E+00	8.73E-05	-2.64E-01	-2.03E-05	9.95E-01	1.72E-04	3.93E-01	1.87E-05	-4.18E-01	-1.13E-05
126	371026	757794	Offsite Worker	4.80E+00	1.02E-02	3.55E+00	1.42E+00	1.18E+00	9.10E-04	1.50E+01	2.72E-01	2.60E+00	9.29E-05	-2.84E-01	-2.18E-05	1.06E+00	1.84E-04	3.99E-01	1.90E-05	-1.31E+00	-3.53E-05
127	371076	757877	Offsite Worker	4.46E+00	9.49E-03	3.24E+00	1.30E+00	1.54E+00	1.18E-03	1.39E+01	2.52E-01	2.39E+00	8.52E-05	-2.42E-01	-1.86E-05	9.71E-01	1.67E-04	3.82E-01	1.82E-05	-4.95E-01	-1.34E-05
128	371126	757959	Offsite Worker	4.25E+00	9.04E-03	3.02E+00	1.21E+00	1.81E+00	1.39E-03	1.32E+01	2.39E-01	2.23E+00	7.97E-05	-2.07E-01	-1.59E-05	9.05E-01	1.56E-04	3.71E-01	1.76E-05	1.12E-01	3.03E-06
129	371119	758031	Offsite Worker	3.43E+00	7.31E-03	2.60E+00	1.04E+00	1.28E+00	9.87E-04	1.08E+01	1.97E-01	1.92E+00	6.85E-05	-2.24E-01	-1.72E-05	7.81E-01	1.35E-04	3.09E-01	1.47E-05	-3.42E-01	-9.23E-06
143	371953	757977	Offsite Worker	1.40E+00	2.98E-03	1.94E+00	7.75E-01	-1.63E-01	-1.25E-04	5.57E+00	1.01E-01	1.41E+00	5.03E-05	-4.01E-01	-3.08E-05	5.88E-01	1.01E-04	1.87E-01	8.89E-06	-2.08E+00	-5.62E-05
144	371948	757880	Offsite Worker	1.91E+00	4.07E-03	1.97E+00	7.88E-01	-3.33E-01	-2.56E-04	6.66E+00	1.21E-01	1.42E+00	5.08E-05	-3.09E-01	-2.37E-05	5.95E-01	1.03E-04	1.83E-01	8.70E-06	-2.35E+00	-6.36E-05
145	371943	757783	Offsite Worker	9.02E-01	1.92E-03	1.72E+00	6.89E-01	-2.26E+00	-1.74E-03	4.07E+00	7.41E-02	1.20E+00	4.27E-05	-4.26E-01	-3.28E-05	5.24E-01	9.04E-05	8.30E-02	3.95E-06	-5.12E+00	-1.38E-04
146	372016	757794	Offsite Worker	9.94E-01	2.12E-03	1.63E+00	6.52E-01	-2.19E+00	-1.69E-03	4.13E+00	7.52E-02	1.13E+00	4.03E-05	-3.75E-01	-2.88E-05	4.96E-01	8.54E-05	7.59E-02	3.61E-06	-4.95E+00	-1.34E-04
147	372102	757791	Offsite Worker	1.01E+00	2.14E-03	1.54E+00	6.15E-01	-2.14E+00	-1.65E-03	4.03E+00	7.33E-02	1.06E+00	3.80E-05	-3.40E-01	-2.62E-05	4.68E-01	8.07E-05	6.85E-02	3.26E-06	-4.82E+00	-1.30E-04
148	372178	757760	Offsite Worker	8.76E-01	1.86E-03	1.51E+00	6.06E-01	-1.50E+00	-1.15E-03	3.81E+00	6.92E-02	1.07E+00	3.81E-05	-3.58E-01	-2.75E-05	4.62E-01	7.97E-05	9.18E-02	4.37E-06	-3.82E+00	-1.03E-04
149	372177	757670	Offsite Worker	1.41E+00	2.99E-03	1.73E+00	6.90E-01	-7.74E-01	-5.96E-04	5.28E+00	9.60E-02	1.24E+00	4.41E-05	-3.25E-01	-2.50E-05	5.24E-01	9.03E-05	1.41E-01	6.71E-06	-2.87E+00	-7.77E-05
150	372176	757579	Offsite Worker	1.58E+00	3.36E-03	1.94E+00	7.74E-01	-2.58E-01	-1.98E-04	6.01E+00	1.09E-01	1.40E+00	5.01E-05	-3.64E-01	-2.80E-05	5.88E-01	1.01E-04	1.82E-01	8.69E-06	-2.27E+00	-6.13E-05
151	372174	757489	Offsite Worker	1.59E+00	3.39E-03	1.97E+00	7.89E-01	-4.04E-01	-3.11E-04	6.12E+00	1.11E-01	1.43E+00	5.09E-05	-3.74E-01	-2.88E-05	5.98E-01	1.03E-04	1.80E-01	8.59E-06	-2.51E+00	-6.78E-05
152	372173	757398	Offsite Worker	1.80E+00	3.82E-03	1.86E+00	7.43E-01	2.01E-01	1.55E-04	6.50E+00	1.18E-01	1.36E+00	4.85E-05	-2.93E-01	-2.25E-05	5.63E-01	9.70E-05	1.92E-01	9.16E-06	-1.47E+00	-3.98E-05
153	372171	757308	Offsite Worker	3.00E+00	6.39E-03	2.28E+00	9.14E-01	1.60E+00	1.23E-03	9.82E+00	1.78E-01	1.70E+00	6.06E-05	-1.99E-01	-1.53E-05	6.87E-01	1.18E-04	2.89E-01	1.38E-05	3.64E-01	9.85E-06
154	372055	757309	Offsite Worker	2.32E+00	4.93E-03	2.15E+00	8.61E-01	5.52E-01	4.24E-04	8.15E+00	1.48E-01	1.58E+00	5.64E-05	-2.92E-01	-2.25E-05	6.51E-01	1.12E-04	2.35E-01	1.12E-05	-1.21E+00	-3.26E-05
156	372055	757416	Offsite Worker	1.27E+00	2.70E-03	1.95E+00	7.78E-01	-4.83E-01	-3.71E-04	5.49E+00	9.98E-02	1.41E+00	5.02E-05	-4.30E-01	-3.31E-05	5.92E-01	1.02E-04	1.75E-01	8.33E-06	-2.62E+00	-7.07E-05
157	371952	757442	Offsite Worker	2.49E+00	5.29E-03	2.50E+00	1.00E+00	1.36E-01	1.04E-04	8.80E+00	1.60E-01	1.82E+00	6.51E-05	-3.82E-01	-2.93E-05	7.57E-01	1.30E-04	2.54E-01	1.21E-05	-2.12E+00	-5.74E-05
158	371950	757345	Offsite Worker	3.73E-01	7.93E-04	1.71E+00	6.84E-01	-1.19E+00	-9.18E-04	3.51E+00	6.38E-02	1.22E+00	4.37E-05	-5.29E-01	-4.07E-05	5.24E-01	9.04E-05	1.24E-01	5.92E-06	-3.55E+00	-9.58E-05
159	371864	757344	Offsite Worker	1.66E-01	3.54E-04	1.86E+00	7.44E-01	-9.91E-01	-7.62E-04	3.37E+00	6.12E-02	1.34E+00	4.78E-05	-6.23E-01	-4.79E-05	5.71E-01	9.85E-05	1.48E-01	7.04E-06	-3.37E+00	-9.10E-05
160	371790	757347	Offsite Worker	9.47E-01	2.02E-03	2.13E+00	8.52E-01	-7.81E-02	-6.00E-05	5.41E+00	9.85E-02	1.56E+00	5.56E-05	-5.60E-01	-4.30E-05	6.50E-01	1.12E-04	2.10E-01	1.00E-05	-2.18E+00	-5.89E-05
161	371708	757356	Offsite Worker	2.63E+00	5.60E-03	2.62E+00	1.05E+00	7.09E-01	5.46E-04	9.56E+00	1.74E-01	1.92E+00	6.86E-05	-3.92E-01	-3.02E-05	7.91E-01	1.36E-04	2.88E-01	1.37E-05	-1.34E+00	-3.62E-05
162	371615	757356	Offsite Worker	3.60E+00	7.65E-03	2.90E+00	1.16E+00	1.14E+00	8.79E-04	1.20E+01	2.17E-01	2.13E+00	7.61E-05	-2.96E-01	-2.28E-05	8.72E-01	1.50E-04	3.32E-01	1.58E-05	-8.96E-01	-2.42E-05
163	371523	757356	Offsite Worker	4.20E+00	8.93E-03	3.18E+00	1.27E+00	1.46E+00	1.13E-03	1.36E+01	2.47E-01	2.34E+00	8.37E-05	-2.75E-01	-2.12E-05	9.56E-01	1.65E-04	3.73E-01	1.78E-05	-6.34E-01	-1.71E-05
164	371430	757356	Offsite Worker	4.68E+00	9.96E-03	3.47E+00	1.39E+00	1.91E+00	1.47E-03	1.50E+01	2.73E-01	2.56E+00	9.14E-05	-2.76E-01	-2.12E-05	1.04E+00	1.79E-04	4.19E-01	1.99E-05	-1.62E-01	-4.37E-06
165	371338	757356	Offsite Worker	4.61E+00	9.80E-03	3.58E+00	1.43E+00	1.78E+00	1.37E-03	1.50E+01	2.72E-01	2.64E+00	9.43E-05	-3.31E-01	-2.55E-05	1.08E+00	1.85E-04	4.25E-01	2.03E-05	-4.82E-01	-1.30E-05
166	371245	757356	Offsite Worker	4.00E+00	8.52E-03	3.53E+00	1.41E+00	1.16E+00	8.94E-04	1.35E+01	2.46E-01	2.59E+00	9.27E-05	-4.37E-01	-3.36E-05	1.06E+00	1.84E-04	3.97E-01	1.89E-05	-1.43E+00	-3.86E-05
167	371153	757356	Offsite Worker	3.67E+00	7.81E-03	3.52E+00	1.41E+00	1.25E-01	9.65E-05	1.26E+01	2.30E-01	2.56E+00	9.14E-05	-5.01E-01	-3.85E-05	1.06E+00	1.83E-04	3.55E-01	1.69E-05	-3.06E+00	-8.27E-05
168	371061	757356	Offsite Worker	4.07E+00	8.66E-03	3.88E+00	1.55E+00	-1.02E+00	-7.83E-04	1.38E+01	2.51E-01	2.79E+00	9.97E-05	-5.48E-01	-4.22E-05	1.17E+00	2.02E-04	3.46E-01	1.65E-05	-5.13E+00	-1.39E-04
169	371005	757357	Offsite Worker	4.72E+00	1.00E-02	4.36E+00	1.75E+00	-2.04E+00	-1.57E-03	1.57E+01	2.86E-01	3.11E+00	1.11E-04	-5.87E-01	-4.51E-05	1.31E+00	2.27E-04	3.54E-01	1.68E-05	-7.06E+00	-1.91E-04
170	370998	757293	Offsite Worker	2.69E+00	5.73E-03	3.48E+00	1.39E+00	-3.15E-01	-2.42E-04	1.05E+01	1.92E-01	2.53E+00	9.04E-05	-6.85E-01	-5.27E-05	1.06E+00	1.82E-04	3.35E-01	1.59E-05	-3.83E+00	-1.03E-04
171	370998	757194	Offsite Worker	4.90E+00	1.04E-02	4.27E+00	1.71E+00	4.29E+00	3.30E-03	1.71E+01	3.12E-01	3.22E+00	1.15E-04	-5.16E-01	-3.97E-05	1.29E+00	2.22E-04	5.94E-01	2.83E-05	2.67E+00	7.22E-05
172	370998	757096	Offsite Worker	3.50E+00	7.45E-03	3.59E+00	1.44E+00	4.19E+00	3.23E-03	1.36E+01	2.46E-01	2.73E+00	9.75E-05	-5.58E-01	-4.29E-05	1.09E+00	1.88E-04	5.22E-01	2.49E-05	3.00E+00	8.12E-05
173	370998	756998	Offsite Worker	3.80E-01	8.08E-04	1.78E+00	7.11E-01	-2.86E+00	-2.20E-03	3.86E+00	7.01E-02	1.25E+00	4.47E-05	-5.56E-01	-4.28E-05	5.70E-01	9.83E-05	5.74E-02	2.74E-06	-7.50E+00	-2.03E-04
174	371057	756997	Offsite Worker	1.44E+00	3.06E-03	2.09E+00	8.35E-01	-9.94E-01	-7.65E-04	6.76E+00	1.23E-01	1.51E+00	5.40E-05	-4.49E-01	-3.46E-05	6.50E-01	1.12E-04	1.64E-01	7.82E-06	-4.35E+00	-1.17E-04
175	371153	756997	Offsite Worker	8.15E-01	1.73E-03	1.96E+00	7.84E-01	-1.48E+00	-1.14E-03	5.28E+00	9.60E-02	1.41E+00	5.02E-05	-5.29E-01	-4.07E-05	6.10E-01	1.05E-04	1.34E-01	6.38E-06	-4.80E+00	-1.30E-04
176	371249	756997	Offsite Worker	8.82E-01	1.88E-03	1.98E+00	7.91E-01	-1.81E+00	-1.39E-03	5.38E+00	9.78E-02	1.41E+00	5.04E-05	-5.23E-01	-4.02E-05	6.17E-01	1.06E-04	1.22E-01	5.82E-06	-5.42E+00	-1.46E-04
177	371345	756997	Offsite Worker	2.14E+00	4.54E-03	2.41E+00	9.65E-01	-1.39E+00	-1.07E-03	8.56E+00	1.56E-01	1.73E+00	6.18E-05	-4.23E-01	-3.25E-05	7.45E-01	1.28E-04	1.81E-01	8.60E-06	-5.19E+00	-1.40E-04
178	371440	756997	Offsite Worker	3.65E+00	7.76E-03	3.04E+00	1.22E+00	7.44E-02	5.73E-05	1.28E+01	2.33E-01	2.21E+00	7.89E-05	-3.37E-01	-2.59E-05	9.20E-01	1.59E-04	3.03E-01	1.44E-05	-2.94E+00	-7.95E-05
179	371536	756997	Offsite Worker	4.38E+00	9.33E-03	3.30E+00	1.32E+00	1.22E+00	9.39E-04	1.48E+01	2.69E-01	2.42E+00	8.66E-05	-2.79E-01	-2.14E-05	9.93E-01	1.71E-04	3.74E-01	1.78E-05	-1.25E+00	-3.38E-05
180	371632	756997	Offsite Worker	4.66E+00	9.91E-03	3.32E+00	1.33E+00	2.18E+00	1.68E-03	1.55E+01	2.82E-01	2.46E+00	8.78E-05	-2.28E-01	-1.76E-05	9.96E-01	1.72E-04	4.14E-01	1.97E-05	2.82E-01	7.61E-06
181	371728	756997	Offsite Worker	4.69E+00	9.97E-03	3.22E+00	1.29E+00	2.53E+00	1.95E-03	1.55E+01	2.81E-01	2.40E+00	8.56E-05	-1.89E-01	-1.45E-05	9.66E-01	1.67E-04	4.18E-01	1.99E-05	9.60E-01	2.60E-05
182	371824	756997	Offsite Worker	4.01E+00	8.54E-03	2.84E+00	1.14E+00	1.89E+00	1.45E-03	1.35E+01	2.46E-01	2.11E+00	7.52E-05	-1.91E-01	-1.47E-05	8.53E-01	1.47E-04	3.55E-01	1.69E-05	2.92E-01	7.90E-06
183	371920	756997	Offsite Worker	2.40E+00	5.12E-03	2.00E+00	7.99E-01	1.75E+00	1.34E-03	9.02E+00	1.64E-01	1.50E+00	5.35E-05	-2.19E-01	-1.69E-05	6.04E-01	1.04E-04	2.66E-01	1.27E-05	7.25E-01	1.96E-05
184	372016	756997	Offsite Worker	2.47E+00	5.25E-03	1.99E+00	7.97E-01	2.45E+00	1.88E-03	9.22E+00	1.68E-01	1.51E+00	5.41E-05	-2.05E-01	-1.58E-05	6.02E-01	1.04E-04	2.94E-01	1.40E-05	1.82E+00	4.92E-05
185	372111	756997	Offsite Worker	3.98E+00	8.46E-03	2.69E+00	1.07E+00	5.00E+00	3.84E-03	1.35E+01	2.46E-01	2.08E+00	7.43E-05	-1.43E-01	-1.10E-05	8.07E-01	1.39E-04	4.63E-01	2.20E-05	5.23E+00	1.41E-04
186	372207	756997	Offsite Worker	1.97E+00	4.20E-03	1.66E+00	6.65E-01	2.28E+00	1.76E-03	7.75E+00	1.41E-01	1.27E+00	4.54E-05	-1.88E-01	-1.44E-05	5.04E-01	8.69E-05	2.54E-01	1.21E-05	1.84E+00	4.98E-05
187	372303	756997	Offsite Worker	3.24E+00	6.89E-03	2.28E+00	9.11E-01	3.52E+00	2.71E-03	1.13E+01	2.06E-01	1.75E+00	6.24E-05	-1.49E-01	-1.15E-05	6.85E-01	1.18E-04	3.64E-01	1.73E-05	3.30E+00	8.91E-05
188	372399	756997	Offsite Worker	4.21E+00	8.96E-03	2.75E+00	1.10E+00	5.07E+00	3.90E-03	1.41E+01	2.57E-01	2.13E+00	7.60E-05	-1.18E-01	-9.11E-06	8.24E-01	1.42E-04	4.72E-01	2.25E-05	5.32E+00	1.44E-04
189	372495	756997	Offsite Worker	6.54E+00	1.39E-02	3.88E+00	1.55E+00	9.36E+00	7.20E-03	2.09E+01	3.80E-01	3.06E+00	1.09E-04	-4.61E-02	-3.54E-06	1.16E+00	2.00E-04	7.54E-01	3.59E-05	1.10E+01	2.99E-04
190	372591	756997	Offsite Worker	6.83E+00	1.45E-02	4.00E+00	1.60E+00	9.73E+00	7.48E-03	2.17E+01	3.94E-01	3.15E+00	1.13E-04	-2.79E-02	-2.15E-06	1.19E+00	2.06E-04	7.80E-01	3.71E-05	1.15E+01	3.12E-04
191	372610	757063	Offsite Worker	6.14E+00	1.31E-02	3.63E+00	1.45E+00	8.96E+00	6.89E-03	1.92E+01	3.49E-01	2.87E+00	1.02E-04	-3.91E-02	-3.01E-06	1.08E+00	1.87E-04	7.13E-01	3.40E-05	1.06E+01	2.88E-04
192	372612	757132	Offsite Worker	3.97E+00	8.45E-03	2.53E+00	1.01E+00	4.14E+00	3.18E-03	1.28E+01	2.33E-01	1.94E+00	6.93E-05	-8.96E-02	-6.90E-06	7.58E-01	1.31E-04	4.14E-01	1.97E-05	4.11E+00	1.11E-04
193	372614	757201	Offsite Worker	1.32E+00	2.81E-03	1.20E+00	4.79E-01	5.18E-02	3.99E-05	5.57E+00	1.01E-01	8.72E-01	3.11E-05	-1.56E-01	-1.20E-05	3.63E-01	6.25E-05	1.20E-01	5.73E-06	-1.12E+00	-3.03E-05
194	372616	757270	Offsite Worker	2.00E+00	4.25E-03	1.54E+00	6.17E-01	1.25E+00	9.59E-04	7.04E+00	1.28E-01	1.15E+00	4.11E-05	-1.40E-01	-1.08E-05	4.65E-01	8.01E-05	2.02E-01	9.61E-06	4.64E-01	1.25E-05
195	372627	757351	Offsite Worker	2.27E+00	4.83E-03	1.70E+00	6.79E-01	1.90E+00	1.46E-03	7.69E+00	1.40E-01	1.28E+00	4.57E-05	-1.39E-01	-1.07E-05	5.10E-01	8.79E-05	2.43E-01	1.16E-05	1.36E+00	3.67E-05

Table 3-8B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 7, Horizon Year 2025 - Maximum Range
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m³)	acetaldehyde Acute Hazard	acrolein (µg/m³)	acrolein Acute Hazard	benzene (µg/m³)	benzene Acute Hazard	formaldehyde (µg/m³)	formaldehyde Acute Hazard	methyl alcohol (µg/m³)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m³)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m³)	phenol (carbolic acid) Acute Hazard	styrene (µg/m³)	styrene Acute Hazard	toluene (µg/m³)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
196	372651	757422	Offsite Worker	2.35E+00	4.99E-03	1.73E+00	6.93E-01	1.90E+00	1.46E-03	7.83E+00	1.42E-01	1.31E+00	4.67E-05	-1.36E-01	-1.05E-05	5.21E-01	8.98E-05	2.47E-01	1.17E-05	1.33E+00	3.59E-05
197	372676	757494	Offsite Worker	2.64E+00	5.61E-03	1.92E+00	7.69E-01	1.91E+00	1.47E-03	8.64E+00	1.57E-01	1.44E+00	5.16E-05	-1.45E-01	-1.11E-05	5.78E-01	9.96E-05	2.66E-01	1.27E-05	1.19E+00	3.21E-05
198	372704	757569	Offsite Worker	2.75E+00	5.85E-03	1.99E+00	7.95E-01	1.28E+00	9.83E-04	8.85E+00	1.61E-01	1.47E+00	5.26E-05	-1.46E-01	-1.12E-05	5.96E-01	1.03E-04	2.47E-01	1.18E-05	1.60E-01	4.33E-06
199	372733	757645	Offsite Worker	2.43E+00	5.17E-03	1.97E+00	7.89E-01	4.84E-01	3.72E-04	8.06E+00	1.47E-01	1.44E+00	5.15E-05	-2.05E-01	-1.58E-05	5.93E-01	1.02E-04	2.15E-01	1.02E-05	-1.05E+00	-2.84E-05
200	372746	757702	Offsite Worker	2.02E+00	4.30E-03	1.83E+00	7.31E-01	6.49E-02	5.00E-05	6.93E+00	1.26E-01	1.33E+00	4.74E-05	-2.37E-01	-1.82E-05	5.51E-01	9.50E-05	1.84E-01	8.76E-06	-1.59E+00	-4.29E-05
201	372746	757768	Offsite Worker	1.54E+00	3.29E-03	1.61E+00	6.45E-01	-2.21E-01	-1.70E-04	5.51E+00	1.00E-01	1.17E+00	4.16E-05	-2.57E-01	-1.98E-05	4.88E-01	8.41E-05	1.51E-01	7.21E-06	-1.87E+00	-5.06E-05
202	372807	757781	Offsite Worker	1.65E+00	3.51E-03	1.63E+00	6.51E-01	-1.02E-01	-7.85E-05	5.80E+00	1.06E-01	1.18E+00	4.22E-05	-2.42E-01	-1.86E-05	4.92E-01	8.49E-05	1.58E-01	7.51E-06	-1.69E+00	-4.57E-05
203	372901	757782	Offsite Worker	1.93E+00	4.11E-03	1.69E+00	6.76E-01	2.03E-01	1.56E-04	6.83E+00	1.24E-01	1.23E+00	4.40E-05	-2.06E-01	-1.58E-05	5.10E-01	8.79E-05	1.76E-01	8.37E-06	-1.26E+00	-3.40E-05
204	372994	757783	Offsite Worker	2.21E+00	4.71E-03	1.75E+00	7.02E-01	5.11E-01	3.93E-04	7.60E+00	1.38E-01	1.29E+00	4.59E-05	-1.72E-01	-1.32E-05	5.28E-01	9.10E-05	1.94E-01	9.24E-06	-8.23E-01	-2.22E-05
205	373087	757783	Offsite Worker	2.45E+00	5.21E-03	1.80E+00	7.18E-01	8.49E-01	6.53E-04	8.20E+00	1.49E-01	1.32E+00	4.72E-05	-1.39E-01	-1.07E-05	5.39E-01	9.29E-05	2.11E-01	1.01E-05	-3.25E-01	-8.80E-06
206	373180	757784	Offsite Worker	2.61E+00	5.55E-03	1.80E+00	7.20E-01	1.12E+00	8.59E-04	8.55E+00	1.56E-01	1.33E+00	4.76E-05	-1.08E-01	-8.33E-06	5.40E-01	9.31E-05	2.22E-01	1.06E-05	8.87E-02	2.40E-06
207	373274	757785	Offsite Worker	2.57E+00	5.47E-03	1.72E+00	6.87E-01	1.20E+00	9.23E-04	8.35E+00	1.52E-01	1.27E+00	4.55E-05	-8.64E-02	-6.65E-06	5.15E-01	8.88E-05	2.17E-01	1.03E-05	2.83E-01	7.64E-06
208	373367	757786	Offsite Worker	2.28E+00	4.85E-03	1.57E+00	6.27E-01	1.17E+00	8.98E-04	7.49E+00	1.36E-01	1.17E+00	4.16E-05	-9.23E-02	-7.10E-06	4.70E-01	8.11E-05	2.01E-01	9.57E-06	3.62E-01	9.78E-06
209	373418	757742	Offsite Worker	2.48E+00	5.28E-03	1.64E+00	6.57E-01	2.18E+00	1.67E-03	7.99E+00	1.45E-01	1.25E+00	4.45E-05	-7.78E-02	-5.99E-06	4.92E-01	8.49E-05	2.48E-01	1.18E-05	1.85E+00	5.00E-05
210	373418	757653	Offsite Worker	2.95E+00	6.27E-03	1.84E+00	7.35E-01	2.73E+00	2.10E-03	9.30E+00	1.69E-01	1.40E+00	5.00E-05	-5.17E-02	-3.98E-06	5.49E-01	9.47E-05	2.89E-01	1.38E-05	2.57E+00	6.95E-05
211	373419	757564	Offsite Worker	2.53E+00	5.39E-03	1.62E+00	6.50E-01	1.36E+00	1.04E-03	8.01E+00	1.46E-01	1.21E+00	4.32E-05	-6.10E-02	-4.69E-06	4.86E-01	8.37E-05	2.14E-01	1.02E-05	6.49E-01	1.76E-05
212	373419	757475	Offsite Worker	1.57E+00	3.34E-03	1.14E+00	4.56E-01	4.98E-01	3.83E-04	5.27E+00	9.58E-02	8.40E-01	3.00E-05	-8.54E-02	-6.57E-06	3.43E-01	5.92E-05	1.32E-01	6.30E-06	-3.26E-01	-8.81E-06
213	373420	757386	Offsite Worker	1.29E+00	2.74E-03	9.93E-01	3.97E-01	3.31E-01	2.54E-04	4.45E+00	8.09E-02	7.30E-01	2.61E-05	-9.02E-02	-6.94E-06	3.00E-01	5.17E-05	1.11E-01	5.29E-06	-4.68E-01	-1.27E-05
214	373420	757297	Offsite Worker	1.49E+00	3.17E-03	1.10E+00	4.41E-01	3.41E-01	2.62E-04	4.97E+00	9.04E-02	8.08E-01	2.88E-05	-8.77E-02	-6.75E-06	3.32E-01	5.73E-05	1.22E-01	5.81E-06	-5.57E-01	-1.50E-05
215	373421	757207	Offsite Worker	1.72E+00	3.66E-03	1.22E+00	4.88E-01	3.54E-01	2.73E-04	5.52E+00	1.00E-01	8.92E-01	3.19E-05	-8.27E-02	-6.36E-06	3.67E-01	6.32E-05	1.34E-01	6.39E-06	-6.17E-01	-1.67E-05
216	373421	757118	Offsite Worker	1.42E+00	3.03E-03	1.15E+00	4.59E-01	1.45E-02	1.12E-05	4.57E+00	8.32E-02	8.33E-01	2.98E-05	-1.17E-01	-9.03E-06	3.47E-01	5.98E-05	1.14E-01	5.42E-06	-1.12E+00	-3.03E-05
217	373292	757117	Offsite Worker	1.89E+00	4.01E-03	1.39E+00	5.58E-01	2.91E-01	2.24E-04	6.16E+00	1.12E-01	1.02E+00	3.64E-05	-1.11E-01	-8.57E-06	4.20E-01	7.24E-05	1.49E-01	7.10E-06	-8.87E-01	-2.40E-05
218	373213	757118	Offsite Worker	2.19E+00	4.66E-03	1.56E+00	6.22E-01	5.16E-01	3.97E-04	7.31E+00	1.33E-01	1.14E+00	4.07E-05	-1.06E-01	-8.16E-06	4.67E-01	8.06E-05	1.74E-01	8.28E-06	-6.64E-01	-1.79E-05
219	373158	757066	Offsite Worker	2.24E+00	4.77E-03	1.62E+00	6.50E-01	4.78E-01	3.67E-04	7.29E+00	1.32E-01	1.19E+00	4.24E-05	-1.20E-01	-9.24E-06	4.88E-01	8.42E-05	1.79E-01	8.54E-06	-7.89E-01	-2.13E-05
220	373084	757026	Offsite Worker	2.24E+00	4.77E-03	1.66E+00	6.62E-01	5.17E-01	3.98E-04	7.36E+00	1.34E-01	1.21E+00	4.33E-05	-1.31E-01	-1.01E-05	4.98E-01	8.59E-05	1.84E-01	8.76E-06	-7.65E-01	-2.07E-05
221	373009	757011	Offsite Worker	2.68E+00	5.70E-03	1.90E+00	7.60E-01	7.81E-01	6.01E-04	8.56E+00	1.56E-01	1.39E+00	4.98E-05	-1.29E-01	-9.94E-06	5.70E-01	9.83E-05	2.19E-01	1.04E-05	-5.50E-01	-1.49E-05
222	372922	757009	Offsite Worker	3.01E+00	6.41E-03	2.07E+00	8.29E-01	1.13E+00	8.68E-04	9.56E+00	1.74E-01	1.53E+00	5.46E-05	-1.22E-01	-9.42E-06	6.21E-01	1.07E-04	2.49E-01	1.19E-05	-1.56E-01	-4.22E-06
223	372835	757007	Offsite Worker	2.87E+00	6.10E-03	2.02E+00	8.09E-01	8.73E-01	6.72E-04	9.20E+00	1.67E-01	1.49E+00	5.31E-05	-1.34E-01	-1.03E-05	6.07E-01	1.05E-04	2.34E-01	1.12E-05	-5.23E-01	-1.41E-05
224	372747	757006	Offsite Worker	3.16E+00	6.71E-03	2.18E+00	8.70E-01	1.83E+00	1.41E-03	1.02E+01	1.85E-01	1.62E+00	5.80E-05	-1.30E-01	-9.99E-06	6.53E-01	1.13E-04	2.87E-01	1.37E-05	8.29E-01	2.24E-05
225	372660	757004	Offsite Worker	5.70E+00	1.21E-02	3.44E+00	1.38E+00	6.10E+00	4.70E-03	1.78E+01	3.24E-01	2.65E+00	9.46E-05	-6.13E-02	-4.71E-06	1.03E+00	1.77E-04	5.81E-01	2.77E-05	6.42E+00	1.74E-04
226	372651	757063	Offsite Worker	6.17E+00	1.31E-02	3.64E+00	1.46E+00	8.91E+00	6.86E-03	1.94E+01	3.53E-01	2.87E+00	1.02E-04	-3.59E-02	-2.76E-06	1.09E+00	1.87E-04	7.12E-01	3.39E-05	1.06E+01	2.86E-04
227	372629	756931	Offsite Worker	4.45E+00	9.46E-03	2.83E+00	1.13E+00	3.39E+00	2.61E-03	1.37E+01	2.49E-01	2.14E+00	7.63E-05	-9.94E-02	-7.65E-06	8.47E-01	1.46E-04	4.13E-01	1.97E-05	2.70E+00	7.29E-05
228	372631	756857	Offsite Worker	4.49E+00	9.56E-03	2.85E+00	1.14E+00	3.36E+00	2.59E-03	1.37E+01	2.48E-01	2.15E+00	7.68E-05	-9.67E-02	-7.44E-06	8.52E-01	1.47E-04	4.14E-01	1.97E-05	2.65E+00	7.17E-05
229	372634	756783	Offsite Worker	3.68E+00	7.84E-03	2.43E+00	9.71E-01	2.65E+00	2.04E-03	1.13E+01	2.05E-01	1.83E+00	6.53E-05	-1.12E-01	-8.64E-06	7.28E-01	1.25E-04	3.45E-01	1.64E-05	1.87E+00	5.06E-05
230	372702	756778	Offsite Worker	3.36E+00	7.14E-03	2.27E+00	9.08E-01	2.24E+00	1.72E-03	1.03E+01	1.88E-01	1.70E+00	6.08E-05	-1.23E-01	-9.43E-06	6.81E-01	1.17E-04	3.13E-01	1.49E-05	1.36E+00	3.68E-05
231	372756	756775	Offsite Worker	2.97E+00	6.32E-03	2.02E+00	8.06E-01	2.00E+00	1.53E-03	9.14E+00	1.66E-01	1.51E+00	5.40E-05	-1.11E-01	-8.56E-06	6.06E-01	1.04E-04	2.78E-01	1.32E-05	1.19E+00	3.21E-05
232	372729	756712	Offsite Worker	3.03E+00	6.45E-03	2.09E+00	8.35E-01	2.81E+00	2.16E-03	9.42E+00	1.71E-01	1.59E+00	5.67E-05	-1.24E-01	-9.50E-06	6.28E-01	1.08E-04	3.17E-01	1.51E-05	2.35E+00	6.35E-05
233	372703	756650	Offsite Worker	3.19E+00	6.79E-03	2.20E+00	8.80E-01	2.43E+00	1.87E-03	9.86E+00	1.79E-01	1.66E+00	5.93E-05	-1.31E-01	-1.01E-05	6.61E-01	1.14E-04	3.13E-01	1.49E-05	1.70E+00	4.59E-05
234	372677	756588	Offsite Worker	3.68E+00	7.83E-03	2.46E+00	9.85E-01	3.02E+00	2.32E-03	1.13E+01	2.05E-01	1.86E+00	6.65E-05	-1.24E-01	-9.54E-06	7.38E-01	1.27E-04	3.62E-01	1.73E-05	2.40E+00	6.49E-05
235	372619	756588	Offsite Worker	3.09E+00	6.57E-03	2.16E+00	8.66E-01	2.62E+00	2.02E-03	9.60E+00	1.75E-01	1.64E+00	5.85E-05	-1.40E-01	-1.07E-05	6.51E-01	1.12E-04	3.17E-01	1.51E-05	1.98E+00	5.36E-05
236	372622	756509	Offsite Worker	6.36E+00	1.35E-02	4.15E+00	1.66E+00	2.86E+00	2.20E-03	1.91E+01	3.46E-01	3.07E+00	1.10E-04	-1.80E-01	-1.38E-05	1.24E+00	2.14E-04	5.24E-01	2.49E-05	7.62E-01	2.06E-05
237	372700	756511	Offsite Worker	5.63E+00	1.20E-02	3.70E+00	1.48E+00	2.61E+00	2.01E-03	1.69E+01	3.07E-01	2.74E+00	9.79E-05	-1.67E-01	-1.28E-05	1.11E+00	1.91E-04	4.69E-01	2.23E-05	7.61E-01	2.06E-05
238	372789	756510	Offsite Worker	4.95E+00	1.05E-02	3.29E+00	1.32E+00	2.12E+00	1.63E-03	1.49E+01	2.71E-01	2.44E+00	8.70E-05	-1.61E-01	-1.24E-05	9.85E-01	1.70E-04	4.09E-01	1.95E-05	3.44E-01	9.29E-06
239	372871	756509	Offsite Worker	4.42E+00	9.41E-03	2.98E+00	1.19E+00	1.65E+00	1.27E-03	1.33E+01	2.42E-01	2.20E+00	7.84E-05	-1.57E-01	-1.21E-05	8.92E-01	1.54E-04	3.60E-01	1.71E-05	-1.25E-01	-3.37E-06
240	372871	756437	Offsite Worker	3.58E+00	7.62E-03	2.52E+00	1.01E+00	7.95E-01	6.11E-04	1.09E+01	1.98E-01	1.84E+00	6.57E-05	-1.64E-01	-1.26E-05	7.54E-01	1.30E-04	2.80E-01	1.33E-05	-1.05E+00	-2.85E-05
241	372970	756437	Offsite Worker	3.11E+00	6.61E-03	2.20E+00	8.80E-01	7.43E-01	5.71E-04	9.46E+00	1.72E-01	1.61E+00	5.75E-05	-1.48E-01	-1.14E-05	6.60E-01	1.14E-04	2.47E-01	1.18E-05	-8.73E-01	-2.36E-05
242	373069	756437	Offsite Worker	2.83E+00	6.01E-03	2.00E+00	7.99E-01	6.33E-01	4.87E-04	8.59E+00	1.56E-01	1.46E+00	5.22E-05	-1.34E-01	-1.03E-05	6.00E-01	1.03E-04	2.22E-01	1.06E-05	-8.68E-01	-2.35E-05
243	373168	756437	Offsite Worker	2.80E+00	5.96E-03	1.96E+00	7.83E-01	5.96E-01	4.59E-04	8.48E+00	1.54E-01	1.43E+00	5.12E-05	-1.25E-01	-9.64E-06	5.88E-01	1.01E-04	2.17E-01	1.03E-05	-8.76E-01	-2.37E-05
244	373267	756437	Offsite Worker	2.87E+00	6.11E-03	1.97E+00	7.90E-01	6.46E-01	4.97E-04	8.66E+00	1.57E-01	1.44E+00	5.16E-05	-1.16E-01	-8.95E-06	5.92E-01	1.02E-04	2.21E-01	1.05E-05	-7.93E-01	-2.14E-05
245	373412	756437	Offsite Worker	2.80E+00	5.95E-03	1.90E+00	7.59E-01	8.10E-01	6.23E-04	8.41E+00	1.53E-01	1.39E+00	4.97E-05	-1.04E-01	-8.02E-06	5.69E-01	9.80E-05	2.20E-01	1.05E-05	-4.65E-01	-1.26E-05
246	373409	756339	Offsite Worker	2.73E+00	5.80E-03	1.99E+00	7.97E-01	1.51E-01	1.16E-04	8.32E+00	1.51E-01	1.45E+00	5.16E-05	-1.52E-01	-1.17E-05	5.98E-01	1.03E-04	2.03E-01	9.66E-06	-1.61E+00	-4.36E-05
247	373406	756240	Offsite Worker	2.87E+00	6.12E-03	2.12E+00	8.49E-01	-6.32E-02	-4.86E-05	8.79E+00	1.60E-01	1.53E+00	5.48E-05	-1.69E-01	-1.30E-05	6.37E-01	1.10E-04	2.08E-01	9.89E-06	-2.02E+00	-5.47E-05
248	373403	756142	Offsite Worker	2.96E+00	6.30E-03	2.14E+00	8.58E-01	7.16E-01	5.51E-04	9.07E+00	1.65E-01	1.57E+00	5.61E-05	-1.58E-01	-1.21E-05	6.43E-01	1.11E-04	2.40E-01	1.15E-05	-8.38E-01	-2.27E-05
249	373400	756042	Offsite Worker	1.84E+00	3.92E-03	1.89E+00	7.56E-01	2.30E-01	1.77E-04	6.39E+00	1.16E-01	1.38E+00	4.93E-05	-2.94E-01	-2.26E-05	5.71E-01	9.84E-05	1.97E-01	9.39E-06	-1.38E+00	-3.73E-05
250	373397	755944	Offsite Worker	1.09E+00	2.33E-03	1.42E+00	5.70E-01	-2.60E-01	-2.00E-04	4.16E+00	7.56E-02	1.03E+00	3.68E-05	-2.82E-01	-2.17E-05	4.33E-01	7.46E-05	1.32E-01	6.27E-06	-1.76E+00	-4.77E-05
251	373393	755846	Offsite Worker	9.15E-01	1.95E-03	1.25E+00	5.01E-01	-3.76E-01	-2.89E-04	3.54E+00	6.44E-02	9.02E-01	3.22E-05	-2.57E-01	-1.98E-05	3.80E-01	6.56E-05	1.10E-01	5.23E-06	-1.79E+00	-4.83E-05
252	373390	755747	Offsite Worker	1.47E+00	3.14E-03	1.46E+00	5.82E-01	-5.06E-01	-3.89E-04	4.97E+00	9.03E-02	1.04E+00	3.72E-05	-2.16E-01	-1.66E-05	4.39E-01	7.57E-05	1.25E-01	5.95E-06	-2.11E+00	-5.70E-05
253	373309	755744	Offsite Worker	1.66E+00	3.53E-03	1.56E+00	6.26E-01	-4.60E-01	-3.54E-04	5.50E+00	1.00E-01	1.12E+00	4.01E-05	-2.17E-01	-1.67E-05	4.71E-01	8.13E-05	1.38E-01	6.55E-06	-2.11E+00	-5.72E-05
254	373229	755743	Offsite Worker	1.75E+00	3.72E-03	1.63E+00	6.52E-01	-3.67E-01	-2.82E-04	5.79E+00	1.05E-01	1.17E+00	4.18E-05	-2.22E-01	-1.71E-05	4.91E-01	8.46E-05	1.48E-01	7.03E-06	-2.02E+00	-5.47E-05
255	373143	755741	Offsite Worker	1.74E+00	3.70E-03	1.66E+00	6.64E-01	-2.03E-01	-1.56E-04	5.82E+00	1.06E-01	1.20E+00	4.28E-05	-2.34E-01	-1.80E-05	5.00E-01	8.61E-05	1.57E-01	7.48E-06	-1.79E+00	-4.85E-05
256	373143	755823	Offsite Worker	1.25E+00	2.66E-03	1.50E+00	6.02E-01	-7.42E-01	-5.71E-04	4.55E+00	8.28E-02	1.07E+00	3.84E-05	-2.79E-01	-2.14E-05	4.55E-01	7.85E-05	1.21E-01	5.75E-06	-2.52E+00	-6.80E-05
257	373143	755906	Offsite Worker	7.03E-01	1.49E-03	1.44E+00	5.75E-01	-8.53E-01	-6.56E-04	3.33E+00	6.05E-02	1.03E+00	3.67E-05	-3.65E-01	-2.81E-05	4.38E-01	7.54E-05	1.10E-01	5.25E-06	-2.67E+00	-7.22E-05
258	373065	755906	Offsite Worker	6.60E-01	1.40E-03	1.46E+00	5.83E-01	-1.08E+00	-8.34E-04	3.25E+00	5.91E-02	1.04E+00	3.70E-05	-3.81E-01	-2.93E-05	4.44E-01	7.66E-05	1.03E-01	4.92E-06	-3.04E+00	-8.21E-05
259	373065	755827	Offsite Worker	8.95E-01	1.90E-03	1.48E+00	5.90E-01	-8.30E-01	-6.38E-04	3.78E+00	6.88E-02	1.05E+00	3.76E-05	-3.40E-01	-2.61E-05	4.48E-01	7.72E-05	1.15E-01	5.48E-06	-2.63E+00	-7.10E-05
260	373068	755733	Offsite Worker	2.08E+00	4.42E-03	1.77E+00	7.09E-01	-4.27E-02	-3.28E-05	6.69E+00	1.22E-01	1.28E+00	4.58E-05	-2.06E-01	-1.58E-05	5.33E-01	9.19E-05	1.74E-01	8.31E-06	-1.64E+00	-4.44E-05

Table 3-8B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 7, Horizon Year 2025 - Maximum Range
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m³)	acetaldehyde Acute Hazard	acrolein (µg/m³)	acrolein Acute Hazard	benzene (µg/m³)	benzene Acute Hazard	formaldehyde (µg/m³)	formaldehyde Acute Hazard	methyl alcohol (µg/m³)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m³)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m³)	phenol (carbolic acid) Acute Hazard	styrene (µg/m³)	styrene Acute Hazard	toluene (µg/m³)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
261	373007	755733	Offsite Worker	2.12E+00	4.51E-03	1.78E+00	7.12E-01	-4.68E-02	-3.60E-05	6.79E+00	1.23E-01	1.29E+00	4.60E-05	-2.00E-01	-1.54E-05	5.35E-01	9.23E-05	1.75E-01	8.34E-06	-1.66E+00	-4.48E-05
262	372941	755733	Offsite Worker	2.23E+00	4.75E-03	1.81E+00	7.22E-01	-1.32E-01	-1.02E-04	7.04E+00	1.28E-01	1.30E+00	4.65E-05	-1.86E-01	-1.43E-05	5.42E-01	9.35E-05	1.74E-01	8.29E-06	-1.81E+00	-4.90E-05
263	372941	755636	Offsite Worker	1.66E+00	3.53E-03	1.32E+00	5.26E-01	-8.68E-02	-6.68E-05	5.18E+00	9.41E-02	9.51E-01	3.40E-05	-1.30E-01	-9.97E-06	3.96E-01	6.83E-05	1.27E-01	6.03E-06	-1.38E+00	-3.74E-05
264	372941	755539	Offsite Worker	1.29E+00	2.74E-03	1.10E+00	4.40E-01	-4.94E-01	-3.80E-04	4.08E+00	7.42E-02	7.84E-01	2.80E-05	-1.28E-01	-9.85E-06	3.32E-01	5.72E-05	8.92E-02	4.25E-06	-1.82E+00	-4.93E-05
265	372941	755442	Offsite Worker	2.64E-01	5.61E-04	5.72E-01	2.29E-01	-5.86E-01	-4.51E-04	1.25E+00	2.26E-02	4.04E-01	1.44E-05	-1.49E-01	-1.15E-05	1.76E-01	3.04E-05	3.35E-02	1.59E-06	-1.55E+00	-4.19E-05
266	372913	755342	Offsite Worker	2.30E-02	4.89E-05	4.36E-01	1.75E-01	-1.05E+00	-8.07E-04	5.20E-01	9.46E-03	2.93E-01	1.05E-05	-1.50E-01	-1.15E-05	1.36E-01	2.34E-05	1.85E-03	8.81E-08	-2.14E+00	-5.79E-05
267	372817	755346	Offsite Worker	-2.23E-01	-4.74E-04	3.13E-01	1.25E-01	-1.47E+00	-1.13E-03	-2.01E-01	-3.66E-03	1.93E-01	6.90E-06	-1.56E-01	-1.20E-05	9.94E-02	1.71E-05	-2.72E-02	-1.29E-06	-2.71E+00	-7.33E-05
268	372720	755349	Offsite Worker	-3.34E-02	-7.11E-05	4.05E-01	1.62E-01	-2.09E+00	-1.61E-03	2.53E-01	4.59E-03	2.42E-01	8.63E-06	-1.51E-01	-1.16E-05	1.26E-01	2.18E-05	-4.25E-02	-2.03E-06	-3.73E+00	-1.01E-04
269	372624	755352	Offsite Worker	6.58E-01	1.40E-03	7.73E-01	3.09E-01	-2.75E+00	-2.11E-03	2.12E+00	3.85E-02	4.86E-01	1.74E-05	-1.41E-01	-1.08E-05	2.34E-01	4.04E-05	-3.20E-02	-1.52E-06	-5.00E+00	-1.35E-04
270	372527	755349	Offsite Worker	7.89E-01	1.68E-03	8.33E-01	3.33E-01	-2.82E+00	-2.17E-03	2.46E+00	4.48E-02	5.27E-01	1.88E-05	-1.35E-01	-1.04E-05	2.52E-01	4.35E-05	-2.91E-02	-1.38E-06	-5.17E+00	-1.40E-04
271	372431	755353	Offsite Worker	3.60E-01	7.66E-04	5.81E-01	2.32E-01	-2.36E+00	-1.82E-03	1.28E+00	2.33E-02	3.60E-01	1.28E-05	-1.33E-01	-1.03E-05	1.78E-01	3.06E-05	-3.59E-02	-1.71E-06	-4.27E+00	-1.15E-04
272	372334	755356	Offsite Worker	5.26E-02	1.12E-04	4.27E-01	1.71E-01	-1.95E+00	-1.50E-03	4.83E-01	8.78E-03	2.61E-01	9.33E-06	-1.41E-01	-1.08E-05	1.32E-01	2.28E-05	-3.46E-02	-1.65E-06	-3.51E+00	-9.49E-05
273	372237	755359	Offsite Worker	5.48E-01	1.17E-03	6.73E-01	2.69E-01	-2.03E+00	-1.56E-03	1.83E+00	3.34E-02	4.34E-01	1.55E-05	-1.28E-01	-9.81E-06	2.05E-01	3.53E-05	-1.36E-02	-6.48E-07	-3.82E+00	-1.03E-04
274	372141	755362	Offsite Worker	5.58E-01	1.19E-03	6.82E-01	2.73E-01	-1.32E+00	-1.02E-03	1.95E+00	3.55E-02	4.60E-01	1.64E-05	-1.28E-01	-9.87E-06	2.07E-01	3.56E-05	1.56E-02	7.42E-07	-2.70E+00	-7.29E-05
275	372044	755366	Offsite Worker	1.08E+00	2.30E-03	9.70E-01	3.88E-01	-9.26E-01	-7.12E-04	3.46E+00	6.29E-02	6.78E-01	2.42E-05	-1.25E-01	-9.58E-06	2.92E-01	5.04E-05	5.97E-02	2.84E-06	-2.32E+00	-6.28E-05
276	371948	755369	Offsite Worker	1.04E+00	2.22E-03	9.86E-01	3.94E-01	-4.36E-01	-3.36E-04	3.45E+00	6.27E-02	7.04E-01	2.52E-05	-1.37E-01	-1.06E-05	2.98E-01	5.14E-05	8.04E-02	3.83E-06	-1.63E+00	-4.41E-05
277	371851	755372	Offsite Worker	-1.64E-01	-3.49E-04	4.99E-01	1.99E-01	-1.71E+00	-1.31E-03	1.53E-01	2.79E-03	3.24E-01	1.16E-05	-2.10E-01	-1.62E-05	1.57E-01	2.70E-05	-1.81E-02	-8.60E-07	-3.29E+00	-8.89E-05
278	371755	755375	Offsite Worker	-1.06E+00	-2.26E-03	1.57E-01	6.27E-02	-3.38E+00	-2.60E-03	-2.32E+00	-4.22E-02	3.35E-02	1.20E-06	-2.71E-01	-2.09E-05	5.62E-02	9.69E-06	-1.17E-01	-5.59E-06	-5.58E+00	-1.51E-04
279	371658	755378	Offsite Worker	-1.40E+00	-2.99E-03	1.61E-02	6.44E-03	-4.62E+00	-3.56E-03	-3.34E+00	-6.08E-02	-1.01E-01	-3.62E-06	-2.91E-01	-2.24E-05	1.49E-02	2.57E-06	-1.80E-01	-8.59E-06	-7.39E+00	-2.00E-04
280	371562	755382	Offsite Worker	-1.34E+00	-2.86E-03	2.58E-02	1.03E-02	-3.43E+00	-2.64E-03	-3.09E+00	-5.61E-02	-6.10E-02	-2.18E-06	-2.82E-01	-2.17E-05	1.82E-02	3.14E-06	-1.33E-01	-6.32E-06	-5.59E+00	-1.51E-04
281	371465	755385	Offsite Worker	7.46E-02	1.59E-04	7.07E-01	2.83E-01	-2.32E+00	-1.78E-03	8.69E-01	1.58E-02	4.57E-01	1.63E-05	-2.35E-01	-1.81E-05	2.19E-01	3.78E-05	-2.15E-02	-1.02E-06	-4.42E+00	-1.19E-04
282	371368	755388	Offsite Worker	1.52E+00	3.24E-03	1.40E+00	5.58E-01	-1.54E+00	-1.19E-03	4.87E+00	8.86E-02	9.71E-01	3.47E-05	-1.85E-01	-1.42E-05	4.22E-01	7.28E-05	7.70E-02	3.67E-06	-3.75E+00	-1.01E-04
283	371272	755391	Offsite Worker	3.37E+00	7.18E-03	2.39E+00	9.55E-01	1.32E+00	1.01E-03	1.03E+01	1.88E-01	1.76E+00	6.29E-05	-1.61E-01	-1.24E-05	7.15E-01	1.23E-04	2.89E-01	1.37E-05	-8.18E-02	-2.21E-06
284	371175	755395	Offsite Worker	3.14E+00	6.67E-03	2.32E+00	9.28E-01	1.28E+00	9.85E-04	9.77E+00	1.78E-01	1.71E+00	6.12E-05	-1.85E-01	-1.42E-05	6.96E-01	1.20E-04	2.81E-01	1.34E-05	-6.40E-02	-1.73E-06
285	371079	755398	Offsite Worker	1.88E+00	4.00E-03	1.63E+00	6.51E-01	-6.68E-01	-5.14E-04	6.05E+00	1.10E-01	1.16E+00	4.15E-05	-1.95E-01	-1.50E-05	4.90E-01	8.44E-05	1.35E-01	6.45E-06	-2.49E+00	-6.74E-05
286	371042	755478	Offsite Worker	7.24E-01	1.54E-03	9.94E-01	3.98E-01	-9.05E-01	-6.96E-04	2.78E+00	5.05E-02	7.00E-01	2.50E-05	-2.05E-01	-1.58E-05	3.02E-01	5.21E-05	6.32E-02	3.01E-06	-2.37E+00	-6.42E-05
287	371009	755538	Offsite Worker	9.65E-01	2.05E-03	1.11E+00	4.43E-01	-1.38E-02	-1.06E-05	3.52E+00	6.40E-02	8.06E-01	2.88E-05	-1.96E-01	-1.50E-05	3.36E-01	5.79E-05	1.09E-01	5.21E-06	-1.10E+00	-2.96E-05
288	370975	755597	Offsite Worker	-4.65E-01	-9.90E-04	2.76E-01	1.10E-01	-7.17E-02	-5.52E-05	-5.63E-01	-1.02E-02	2.08E-01	7.42E-06	-1.92E-01	-1.48E-05	8.98E-02	1.55E-05	2.48E-02	1.18E-06	-5.35E-01	-1.45E-05
289	370925	755597	Offsite Worker	-7.84E-01	-1.67E-03	1.44E-01	5.78E-02	-8.66E-01	-6.66E-04	-1.47E+00	-2.68E-02	9.16E-02	3.27E-06	-2.10E-01	-1.61E-05	5.08E-02	8.75E-06	-1.94E-02	-9.25E-07	-1.64E+00	-4.44E-05
290	370860	755547	Offsite Worker	-4.01E-01	-8.53E-04	5.79E-01	2.31E-01	-2.78E+00	-2.14E-03	-2.85E-01	-5.18E-03	3.53E-01	1.26E-05	-2.86E-01	-2.20E-05	1.81E-01	3.12E-05	-5.17E-02	-2.46E-06	-4.95E+00	-1.34E-04
291	370796	755497	Offsite Worker	2.45E+00	5.21E-03	2.03E+00	8.11E-01	-1.39E+00	-1.07E-03	7.69E+00	1.40E-01	1.43E+00	5.10E-05	-2.21E-01	-1.70E-05	6.09E-01	1.05E-04	1.46E-01	6.97E-06	-3.95E+00	-1.07E-04
292	370733	755428	Offsite Worker	1.57E+00	3.33E-03	1.52E+00	6.06E-01	-7.79E-02	-5.99E-05	5.30E+00	9.64E-02	1.10E+00	3.93E-05	-2.18E-01	-1.68E-05	4.58E-01	7.90E-05	1.47E-01	7.01E-06	-1.56E+00	-4.22E-05
293	370634	755428	Offsite Worker	-7.51E-01	-1.60E-03	3.43E-01	1.37E-01	-3.08E+00	-2.37E-03	-1.37E+00	-2.49E-02	1.76E-01	6.29E-06	-2.74E-01	-2.11E-05	1.12E-01	1.92E-05	-8.70E-02	-4.14E-06	-5.26E+00	-1.42E-04
294	370536	755428	Offsite Worker	2.12E+00	4.52E-03	1.69E+00	6.77E-01	1.25E+00	9.63E-04	6.83E+00	1.24E-01	1.26E+00	4.50E-05	-1.67E-01	-1.29E-05	5.09E-01	8.78E-05	2.17E-01	1.03E-05	3.72E-01	1.00E-05
295	370437	755428	Offsite Worker	1.99E+00	4.23E-03	1.69E+00	6.76E-01	-1.59E+00	-1.22E-03	6.27E+00	1.14E-01	1.18E+00	4.22E-05	-1.95E-01	-1.50E-05	5.09E-01	8.77E-05	1.05E-01	5.00E-06	-3.99E+00	-1.08E-04
296	370338	755427	Offsite Worker	3.06E+00	6.50E-03	2.35E+00	9.41E-01	-1.01E+00	-7.78E-04	9.44E+00	1.72E-01	1.67E+00	5.97E-05	-2.13E-01	-1.64E-05	7.05E-01	1.22E-04	1.94E-01	9.22E-06	-3.62E+00	-9.79E-05
307	369249	755442	Offsite Worker	3.97E+00	8.45E-03	2.93E+00	1.17E+00	1.14E+00	8.74E-04	1.24E+01	2.25E-01	2.15E+00	7.69E-05	-2.32E-01	-1.79E-05	8.79E-01	1.52E-04	3.36E-01	1.60E-05	-8.15E-01	-2.20E-05
308	369151	755442	Offsite Worker	3.49E+00	7.42E-03	2.73E+00	1.09E+00	1.20E+00	9.27E-04	1.11E+01	2.01E-01	2.01E+00	7.17E-05	-2.57E-01	-1.98E-05	8.19E-01	1.41E-04	3.18E-01	1.51E-05	-5.88E-01	-1.59E-05
309	369052	755442	Offsite Worker	2.76E+00	5.88E-03	2.34E+00	9.37E-01	5.61E-01	4.32E-04	8.99E+00	1.63E-01	1.71E+00	6.12E-05	-2.68E-01	-2.06E-05	7.06E-01	1.22E-04	2.55E-01	1.21E-05	-1.29E+00	-3.49E-05
320	368035	755402	Offsite Worker	3.54E+00	7.53E-03	2.50E+00	1.00E+00	1.26E+00	9.67E-04	1.10E+01	1.99E-01	1.84E+00	6.58E-05	-1.68E-01	-1.29E-05	7.49E-01	1.29E-04	2.98E-01	1.42E-05	-2.55E-01	-6.90E-06
321	367960	755389	Offsite Worker	3.33E+00	7.08E-03	2.38E+00	9.52E-01	1.22E+00	9.37E-04	1.04E+01	1.89E-01	1.75E+00	6.26E-05	-1.66E-01	-1.28E-05	7.13E-01	1.23E-04	2.84E-01	1.35E-05	-2.26E-01	-6.12E-06
322	367863	755390	Offsite Worker	2.94E+00	6.26E-03	2.20E+00	8.81E-01	1.25E+00	9.65E-04	9.36E+00	1.70E-01	1.63E+00	5.81E-05	-1.82E-01	-1.40E-05	6.61E-01	1.14E-04	2.68E-01	1.27E-05	-3.82E-02	-1.03E-06
323	367766	755392	Offsite Worker	2.59E+00	5.50E-03	1.99E+00	7.95E-01	1.34E+00	1.03E-03	8.37E+00	1.52E-01	1.48E+00	5.27E-05	-1.79E-01	-1.37E-05	5.97E-01	1.03E-04	2.50E-01	1.19E-05	2.55E-01	6.88E-06
324	367669	755393	Offsite Worker	1.99E+00	4.23E-03	1.69E+00	6.74E-01	7.54E-01	5.80E-04	6.69E+00	1.22E-01	1.24E+00	4.44E-05	-1.93E-01	-1.49E-05	5.08E-01	8.76E-05	1.97E-01	9.38E-06	-4.12E-01	-1.11E-05
325	367572	755394	Offsite Worker	1.51E+00	3.21E-03	1.41E+00	5.66E-01	1.82E-01	1.40E-04	5.31E+00	9.65E-02	1.03E+00	3.69E-05	-1.94E-01	-1.49E-05	4.28E-01	7.37E-05	1.47E-01	7.02E-06	-1.07E+00	-2.90E-05
326	367475	755395	Offsite Worker	1.32E+00	2.81E-03	1.27E+00	5.07E-01	-2.36E-01	-1.81E-04	4.70E+00	8.55E-02	9.14E-01	3.26E-05	-1.80E-01	-1.38E-05	3.83E-01	6.60E-05	1.16E-01	5.54E-06	-1.58E+00	-4.27E-05
327	370400	756850	On-Site Occupational	-1.85E+00	-3.93E-03	1.84E+00	7.34E-01	-5.75E+00	-4.43E-03	-1.62E+00	-2.95E-02	1.21E+00	4.33E-05	-1.02E+00	-7.87E-05	5.79E-01	9.98E-05	-4.20E-02	-2.00E-06	-1.11E+01	-2.99E-04
1	367379	755396	Recreational	1.46E+00	3.11E-03	1.36E+00	5.45E-01	-2.71E-01	-2.08E-04	5.14E+00	9.34E-02	9.82E-01	3.51E-05	-1.86E-01	-1.43E-05	4.12E-01	7.10E-05	1.24E-01	5.93E-06	-1.71E+00	-4.63E-05
2	367340	755485	Recreational	1.44E+00	3.07E-03	1.40E+00	5.60E-01	1.83E-01	1.41E-04	5.28E+00	9.60E-02	1.02E+00	3.65E-05	-2.02E-01	-1.56E-05	4.24E-01	7.30E-05	1.46E-01	6.96E-06	-1.05E+00	-2.85E-05
3	367301	755573	Recreational	1.42E+00	3.02E-03	1.33E+00	5.33E-01	-4.01E-01	-3.09E-04	5.17E+00	9.40E-02	9.56E-01	3.41E-05	-1.84E-01	-1.41E-05	4.02E-01	6.94E-05	1.16E-01	5.54E-06	-1.88E+00	-5.09E-05
4	367263	755661	Recreational	2.14E+00	4.55E-03	1.69E+00	6.77E-01	-4.37E-01	-3.36E-04	7.25E+00	1.32E-01	1.21E+00	4.33E-05	-1.66E-01	-1.27E-05	5.09E-01	8.77E-05	1.50E-01	7.17E-06	-2.22E+00	-5.99E-05
5	367224	755749	Recreational	2.49E+00	5.29E-03	1.93E+00	7.71E-01	2.27E-01	1.74E-04	8.47E+00	1.54E-01	1.40E+00	5.00E-05	-1.77E-01	-1.36E-05	5.79E-01	9.98E-05	2.00E-01	9.52E-06	-1.40E+00	-3.79E-05
6	367186	755838	Recreational	2.92E+00	6.21E-03	2.15E+00	8.59E-01	1.29E+00	9.95E-04	9.85E+00	1.79E-01	1.59E+00	5.68E-05	-1.68E-01	-1.29E-05	6.45E-01	1.11E-04	2.64E-01	1.26E-05	5.18E-02	1.40E-06
7	367147	755926	Recreational	3.38E+00	7.19E-03	2.37E+00	9.47E-01	1.73E+00	1.33E-03	1.12E+01	2.03E-01	1.76E+00	6.28E-05	-1.52E-01	-1.17E-05	7.09E-01	1.22E-04	3.03E-01	1.44E-05	5.87E-01	1.59E-05
8	367109	756014	Recreational	3.20E+00	6.82E-03	2.25E+00	8.98E-01	1.55E+00	1.19E-03	1.06E+01	1.93E-01	1.66E+00	5.95E-05	-1.44E-01	-1.11E-05	6.72E-01	1.16E-04	2.84E-01	1.35E-05	4.15E-01	1.12E-05
9	367070	756103	Recreational	4.12E+00	8.77E-03	2.65E+00	1.06E+00	2.36E+00	1.82E-03	1.30E+01	2.37E-01	1.98E+00	7.06E-05	-1.01E-01	-7.81E-06	7.91E-01	1.36E-04	3.56E-01	1.69E-05	1.37E+00	3.69E-05
10	367032	756191	Recreational	3.92E+00	8.33E-03	2.55E+00	1.02E+00	2.64E+00	2.03E-03	1.24E+01	2.25E-01	1.91E+00	6.83E-05	-1.07E-01	-8.23E-06	7.62E-01	1.31E-04	3.56E-01	1.70E-05	1.84E+00	4.98E-05
11	366993	756279	Recreational	3.31E+00	7.04E-03	2.25E+00	9.01E-01	2.30E+00	1.77E-03	1.06E+01	1.92E-01	1.69E+00	6.04E-05	-1.25E-01	-9.62E-06	6.75E-01	1.16E-04	3.14E-01	1.49E-05	1.53E+00	4.12E-05
12	366954	756367	Recreational	3.19E+00	6.78E-03	2.20E+00	8.79E-01	2.12E+00	1.63E-03	1.01E+01	1.84E-01	1.65E+00	5.88E-05	-1.30E-01	-1.00E-05	6.59E-01	1.14E-04	3.01E-01	1.43E-05	1.28E+00	3.45E-05
13	366916	756456	Recreational	2.57E+00	5.48E-03	1.82E+00	7.30E-01	1.77E+00	1.36E-03	8.24E+00	1.50E-01	1.37E+00	4.89E-05	-1.23E-01	-9.49E-06	5.48E-01	9.44E-05	2.50E-01	1.19E-05	1.05E+00	2.83E-05
14	366877	756544	Recreational	2.90E+00	6.18E-03	2.03E+00	8.13E-01	1.16E+00	8.90E-04	9.10E+00	1.65E-01	1.50E+00	5.36E-05	-1.30E-01	-1.00E-05	6.09E-01	1.05E-04	2.47E-01	1.17E-05	-5.85E-02	-1.58E-06
15	366839	756632	Recreational	2.57E+00	5.46E-03	1.88E+00	7.51E-01	5.39E-01	4.15E-04	8.11E+00	1.47E-01	1.37E+00	4.90E-05	-1.44E-01	-1.11E-05	5.64E-01	9.72E-05	2.07E-01	9.87E-06	-8.74E-01	-2.36E-05
16	366800	756720	Recreational	2.29E+00	4.87E-03	1.73E+00	6.94E-01	4.26E-01	3.27E-04	7.30E+00	1.33E-01	1.27E+00	4.53E-05	-1.49E-01	-1.15E-05	5.22E-01	9.00E-05	1.88E-01	8.97E-06	-9.63E-01	-2.60E-05
17	366762	756809	Recreational	2.54E+00	5.40E-03	1.81E+00	7.23E-01	9.75E-01	7.50E-04	7.94E+00	1.44E-01	1.33E+00	4.76E-05	-1.25E-01	-9.62E-06	5.43E-01	9.35E-05	2.17E-01	1.03E-05	-1.64E-01	-4.44E-06
18	366723	756897	Recreational	2.40E+00	5.11E-03	1.73E+00	6.91E-01	1.38E+00	1.07E-03	7.59E+00	1.38E-01	1.29E+00	4.60E-05	-1.24E-01	-9.51E-06	5.19E-01	8.94E-05	2.26E-01	1.07E-05	5.65E-01	1.53E-05

Table 3-8B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 7, Horizon Year 2025 - Maximum Range
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m³)	acetaldehyde Acute Hazard	acrolein (µg/m³)	acrolein Acute Hazard	benzene (µg/m³)	benzene Acute Hazard	formaldehyde (µg/m³)	formaldehyde Acute Hazard	methyl alcohol (µg/m³)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m³)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m³)	phenol (carbolic acid) Acute Hazard	styrene (µg/m³)	styrene Acute Hazard	toluene (µg/m³)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
19	366685	756985	Recreational	2.24E+00	4.76E-03	1.65E+00	6.62E-01	9.91E-01	7.62E-04	7.08E+00	1.29E-01	1.22E+00	4.37E-05	-1.32E-01	-1.01E-05	4.97E-01	8.58E-05	2.03E-01	9.66E-06	-1.03E-02	-2.78E-07
20	366646	757074	Recreational	2.15E+00	4.58E-03	1.63E+00	6.53E-01	5.24E-01	4.03E-04	6.80E+00	1.24E-01	1.20E+00	4.27E-05	-1.41E-01	-1.08E-05	4.91E-01	8.47E-05	1.82E-01	8.66E-06	-7.38E-01	-2.00E-05
21	366607	757162	Recreational	2.28E+00	4.85E-03	1.67E+00	6.67E-01	3.63E-01	2.80E-04	7.08E+00	1.29E-01	1.22E+00	4.35E-05	-1.28E-01	-9.87E-06	5.01E-01	8.64E-05	1.79E-01	8.54E-06	-9.82E-01	-2.65E-05
22	366569	757250	Recreational	2.54E+00	5.40E-03	1.72E+00	6.90E-01	4.44E-01	3.42E-04	7.69E+00	1.40E-01	1.26E+00	4.49E-05	-9.54E-02	-7.34E-06	5.16E-01	8.90E-05	1.88E-01	8.96E-06	-8.52E-01	-2.30E-05
23	366530	757338	Recreational	2.38E+00	5.07E-03	1.66E+00	6.65E-01	3.25E-01	2.50E-04	7.26E+00	1.32E-01	1.21E+00	4.32E-05	-1.04E-01	-8.03E-06	4.98E-01	8.58E-05	1.77E-01	8.44E-06	-9.94E-01	-2.69E-05
24	366492	757427	Recreational	1.99E+00	4.23E-03	1.46E+00	5.86E-01	3.50E-01	2.69E-04	6.16E+00	1.12E-01	1.07E+00	3.82E-05	-1.15E-01	-8.83E-06	4.40E-01	7.59E-05	1.59E-01	7.55E-06	-8.18E-01	-2.21E-05
25	366453	757515	Recreational	2.38E+00	5.06E-03	1.68E+00	6.72E-01	7.65E-01	5.89E-04	7.29E+00	1.33E-01	1.24E+00	4.41E-05	-1.12E-01	-8.63E-06	5.04E-01	8.69E-05	1.96E-01	9.35E-06	-3.43E-01	-9.28E-06
26	366415	757603	Recreational	2.91E+00	6.18E-03	1.98E+00	7.90E-01	1.10E+00	8.48E-04	8.81E+00	1.60E-01	1.46E+00	5.20E-05	-1.10E-01	-8.44E-06	5.91E-01	1.02E-04	2.39E-01	1.14E-05	-5.92E-02	-1.60E-06
27	366376	757692	Recreational	3.42E+00	7.28E-03	2.28E+00	9.13E-01	1.35E+00	1.04E-03	1.03E+01	1.87E-01	1.68E+00	6.01E-05	-1.13E-01	-8.69E-06	6.82E-01	1.18E-04	2.79E-01	1.33E-05	8.25E-02	2.23E-06
84	369336	758100	Recreational	3.69E+00	7.85E-03	2.55E+00	1.02E+00	1.71E+00	1.32E-03	1.13E+01	2.06E-01	1.89E+00	6.75E-05	-1.55E-01	-1.19E-05	7.64E-01	1.32E-04	3.21E-01	1.53E-05	4.12E-01	1.11E-05
85	369269	758170	Recreational	4.79E+00	1.02E-02	3.13E+00	1.25E+00	2.57E+00	1.98E-03	1.45E+01	2.63E-01	2.33E+00	8.32E-05	-1.37E-01	-1.05E-05	9.35E-01	1.61E-04	4.12E-01	1.96E-05	1.28E+00	3.45E-05
86	369202	758239	Recreational	4.79E+00	1.02E-02	3.14E+00	1.26E+00	2.54E+00	1.95E-03	1.45E+01	2.63E-01	2.33E+00	8.34E-05	-1.38E-01	-1.06E-05	9.38E-01	1.62E-04	4.11E-01	1.96E-05	1.21E+00	3.28E-05
87	369264	758285	Recreational	3.88E+00	8.24E-03	2.63E+00	1.05E+00	2.05E+00	1.58E-03	1.18E+01	2.15E-01	1.95E+00	6.97E-05	-1.43E-01	-1.10E-05	7.85E-01	1.35E-04	3.41E-01	1.63E-05	9.02E-01	2.44E-05
88	369326	758330	Recreational	3.55E+00	7.56E-03	2.40E+00	9.60E-01	1.58E+00	1.21E-03	1.08E+01	1.97E-01	1.77E+00	6.34E-05	-1.28E-01	-9.85E-06	7.17E-01	1.24E-04	3.00E-01	1.43E-05	3.75E-01	1.01E-05
89	369389	758376	Recreational	2.89E+00	6.15E-03	2.00E+00	8.00E-01	1.12E+00	8.62E-04	8.85E+00	1.61E-01	1.47E+00	5.26E-05	-1.21E-01	-9.29E-06	5.98E-01	1.03E-04	2.42E-01	1.15E-05	-9.66E-03	-2.61E-07
90	369389	758462	Recreational	2.39E+00	5.08E-03	1.73E+00	6.92E-01	8.22E-01	6.32E-04	7.40E+00	1.35E-01	1.27E+00	4.55E-05	-1.28E-01	-9.82E-06	5.18E-01	8.94E-05	2.04E-01	9.71E-06	-2.64E-01	-7.14E-06
91	369389	758548	Recreational	1.93E+00	4.12E-03	1.49E+00	5.96E-01	5.56E-01	4.28E-04	6.11E+00	1.11E-01	1.09E+00	3.91E-05	-1.35E-01	-1.04E-05	4.48E-01	7.72E-05	1.70E-01	8.08E-06	-4.91E-01	-1.33E-05
28	366338	757780	Residential	3.72E+00	7.91E-03	2.44E+00	9.76E-01	1.58E+00	1.22E-03	1.11E+01	2.03E-01	1.80E+00	6.44E-05	-1.10E-01	-8.45E-06	7.29E-01	1.26E-04	3.04E-01	1.45E-05	3.02E-01	8.17E-06
29	366402	757746	Residential	3.74E+00	7.97E-03	2.46E+00	9.86E-01	1.58E+00	1.21E-03	1.12E+01	2.04E-01	1.82E+00	6.51E-05	-1.13E-01	-8.66E-06	7.37E-01	1.27E-04	3.06E-01	1.46E-05	2.74E-01	7.40E-06
30	366467	757713	Residential	3.76E+00	8.01E-03	2.48E+00	9.94E-01	1.57E+00	1.21E-03	1.13E+01	2.06E-01	1.84E+00	6.56E-05	-1.15E-01	-8.87E-06	7.43E-01	1.28E-04	3.08E-01	1.47E-05	2.44E-01	6.58E-06
31	366531	757679	Residential	3.76E+00	8.01E-03	2.49E+00	9.96E-01	1.54E+00	1.19E-03	1.13E+01	2.06E-01	1.84E+00	6.57E-05	-1.18E-01	-9.07E-06	7.44E-01	1.28E-04	3.07E-01	1.46E-05	2.02E-01	5.45E-06
32	366567	757773	Residential	4.16E+00	8.85E-03	2.71E+00	1.08E+00	1.92E+00	1.47E-03	1.25E+01	2.27E-01	2.01E+00	7.17E-05	-1.16E-01	-8.93E-06	8.10E-01	1.40E-04	3.44E-01	1.64E-05	5.88E-01	1.59E-05
33	366625	757758	Residential	4.27E+00	9.07E-03	2.78E+00	1.11E+00	1.98E+00	1.52E-03	1.28E+01	2.32E-01	2.06E+00	7.35E-05	-1.18E-01	-9.09E-06	8.30E-01	1.43E-04	3.53E-01	1.68E-05	6.25E-01	1.69E-05
34	366682	757744	Residential	4.38E+00	9.32E-03	2.85E+00	1.14E+00	2.04E+00	1.57E-03	1.31E+01	2.39E-01	2.11E+00	7.54E-05	-1.20E-01	-9.25E-06	8.52E-01	1.47E-04	3.63E-01	1.73E-05	6.64E-01	1.80E-05
35	366768	757788	Residential	4.49E+00	9.56E-03	2.95E+00	1.18E+00	1.92E+00	1.48E-03	1.35E+01	2.45E-01	2.18E+00	7.80E-05	-1.33E-01	-1.03E-05	8.82E-01	1.52E-04	3.68E-01	1.75E-05	4.08E-01	1.10E-05
36	366854	757833	Residential	4.37E+00	9.30E-03	2.90E+00	1.16E+00	1.45E+00	1.11E-03	1.31E+01	2.38E-01	2.13E+00	7.62E-05	-1.41E-01	-1.08E-05	8.68E-01	1.50E-04	3.45E-01	1.64E-05	-2.95E-01	-7.98E-06
37	366941	757877	Residential	4.38E+00	9.31E-03	2.89E+00	1.16E+00	1.32E+00	1.01E-03	1.31E+01	2.38E-01	2.12E+00	7.59E-05	-1.37E-01	-1.05E-05	8.65E-01	1.49E-04	3.38E-01	1.61E-05	-4.94E-01	-1.33E-05
38	367027	757922	Residential	4.33E+00	9.21E-03	2.85E+00	1.14E+00	1.37E+00	1.06E-03	1.30E+01	2.35E-01	2.10E+00	7.49E-05	-1.32E-01	-1.02E-05	8.53E-01	1.47E-04	3.37E-01	1.60E-05	-3.66E-01	-9.89E-06
39	367113	757966	Residential	4.53E+00	9.65E-03	2.94E+00	1.17E+00	1.91E+00	1.47E-03	1.35E+01	2.46E-01	2.17E+00	7.75E-05	-1.19E-01	-9.19E-06	8.77E-01	1.51E-04	3.66E-01	1.74E-05	4.07E-01	1.10E-05
40	367192	757916	Residential	4.64E+00	9.87E-03	3.02E+00	1.21E+00	1.89E+00	1.45E-03	1.39E+01	2.52E-01	2.23E+00	7.96E-05	-1.28E-01	-9.81E-06	9.02E-01	1.55E-04	3.73E-01	1.78E-05	2.91E-01	7.85E-06
41	367264	757916	Residential	4.89E+00	1.04E-02	3.16E+00	1.26E+00	2.11E+00	1.63E-03	1.46E+01	2.65E-01	2.34E+00	8.34E-05	-1.25E-01	-9.61E-06	9.43E-01	1.63E-04	3.96E-01	1.89E-05	5.41E-01	1.46E-05
42	367335	757916	Residential	5.10E+00	1.09E-02	3.28E+00	1.31E+00	2.34E+00	1.80E-03	1.52E+01	2.77E-01	2.43E+00	8.67E-05	-1.26E-01	-9.66E-06	9.78E-01	1.69E-04	4.17E-01	1.99E-05	7.98E-01	2.16E-05
43	367343	757966	Residential	5.14E+00	1.09E-02	3.30E+00	1.32E+00	2.65E+00	2.04E-03	1.54E+01	2.79E-01	2.45E+00	8.74E-05	-1.24E-01	-9.53E-06	9.83E-01	1.69E-04	4.31E-01	2.05E-05	1.29E+00	3.48E-05
44	367404	757995	Residential	4.92E+00	1.05E-02	3.19E+00	1.28E+00	2.72E+00	2.10E-03	1.48E+01	2.68E-01	2.37E+00	8.48E-05	-1.30E-01	-9.99E-06	9.51E-01	1.64E-04	4.23E-01	2.02E-05	1.48E+00	4.00E-05
45	367465	758024	Residential	4.36E+00	9.27E-03	2.90E+00	1.16E+00	2.35E+00	1.81E-03	1.32E+01	2.39E-01	2.16E+00	7.71E-05	-1.44E-01	-1.11E-05	8.68E-01	1.50E-04	3.80E-01	1.81E-05	1.11E+00	3.00E-05
55	367673	758189	Residential	3.01E+00	6.40E-03	2.20E+00	8.79E-01	6.74E-01	5.19E-04	9.25E+00	1.68E-01	1.61E+00	5.74E-05	-1.68E-01	-1.29E-05	6.59E-01	1.14E-04	2.44E-01	1.16E-05	-9.30E-01	-2.51E-05
59	367816	758096	Residential	3.10E+00	6.60E-03	2.27E+00	9.09E-01	7.37E-01	5.67E-04	9.56E+00	1.74E-01	1.66E+00	5.94E-05	-1.75E-01	-1.35E-05	6.81E-01	1.17E-04	2.54E-01	1.21E-05	-9.08E-01	-2.45E-05
60	367898	758066	Residential	2.97E+00	6.33E-03	2.24E+00	8.96E-01	6.98E-01	5.37E-04	9.26E+00	1.68E-01	1.64E+00	5.85E-05	-1.89E-01	-1.45E-05	6.72E-01	1.16E-04	2.49E-01	1.19E-05	-9.48E-01	-2.56E-05
61	367980	758035	Residential	3.16E+00	6.72E-03	2.39E+00	9.55E-01	7.36E-01	5.66E-04	9.85E+00	1.79E-01	1.75E+00	6.24E-05	-2.04E-01	-1.57E-05	7.16E-01	1.24E-04	2.66E-01	1.26E-05	-1.01E+00	-2.74E-05
62	368062	758005	Residential	3.99E+00	8.48E-03	2.89E+00	1.15E+00	1.15E+00	8.82E-04	1.23E+01	2.23E-01	2.12E+00	7.56E-05	-2.12E-01	-1.63E-05	8.65E-01	1.49E-04	3.31E-01	1.58E-05	-7.79E-01	-2.11E-05
63	368144	757975	Residential	4.85E+00	1.03E-02	3.40E+00	1.36E+00	1.47E+00	1.13E-03	1.48E+01	2.69E-01	2.50E+00	8.92E-05	-2.19E-01	-1.69E-05	1.02E+00	1.75E-04	3.95E-01	1.88E-05	-6.94E-01	-1.87E-05
64	368226	757945	Residential	5.73E+00	1.22E-02	3.93E+00	1.57E+00	1.82E+00	1.40E-03	1.74E+01	3.16E-01	2.89E+00	1.03E-04	-2.28E-01	-1.76E-05	1.18E+00	2.03E-04	4.62E-01	2.20E-05	-5.76E-01	-1.56E-05
65	368301	757943	Residential	6.88E+00	1.46E-02	4.62E+00	1.85E+00	2.38E+00	1.83E-03	2.08E+01	3.77E-01	3.40E+00	1.21E-04	-2.39E-01	-1.84E-05	1.38E+00	2.38E-04	5.52E-01	2.63E-05	-2.63E-01	-7.11E-06
66	368376	757941	Residential	7.94E+00	1.69E-02	5.24E+00	2.10E+00	2.92E+00	2.25E-03	2.39E+01	4.34E-01	3.86E+00	1.38E-04	-2.44E-01	-1.87E-05	1.56E+00	2.70E-04	6.35E-01	3.02E-05	6.73E-02	1.82E-06
67	368452	757940	Residential	8.38E+00	1.78E-02	5.44E+00	2.18E+00	3.36E+00	2.58E-03	2.51E+01	4.56E-01	4.01E+00	1.43E-04	-2.25E-01	-1.73E-05	1.62E+00	2.80E-04	6.72E-01	3.20E-05	5.87E-01	1.59E-05
68	368527	757938	Residential	8.27E+00	1.76E-02	5.45E+00	2.18E+00	2.95E+00	2.27E-03	2.48E+01	4.51E-01	4.01E+00	1.43E-04	-2.52E-01	-1.94E-05	1.63E+00	2.80E-04	6.57E-01	3.13E-05	-7.43E-02	-2.01E-06
69	368563	757880	Residential	9.24E+00	1.97E-02	6.01E+00	2.40E+00	3.50E+00	2.70E-03	2.77E+01	5.03E-01	4.43E+00	1.58E-04	-2.53E-01	-1.94E-05	1.79E+00	3.09E-04	7.34E-01	3.50E-05	3.34E-01	9.03E-06
70	368636	757926	Residential	7.53E+00	1.60E-02	5.04E+00	2.02E+00	2.14E+00	1.64E-03	2.27E+01	4.12E-01	3.70E+00	1.32E-04	-2.58E-01	-1.98E-05	1.51E+00	2.60E-04	5.84E-01	2.78E-05	-1.01E+00	-2.72E-05
71	368709	757971	Residential	3.49E+00	7.43E-03	2.75E+00	1.10E+00	-2.06E+00	-1.59E-03	1.08E+01	1.96E-01	1.93E+00	6.91E-05	-2.67E-01	-2.05E-05	8.26E-01	1.42E-04	1.91E-01	9.12E-06	-5.65E+00	-1.53E-04
72	368782	758017	Residential	1.63E+00	3.47E-03	1.68E+00	6.73E-01	-2.95E+00	-2.27E-03	5.43E+00	9.86E-02	1.14E+00	4.08E-05	-2.65E-01	-2.04E-05	5.09E-01	8.77E-05	5.06E-02	2.41E-06	-6.15E+00	-1.66E-04
73	368855	758062	Residential	2.32E+00	4.94E-03	1.99E+00	7.96E-01	-6.49E-01	-5.00E-04	7.50E+00	1.36E-01	1.42E+00	5.08E-05	-2.33E-01	-1.79E-05	5.99E-01	1.03E-04	1.72E-01	8.18E-06	-2.81E+00	-7.60E-05
74	368928	758108	Residential	2.24E+00	4.76E-03	1.82E+00	7.29E-01	7.12E-02	5.47E-05	7.18E+00	1.30E-01	1.32E+00	4.72E-05	-1.91E-01	-1.47E-05	5.48E-01	9.46E-05	1.84E-01	8.75E-06	-1.55E+00	-4.19E-05
75	369001	758153	Residential	3.10E+00	6.59E-03	2.27E+00	9.07E-01	8.92E-01	6.86E-04	9.63E+00	1.75E-01	1.66E+00	5.94E-05	-1.73E-01	-1.33E-05	6.79E-01	1.17E-04	2.60E-01	1.24E-05	-6.28E-01	-1.70E-05
76	369058	758074	Residential	3.38E+00	7.20E-03	2.48E+00	9.91E-01	8.68E-01	6.68E-04	1.05E+01	1.91E-01	1.81E+00	6.48E-05	-1.90E-01	-1.46E-05	7.42E-01	1.28E-04	2.80E-01	1.33E-05	-8.46E-01	-2.29E-05
77	369102	758103	Residential	4.26E+00	9.07E-03	2.98E+00	1.19E+00	5.95E-01	4.58E-04	1.30E+01	2.36E-01	2.17E+00	7.75E-05	-1.92E-01	-1.47E-05	8.92E-01	1.54E-04	3.19E-01	1.52E-05	-1.67E+00	-4.51E-05
78	369145	758132	Residential	4.97E+00	1.06E-02	3.35E+00	1.34E+00	1.10E+00	8.48E-04	1.50E+01	2.72E-01	2.45E+00	8.73E-05	-1.77E-01	-1.36E-05	1.00E+00	1.72E-04	3.75E-01	1.79E-05	-1.18E+00	-3.18E-05
79	369200	758065	Residential	5.40E+00	1.15E-02	3.60E+00	1.44E+00	1.79E+00	1.38E-03	1.63E+01	2.96E-01	2.65E+00	9.46E-05	-1.80E-01	-1.38E-05	1.08E+00	1.86E-04	4.28E-01	2.04E-05	-3.31E-01	-8.95E-06
80	369255	757998	Residential	5.31E+00	1.13E-02	3.58E+00	1.43E+00	2.49E+00	1.92E-03	1.62E+01	2.94E-01	2.65E+00	9.47E-05	-1.88E-01	-1.45E-05	1.07E+00	1.84E-04	4.53E-01	2.16E-05	7.53E-01	2.04E-05
81	369310	757931	Residential	5.41E+00	1.15E-02	3.65E+00	1.46E+00	2.31E+00	1.78E-03	1.65E+01	3.00E-01	2.70E+00	9.64E-05	-1.96E-01	-1.50E-05	1.09E+00	1.88E-04	4.53E-01	2.16E-05	4.14E-01	1.12E-05
82	369356	757981	Residential	4.47E+00	9.52E-03	2.99E+00	1.19E+00	1.89E+00	1.46E-03	1.36E+01	2.47E-01	2.21E+00	7.88E-05	-1.49E-01	-1.15E-05	8.92E-01	1.54E-04	3.71E-01	1.76E-05	3.42E-01	9.24E-06
83	369403	758031	Residential	4.27E+00	9.08E-03	2.80E+00	1.12E+00	2.15E+00	1.66E-03	1.29E+01	2.35E-01	2.08E+00	7.41E-05	-1.24E-01	-9.51E-06	8.35E-01	1.44E-04	3.62E-01	1.72E-05	9.19E-01	2.48E-05
92	369389	758634	Residential	1.64E+00	3.49E-03	1.33E+00	5.32E-01	2.25E-01	1.73E-04	5.24E+00	9.52E-02	9.69E-01	3.46E-05	-1.38E-01	-1.06E-05	4.00E-01	6.89E-05	1.41E-01	6.70E-06	-8.72E-01	-2.36E-05
93	369469	758630	Residential	3.69E-01	7.84E-04	7.15E-01	2.86E-01	-1.46E+00	-1.13E-03	1.61E+00	2.93E-02	4.83E-01	1.73E-05	-1.79E-01	-1.37E-05	2.19E-01	3.78E-05	1.32E-02	6.30E-07	-3.01E+00	-8.14E-05
94	369549	758625	Residential	7.90E-02	1.68E-04	5.70E-01	2.28E-01	-2.22E+00	-1.71E-03	7.40E-01	1.35E-02	3.58E-01	1.28E-05	-1.86E-01	-1.43E-05	1.76E-01	3.04E-05	-3.10E-02	-1.47E-06	-4.07E+00	-1.10E-04
95	369630	758621	Residential	3.27E-01	6.95E-04	7.17E-01	2.87E-01	-1.76E+00	-1.35E-03	1.50E+00	2.72E-02	4.77E-01	1.70E-05	-1.88E-01	-1.44E-05	2.20E-01	3.79E-05	1.68E-03	7.98E-08	-3.49E+00	-9.43E-05

Table 3-8B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 7, Horizon Year 2025 - Maximum Range
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde (µg/m³)	acetaldehyde Acute Hazard	acrolein (µg/m³)	acrolein Acute Hazard	benzene (µg/m³)	benzene Acute Hazard	formaldehyde (µg/m³)	formaldehyde Acute Hazard	methyl alcohol (µg/m³)	methyl alcohol Acute Hazard	methyl ethyl ketone (µg/m³)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) (µg/m³)	phenol (carbolic acid) Acute Hazard	styrene (µg/m³)	styrene Acute Hazard	toluene (µg/m³)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
96	369710	758617	Residential	1.43E+00	3.03E-03	1.23E+00	4.92E-01	-3.21E-01	-2.47E-04	4.61E+00	8.39E-02	8.83E-01	3.15E-05	-1.46E-01	-1.12E-05	3.71E-01	6.39E-05	1.09E-01	5.20E-06	-1.65E+00	-4.46E-05
97	369791	758613	Residential	2.36E+00	5.01E-03	1.66E+00	6.65E-01	4.73E-01	3.64E-04	7.22E+00	1.31E-01	1.21E+00	4.34E-05	-1.11E-01	-8.52E-06	4.98E-01	8.58E-05	1.84E-01	8.74E-06	-7.21E-01	-1.95E-05
98	369791	758514	Residential	2.69E+00	5.72E-03	1.85E+00	7.41E-01	6.60E-01	5.07E-04	8.18E+00	1.49E-01	1.35E+00	4.84E-05	-1.10E-01	-8.43E-06	5.54E-01	9.55E-05	2.09E-01	9.97E-06	-6.05E-01	-1.63E-05
99	369791	758416	Residential	3.06E+00	6.52E-03	2.06E+00	8.22E-01	9.37E-01	7.21E-04	9.26E+00	1.68E-01	1.51E+00	5.39E-05	-1.06E-01	-8.16E-06	6.14E-01	1.06E-04	2.41E-01	1.15E-05	-3.46E-01	-9.34E-06
100	369791	758318	Residential	3.72E+00	7.92E-03	2.40E+00	9.62E-01	9.50E-01	7.31E-04	1.11E+01	2.02E-01	1.76E+00	6.28E-05	-9.62E-02	-7.40E-06	7.17E-01	1.24E-04	2.76E-01	1.31E-05	-5.86E-01	-1.58E-05
101	369881	758318	Residential	2.14E+00	4.55E-03	1.62E+00	6.48E-01	-1.03E-01	-7.96E-05	6.67E+00	1.21E-01	1.17E+00	4.18E-05	-1.40E-01	-1.08E-05	4.87E-01	8.39E-05	1.56E-01	7.45E-06	-1.63E+00	-4.40E-05
102	369972	758318	Residential	-6.67E-02	-1.42E-04	5.15E-01	2.06E-01	-1.33E+00	-1.02E-03	4.97E-01	9.04E-03	3.44E-01	1.23E-05	-1.96E-01	-1.51E-05	1.60E-01	2.76E-05	-1.18E-03	-5.60E-08	-2.66E+00	-7.18E-05
103	370062	758318	Residential	1.53E-01	3.26E-04	6.78E-01	2.71E-01	-1.61E+00	-1.24E-03	1.15E+00	2.09E-02	4.54E-01	1.62E-05	-2.09E-01	-1.61E-05	2.09E-01	3.60E-05	4.07E-03	1.94E-07	-3.20E+00	-8.66E-05
104	370153	758318	Residential	3.69E-01	7.85E-04	7.97E-01	3.19E-01	-1.78E+00	-1.37E-03	1.74E+00	3.16E-02	5.34E-01	1.91E-05	-2.07E-01	-1.59E-05	2.44E-01	4.21E-05	8.74E-03	4.16E-07	-3.59E+00	-9.69E-05
105	370243	758318	Residential	4.17E-01	8.87E-04	8.59E-01	3.44E-01	-2.00E+00	-1.54E-03	1.90E+00	3.46E-02	5.73E-01	2.05E-05	-2.20E-01	-1.69E-05	2.62E-01	4.53E-05	6.42E-03	3.06E-07	-3.96E+00	-1.07E-04
111	370408	758347	Residential	-5.62E-01	-1.20E-03	3.94E-01	1.58E-01	-3.25E+00	-2.50E-03	-8.87E-01	-1.61E-02	2.07E-01	7.38E-06	-2.54E-01	-1.95E-05	1.26E-01	2.17E-05	-8.90E-02	-4.24E-06	-5.56E+00	-1.50E-04
112	370490	758344	Residential	-1.57E+00	-3.35E-03	-9.85E-02	-3.94E-02	-3.30E+00	-2.54E-03	-3.66E+00	-6.65E-02	-1.46E-01	-5.22E-06	-2.85E-01	-2.19E-05	-1.84E-02	-3.17E-06	-1.40E-01	-6.66E-06	-5.29E+00	-1.43E-04
113	370572	758341	Residential	-1.10E+00	-2.34E-03	2.11E-01	8.46E-02	-3.70E+00	-2.84E-03	-2.30E+00	-4.17E-02	6.56E-02	2.34E-06	-2.99E-01	-2.30E-05	7.36E-02	1.27E-05	-1.25E-01	-5.93E-06	-6.14E+00	-1.66E-04
114	370654	758338	Residential	-2.64E-01	-5.63E-04	7.91E-01	3.16E-01	-3.45E+00	-2.66E-03	2.45E-01	4.45E-03	4.90E-01	1.75E-05	-3.34E-01	-2.57E-05	2.46E-01	4.25E-05	-5.73E-02	-2.73E-06	-6.24E+00	-1.69E-04
115	370735	758335	Residential	6.36E-01	1.35E-03	1.12E+00	4.49E-01	-2.27E+00	-1.74E-03	2.67E+00	4.85E-02	7.59E-01	2.71E-05	-2.69E-01	-2.07E-05	3.43E-01	5.92E-05	2.20E-02	1.05E-06	-4.67E+00	-1.26E-04
116	370817	758333	Residential	1.09E+00	2.32E-03	1.28E+00	5.11E-01	-1.03E+00	-7.93E-04	3.95E+00	7.19E-02	9.02E-01	3.22E-05	-2.30E-01	-1.77E-05	3.88E-01	6.68E-05	8.61E-02	4.10E-06	-2.84E+00	-7.69E-05
130	371183	758027	Residential	3.87E+00	8.23E-03	2.76E+00	1.11E+00	1.49E+00	1.14E-03	1.20E+01	2.18E-01	2.04E+00	7.28E-05	-1.93E-01	-1.49E-05	8.29E-01	1.43E-04	3.32E-01	1.58E-05	-1.80E-01	-4.86E-06
131	371248	758024	Residential	4.05E+00	8.62E-03	2.90E+00	1.16E+00	1.25E+00	9.60E-04	1.25E+01	2.27E-01	2.13E+00	7.59E-05	-2.03E-01	-1.56E-05	8.67E-01	1.50E-04	3.36E-01	1.60E-05	-6.19E-01	-1.67E-05
132	371326	758075	Residential	3.88E+00	8.26E-03	2.75E+00	1.10E+00	1.24E+00	9.56E-04	1.19E+01	2.17E-01	2.02E+00	7.21E-05	-1.84E-01	-1.42E-05	8.23E-01	1.42E-04	3.21E-01	1.53E-05	-5.09E-01	-1.38E-05
133	371404	758127	Residential	3.48E+00	7.41E-03	2.48E+00	9.93E-01	1.38E+00	1.07E-03	1.08E+01	1.96E-01	1.83E+00	6.55E-05	-1.72E-01	-1.33E-05	7.45E-01	1.28E-04	3.01E-01	1.43E-05	-1.11E-01	-3.00E-06
134	371481	758178	Residential	3.28E+00	6.97E-03	2.35E+00	9.42E-01	1.40E+00	1.08E-03	1.01E+01	1.85E-01	1.74E+00	6.22E-05	-1.69E-01	-1.30E-05	7.07E-01	1.22E-04	2.88E-01	1.37E-05	1.23E-02	3.32E-07
135	371559	758230	Residential	3.10E+00	6.59E-03	2.24E+00	8.95E-01	1.45E+00	1.11E-03	9.62E+00	1.75E-01	1.66E+00	5.93E-05	-1.64E-01	-1.26E-05	6.72E-01	1.16E-04	2.78E-01	1.33E-05	1.72E-01	4.65E-06
136	371637	758281	Residential	2.95E+00	6.28E-03	2.10E+00	8.41E-01	1.49E+00	1.14E-03	9.13E+00	1.66E-01	1.56E+00	5.58E-05	-1.46E-01	-1.12E-05	6.32E-01	1.09E-04	2.67E-01	1.27E-05	3.42E-01	9.25E-06
137	371715	758333	Residential	2.77E+00	5.90E-03	1.98E+00	7.94E-01	1.50E+00	1.15E-03	8.60E+00	1.56E-01	1.48E+00	5.28E-05	-1.40E-01	-1.07E-05	5.96E-01	1.03E-04	2.55E-01	1.22E-05	4.60E-01	1.24E-05
138	371769	758261	Residential	2.25E+00	4.78E-03	1.69E+00	6.76E-01	1.71E+00	1.32E-03	7.14E+00	1.30E-01	1.27E+00	4.54E-05	-1.42E-01	-1.10E-05	5.09E-01	8.78E-05	2.35E-01	1.12E-05	1.03E+00	2.80E-05
139	371822	758189	Residential	1.17E+00	2.49E-03	1.42E+00	5.69E-01	5.55E-01	4.27E-04	4.46E+00	8.11E-02	1.05E+00	3.76E-05	-2.65E-01	-2.04E-05	4.32E-01	7.45E-05	1.63E-01	7.78E-06	-5.33E-01	-1.44E-05
140	371894	758160	Residential	8.29E-01	1.76E-03	1.51E+00	6.05E-01	-1.39E-01	-1.07E-04	3.83E+00	6.96E-02	1.10E+00	3.93E-05	-3.66E-01	-2.81E-05	4.60E-01	7.93E-05	1.46E-01	6.94E-06	-1.64E+00	-4.44E-05
141	371894	758081	Residential	4.87E-01	1.04E-03	1.55E+00	6.19E-01	-1.18E+00	-9.11E-04	3.07E+00	5.58E-02	1.10E+00	3.93E-05	-4.48E-01	-3.45E-05	4.73E-01	8.16E-05	1.09E-01	5.17E-06	-3.32E+00	-8.96E-05
142	371959	758074	Residential	7.05E-01	1.50E-03	1.61E+00	6.45E-01	-1.07E+00	-8.24E-04	3.61E+00	6.55E-02	1.15E+00	4.11E-05	-4.27E-01	-3.28E-05	4.92E-01	8.49E-05	1.19E-01	5.67E-06	-3.22E+00	-8.71E-05
155	372055	757363	Residential	1.21E+00	2.57E-03	1.74E+00	6.97E-01	-2.85E-01	-2.19E-04	5.16E+00	9.39E-02	1.26E+00	4.51E-05	-3.71E-01	-2.85E-05	5.30E-01	9.14E-05	1.62E-01	7.72E-06	-2.16E+00	-5.83E-05
297	370239	755427	Residential	5.33E+00	1.13E-02	3.53E+00	1.41E+00	3.00E+00	2.31E-03	1.61E+01	2.93E-01	2.63E+00	9.38E-05	-1.66E-01	-1.28E-05	1.05E+00	1.82E-04	4.68E-01	2.23E-05	1.59E+00	4.31E-05
298	370138	755427	Residential	6.33E+00	1.35E-02	3.93E+00	1.57E+00	4.49E+00	3.46E-03	1.89E+01	3.44E-01	2.95E+00	1.06E-04	-1.06E-01	-8.18E-06	1.17E+00	2.02E-04	5.67E-01	2.70E-05	3.63E+00	9.82E-05
299	370040	755427	Residential	1.60E-01	3.41E-04	7.72E-01	3.09E-01	-2.45E+00	-1.89E-03	1.17E+00	2.12E-02	4.99E-01	1.78E-05	-2.41E-01	-1.85E-05	2.38E-01	4.10E-05	-2.00E-02	-9.54E-07	-4.62E+00	-1.25E-04
300	369941	755426	Residential	1.52E+00	3.24E-03	1.44E+00	5.78E-01	-1.26E+00	-9.68E-04	5.01E+00	9.12E-02	1.01E+00	3.62E-05	-2.03E-01	-1.56E-05	4.36E-01	7.52E-05	9.36E-02	4.46E-06	-3.29E+00	-8.90E-05
301	369842	755426	Residential	2.41E+00	5.12E-03	1.93E+00	7.73E-01	-3.17E-01	-2.44E-04	7.61E+00	1.38E-01	1.39E+00	4.97E-05	-1.96E-01	-1.50E-05	5.81E-01	1.00E-04	1.79E-01	8.54E-06	-2.22E+00	-6.00E-05
304	369544	755434	Residential	2.61E-01	5.55E-04	9.09E-01	3.63E-01	-2.68E+00	-2.06E-03	1.55E+00	2.82E-02	5.93E-01	2.12E-05	-2.69E-01	-2.07E-05	2.79E-01	4.81E-05	-1.53E-02	-7.27E-07	-5.09E+00	-1.38E-04
305	369445	755434	Residential	2.19E+00	4.67E-03	1.90E+00	7.61E-01	-7.97E-01	-6.13E-04	7.07E+00	1.29E-01	1.36E+00	4.85E-05	-2.28E-01	-1.76E-05	5.73E-01	9.88E-05	1.57E-01	7.48E-06	-3.00E+00	-8.10E-05
306	369346	755434	Residential	3.32E+00	7.06E-03	2.50E+00	1.00E+00	-6.86E-02	-5.28E-05	1.03E+01	1.87E-01	1.81E+00	6.46E-05	-2.13E-01	-1.64E-05	7.51E-01	1.30E-04	2.45E-01	1.17E-05	-2.36E+00	-6.38E-05
310	368953	755441	Residential	2.33E+00	4.96E-03	2.12E+00	8.49E-01	-5.57E-02	-4.28E-05	7.74E+00	1.41E-01	1.54E+00	5.50E-05	-2.78E-01	-2.14E-05	6.41E-01	1.10E-04	2.08E-01	9.93E-06	-2.08E+00	-5.61E-05
311	368854	755441	Residential	2.11E+00	4.49E-03	1.91E+00	7.63E-01	-4.23E-01	-3.25E-04	6.96E+00	1.26E-01	1.37E+00	4.90E-05	-2.47E-01	-1.90E-05	5.75E-01	9.92E-05	1.73E-01	8.22E-06	-2.43E+00	-6.58E-05
312	368755	755441	Residential	2.23E+00	4.75E-03	1.89E+00	7.55E-01	-3.76E-01	-2.89E-04	7.20E+00	1.31E-01	1.36E+00	4.85E-05	-2.14E-01	-1.65E-05	5.68E-01	9.79E-05	1.72E-01	8.21E-06	-2.30E+00	-6.22E-05
313	368657	755441	Residential	2.67E+00	5.68E-03	2.09E+00	8.38E-01	3.13E-02	2.41E-05	8.43E+00	1.53E-01	1.52E+00	5.42E-05	-1.99E-01	-1.53E-05	6.29E-01	1.08E-04	2.09E-01	9.95E-06	-1.83E+00	-4.93E-05
314	368558	755440	Residential	3.13E+00	6.65E-03	2.32E+00	9.28E-01	2.78E-01	2.14E-04	9.72E+00	1.77E-01	1.68E+00	6.02E-05	-1.86E-01	-1.43E-05	6.95E-01	1.20E-04	2.41E-01	1.15E-05	-1.62E+00	-4.37E-05
315	368459	755440	Residential	3.54E+00	7.53E-03	2.54E+00	1.02E+00	1.06E+00	8.18E-04	1.10E+01	1.99E-01	1.86E+00	6.66E-05	-1.81E-01	-1.39E-05	7.61E-01	1.31E-04	2.94E-01	1.40E-05	-5.83E-01	-1.58E-05
316	368360	755440	Residential	4.07E+00	8.66E-03	2.80E+00	1.12E+00	1.48E+00	1.14E-03	1.25E+01	2.26E-01	2.06E+00	7.37E-05	-1.66E-01	-1.28E-05	8.38E-01	1.45E-04	3.36E-01	1.60E-05	-1.52E-01	-4.11E-06
317	368262	755439	Residential	4.16E+00	8.84E-03	2.85E+00	1.14E+00	1.53E+00	1.18E-03	1.27E+01	2.31E-01	2.10E+00	7.49E-05	-1.65E-01	-1.27E-05	8.51E-01	1.47E-04	3.43E-01	1.63E-05	-1.01E-01	-2.72E-06
318	368186	755427	Residential	3.96E+00	8.42E-03	2.75E+00	1.10E+00	1.42E+00	1.09E-03	1.22E+01	2.21E-01	2.02E+00	7.22E-05	-1.69E-01	-1.30E-05	8.21E-01	1.42E-04	3.28E-01	1.56E-05	-1.92E-01	-5.20E-06
319	368111	755414	Residential	3.75E+00	7.98E-03	2.63E+00	1.05E+00	1.33E+00	1.02E-03	1.16E+01	2.10E-01	1.94E+00	6.91E-05	-1.70E-01	-1.31E-05	7.87E-01	1.36E-04	3.13E-01	1.49E-05	-2.43E-01	-6.57E-06
46	367504	757948	School	5.20E+00	1.11E-02	3.36E+00	1.35E+00	2.89E+00	2.22E-03	1.56E+01	2.84E-01	2.50E+00	8.94E-05	-1.35E-01	-1.04E-05	1.00E+00	1.73E-04	4.47E-01	2.13E-05	1.59E+00	4.31E-05
47	367544	757873	School	5.51E+00	1.17E-02	3.57E+00	1.43E+00	2.75E+00	2.11E-03	1.65E+01	3.00E-01	2.65E+00	9.46E-05	-1.45E-01	-1.11E-05	1.07E+00	1.84E-04	4.62E-01	2.20E-05	1.19E+00	3.21E-05
48	367587	757909	School	5.41E+00	1.15E-02	3.50E+00	1.40E+00	2.99E+00	2.30E-03	1.62E+01	2.95E-01	2.61E+00	9.31E-05	-1.42E-01	-1.09E-05	1.04E+00	1.80E-04	4.65E-01	2.22E-05	1.64E+00	4.43E-05
49	367623	757866	School	5.58E+00	1.19E-02	3.63E+00	1.45E+00	2.91E+00	2.24E-03	1.68E+01	3.05E-01	2.70E+00	9.63E-05	-1.52E-01	-1.17E-05	1.08E+00	1.87E-04	4.74E-01	2.26E-05	1.39E+00	3.76E-05
50	367694	757866	School	5.55E+00	1.18E-02	3.62E+00	1.45E+00	3.04E+00	2.34E-03	1.67E+01	3.04E-01	2.70E+00	9.63E-05	-1.57E-01	-1.21E-05	1.08E+00	1.86E-04	4.79E-01	2.28E-05	1.60E+00	4.33E-05
51	367716	757927	School	4.79E+00	1.02E-02	3.20E+00	1.28E+00	2.40E+00	1.84E-03	1.45E+01	2.64E-01	2.38E+00	8.49E-05	-1.61E-01	-1.24E-05	9.58E-01	1.65E-04	4.12E-01	1.96E-05	9.23E-01	2.49E-05
52	367737	757988	School	4.36E+00	9.27E-03	2.95E+00	1.18E+00	1.65E+00	1.27E-03	1.32E+01	2.40E-01	2.18E+00	7.78E-05	-1.61E-01	-1.24E-05	8.83E-01	1.52E-04	3.58E-01	1.70E-05	-3.94E-02	-1.07E-06
53	367727	758067	School	3.81E+00	8.10E-03	2.64E+00	1.06E+00	9.72E-01	7.47E-04	1.15E+01	2.10E-01	1.93E+00	6.91E-05	-1.63E-01	-1.25E-05	7.91E-01	1.36E-04	3.00E-01	1.43E-05	-8.37E-01	-2.26E-05
54	367716	758146	School	3.15E+00	6.69E-03	2.27E+00	9.07E-01	7.19E-01	5.53E-04	9.64E+00	1.75E-01	1.66E+00	5.92E-05	-1.64E-01	-1.26E-05	6.80E-01	1.17E-04	2.53E-01	1.20E-05	-9.23E-01	-2.50E-05
56	367723	758254	School	2.53E+00	5.39E-03	2.01E+00	8.05E-01	6.58E-01	5.06E-04	8.03E+00	1.46E-01	1.48E+00	5.27E-05	-1.98E-01	-1.53E-05	6.05E-01	1.04E-04	2.26E-01	1.07E-05	-8.04E-01	-2.17E-05
57	367784	758221	School	2.57E+00	5.47E-03	2.05E+00	8.19E-01	6.44E-01	4.95E-04	8.15E+00	1.48E-01	1.50E+00	5.36E-05	-2.03E-01	-1.56E-05	6.15E-01	1.06E-04	2.29E-01	1.09E-05	-8.58E-01	-2.32E-05
58	367845	758189	School	3.10E+00	6.60E-03	2.35E+00	9.41E-01	8.82E-01	6.78E-04	9.69E+00	1.76E-01	1.73E+00	6.16E-05	-2.03E-01	-1.56E-05	7.06E-01	1.22E-04	2.68E-01	1.28E-05	-7.34E-01	-1.99E-05
106	370247	758254	School	4.76E-01	1.01E-03	8.98E-01	3.59E-01	-2.02E+00	-1.56E-03	2.08E+00	3.79E-02	6.00E-01	2.14E-05	-2.21E-01	-1.70E-05	2.74E-01	4.73E-05	9.43E-03	4.49E-07	-4.03E+00	-1.09E-04
107	370250	758189	School	3.47E-01	7.39E-04	8.62E-01	3.45E-01	-2.26E+00	-1.74E-03	1.75E+00	3.19E-02	5.69E-01	2.03E-05	-2.35E-01	-1.81E-05	2.64E-01	4.55E-05	-3.58E-03	-1.70E-07	-4.39E+00	-1.19E-04
108	370308	758196	School	3.06E-01	6.52E-04	8.12E-01	3.25E-01	-2.04E+00	-1.57E-03	1.62E+00	2.95E-02	5.39E-01	1.92E-05	-2.25E-01	-1.73E-05	2.49E-01	4.29E-05	3.33E-04	1.58E-08	-3.99E+00	-1.08E-04
109	370361	758236	School	-1.60E-01	-3.41E-04	5.68E-01	2.27E-01	-2.83E+00	-2.17E-03	2.36E-01	4.29E-03	3.43E-01	1.22E-05	-2.34E-01	-1.80E-05	1.77E-01	3.06E-05	-5.51E-02	-2.62E-06	-5.04E+00	-1.36E-04
110	370415	758275	School	-6.10E-01	-1.30E-03	3.95E-01	1.58E-01	-3.40E+00	-2.61E-03	-9.92E-01	-1.80E-02	2.04E-01	7.29E-06	-2.64E-01	-2.03E-05	1.27E-01	2.19E-05	-9.46E-02	-4.51E-06	-5.80E+00	-1.57E-04

Table 3-8B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 7, Horizon Year 2025 - Maximum Range
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	acetaldehyde ($\mu g/m^3$)	acetaldehyde Acute Hazard	acrolein ($\mu g/m^3$)	acrolein Acute Hazard	benzene ($\mu g/m^3$)	benzene Acute Hazard	formaldehyde ($\mu g/m^3$)	formaldehyde Acute Hazard	methyl alcohol ($\mu g/m^3$)	methyl alcohol Acute Hazard	methyl ethyl ketone ($\mu g/m^3$)	methyl ethyl ketone Acute Hazard	phenol (carbolic acid) ($\mu g/m^3$)	phenol (carbolic acid) Acute Hazard	styrene ($\mu g/m^3$)	styrene Acute Hazard	toluene ($\mu g/m^3$)	toluene Acute Hazard
			CalEPA Acute REL		470		2.5		1300		55		28000		13000		5800		21000		37000
302	369741	755435	School	-8.55E-02	-1.82E-04	6.73E-01	2.69E-01	-3.36E+00	-2.59E-03	4.32E-01	7.86E-03	4.04E-01	1.44E-05	-2.56E-01	-1.97E-05	2.09E-01	3.60E-05	-6.59E-02	-3.14E-06	-5.97E+00	-1.61E-04
303	369643	755434	School	9.35E-01	1.99E-03	1.18E+00	4.72E-01	-4.20E-01	-3.23E-04	3.52E+00	6.39E-02	8.50E-01	3.04E-05	-2.28E-01	-1.75E-05	3.60E-01	6.21E-05	1.00E-01	4.77E-06	-1.88E+00	-5.08E-05

Note: Shaded cells indicate locations where concentrations were highest within each land use category.

Table 3-8B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 7, Horizon Year 2025 - Maximum Range
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m³)	xylene, total Acute Hazard	arsenic (µg/m³)	arsenic Acute Hazard	chlorine (µg/m³)	chlorine Acute Hazard	copper (µg/m³)	copper Acute Hazard	mercury (µg/m³)	mercury Acute Hazard	nickel (µg/m³)	nickel Acute Hazard	vanadium (µg/m³)	vanadium Acute Hazard	sulfates (µg/m³)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
117	370814	758243	Offsite Worker	-2.39E+00	-1.09E-04	-1.79E-03	-8.95E-03	-1.28E-01	-6.09E-04	-8.89E-03	-8.89E-05	-1.07E-02	-1.79E-02	-6.83E-03	-1.14E-03	-1.04E-02	-3.46E-04	-6.27E+00	-5.22E-02
118	370810	758153	Offsite Worker	-2.37E+00	-1.08E-04	-2.06E-03	-1.03E-02	-1.48E-01	-7.03E-04	-1.02E-02	-1.02E-04	-1.23E-02	-2.06E-02	-7.86E-03	-1.31E-03	-1.19E-02	-3.98E-04	-7.21E+00	-6.01E-02
119	370807	758063	Offsite Worker	-1.99E+00	-9.04E-05	-2.35E-03	-1.17E-02	-1.69E-01	-8.07E-04	-1.17E-02	-1.17E-04	-1.41E-02	-2.35E-02	-8.98E-03	-1.50E-03	-1.36E-02	-4.54E-04	-8.23E+00	-6.86E-02
120	370803	757974	Offsite Worker	-2.49E+00	-1.13E-04	-2.75E-03	-1.37E-02	-1.97E-01	-9.38E-04	-1.36E-02	-1.36E-04	-1.65E-02	-2.75E-02	-1.05E-02	-1.75E-03	-1.59E-02	-5.31E-04	-9.62E+00	-8.02E-02
121	370835	757927	Offsite Worker	-3.04E+00	-1.38E-04	-3.00E-03	-1.50E-02	-2.12E-01	-1.01E-03	-1.49E-02	-1.49E-04	-1.80E-02	-3.00E-02	-1.15E-02	-1.91E-03	-1.74E-02	-5.81E-04	-1.05E+01	-8.75E-02
122	370868	757880	Offsite Worker	-1.96E+00	-8.92E-05	-2.70E-03	-1.35E-02	-1.90E-01	-9.03E-04	-1.33E-02	-1.33E-04	-1.62E-02	-2.70E-02	-1.03E-02	-1.71E-03	-1.56E-02	-5.22E-04	-9.43E+00	-7.86E-02
123	370921	757884	Offsite Worker	-2.32E+00	-1.06E-04	-3.04E-03	-1.52E-02	-2.11E-01	-1.01E-03	-1.50E-02	-1.50E-04	-1.83E-02	-3.04E-02	-1.16E-02	-1.93E-03	-1.76E-02	-5.88E-04	-1.06E+01	-8.85E-02
124	370975	757887	Offsite Worker	-1.71E+00	-7.79E-05	-2.81E-03	-1.41E-02	-1.94E-01	-9.23E-04	-1.38E-02	-1.38E-04	-1.69E-02	-2.81E-02	-1.07E-02	-1.78E-03	-1.63E-02	-5.44E-04	-9.80E+00	-8.17E-02
125	370975	757794	Offsite Worker	-3.70E-01	-1.68E-05	-2.10E-03	-1.05E-02	-1.45E-01	-6.88E-04	-9.99E-03	-9.99E-05	-1.26E-02	-2.10E-02	-7.97E-03	-1.33E-03	-1.22E-02	-4.05E-04	-7.31E+00	-6.09E-02
126	371026	757794	Offsite Worker	-1.21E+00	-5.52E-05	-1.98E-03	-9.91E-03	-1.40E-01	-6.69E-04	-9.35E-03	-9.35E-05	-1.19E-02	-1.98E-02	-7.56E-03	-1.26E-03	-1.15E-02	-3.83E-04	-6.94E+00	-5.78E-02
127	371076	757877	Offsite Worker	-4.52E-01	-2.05E-05	-2.01E-03	-1.01E-02	-1.44E-01	-6.86E-04	-9.64E-03	-9.64E-05	-1.21E-02	-2.01E-02	-7.70E-03	-1.28E-03	-1.17E-02	-3.90E-04	-7.06E+00	-5.88E-02
128	371126	757959	Offsite Worker	1.16E-01	5.26E-06	-2.00E-03	-1.00E-02	-1.42E-01	-6.74E-04	-9.64E-03	-9.64E-05	-1.20E-02	-2.00E-02	-7.63E-03	-1.27E-03	-1.16E-02	-3.87E-04	-7.00E+00	-5.83E-02
129	371119	758031	Offsite Worker	-2.84E-01	-1.29E-05	-1.84E-03	-9.18E-03	-1.31E-01	-6.22E-04	-8.89E-03	-8.89E-05	-1.10E-02	-1.84E-02	-7.01E-03	-1.17E-03	-1.06E-02	-3.55E-04	-6.43E+00	-5.35E-02
143	371953	757977	Offsite Worker	-1.78E+00	-8.08E-05	-1.34E-03	-6.70E-03	-9.46E-02	-4.50E-04	-6.38E-03	-6.38E-05	-8.04E-03	-1.34E-02	-5.11E-03	-8.51E-04	-7.77E-03	-2.59E-04	-4.69E+00	-3.90E-02
144	371948	757880	Offsite Worker	-2.10E+00	-9.55E-05	-9.64E-04	-4.82E-03	-7.02E-02	-3.34E-04	-4.51E-03	-4.51E-05	-5.79E-03	-9.64E-03	-3.69E-03	-6.15E-04	-5.59E-03	-1.86E-04	-3.39E+00	-2.82E-02
145	371943	757783	Offsite Worker	-4.66E+00	-2.12E-04	-1.42E-03	-7.11E-03	-1.07E-01	-5.08E-04	-6.88E-03	-6.88E-05	-8.53E-03	-1.42E-02	-5.47E-03	-9.11E-04	-8.25E-03	-2.75E-04	-5.01E+00	-4.18E-02
146	372016	757794	Offsite Worker	-4.52E+00	-2.05E-04	-1.45E-03	-7.26E-03	-1.06E-01	-5.03E-04	-7.04E-03	-7.04E-05	-8.71E-03	-1.45E-02	-5.56E-03	-9.26E-04	-8.42E-03	-2.81E-04	-5.10E+00	-4.25E-02
147	372102	757791	Offsite Worker	-4.40E+00	-2.00E-04	-1.47E-03	-7.35E-03	-1.05E-01	-5.01E-04	-7.16E-03	-7.16E-05	-8.83E-03	-1.47E-02	-5.62E-03	-9.36E-04	-8.53E-03	-2.84E-04	-5.15E+00	-4.29E-02
148	372178	757760	Offsite Worker	-3.43E+00	-1.56E-04	-1.37E-03	-6.85E-03	-9.77E-02	-4.65E-04	-6.68E-03	-6.68E-05	-8.22E-03	-1.37E-02	-5.23E-03	-8.72E-04	-7.94E-03	-2.65E-04	-4.80E+00	-4.00E-02
149	372177	757670	Offsite Worker	-2.56E+00	-1.16E-04	-1.51E-03	-7.56E-03	-1.09E-01	-5.20E-04	-7.44E-03	-7.44E-05	-9.07E-03	-1.51E-02	-5.78E-03	-9.64E-04	-8.77E-03	-2.92E-04	-5.30E+00	-4.42E-02
150	372176	757579	Offsite Worker	-1.97E+00	-8.94E-05	-1.12E-03	-5.60E-03	-8.94E-02	-4.26E-04	-5.47E-03	-5.47E-05	-6.72E-03	-1.12E-02	-4.34E-03	-7.24E-04	-6.49E-03	-2.16E-04	-3.98E+00	-3.32E-02
151	372174	757489	Offsite Worker	-2.20E+00	-9.98E-05	-7.96E-04	-3.98E-03	-6.40E-02	-3.05E-04	-3.79E-03	-3.79E-05	-4.78E-03	-7.96E-03	-3.09E-03	-5.15E-04	-4.62E-03	-1.54E-04	-2.84E+00	-2.36E-02
152	372173	757398	Offsite Worker	-1.25E+00	-5.69E-05	-1.02E-03	-5.12E-03	-8.46E-02	-4.03E-04	-4.95E-03	-4.95E-05	-6.14E-03	-1.02E-02	-3.99E-03	-6.65E-04	-5.94E-03	-1.98E-04	-3.66E+00	-3.05E-02
153	372171	757308	Offsite Worker	4.09E-01	1.86E-05	-9.83E-04	-4.91E-03	-6.82E-02	-3.25E-04	-4.55E-03	-4.55E-05	-5.90E-03	-9.83E-03	-3.74E-03	-6.23E-04	-5.70E-03	-1.90E-04	-3.43E+00	-2.86E-02
154	372055	757309	Offsite Worker	-1.01E+00	-4.58E-05	-1.26E-03	-6.30E-03	-1.06E-01	-5.05E-04	-6.18E-03	-6.18E-05	-7.56E-03	-1.26E-02	-4.93E-03	-8.21E-04	-7.31E-03	-2.44E-04	-4.52E+00	-3.76E-02
156	372055	757416	Offsite Worker	-2.26E+00	-1.03E-04	-1.11E-03	-5.56E-03	-9.82E-02	-4.67E-04	-5.52E-03	-5.52E-05	-6.67E-03	-1.11E-02	-4.38E-03	-7.30E-04	-6.45E-03	-2.15E-04	-4.01E+00	-3.35E-02
157	371952	757442	Offsite Worker	-1.85E+00	-8.42E-05	-1.32E-03	-6.59E-03	-9.07E-02	-4.32E-04	-6.37E-03	-6.37E-05	-7.91E-03	-1.32E-02	-5.01E-03	-8.35E-04	-7.64E-03	-2.55E-04	-4.59E+00	-3.83E-02
158	371950	757345	Offsite Worker	-3.07E+00	-1.39E-04	-1.44E-03	-7.21E-03	-1.39E-01	-6.64E-04	-7.32E-03	-7.32E-05	-8.65E-03	-1.44E-02	-5.77E-03	-9.61E-04	-8.36E-03	-2.79E-04	-5.29E+00	-4.40E-02
159	371864	757344	Offsite Worker	-2.84E+00	-1.29E-04	-1.41E-03	-7.06E-03	-1.33E-01	-6.35E-04	-7.10E-03	-7.10E-05	-8.47E-03	-1.41E-02	-5.62E-03	-9.37E-04	-8.19E-03	-2.73E-04	-5.15E+00	-4.29E-02
160	371790	757347	Offsite Worker	-1.76E+00	-8.02E-05	-1.33E-03	-6.67E-03	-1.07E-01	-5.12E-04	-6.52E-03	-6.52E-05	-8.00E-03	-1.33E-02	-5.18E-03	-8.63E-04	-7.73E-03	-2.58E-04	-4.75E+00	-3.96E-02
161	371708	757356	Offsite Worker	-1.10E+00	-5.01E-05	-1.35E-03	-6.74E-03	-8.68E-02	-4.13E-04	-6.41E-03	-6.41E-05	-8.09E-03	-1.35E-02	-5.08E-03	-8.47E-04	-7.82E-03	-2.61E-04	-4.66E+00	-3.89E-02
162	371615	757356	Offsite Worker	-7.56E-01	-3.44E-05	-1.49E-03	-7.44E-03	-8.44E-02	-4.02E-04	-7.00E-03	-7.00E-05	-8.92E-03	-1.49E-02	-5.52E-03	-9.21E-04	-8.63E-03	-2.88E-04	-5.07E+00	-4.22E-02
163	371523	757356	Offsite Worker	-5.36E-01	-2.44E-05	-1.85E-03	-9.24E-03	-1.13E-01	-5.39E-04	-8.86E-03	-8.86E-05	-1.11E-02	-1.85E-02	-6.92E-03	-1.15E-03	-1.07E-02	-3.57E-04	-6.35E+00	-5.29E-02
164	371430	757356	Offsite Worker	-1.05E-01	-4.79E-06	-2.24E-03	-1.12E-02	-1.57E-01	-7.49E-04	-1.10E-02	-1.10E-04	-1.34E-02	-2.24E-02	-8.54E-03	-1.42E-03	-1.30E-02	-4.33E-04	-7.83E+00	-6.52E-02
165	371338	757356	Offsite Worker	-3.74E-01	-1.70E-05	-2.76E-03	-1.38E-02	-2.15E-01	-1.02E-03	-1.38E-02	-1.38E-04	-1.65E-02	-2.76E-02	-1.07E-02	-1.78E-03	-1.60E-02	-5.33E-04	-9.77E+00	-8.14E-02
166	371245	757356	Offsite Worker	-1.20E+00	-5.46E-05	-3.48E-03	-1.74E-02	-2.74E-01	-1.31E-03	-1.75E-02	-1.75E-04	-2.09E-02	-3.48E-02	-1.35E-02	-2.24E-03	-2.02E-02	-6.72E-04	-1.23E+01	-1.03E-01
167	371153	757356	Offsite Worker	-2.71E+00	-1.23E-04	-4.02E-03	-2.01E-02	-3.12E-01	-1.49E-03	-2.01E-02	-2.01E-04	-2.41E-02	-4.02E-02	-1.55E-02	-2.59E-03	-2.33E-02	-7.77E-04	-1.42E+01	-1.19E-01
168	371061	757356	Offsite Worker	-4.67E+00	-2.12E-04	-4.54E-03	-2.27E-02	-3.52E-01	-1.67E-03	-2.26E-02	-2.26E-04	-2.72E-02	-4.54E-02	-1.75E-02	-2.92E-03	-2.63E-02	-8.77E-04	-1.61E+01	-1.34E-01
169	371005	757357	Offsite Worker	-6.53E+00	-2.97E-04	-5.12E-03	-2.56E-02	-4.00E-01	-1.90E-03	-2.56E-02	-2.56E-04	-3.07E-02	-5.12E-02	-1.98E-02	-3.30E-03	-2.97E-02	-9.90E-04	-1.82E+01	-1.51E-01
170	370998	757293	Offsite Worker	-3.29E+00	-1.49E-04	-4.33E-03	-2.16E-02	-3.47E-01	-1.65E-03	-2.16E-02	-2.16E-04	-2.60E-02	-4.33E-02	-1.68E-02	-2.80E-03	-2.51E-02	-8.37E-04	-1.54E+01	-1.28E-01
171	370998	757194	Offsite Worker	2.75E+00	1.25E-04	-2.10E-03	-1.05E-02	-1.63E-01	-7.76E-04	-9.99E-03	-9.99E-05	-1.26E-02	-2.10E-02	-8.13E-03	-1.35E-03	-1.22E-02	-4.07E-04	-7.45E+00	-6.21E-02
172	370998	757096	Offsite Worker	3.16E+00	1.44E-04	-2.24E-03	-1.12E-02	-1.54E-01	-7.32E-04	-1.05E-02	-1.05E-04	-1.34E-02	-2.24E-02	-8.51E-03	-1.42E-03	-1.30E-02	-4.33E-04	-7.81E+00	-6.51E-02
173	370998	756998	Offsite Worker	-6.39E+00	-2.91E-04	-2.58E-03	-1.29E-02	-1.61E-01	-7.68E-04	-1.25E-02	-1.25E-04	-1.55E-02	-2.58E-02	-9.70E-03	-1.62E-03	-1.50E-02	-5.00E-04	-8.90E+00	-7.42E-02
174	371057	756997	Offsite Worker	-3.64E+00	-1.65E-04	-2.60E-03	-1.30E-02	-1.59E-01	-7.55E-04	-1.26E-02	-1.26E-04	-1.56E-02	-2.60E-02	-9.75E-03	-1.62E-03	-1.51E-02	-5.03E-04	-8.94E+00	-7.45E-02
175	371153	756997	Offsite Worker	-4.08E+00	-1.85E-04	-1.92E-03	-9.62E-03	-1.09E-01	-5.18E-04	-9.13E-03	-9.13E-05	-1.15E-02	-1.92E-02	-7.15E-03	-1.19E-03	-1.12E-02	-3.72E-04	-6.56E+00	-5.46E-02
176	371249	756997	Offsite Worker	-4.64E+00	-2.11E-04	-2.20E-03	-1.10E-02	-1.36E-01	-6.47E-04	-1.06E-02	-1.06E-04	-1.32E-02	-2.20E-02	-8.24E-03	-1.37E-03	-1.27E-02	-4.25E-04	-7.56E+00	-6.30E-02
177	371345	756997	Offsite Worker	-4.49E+00	-2.04E-04	-1.91E-03	-9.56E-03	-1.12E-01	-5.36E-04	-9.09E-03	-9.09E-05	-1.15E-02	-1.91E-02	-7.13E-03	-1.19E-03	-1.11E-02	-3.70E-04	-6.54E+00	-5.45E-02
178	371440	756997	Offsite Worker	-2.60E+00	-1.18E-04	-1.79E-03	-8.94E-03	-1.01E-01	-4.82E-04	-8.38E-03	-8.38E-05	-1.07E-02	-1.79E-02	-6.64E-03	-1.11E-03	-1.04E-02	-3.46E-04	-6.09E+00	-5.08E-02
179	371536	756997	Offsite Worker	-1.08E+00	-4.91E-05	-1.83E-03	-9.16E-03	-1.06E-01	-5.05E-04	-8.59E-03	-8.59E-05	-1.10E-02	-1.83E-02	-6.82E-03	-1.14E-03	-1.06E-02	-3.54E-04	-6.26E+00	-5.21E-02
180	371632	756997	Offsite Worker	3.27E-01	1.49E-05	-1.76E-03	-8.78E-03	-1.05E-01	-5.01E-04	-8.26E-03	-8.26E-05	-1.05E-02	-1.76E-02	-6.56E-03	-1.09E-03	-1.02E-02	-3.39E-04	-6.02E+00	-5.02E-02
181	371728	756997	Offsite Worker	9.37E-01	4.26E-05	-1.45E-03	-7.27E-03	-9.26E-02	-4.41E-04	-6.86E-03	-6.86E-05	-8.73E-03	-1.45E-02	-5.47E-03	-9.12E-04	-8.44E-03	-2.81E-04	-5.02E+00	-4.19E-02
182	371824	756997	Offsite Worker	3.21E-01	1.46E-05	-1.36E-03	-6.79E-03	-8.29E-02	-3.95E-04	-6.36E-03	-6.36E-05	-8.14E-03	-1.36E-02	-5.08E-03	-8.47E-04	-7.87E-03	-2.62E-04	-4.66E+00	-3.89E-02
183	371920	756997	Offsite Worker	8.13E-01	3.70E-05	-2.11E-04	-1.05E-03	9.79E-03	4.66E-05	-2.18E-04	-2.18E-06	-1.26E-03	-2.11E-03	-6.28E-04	-1.05E-04	-1.22E-03	-4.08E-05	-5.79E-01	-4.82E-03
184	372016	756997	Offsite Worker	1.85E+00	8.39E-05	3.63E-04	1.81E-03	4.81E-02	2.29E-04	2.74E-03	2.74E-05	2.18E-03	3.63E-03	1.54E-03	2.57E-04	2.10E-03	7.01E-05	1.41E+00	1.18E-02
185	372111	756997	Offsite Worker	5.00E+00	2.27E-04	8.07E-04	4.04E-03	6.75E-02	3.22E-04	4.95E-03	4.95E-05	4.84E-03	8.07E-03	3.15E-03	5.25E-04	4.68E-03	1.56E-04	2.89E+00	2.41E-02
186	372207	756997	Offsite Worker	1.88E+00	8.52E-05	2.22E-04	1.11E-03	2.06E-02	9.82E-05	1.76E-03	1.76E-05	1.33E-03	2.22E-03	8.83E-04	1.47E-04	1.29E-03	4.30E-05	8.09E-01	6.75E-03
187	372303	756997	Offsite Worker	3.19E+00	1.45E-04	4.34E-04	2.17E-03	4.23E-02	2.01E-04	2.98E-03	2.98E-05	2.61E-03	4.34E-03	1.74E-03	2.90E-04	2.52E-03	8.40E-05	1.59E+00	1.33E-02
188	372399	756997	Offsite Worker	5.06E+00	2.30E-04	8.82E-04	4.41E-03	7.58E-02	3.61E-04	5.35E-03	5.35E-05	5.29E-03	8.82E-03	3.46E-03	5.77E-04	5.12E-03	1.71E-04	3.17E+00	2.64E-02
189	372495	756997	Offsite Worker	1.04E+01	4.73E-04	2.19E-03	1.10E-02	1.73E-01	8.22E-04	1.23E-02	1.23E-04	1.32E-02	2.19E-02	8.49E-03	1.41E-03	1.27E-02	4.24E-04	7.78E+00	6.49E-02
190	372591	756997	Offsite Worker	1.08E+01	4.93E-04	2.32E-03	1.16E-02	1.84E-01	8.75E-04	1.29E-02	1.29E-04	1.39E-02	2.32E-02	9.00E-03	1.50E-03	1.35E-02	4.49E-04	8.25E+00	6.88E-02
191	372610	757063	Offsite Worker	1.00E+01	4.56E-04	2.28E-03	1.14E-02	1.77E-01	8.45E-04	1.26E-02	1.26E-04	1.37E-02	2.28E-02	8.80E-03	1.47E-03	1.32E-02	4.40E-04	8.07E+00	6.72E-02
192	372612	757132	Offsite Worker	3.89E+00	1.77E-04	7.31E-04	3.66E-03	6.68E-02	3.18E-04	4.44E-03	4.44E-05	4.39E-03	7.31E-03	2.90E-03	4.83E-04	4.24E-03	1.41E-04	2.66E+00	2.21E-02
193	372614	757201	Offsite Worker	-9.75E-01	-4.43E-05	-7.02E-04	-3.51E-03	-4.12E-02	-1.96E-04	-3.21E-03	-3.21E-05	-4.21E-03	-7.02E-03	-2.62E-03	-4.36E-04	-4.07E-03	-1.36E-04	-2.40E+00	-2.00E-02
194	372616	757270	Offsite Worker	4.99E-01	2.27E-05	-3.63E-04	-1.81E-03	-1.58E-02	-7.50E-05	-1.36E-03	-1.36E-05	-2.18E-03	-3.63E-03	-1.31E-03	-2.19E-04	-2.10E-03	-7.02E-05	-1.21E+00	-1.00E-02
195	372627	757351	Offsite Worker	1.34E+00	6.07E-05	-1.28E-04	-6.41E-04	-4.25E-03	-2.02E-05	-1.59E-04	-1.59E-06	-7.70E-04	-1.28E-03	-4.55E-04	-7.58E-05	-7.44E-04	-2.48E-05	-4.18E-01	-3.48E-03

Table 3-8B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 7, Horizon Year 2025 - Maximum Range
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m³)	xylene, total Acute Hazard	arsenic (µg/m³)	arsenic Acute Hazard	chlorine (µg/m³)	chlorine Acute Hazard	copper (µg/m³)	copper Acute Hazard	mercury (µg/m³)	mercury Acute Hazard	nickel (µg/m³)	nickel Acute Hazard	vanadium (µg/m³)	vanadium Acute Hazard	sulfates (µg/m³)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
196	372651	757422	Offsite Worker	1.31E+00	5.94E-05	-1.92E-04	-9.59E-04	-7.62E-03	-3.63E-05	-5.13E-04	-5.13E-06	-1.15E-03	-1.92E-03	-6.89E-04	-1.15E-04	-1.11E-03	-3.71E-05	-6.33E-01	-5.27E-03
197	372676	757494	Offsite Worker	1.17E+00	5.30E-05	-5.93E-04	-2.97E-03	-3.92E-02	-1.87E-04	-2.63E-03	-2.63E-05	-3.56E-03	-5.93E-03	-2.24E-03	-3.74E-04	-3.44E-03	-1.15E-04	-2.06E+00	-1.72E-02
198	372704	757569	Offsite Worker	1.82E-01	8.28E-06	-9.01E-04	-4.50E-03	-6.36E-02	-3.03E-04	-4.28E-03	-4.28E-05	-5.41E-03	-9.01E-03	-3.43E-03	-5.72E-04	-5.22E-03	-1.74E-04	-3.15E+00	-2.63E-02
199	372733	757645	Offsite Worker	-9.38E-01	-4.26E-05	-9.71E-04	-4.85E-03	-6.94E-02	-3.30E-04	-4.70E-03	-4.70E-05	-5.83E-03	-9.71E-03	-3.71E-03	-6.18E-04	-5.63E-03	-1.88E-04	-3.40E+00	-2.83E-02
200	372746	757702	Offsite Worker	-1.42E+00	-6.45E-05	-8.90E-04	-4.45E-03	-6.51E-02	-3.10E-04	-4.32E-03	-4.32E-05	-5.34E-03	-8.90E-03	-3.41E-03	-5.68E-04	-5.16E-03	-1.72E-04	-3.13E+00	-2.61E-02
201	372746	757768	Offsite Worker	-1.66E+00	-7.53E-05	-1.05E-03	-5.27E-03	-7.87E-02	-3.75E-04	-5.21E-03	-5.21E-05	-6.33E-03	-1.05E-02	-4.05E-03	-6.75E-04	-6.11E-03	-2.04E-04	-3.71E+00	-3.10E-02
202	372807	757781	Offsite Worker	-1.50E+00	-6.81E-05	-9.51E-04	-4.75E-03	-6.96E-02	-3.31E-04	-4.67E-03	-4.67E-05	-5.70E-03	-9.51E-03	-3.64E-03	-6.07E-04	-5.51E-03	-1.84E-04	-3.34E+00	-2.78E-02
203	372901	757782	Offsite Worker	-1.12E+00	-5.07E-05	-5.39E-04	-2.70E-03	-3.05E-02	-1.45E-04	-2.45E-03	-2.45E-05	-3.24E-03	-5.39E-03	-2.00E-03	-3.34E-04	-3.13E-03	-1.04E-04	-1.84E+00	-1.53E-02
204	372994	757783	Offsite Worker	-7.29E-01	-3.31E-05	-8.22E-04	-4.11E-03	-4.81E-02	-2.29E-04	-3.90E-03	-3.90E-05	-4.93E-03	-8.22E-03	-3.06E-03	-5.11E-04	-4.77E-03	-1.59E-04	-2.81E+00	-2.34E-02
205	373087	757783	Offsite Worker	-2.80E-01	-1.27E-05	-9.18E-04	-4.59E-03	-5.47E-02	-2.60E-04	-4.35E-03	-4.35E-05	-5.51E-03	-9.18E-03	-3.43E-03	-5.71E-04	-5.32E-03	-1.77E-04	-3.15E+00	-2.62E-02
206	373180	757784	Offsite Worker	9.46E-02	4.30E-06	-9.54E-04	-4.77E-03	-5.68E-02	-2.71E-04	-4.52E-03	-4.52E-05	-5.73E-03	-9.54E-03	-3.56E-03	-5.94E-04	-5.54E-03	-1.85E-04	-3.27E+00	-2.73E-02
207	373274	757785	Offsite Worker	2.72E-01	1.24E-05	-8.99E-04	-4.49E-03	-5.17E-02	-2.46E-04	-4.24E-03	-4.24E-05	-5.39E-03	-8.99E-03	-3.34E-03	-5.57E-04	-5.21E-03	-1.74E-04	-3.07E+00	-2.56E-02
208	373367	757786	Offsite Worker	3.58E-01	1.63E-05	-8.08E-04	-4.04E-03	-4.66E-02	-2.22E-04	-3.77E-03	-3.77E-05	-4.85E-03	-8.08E-03	-3.01E-03	-5.01E-04	-4.69E-03	-1.56E-04	-2.76E+00	-2.30E-02
209	373418	757742	Offsite Worker	1.77E+00	8.03E-05	-6.16E-05	-3.08E-04	6.43E-03	3.06E-05	1.56E-04	1.56E-06	-3.70E-04	-6.16E-04	-1.58E-04	-2.63E-05	-3.58E-04	-1.19E-05	-1.46E-01	-1.22E-03
210	373418	757653	Offsite Worker	2.42E+00	1.10E-04	1.69E-05	8.43E-05	1.74E-02	8.28E-05	6.47E-04	6.47E-06	1.01E-04	1.69E-04	1.80E-04	3.00E-05	9.78E-05	3.26E-06	1.63E-01	1.36E-03
211	373419	757564	Offsite Worker	5.96E-01	2.71E-05	-4.66E-04	-2.33E-03	-1.69E-02	-8.06E-05	-1.90E-03	-1.90E-05	-2.80E-03	-4.66E-03	-1.66E-03	-2.77E-04	-2.70E-03	-9.01E-05	-1.53E+00	-1.27E-02
212	373419	757475	Offsite Worker	-2.75E-01	-1.25E-05	-5.72E-04	-2.86E-03	-3.62E-02	-1.72E-04	-2.69E-03	-2.69E-05	-3.43E-03	-5.72E-03	-2.15E-03	-3.59E-04	-3.32E-03	-1.11E-04	-1.97E+00	-1.64E-02
213	373420	757386	Offsite Worker	-3.98E-01	-1.81E-05	-5.41E-04	-2.71E-03	-2.94E-02	-1.40E-04	-2.46E-03	-2.46E-05	-3.25E-03	-5.41E-03	-2.00E-03	-3.33E-04	-3.14E-03	-1.05E-04	-1.84E+00	-1.53E-02
214	373420	757297	Offsite Worker	-4.85E-01	-2.20E-05	-6.51E-04	-3.26E-03	-3.73E-02	-1.78E-04	-3.02E-03	-3.02E-05	-3.91E-03	-6.51E-03	-2.42E-03	-4.03E-04	-3.78E-03	-1.26E-04	-2.22E+00	-1.85E-02
215	373421	757207	Offsite Worker	-5.57E-01	-2.53E-05	-8.29E-04	-4.14E-03	-5.57E-02	-2.65E-04	-4.01E-03	-4.01E-05	-4.97E-03	-8.29E-03	-3.14E-03	-5.23E-04	-4.81E-03	-1.60E-04	-2.88E+00	-2.40E-02
216	373421	757118	Offsite Worker	-1.00E+00	-4.55E-05	-8.88E-04	-4.44E-03	-6.29E-02	-2.99E-04	-4.32E-03	-4.32E-05	-5.33E-03	-8.88E-03	-3.39E-03	-5.65E-04	-5.15E-03	-1.72E-04	-3.11E+00	-2.59E-02
217	373292	757117	Offsite Worker	-7.99E-01	-3.63E-05	-9.04E-04	-4.52E-03	-6.51E-02	-3.10E-04	-4.39E-03	-4.39E-05	-5.42E-03	-9.04E-03	-3.46E-03	-5.76E-04	-5.24E-03	-1.75E-04	-3.17E+00	-2.64E-02
218	373213	757118	Offsite Worker	-6.01E-01	-2.73E-05	-7.92E-04	-3.96E-03	-5.56E-02	-2.65E-04	-3.80E-03	-3.80E-05	-4.75E-03	-7.92E-03	-3.02E-03	-5.03E-04	-4.60E-03	-1.53E-04	-2.77E+00	-2.31E-02
219	373158	757066	Offsite Worker	-7.13E-01	-3.24E-05	-8.42E-04	-4.21E-03	-6.11E-02	-2.91E-04	-4.06E-03	-4.06E-05	-5.05E-03	-8.42E-03	-3.22E-03	-5.37E-04	-4.88E-03	-1.63E-04	-2.96E+00	-2.46E-02
220	373084	757026	Offsite Worker	-6.82E-01	-3.10E-05	-8.39E-04	-4.19E-03	-6.07E-02	-2.89E-04	-4.03E-03	-4.03E-05	-5.03E-03	-8.39E-03	-3.21E-03	-5.35E-04	-4.86E-03	-1.62E-04	-2.94E+00	-2.45E-02
221	373009	757011	Offsite Worker	-4.95E-01	-2.25E-05	-7.36E-04	-3.68E-03	-5.14E-02	-2.45E-04	-3.45E-03	-3.45E-05	-4.42E-03	-7.36E-03	-2.80E-03	-4.67E-04	-4.27E-03	-1.42E-04	-2.57E+00	-2.14E-02
222	372922	757009	Offsite Worker	-1.34E-01	-6.07E-06	-6.26E-04	-3.13E-03	-4.31E-02	-2.05E-04	-2.85E-03	-2.85E-05	-3.75E-03	-6.26E-03	-2.38E-03	-3.96E-04	-3.63E-03	-1.21E-04	-2.18E+00	-1.82E-02
223	372835	757007	Offsite Worker	-4.68E-01	-2.13E-05	-5.85E-04	-2.93E-03	-3.99E-02	-1.90E-04	-2.58E-03	-2.58E-05	-3.51E-03	-5.85E-03	-2.22E-03	-3.70E-04	-3.40E-03	-1.13E-04	-2.04E+00	-1.70E-02
224	372747	757006	Offsite Worker	8.11E-01	3.68E-05	-4.33E-04	-2.17E-03	-2.39E-02	-1.14E-04	-1.77E-03	-1.77E-05	-2.60E-03	-4.33E-03	-1.60E-03	-2.67E-04	-2.51E-03	-8.38E-05	-1.47E+00	-1.23E-02
225	372660	757004	Offsite Worker	6.01E+00	2.73E-04	1.05E-03	5.26E-03	9.48E-02	4.52E-04	6.24E-03	6.24E-05	6.32E-03	1.05E-02	4.16E-03	6.93E-04	6.11E-03	2.04E-04	3.81E+00	3.18E-02
226	372651	757063	Offsite Worker	9.96E+00	4.53E-04	2.25E-03	1.12E-02	1.76E-01	8.39E-04	1.25E-02	1.25E-04	1.35E-02	2.25E-02	8.70E-03	1.45E-03	1.30E-02	4.35E-04	7.97E+00	6.65E-02
227	372629	756931	Offsite Worker	2.53E+00	1.15E-04	-4.91E-05	-2.46E-04	8.21E-03	3.91E-05	3.16E-04	3.16E-06	-2.95E-04	-4.91E-04	-1.04E-04	-1.73E-05	-2.85E-04	-9.50E-06	-9.67E-02	-8.06E-04
228	372631	756857	Offsite Worker	2.48E+00	1.13E-04	1.64E-04	8.22E-04	1.91E-02	9.11E-05	1.38E-03	1.38E-05	9.87E-04	1.64E-03	6.81E-04	1.13E-04	9.54E-04	3.18E-05	6.23E-01	5.20E-03
229	372634	756783	Offsite Worker	1.78E+00	8.11E-05	-1.62E-04	-8.09E-04	-7.74E-03	-3.69E-05	-3.53E-04	-3.53E-06	-9.71E-04	-1.62E-03	-5.91E-04	-9.85E-05	-9.39E-04	-3.13E-05	-5.42E-01	-4.52E-03
230	372702	756778	Offsite Worker	1.31E+00	5.98E-05	-3.24E-04	-1.62E-03	-2.15E-02	-1.02E-04	-1.18E-03	-1.18E-05	-1.94E-03	-3.24E-03	-1.23E-03	-2.04E-04	-1.88E-03	-6.26E-05	-1.12E+00	-9.37E-03
231	372756	756775	Offsite Worker	1.16E+00	5.26E-05	-3.07E-04	-1.53E-03	-2.11E-02	-1.01E-04	-1.12E-03	-1.12E-05	-1.84E-03	-3.07E-03	-1.17E-03	-1.94E-04	-1.78E-03	-5.93E-05	-1.07E+00	-8.91E-03
232	372729	756712	Offsite Worker	2.28E+00	1.04E-04	-3.93E-05	-1.96E-04	7.29E-04	3.47E-06	4.17E-04	4.17E-06	-2.36E-04	-3.93E-04	-1.25E-04	-2.08E-05	-2.28E-04	-7.60E-06	-1.15E-01	-9.57E-04
233	372703	756650	Offsite Worker	1.65E+00	7.50E-05	-1.72E-04	-8.62E-04	-9.98E-03	-4.75E-05	-2.50E-04	-2.50E-06	-1.03E-03	-1.72E-03	-6.42E-04	-1.07E-04	-1.00E-03	-3.33E-05	-5.89E-01	-4.91E-03
234	372677	756588	Offsite Worker	2.30E+00	1.04E-04	-8.47E-05	-4.23E-04	-6.07E-03	-2.89E-05	2.30E-04	2.30E-06	-5.08E-04	-8.47E-04	-3.24E-04	-5.39E-05	-4.91E-04	-1.64E-05	-2.97E-01	-2.47E-03
235	372619	756588	Offsite Worker	1.94E+00	8.82E-05	2.22E-04	1.11E-03	1.82E-02	8.68E-05	1.88E-03	1.88E-05	1.33E-03	2.22E-03	8.65E-04	1.44E-04	1.29E-03	4.29E-05	7.93E-01	6.61E-03
236	372622	756509	Offsite Worker	6.67E-01	3.03E-05	-3.49E-04	-1.74E-03	-2.24E-02	-1.07E-04	-8.28E-04	-8.28E-06	-2.09E-03	-3.49E-03	-1.31E-03	-2.19E-04	-2.02E-03	-6.74E-05	-1.21E+00	-1.00E-02
237	372700	756511	Offsite Worker	6.83E-01	3.11E-05	-6.69E-04	-3.35E-03	-5.09E-02	-2.42E-04	-3.13E-03	-3.13E-05	-4.02E-03	-6.69E-03	-2.58E-03	-4.30E-04	-3.88E-03	-1.29E-04	-2.36E+00	-1.97E-02
238	372789	756510	Offsite Worker	3.04E-01	1.38E-05	-5.11E-04	-2.56E-03	-3.62E-02	-1.72E-04	-2.25E-03	-2.25E-05	-3.07E-03	-5.11E-03	-1.95E-03	-3.25E-04	-2.96E-03	-9.88E-05	-1.79E+00	-1.49E-02
239	372871	756509	Offsite Worker	-1.27E-01	-5.79E-06	-5.22E-04	-2.61E-03	-3.39E-02	-1.61E-04	-2.23E-03	-2.23E-05	-3.13E-03	-5.22E-03	-1.97E-03	-3.28E-04	-3.03E-03	-1.01E-04	-1.81E+00	-1.51E-02
240	372871	756437	Offsite Worker	-9.85E-01	-4.48E-05	-1.15E-03	-5.75E-03	-7.38E-02	-3.52E-04	-5.22E-03	-5.22E-05	-6.90E-03	-1.15E-02	-4.33E-03	-7.22E-04	-6.67E-03	-2.22E-04	-3.98E+00	-3.31E-02
241	372970	756437	Offsite Worker	-8.04E-01	-3.65E-05	-1.45E-03	-7.23E-03	-9.49E-02	-4.52E-04	-6.79E-03	-6.79E-05	-8.68E-03	-1.45E-02	-5.46E-03	-9.11E-04	-8.39E-03	-2.80E-04	-5.01E+00	-4.18E-02
242	373069	756437	Offsite Worker	-7.98E-01	-3.63E-05	-1.31E-03	-6.53E-03	-8.85E-02	-4.21E-04	-6.19E-03	-6.19E-05	-7.84E-03	-1.31E-02	-4.95E-03	-8.26E-04	-7.58E-03	-2.53E-04	-4.55E+00	-3.79E-02
243	373168	756437	Offsite Worker	-8.14E-01	-3.70E-05	-9.24E-04	-4.62E-03	-6.57E-02	-3.13E-04	-4.36E-03	-4.36E-05	-5.54E-03	-9.24E-03	-3.53E-03	-5.88E-04	-5.36E-03	-1.79E-04	-3.23E+00	-2.70E-02
244	373267	756437	Offsite Worker	-7.48E-01	-3.40E-05	-8.60E-04	-4.30E-03	-6.08E-02	-2.89E-04	-4.04E-03	-4.04E-05	-5.16E-03	-8.60E-03	-3.28E-03	-5.47E-04	-4.99E-03	-1.66E-04	-3.01E+00	-2.51E-02
245	373412	756437	Offsite Worker	-4.42E-01	-2.01E-05	-7.66E-04	-3.83E-03	-5.38E-02	-2.56E-04	-3.57E-03	-3.57E-05	-4.60E-03	-7.66E-03	-2.92E-03	-4.86E-04	-4.44E-03	-1.48E-04	-2.68E+00	-2.23E-02
246	373409	756339	Offsite Worker	-1.50E+00	-6.80E-05	-1.41E-03	-7.06E-03	-9.73E-02	-4.63E-04	-6.87E-03	-6.87E-05	-8.47E-03	-1.41E-02	-5.36E-03	-8.94E-04	-8.19E-03	-2.73E-04	-4.92E+00	-4.10E-02
247	373406	756240	Offsite Worker	-1.89E+00	-8.61E-05	-1.33E-03	-6.64E-03	-8.60E-02	-4.10E-04	-6.29E-03	-6.29E-05	-7.97E-03	-1.33E-02	-5.01E-03	-8.35E-04	-7.70E-03	-2.57E-04	-4.60E+00	-3.83E-02
248	373403	756142	Offsite Worker	-7.72E-01	-3.51E-05	-8.13E-04	-4.07E-03	-5.29E-02	-2.52E-04	-3.59E-03	-3.59E-05	-4.88E-03	-8.13E-03	-3.07E-03	-5.12E-04	-4.72E-03	-1.57E-04	-2.82E+00	-2.35E-02
249	373400	756042	Offsite Worker	-1.19E+00	-5.41E-05	-1.20E-03	-5.98E-03	-1.01E-01	-4.79E-04	-5.80E-03	-5.80E-05	-7.18E-03	-1.20E-02	-4.68E-03	-7.80E-04	-6.94E-03	-2.31E-04	-4.29E+00	-3.57E-02
250	373397	755944	Offsite Worker	-1.53E+00	-6.97E-05	-1.22E-03	-6.08E-03	-1.10E-01	-5.23E-04	-6.16E-03	-6.16E-05	-7.29E-03	-1.22E-02	-4.81E-03	-8.01E-04	-7.05E-03	-2.35E-04	-4.41E+00	-3.67E-02
251	373393	755846	Offsite Worker	-1.57E+00	-7.11E-05	-1.54E-03	-7.72E-03	-1.22E-01	-5.81E-04	-7.65E-03	-7.65E-05	-9.27E-03	-1.54E-02	-5.98E-03	-9.97E-04	-8.96E-03	-2.99E-04	-5.48E+00	-4.57E-02
252	373390	755747	Offsite Worker	-1.92E+00	-8.74E-05	-1.42E-03	-7.12E-03	-1.04E-01	-4.93E-04	-6.92E-03	-6.92E-05	-8.55E-03	-1.42E-02	-5.45E-03	-9.09E-04	-8.26E-03	-2.75E-04	-5.00E+00	-4.17E-02
253	373309	755744	Offsite Worker	-1.94E+00	-8.82E-05	-1.45E-03	-7.25E-03	-1.05E-01	-4.98E-04	-7.02E-03	-7.02E-05	-8.70E-03	-1.45E-02	-5.54E-03	-9.24E-04	-8.41E-03	-2.80E-04	-5.08E+00	-4.24E-02
254	373229	755743	Offsite Worker	-1.85E+00	-8.42E-05	-1.49E-03	-7.45E-03	-1.07E-01	-5.11E-04	-7.21E-03	-7.21E-05	-8.94E-03	-1.49E-02	-5.70E-03	-9.50E-04	-8.65E-03	-2.88E-04	-5.23E+00	-4.36E-02
255	373143	755741	Offsite Worker	-1.63E+00	-7.41E-05	-1.58E-03	-7.88E-03	-1.16E-01	-5.52E-04	-7.65E-03	-7.65E-05	-9.46E-03	-1.58E-02	-6.04E-03	-1.01E-03	-9.15E-03	-3.05E-04	-5.54E+00	-4.62E-02
256	373143	755823	Offsite Worker	-2.28E+00	-1.03E-04	-1.56E-03	-7.78E-03	-1.21E-01	-5.75E-04	-7.66E-03	-7.66E-05	-9.34E-03	-1.56E-02	-6.01E-03	-1.00E-03	-9.03E-03	-3.01E-04	-5.51E+00	-4.60E-02
257	373143	755906	Offsite Worker	-2.36E+00	-1.07E-04	-1.38E-03	-6.91E-03	-1.25E-01	-5.96E-04	-6.97E-03	-6.97E-05	-8.29E-03	-1.38E-02	-5.46E-03	-9.11E-04	-8.01E-03	-2.67E-04	-5.01E+00	-4.17E-02
258	373065	755906	Offsite Worker	-2.70E+00	-1.23E-04	-1.39E-03	-6.95E-03	-1.27E-01	-6.03E-04	-7.01E-03	-7.01E-05	-8.34E-03	-1.39E-02	-5.50E-03	-9.17E-04	-8.06E-03	-2.69E-04	-5.04E+00	-4.20E-02
259	373065	755827	Offsite Worker	-2.34E+00	-1.06E-04	-1.66E-03	-8.30E-03	-1.37E-01	-6.50E-04	-8.25E-03	-8.25E-05	-9.96E-03	-1.66E-02	-6.47E-03	-1.08E-03	-9.63E-03	-3.21E-04	-5.93E+00	-4.94E-02
260	373068	755733	Offsite Worker	-1.51E+00	-6.85E-05	-1.60E-03	-8.02E-03	-1.14E-01	-5.41E-04	-7.74E-03	-7.74E-05	-9.62E-03	-1.60E-02	-6.12E-03	-1.02E-03	-9.30E-03	-3.10E-04	-5.61E+00	-4.68E-02

Table 3-8B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 7, Horizon Year 2025 - Maximum Range
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m³)	xylene, total Acute Hazard	arsenic (µg/m³)	arsenic Acute Hazard	chlorine (µg/m³)	chlorine Acute Hazard	copper (µg/m³)	copper Acute Hazard	mercury (µg/m³)	mercury Acute Hazard	nickel (µg/m³)	nickel Acute Hazard	vanadium (µg/m³)	vanadium Acute Hazard	sulfates (µg/m³)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
261	373007	755733	Offsite Worker	-1.53E+00	-6.94E-05	-1.61E-03	-8.04E-03	-1.12E-01	-5.34E-04	-7.73E-03	-7.73E-05	-9.65E-03	-1.61E-02	-6.12E-03	-1.02E-03	-9.33E-03	-3.11E-04	-5.62E+00	-4.68E-02
262	372941	755733	Offsite Worker	-1.68E+00	-7.65E-05	-1.69E-03	-8.45E-03	-1.17E-01	-5.57E-04	-8.14E-03	-8.14E-05	-1.01E-02	-1.69E-02	-6.43E-03	-1.07E-03	-9.80E-03	-3.27E-04	-5.89E+00	-4.91E-02
263	372941	755636	Offsite Worker	-1.26E+00	-5.74E-05	-1.71E-03	-8.54E-03	-1.12E-01	-5.33E-04	-8.24E-03	-8.24E-05	-1.02E-02	-1.71E-02	-6.45E-03	-1.07E-03	-9.90E-03	-3.30E-04	-5.92E+00	-4.93E-02
264	372941	755539	Offsite Worker	-1.67E+00	-7.61E-05	-1.82E-03	-9.12E-03	-1.26E-01	-5.99E-04	-8.99E-03	-8.99E-05	-1.09E-02	-1.82E-02	-6.93E-03	-1.16E-03	-1.06E-02	-3.53E-04	-6.36E+00	-5.30E-02
265	372941	755442	Offsite Worker	-1.36E+00	-6.20E-05	-2.51E-03	-1.25E-02	-1.74E-01	-8.27E-04	-1.25E-02	-1.25E-04	-1.50E-02	-2.51E-02	-9.53E-03	-1.59E-03	-1.45E-02	-4.84E-04	-8.74E+00	-7.28E-02
266	372913	755342	Offsite Worker	-1.92E+00	-8.74E-05	-3.77E-03	-1.88E-02	-2.63E-01	-1.25E-03	-1.89E-02	-1.89E-04	-2.26E-02	-3.77E-02	-1.43E-02	-2.39E-03	-2.18E-02	-7.28E-04	-1.32E+01	-1.10E-01
267	372817	755346	Offsite Worker	-2.45E+00	-1.11E-04	-4.69E-03	-2.35E-02	-3.27E-01	-1.56E-03	-2.36E-02	-2.36E-04	-2.81E-02	-4.69E-02	-1.79E-02	-2.98E-03	-2.72E-02	-9.07E-04	-1.64E+01	-1.37E-01
268	372720	755349	Offsite Worker	-3.44E+00	-1.56E-04	-7.07E-03	-3.53E-02	-4.89E-01	-2.33E-03	-3.57E-02	-3.57E-04	-4.24E-02	-7.07E-02	-2.69E-02	-4.48E-03	-4.10E-02	-1.37E-03	-2.46E+01	-2.05E-01
269	372624	755352	Offsite Worker	-4.69E+00	-2.13E-04	-1.02E-02	-5.09E-02	-7.05E-01	-3.36E-03	-5.15E-02	-5.15E-04	-6.10E-02	-1.02E-01	-3.87E-02	-6.45E-03	-5.90E-02	-1.97E-03	-3.55E+01	-2.96E-01
270	372527	755349	Offsite Worker	-4.86E+00	-2.21E-04	-7.09E-03	-3.54E-02	-4.96E-01	-2.36E-03	-3.59E-02	-3.59E-04	-4.25E-02	-7.09E-02	-2.70E-02	-4.50E-03	-4.11E-02	-1.37E-03	-2.48E+01	-2.06E-01
271	372431	755353	Offsite Worker	-3.98E+00	-1.81E-04	-6.39E-03	-3.19E-02	-4.44E-01	-2.11E-03	-3.22E-02	-3.22E-04	-3.83E-02	-6.39E-02	-2.43E-02	-4.05E-03	-3.70E-02	-1.23E-03	-2.23E+01	-1.86E-01
272	372334	755356	Offsite Worker	-3.24E+00	-1.47E-04	-6.14E-03	-3.07E-02	-4.26E-01	-2.03E-03	-3.10E-02	-3.10E-04	-3.69E-02	-6.14E-02	-2.34E-02	-3.89E-03	-3.56E-02	-1.19E-03	-2.14E+01	-1.79E-01
273	372237	755359	Offsite Worker	-3.56E+00	-1.62E-04	-6.11E-03	-3.06E-02	-4.27E-01	-2.03E-03	-3.09E-02	-3.09E-04	-3.67E-02	-6.11E-02	-2.33E-02	-3.88E-03	-3.55E-02	-1.18E-03	-2.14E+01	-1.78E-01
274	372141	755362	Offsite Worker	-2.50E+00	-1.14E-04	-1.10E-02	-5.51E-02	-7.67E-01	-3.65E-03	-5.58E-02	-5.58E-04	-6.61E-02	-1.10E-01	-4.19E-02	-6.99E-03	-6.39E-02	-2.13E-03	-3.85E+01	-3.21E-01
275	372044	755366	Offsite Worker	-2.17E+00	-9.85E-05	-1.11E-02	-5.53E-02	-7.74E-01	-3.69E-03	-5.61E-02	-5.61E-04	-6.64E-02	-1.11E-01	-4.21E-02	-7.02E-03	-6.42E-02	-2.14E-03	-3.87E+01	-3.22E-01
276	371948	755369	Offsite Worker	-1.48E+00	-6.74E-05	-5.97E-03	-2.99E-02	-4.19E-01	-2.00E-03	-3.02E-02	-3.02E-04	-3.58E-02	-5.97E-02	-2.28E-02	-3.79E-03	-3.47E-02	-1.16E-03	-2.09E+01	-1.74E-01
277	371851	755372	Offsite Worker	-2.96E+00	-1.35E-04	-4.97E-03	-2.48E-02	-3.52E-01	-1.68E-03	-2.52E-02	-2.52E-04	-2.98E-02	-4.97E-02	-1.90E-02	-3.16E-03	-2.88E-02	-9.61E-04	-1.74E+01	-1.45E-01
278	371755	755375	Offsite Worker	-5.09E+00	-2.31E-04	-5.11E-03	-2.55E-02	-3.62E-01	-1.72E-03	-2.58E-02	-2.58E-04	-3.06E-02	-5.11E-02	-1.95E-02	-3.25E-03	-2.96E-02	-9.87E-04	-1.79E+01	-1.49E-01
279	371658	755378	Offsite Worker	-6.79E+00	-3.09E-04	-4.99E-03	-2.50E-02	-3.53E-01	-1.68E-03	-2.52E-02	-2.52E-04	-3.00E-02	-4.99E-02	-1.90E-02	-3.17E-03	-2.90E-02	-9.65E-04	-1.75E+01	-1.46E-01
280	371562	755382	Offsite Worker	-5.07E+00	-2.31E-04	-4.14E-03	-2.07E-02	-2.91E-01	-1.39E-03	-2.09E-02	-2.09E-04	-2.48E-02	-4.14E-02	-1.58E-02	-2.63E-03	-2.40E-02	-8.00E-04	-1.45E+01	-1.20E-01
281	371465	755385	Offsite Worker	-4.03E+00	-1.83E-04	-3.26E-03	-1.63E-02	-2.28E-01	-1.09E-03	-1.64E-02	-1.64E-04	-1.95E-02	-3.26E-02	-1.24E-02	-2.07E-03	-1.89E-02	-6.30E-04	-1.14E+01	-9.49E-02
282	371368	755388	Offsite Worker	-3.48E+00	-1.58E-04	-2.48E-03	-1.24E-02	-1.75E-01	-8.34E-04	-1.24E-02	-1.24E-04	-1.49E-02	-2.48E-02	-9.45E-03	-1.58E-03	-1.44E-02	-4.79E-04	-8.67E+00	-7.23E-02
283	371272	755391	Offsite Worker	-7.31E-02	-3.32E-06	-2.12E-03	-1.06E-02	-1.55E-01	-7.37E-04	-1.05E-02	-1.05E-04	-1.27E-02	-2.12E-02	-8.13E-03	-1.36E-03	-1.23E-02	-4.11E-04	-7.46E+00	-6.22E-02
284	371175	755395	Offsite Worker	-4.30E-02	-1.96E-06	-2.22E-03	-1.11E-02	-1.63E-01	-7.76E-04	-1.10E-02	-1.10E-04	-1.33E-02	-2.22E-02	-8.52E-03	-1.42E-03	-1.29E-02	-4.30E-04	-7.82E+00	-6.51E-02
285	371079	755398	Offsite Worker	-2.32E+00	-1.05E-04	-2.40E-03	-1.20E-02	-1.77E-01	-8.44E-04	-1.21E-02	-1.21E-04	-1.44E-02	-2.40E-02	-9.20E-03	-1.53E-03	-1.39E-02	-4.63E-04	-8.43E+00	-7.03E-02
286	371042	755478	Offsite Worker	-2.15E+00	-9.76E-05	-2.46E-03	-1.23E-02	-1.84E-01	-8.74E-04	-1.24E-02	-1.24E-04	-1.48E-02	-2.46E-02	-9.46E-03	-1.58E-03	-1.43E-02	-4.76E-04	-8.67E+00	-7.23E-02
287	371009	755538	Offsite Worker	-9.39E-01	-4.27E-05	-2.19E-03	-1.10E-02	-1.68E-01	-8.01E-04	-1.10E-02	-1.10E-04	-1.31E-02	-2.19E-02	-8.45E-03	-1.41E-03	-1.27E-02	-4.24E-04	-7.75E+00	-6.46E-02
288	370975	755597	Offsite Worker	-3.46E-01	-1.57E-05	-2.46E-03	-1.23E-02	-1.82E-01	-8.68E-04	-1.22E-02	-1.22E-04	-1.47E-02	-2.46E-02	-9.43E-03	-1.57E-03	-1.43E-02	-4.75E-04	-8.65E+00	-7.21E-02
289	370925	755597	Offsite Worker	-1.39E+00	-6.30E-05	-2.65E-03	-1.33E-02	-1.93E-01	-9.19E-04	-1.31E-02	-1.31E-04	-1.59E-02	-2.65E-02	-1.02E-02	-1.69E-03	-1.54E-02	-5.13E-04	-9.31E+00	-7.76E-02
290	370860	755547	Offsite Worker	-4.52E+00	-2.06E-04	-3.10E-03	-1.55E-02	-2.26E-01	-1.08E-03	-1.54E-02	-1.54E-04	-1.86E-02	-3.10E-02	-1.19E-02	-1.98E-03	-1.80E-02	-6.00E-04	-1.09E+01	-9.08E-02
291	370796	755497	Offsite Worker	-3.71E+00	-1.69E-04	-3.97E-03	-1.99E-02	-2.78E-01	-1.32E-03	-1.98E-02	-1.98E-04	-2.38E-02	-3.97E-02	-1.51E-02	-2.52E-03	-2.30E-02	-7.68E-04	-1.39E+01	-1.16E-01
292	370733	755428	Offsite Worker	-1.38E+00	-6.29E-05	-3.39E-03	-1.69E-02	-2.38E-01	-1.13E-03	-1.68E-02	-1.68E-04	-2.03E-02	-3.39E-02	-1.29E-02	-2.15E-03	-1.96E-02	-6.55E-04	-1.18E+01	-9.86E-02
293	370634	755428	Offsite Worker	-4.79E+00	-2.18E-04	-4.33E-03	-2.17E-02	-3.05E-01	-1.45E-03	-2.16E-02	-2.16E-04	-2.60E-02	-4.33E-02	-1.65E-02	-2.75E-03	-2.51E-02	-8.38E-04	-1.52E+01	-1.26E-01
294	370536	755428	Offsite Worker	4.11E-01	1.87E-05	-5.45E-03	-2.72E-02	-3.74E-01	-1.78E-03	-2.70E-02	-2.70E-04	-3.27E-02	-5.45E-02	-2.07E-02	-3.45E-03	-3.16E-02	-1.05E-03	-1.90E+01	-1.58E-01
295	370437	755428	Offsite Worker	-3.74E+00	-1.70E-04	-6.09E-03	-3.04E-02	-4.25E-01	-2.02E-03	-3.04E-02	-3.04E-04	-3.65E-02	-6.09E-02	-2.32E-02	-3.86E-03	-3.53E-02	-1.18E-03	-2.13E+01	-1.77E-01
296	370338	755427	Offsite Worker	-3.42E+00	-1.56E-04	-5.34E-03	-2.67E-02	-3.72E-01	-1.77E-03	-2.64E-02	-2.64E-04	-3.20E-02	-5.34E-02	-2.03E-02	-3.39E-03	-3.10E-02	-1.03E-03	-1.86E+01	-1.55E-01
307	369249	755442	Offsite Worker	-7.59E-01	-3.45E-05	-2.09E-03	-1.05E-02	-1.44E-01	-6.85E-04	-1.03E-02	-1.03E-04	-1.26E-02	-2.09E-02	-7.95E-03	-1.32E-03	-1.21E-02	-4.04E-04	-7.29E+00	-6.08E-02
308	369151	755442	Offsite Worker	-4.99E-01	-2.27E-05	-1.83E-03	-9.15E-03	-1.22E-01	-5.82E-04	-8.91E-03	-8.91E-05	-1.10E-02	-1.83E-02	-6.93E-03	-1.15E-03	-1.06E-02	-3.54E-04	-6.35E+00	-5.29E-02
309	369052	755442	Offsite Worker	-1.13E+00	-5.15E-05	-1.52E-03	-7.62E-03	-9.49E-02	-4.52E-04	-7.30E-03	-7.30E-05	-9.14E-03	-1.52E-02	-5.72E-03	-9.53E-04	-8.84E-03	-2.95E-04	-5.25E+00	-4.37E-02
320	368035	755402	Offsite Worker	-2.44E-01	-1.11E-05	-1.56E-03	-7.79E-03	-1.12E-01	-5.32E-04	-7.72E-03	-7.72E-05	-9.35E-03	-1.56E-02	-5.95E-03	-9.92E-04	-9.04E-03	-3.01E-04	-5.46E+00	-4.55E-02
321	367960	755389	Offsite Worker	-2.07E-01	-9.39E-06	-1.58E-03	-7.88E-03	-1.14E-01	-5.42E-04	-7.83E-03	-7.83E-05	-9.46E-03	-1.58E-02	-6.03E-03	-1.00E-03	-9.14E-03	-3.05E-04	-5.53E+00	-4.61E-02
322	367863	755390	Offsite Worker	-2.94E-03	-1.34E-07	-1.50E-03	-7.49E-03	-1.12E-01	-5.32E-04	-7.47E-03	-7.47E-05	-8.99E-03	-1.50E-02	-5.75E-03	-9.59E-04	-8.69E-03	-2.90E-04	-5.28E+00	-4.40E-02
323	367766	755392	Offsite Worker	2.89E-01	1.32E-05	-1.29E-03	-6.45E-03	-9.73E-02	-4.63E-04	-6.44E-03	-6.44E-05	-7.75E-03	-1.29E-02	-4.97E-03	-8.28E-04	-7.49E-03	-2.50E-04	-4.55E+00	-3.80E-02
324	367669	755393	Offsite Worker	-3.14E-01	-1.43E-05	-1.03E-03	-5.15E-03	-7.89E-02	-3.76E-04	-5.12E-03	-5.12E-05	-6.18E-03	-1.03E-02	-3.97E-03	-6.62E-04	-5.98E-03	-1.99E-04	-3.64E+00	-3.04E-02
325	367572	755394	Offsite Worker	-9.26E-01	-4.21E-05	-9.32E-04	-4.66E-03	-7.12E-02	-3.39E-04	-4.62E-03	-4.62E-05	-5.59E-03	-9.32E-03	-3.59E-03	-5.99E-04	-5.41E-03	-1.80E-04	-3.29E+00	-2.75E-02
326	367475	755395	Offsite Worker	-1.42E+00	-6.43E-05	-1.06E-03	-5.30E-03	-7.89E-02	-3.76E-04	-5.29E-03	-5.29E-05	-6.36E-03	-1.06E-02	-4.07E-03	-6.79E-04	-6.15E-03	-2.05E-04	-3.73E+00	-3.11E-02
327	370400	756850	On-Site Occupational	-9.82E+00	-4.46E-04	-3.73E-03	-1.86E-02	-2.35E-01	-1.12E-03	-1.82E-02	-1.82E-04	-2.24E-02	-3.73E-02	-1.40E-02	-2.34E-03	-2.16E-02	-7.21E-04	-1.29E+01	-1.07E-01
1	367379	755396	Recreational	-1.54E+00	-7.02E-05	-1.05E-03	-5.24E-03	-7.79E-02	-3.71E-04	-5.23E-03	-5.23E-05	-6.29E-03	-1.05E-02	-4.03E-03	-6.71E-04	-6.08E-03	-2.03E-04	-3.69E+00	-3.08E-02
2	367340	755485	Recreational	-9.05E-01	-4.12E-05	-8.62E-04	-4.31E-03	-6.49E-02	-3.09E-04	-4.26E-03	-4.26E-05	-5.17E-03	-8.62E-03	-3.32E-03	-5.53E-04	-5.00E-03	-1.67E-04	-3.04E+00	-2.53E-02
3	367301	755573	Recreational	-1.71E+00	-7.76E-05	-8.92E-04	-4.46E-03	-6.70E-02	-3.19E-04	-4.39E-03	-4.39E-05	-5.35E-03	-8.92E-03	-3.43E-03	-5.72E-04	-5.17E-03	-1.72E-04	-3.15E+00	-2.62E-02
4	367263	755661	Recreational	-2.06E+00	-9.38E-05	-1.10E-03	-5.51E-03	-8.21E-02	-3.91E-04	-5.44E-03	-5.44E-05	-6.61E-03	-1.10E-02	-4.23E-03	-7.05E-04	-6.39E-03	-2.13E-04	-3.88E+00	-3.23E-02
5	367224	755749	Recreational	-1.29E+00	-5.86E-05	-1.00E-03	-5.00E-03	-7.19E-02	-3.42E-04	-4.89E-03	-4.89E-05	-6.00E-03	-1.00E-02	-3.82E-03	-6.37E-04	-5.80E-03	-1.93E-04	-3.51E+00	-2.92E-02
6	367186	755838	Recreational	8.21E-02	3.73E-06	-7.11E-04	-3.56E-03	-4.99E-02	-2.37E-04	-3.32E-03	-3.32E-05	-4.27E-03	-7.11E-03	-2.71E-03	-4.52E-04	-4.12E-03	-1.37E-04	-2.48E+00	-2.07E-02
7	367147	755926	Recreational	5.56E-01	2.53E-05	-4.21E-04	-2.10E-03	-2.63E-02	-1.25E-04	-1.77E-03	-1.77E-05	-2.53E-03	-4.21E-03	-1.58E-03	-2.63E-04	-2.44E-03	-8.14E-05	-1.45E+00	-1.21E-02
8	367109	756014	Recreational	3.91E-01	1.78E-05	-6.87E-04	-3.43E-03	-4.68E-02	-2.23E-04	-3.15E-03	-3.15E-05	-4.12E-03	-6.87E-03	-2.61E-03	-4.34E-04	-3.98E-03	-1.33E-04	-2.39E+00	-1.99E-02
9	367070	756103	Recreational	1.24E+00	5.65E-05	-9.73E-04	-4.86E-03	-6.58E-02	-3.13E-04	-4.59E-03	-4.59E-05	-5.84E-03	-9.73E-03	-3.69E-03	-6.15E-04	-5.64E-03	-1.88E-04	-3.38E+00	-2.82E-02
10	367032	756191	Recreational	1.71E+00	7.79E-05	-7.66E-04	-3.83E-03	-4.76E-02	-2.27E-04	-3.47E-03	-3.47E-05	-4.60E-03	-7.66E-03	-2.88E-03	-4.79E-04	-4.45E-03	-1.48E-04	-2.64E+00	-2.20E-02
11	366993	756279	Recreational	1.45E+00	6.61E-05	-1.00E-03	-5.01E-03	-6.56E-02	-3.13E-04	-4.70E-03	-4.70E-05	-6.01E-03	-1.00E-02	-3.78E-03	-6.31E-04	-5.81E-03	-1.94E-04	-3.47E+00	-2.89E-02
12	366954	756367	Recreational	1.23E+00	5.58E-05	-1.04E-03	-5.22E-03	-6.97E-02	-3.32E-04	-4.95E-03	-4.95E-05	-6.26E-03	-1.04E-02	-3.95E-03	-6.58E-04	-6.05E-03	-2.02E-04	-3.62E+00	-3.02E-02
13	366916	756456	Recreational	1.03E+00	4.66E-05	-8.88E-04	-4.44E-03	-5.93E-02	-2.82E-04	-4.22E-03	-4.22E-05	-5.33E-03	-8.88E-03	-3.36E-03	-5.60E-04	-5.15E-03	-1.72E-04	-3.08E+00	-2.57E-02
14	366877	756544	Recreational	-4.04E-02	-1.84E-06	-7.72E-04	-3.86E-03	-5.17E-02	-2.46E-04	-3.66E-03	-3.66E-05	-4.63E-03	-7.72E-03	-2.92E-03	-4.87E-04	-4.48E-03	-1.49E-04	-2.68E+00	-2.24E-02
15	366839	756632	Recreational	-8.04E-01	-3.66E-05	-9.71E-04	-4.86E-03	-6.86E-02	-3.27E-04	-4.72E-03	-4.72E-05	-5.83E-03	-9.71E-03	-3.70E-03	-6.17E-04	-5.63E-03	-1.88E-04	-3.40E+00	-2.83E-02
16	366800	756720	Recreational	-8.67E-01	-3.94E-05	-8.35E-04	-4.18E-03	-5.83E-02	-2.78E-04	-4.01E-03	-4.01E-05	-5.01E-03	-8.35E-03	-3.18E-03	-5.30E-04	-4.84E-03	-1.61E-04	-2.92E+00	-2.43E-02
17	366762	756809	Recreational	-1.28E-01	-5.81E-06	-6.00E-04	-3.00E-03	-4.04E-02	-1.93E-04	-2.79E-03	-2.79E-05	-3.60E-03	-6.00E-03	-2.27E-03	-3.79E-04	-3.48E-03	-1.16E-04	-2.08E+00	-1.74E-02
18	366723	756897	Recreational	5.61E-01	2.55E-05	-6.90E-04	-3.45E-03	-4.46E-02	-2.12E-04	-3.20E-03	-3.20E-05	-4.14E-03	-6.90E-03	-2.60E-03	-4.34E-04	-4.00E-03	-1.33E-04	-2.39E+00	-1.99E-02

Table 3-8B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 7, Horizon Year 2025 - Maximum Range
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m³)	xylene, total Acute Hazard	arsenic (µg/m³)	arsenic Acute Hazard	chlorine (µg/m³)	chlorine Acute Hazard	copper (µg/m³)	copper Acute Hazard	mercury (µg/m³)	mercury Acute Hazard	nickel (µg/m³)	nickel Acute Hazard	vanadium (µg/m³)	vanadium Acute Hazard	sulfates (µg/m³)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
19	366685	756985	Recreational	3.08E-02	1.40E-06	-7.32E-04	-3.66E-03	-4.77E-02	-2.27E-04	-3.42E-03	-3.42E-05	-4.39E-03	-7.32E-03	-2.76E-03	-4.60E-04	-4.25E-03	-1.42E-04	-2.53E+00	-2.11E-02
20	366646	757074	Recreational	-6.48E-01	-2.95E-05	-7.93E-04	-3.96E-03	-5.47E-02	-2.61E-04	-3.77E-03	-3.77E-05	-4.76E-03	-7.93E-03	-3.01E-03	-5.02E-04	-4.60E-03	-1.53E-04	-2.76E+00	-2.30E-02
21	366607	757162	Recreational	-9.01E-01	-4.10E-05	-7.58E-04	-3.79E-03	-5.43E-02	-2.58E-04	-3.62E-03	-3.62E-05	-4.55E-03	-7.58E-03	-2.90E-03	-4.83E-04	-4.40E-03	-1.47E-04	-2.66E+00	-2.21E-02
22	366569	757250	Recreational	-8.17E-01	-3.71E-05	-8.65E-04	-4.33E-03	-5.77E-02	-2.75E-04	-4.14E-03	-4.14E-05	-5.19E-03	-8.65E-03	-3.27E-03	-5.46E-04	-5.02E-03	-1.67E-04	-3.00E+00	-2.50E-02
23	366530	757338	Recreational	-9.41E-01	-4.28E-05	-8.32E-04	-4.16E-03	-5.68E-02	-2.70E-04	-3.99E-03	-3.99E-05	-4.99E-03	-8.32E-03	-3.16E-03	-5.26E-04	-4.82E-03	-1.61E-04	-2.90E+00	-2.41E-02
24	366492	757427	Recreational	-7.47E-01	-3.39E-05	-7.38E-04	-3.69E-03	-5.01E-02	-2.39E-04	-3.54E-03	-3.54E-05	-4.43E-03	-7.38E-03	-2.80E-03	-4.67E-04	-4.28E-03	-1.43E-04	-2.57E+00	-2.14E-02
25	366453	757515	Recreational	-3.12E-01	-1.42E-05	-7.29E-04	-3.65E-03	-5.01E-02	-2.39E-04	-3.49E-03	-3.49E-05	-4.37E-03	-7.29E-03	-2.77E-03	-4.62E-04	-4.23E-03	-1.41E-04	-2.54E+00	-2.12E-02
26	366415	757603	Recreational	-6.19E-02	-2.81E-06	-7.37E-04	-3.69E-03	-5.10E-02	-2.43E-04	-3.50E-03	-3.50E-05	-4.42E-03	-7.37E-03	-2.80E-03	-4.67E-04	-4.28E-03	-1.43E-04	-2.57E+00	-2.14E-02
27	366376	757692	Recreational	5.28E-02	2.40E-06	-7.25E-04	-3.63E-03	-5.05E-02	-2.40E-04	-3.42E-03	-3.42E-05	-4.35E-03	-7.25E-03	-2.76E-03	-4.60E-04	-4.21E-03	-1.40E-04	-2.53E+00	-2.11E-02
84	369336	758100	Recreational	3.79E-01	1.72E-05	-1.59E-03	-7.96E-03	-1.08E-01	-5.14E-04	-7.62E-03	-7.62E-05	-9.55E-03	-1.59E-02	-6.04E-03	-1.01E-03	-9.23E-03	-3.08E-04	-5.54E+00	-4.61E-02
85	369269	758170	Recreational	1.15E+00	5.24E-05	-1.57E-03	-7.83E-03	-1.04E-01	-4.95E-04	-7.46E-03	-7.46E-05	-9.40E-03	-1.57E-02	-5.93E-03	-9.88E-04	-9.09E-03	-3.03E-04	-5.44E+00	-4.53E-02
86	369202	758239	Recreational	1.09E+00	4.98E-05	-1.61E-03	-8.04E-03	-1.07E-01	-5.11E-04	-7.73E-03	-7.73E-05	-9.65E-03	-1.61E-02	-6.09E-03	-1.01E-03	-9.33E-03	-3.11E-04	-5.59E+00	-4.65E-02
87	369264	758285	Recreational	8.28E-01	3.76E-05	-1.15E-03	-5.73E-03	-7.66E-02	-3.65E-04	-5.40E-03	-5.40E-05	-6.88E-03	-1.15E-02	-4.34E-03	-7.24E-04	-6.65E-03	-2.22E-04	-3.98E+00	-3.32E-02
88	369326	758330	Recreational	3.21E-01	1.46E-05	-1.52E-03	-7.58E-03	-1.04E-01	-4.97E-04	-7.37E-03	-7.37E-05	-9.09E-03	-1.52E-02	-5.76E-03	-9.60E-04	-8.79E-03	-2.93E-04	-5.28E+00	-4.40E-02
89	369389	758376	Recreational	-2.30E-02	-1.04E-06	-1.44E-03	-7.20E-03	-1.00E-01	-4.77E-04	-7.04E-03	-7.04E-05	-8.64E-03	-1.44E-02	-5.48E-03	-9.14E-04	-8.36E-03	-2.79E-04	-5.03E+00	-4.19E-02
90	369389	758462	Recreational	-2.41E-01	-1.09E-05	-1.29E-03	-6.43E-03	-8.96E-02	-4.27E-04	-6.26E-03	-6.26E-05	-7.71E-03	-1.29E-02	-4.89E-03	-8.16E-04	-7.46E-03	-2.49E-04	-4.49E+00	-3.74E-02
91	369389	758548	Recreational	-4.34E-01	-1.97E-05	-1.31E-03	-6.54E-03	-9.12E-02	-4.34E-04	-6.38E-03	-6.38E-05	-7.85E-03	-1.31E-02	-4.98E-03	-8.30E-04	-7.58E-03	-2.53E-04	-4.57E+00	-3.80E-02
28	366338	757780	Residential	2.55E-01	1.16E-05	-6.37E-04	-3.19E-03	-4.35E-02	-2.07E-04	-2.95E-03	-2.95E-05	-3.82E-03	-6.37E-03	-2.42E-03	-4.03E-04	-3.70E-03	-1.23E-04	-2.22E+00	-1.85E-02
29	366402	757746	Residential	2.27E-01	1.03E-05	-6.65E-04	-3.32E-03	-4.53E-02	-2.16E-04	-3.08E-03	-3.08E-05	-3.99E-03	-6.65E-03	-2.52E-03	-4.20E-04	-3.85E-03	-1.28E-04	-2.31E+00	-1.93E-02
30	366467	757713	Residential	1.99E-01	9.04E-06	-7.05E-04	-3.52E-03	-4.84E-02	-2.30E-04	-3.29E-03	-3.29E-05	-4.23E-03	-7.05E-03	-2.68E-03	-4.46E-04	-4.09E-03	-1.36E-04	-2.46E+00	-2.05E-02
31	366531	757679	Residential	1.59E-01	7.25E-06	-7.41E-04	-3.71E-03	-5.12E-02	-2.44E-04	-3.48E-03	-3.48E-05	-4.45E-03	-7.41E-03	-2.82E-03	-4.70E-04	-4.30E-03	-1.43E-04	-2.58E+00	-2.15E-02
32	366567	757773	Residential	5.17E-01	2.35E-05	-6.83E-04	-3.42E-03	-4.69E-02	-2.23E-04	-3.16E-03	-3.16E-05	-4.10E-03	-6.83E-03	-2.60E-03	-4.33E-04	-3.96E-03	-1.32E-04	-2.38E+00	-1.98E-02
33	366625	757758	Residential	5.51E-01	2.50E-05	-6.95E-04	-3.48E-03	-4.75E-02	-2.26E-04	-3.22E-03	-3.22E-05	-4.17E-03	-6.95E-03	-2.64E-03	-4.40E-04	-4.03E-03	-1.34E-04	-2.42E+00	-2.02E-02
34	366682	757744	Residential	5.85E-01	2.66E-05	-7.07E-04	-3.54E-03	-4.82E-02	-2.29E-04	-3.27E-03	-3.27E-05	-4.24E-03	-7.07E-03	-2.68E-03	-4.47E-04	-4.10E-03	-1.37E-04	-2.46E+00	-2.05E-02
35	366768	757788	Residential	3.38E-01	1.54E-05	-7.74E-04	-3.87E-03	-5.43E-02	-2.58E-04	-3.63E-03	-3.63E-05	-4.64E-03	-7.74E-03	-2.95E-03	-4.91E-04	-4.49E-03	-1.50E-04	-2.70E+00	-2.25E-02
36	366854	757833	Residential	-3.21E-01	-1.46E-05	-9.34E-04	-4.67E-03	-6.67E-02	-3.18E-04	-4.48E-03	-4.48E-05	-5.60E-03	-9.34E-03	-3.57E-03	-5.94E-04	-5.41E-03	-1.80E-04	-3.27E+00	-2.73E-02
37	366941	757877	Residential	-5.12E-01	-2.33E-05	-1.00E-03	-5.00E-03	-7.15E-02	-3.40E-04	-4.81E-03	-4.81E-05	-6.00E-03	-1.00E-02	-3.82E-03	-6.37E-04	-5.80E-03	-1.93E-04	-3.50E+00	-2.92E-02
38	367027	757922	Residential	-3.92E-01	-1.78E-05	-1.02E-03	-5.12E-03	-7.48E-02	-3.56E-04	-4.94E-03	-4.94E-05	-6.15E-03	-1.02E-02	-3.92E-03	-6.54E-04	-5.94E-03	-1.98E-04	-3.60E+00	-3.00E-02
39	367113	757966	Residential	3.26E-01	1.48E-05	-1.12E-03	-5.60E-03	-8.03E-02	-3.83E-04	-5.39E-03	-5.39E-05	-6.71E-03	-1.12E-02	-4.28E-03	-7.13E-04	-6.49E-03	-2.16E-04	-3.92E+00	-3.27E-02
40	367192	757916	Residential	2.21E-01	1.01E-05	-1.15E-03	-5.77E-03	-8.31E-02	-3.96E-04	-5.57E-03	-5.57E-05	-6.93E-03	-1.15E-02	-4.41E-03	-7.36E-04	-6.70E-03	-2.23E-04	-4.05E+00	-3.37E-02
41	367264	757916	Residential	4.46E-01	2.03E-05	-1.18E-03	-5.89E-03	-8.37E-02	-3.99E-04	-5.65E-03	-5.65E-05	-7.07E-03	-1.18E-02	-4.50E-03	-7.50E-04	-6.84E-03	-2.28E-04	-4.12E+00	-3.44E-02
42	367335	757916	Residential	6.82E-01	3.10E-05	-1.17E-03	-5.84E-03	-8.30E-02	-3.95E-04	-5.58E-03	-5.58E-05	-7.01E-03	-1.17E-02	-4.46E-03	-7.43E-04	-6.78E-03	-2.26E-04	-4.09E+00	-3.41E-02
43	367343	757966	Residential	1.14E+00	5.18E-05	-1.01E-03	-5.05E-03	-7.29E-02	-3.47E-04	-4.76E-03	-4.76E-05	-6.06E-03	-1.01E-02	-3.86E-03	-6.43E-04	-5.85E-03	-1.95E-04	-3.54E+00	-2.95E-02
44	367404	757995	Residential	1.34E+00	6.07E-05	-9.57E-04	-4.78E-03	-6.81E-02	-3.25E-04	-4.46E-03	-4.46E-05	-5.74E-03	-9.57E-03	-3.65E-03	-6.09E-04	-5.55E-03	-1.85E-04	-3.35E+00	-2.79E-02
45	367465	758024	Residential	1.02E+00	4.62E-05	-1.05E-03	-5.23E-03	-7.49E-02	-3.57E-04	-4.93E-03	-4.93E-05	-6.28E-03	-1.05E-02	-4.00E-03	-6.66E-04	-6.07E-03	-2.02E-04	-3.66E+00	-3.05E-02
55	367673	758189	Residential	-8.61E-01	-3.92E-05	-1.23E-03	-6.17E-03	-9.07E-02	-4.32E-04	-5.98E-03	-5.98E-05	-7.41E-03	-1.23E-02	-4.73E-03	-7.89E-04	-7.16E-03	-2.39E-04	-4.34E+00	-3.62E-02
59	367816	758096	Residential	-8.36E-01	-3.80E-05	-1.33E-03	-6.66E-03	-9.82E-02	-4.68E-04	-6.46E-03	-6.46E-05	-7.99E-03	-1.33E-02	-5.11E-03	-8.51E-04	-7.72E-03	-2.57E-04	-4.68E+00	-3.90E-02
60	367898	758066	Residential	-8.61E-01	-3.91E-05	-1.32E-03	-6.61E-03	-9.88E-02	-4.71E-04	-6.43E-03	-6.43E-05	-7.93E-03	-1.32E-02	-5.08E-03	-8.47E-04	-7.67E-03	-2.56E-04	-4.66E+00	-3.88E-02
61	367980	758035	Residential	-9.23E-01	-4.20E-05	-1.31E-03	-6.54E-03	-9.86E-02	-4.70E-04	-6.36E-03	-6.36E-05	-7.85E-03	-1.31E-02	-5.03E-03	-8.39E-04	-7.59E-03	-2.53E-04	-4.62E+00	-3.85E-02
62	368062	758005	Residential	-7.27E-01	-3.31E-05	-1.37E-03	-6.83E-03	-1.02E-01	-4.84E-04	-6.63E-03	-6.63E-05	-8.20E-03	-1.37E-02	-5.25E-03	-8.74E-04	-7.92E-03	-2.64E-04	-4.81E+00	-4.01E-02
63	368144	757975	Residential	-6.76E-01	-3.07E-05	-1.40E-03	-7.00E-03	-1.04E-01	-4.94E-04	-6.79E-03	-6.79E-05	-8.40E-03	-1.40E-02	-5.37E-03	-8.96E-04	-8.12E-03	-2.71E-04	-4.93E+00	-4.11E-02
64	368226	757945	Residential	-5.93E-01	-2.70E-05	-1.40E-03	-7.01E-03	-1.04E-01	-4.97E-04	-6.80E-03	-6.80E-05	-8.41E-03	-1.40E-02	-5.38E-03	-8.97E-04	-8.13E-03	-2.71E-04	-4.94E+00	-4.12E-02
65	368301	757943	Residential	-3.32E-01	-1.51E-05	-1.21E-03	-6.03E-03	-9.09E-02	-4.33E-04	-5.82E-03	-5.82E-05	-7.23E-03	-1.21E-02	-4.64E-03	-7.73E-04	-6.99E-03	-2.33E-04	-4.25E+00	-3.54E-02
66	368376	757941	Residential	-5.24E-02	-2.38E-06	-1.10E-03	-5.52E-03	-8.48E-02	-4.04E-04	-5.36E-03	-5.36E-05	-6.63E-03	-1.10E-02	-4.26E-03	-7.10E-04	-6.41E-03	-2.14E-04	-3.91E+00	-3.26E-02
67	368452	757940	Residential	4.16E-01	1.89E-05	-1.03E-03	-5.16E-03	-8.09E-02	-3.85E-04	-5.02E-03	-5.02E-05	-6.19E-03	-1.03E-02	-3.99E-03	-6.65E-04	-5.99E-03	-2.00E-04	-3.66E+00	-3.05E-02
68	368527	757938	Residential	-1.92E-01	-8.72E-06	-1.12E-03	-5.61E-03	-8.76E-02	-4.17E-04	-5.49E-03	-5.49E-05	-6.73E-03	-1.12E-02	-4.34E-03	-7.23E-04	-6.51E-03	-2.17E-04	-3.98E+00	-3.32E-02
69	368563	757880	Residential	1.60E-01	7.28E-06	-1.08E-03	-5.40E-03	-8.49E-02	-4.04E-04	-5.24E-03	-5.24E-05	-6.48E-03	-1.08E-02	-4.18E-03	-6.97E-04	-6.26E-03	-2.09E-04	-3.83E+00	-3.19E-02
70	368636	757926	Residential	-1.05E+00	-4.77E-05	-1.63E-03	-8.17E-03	-1.19E-01	-5.65E-04	-8.02E-03	-8.02E-05	-9.80E-03	-1.63E-02	-6.25E-03	-1.04E-03	-9.47E-03	-3.16E-04	-5.73E+00	-4.78E-02
71	368709	757971	Residential	-5.32E+00	-2.42E-04	-3.60E-03	-1.80E-02	-2.57E-01	-1.22E-03	-1.81E-02	-1.81E-04	-2.16E-02	-3.60E-02	-1.37E-02	-2.29E-03	-2.09E-02	-6.95E-04	-1.26E+01	-1.05E-01
72	368782	758017	Residential	-5.73E+00	-2.60E-04	-3.89E-03	-1.95E-02	-2.71E-01	-1.29E-03	-1.95E-02	-1.95E-04	-2.33E-02	-3.89E-02	-1.48E-02	-2.47E-03	-2.26E-02	-7.52E-04	-1.36E+01	-1.13E-01
73	368855	758062	Residential	-2.60E+00	-1.18E-04	-2.05E-03	-1.03E-02	-1.39E-01	-6.60E-04	-1.00E-02	-1.00E-04	-1.23E-02	-2.05E-02	-7.78E-03	-1.30E-03	-1.19E-02	-3.97E-04	-7.14E+00	-5.95E-02
74	368928	758108	Residential	-1.42E+00	-6.44E-05	-1.35E-03	-6.76E-03	-9.66E-02	-4.60E-04	-6.66E-03	-6.66E-05	-8.12E-03	-1.35E-02	-5.17E-03	-8.61E-04	-7.85E-03	-2.62E-04	-4.74E+00	-3.95E-02
75	369001	758153	Residential	-5.82E-01	-2.64E-05	-1.56E-03	-7.80E-03	-1.13E-01	-5.37E-04	-7.77E-03	-7.77E-05	-9.36E-03	-1.56E-02	-5.96E-03	-9.94E-04	-9.04E-03	-3.01E-04	-5.47E+00	-4.56E-02
76	369058	758074	Residential	-7.89E-01	-3.59E-05	-1.72E-03	-8.62E-03	-1.26E-01	-5.98E-04	-8.63E-03	-8.63E-05	-1.03E-02	-1.72E-02	-6.60E-03	-1.10E-03	-9.99E-03	-3.33E-04	-6.05E+00	-5.04E-02
77	369102	758103	Residential	-1.61E+00	-7.31E-05	-1.75E-03	-8.74E-03	-1.22E-01	-5.82E-04	-8.64E-03	-8.64E-05	-1.05E-02	-1.75E-02	-6.66E-03	-1.11E-03	-1.01E-02	-3.38E-04	-6.11E+00	-5.09E-02
78	369145	758132	Residential	-1.17E+00	-5.32E-05	-2.08E-03	-1.04E-02	-1.42E-01	-6.75E-04	-1.02E-02	-1.02E-04	-1.25E-02	-2.08E-02	-7.90E-03	-1.32E-03	-1.21E-02	-4.02E-04	-7.25E+00	-6.04E-02
79	369200	758065	Residential	-3.77E-01	-1.71E-05	-2.13E-03	-1.06E-02	-1.43E-01	-6.83E-04	-1.04E-02	-1.04E-04	-1.28E-02	-2.13E-02	-8.06E-03	-1.34E-03	-1.23E-02	-4.11E-04	-7.39E+00	-6.16E-02
80	369255	757998	Residential	6.70E-01	3.05E-05	-2.19E-03	-1.10E-02	-1.49E-01	-7.08E-04	-1.07E-02	-1.07E-04	-1.32E-02	-2.19E-02	-8.32E-03	-1.39E-03	-1.27E-02	-4.24E-04	-7.63E+00	-6.36E-02
81	369310	757931	Residential	3.46E-01	1.57E-05	-2.37E-03	-1.19E-02	-1.61E-01	-7.67E-04	-1.15E-02	-1.15E-04	-1.42E-02	-2.37E-02	-9.00E-03	-1.50E-03	-1.38E-02	-4.58E-04	-8.25E+00	-6.88E-02
82	369356	757981	Residential	2.80E-01	1.27E-05	-2.12E-03	-1.06E-02	-1.42E-01	-6.78E-04	-1.02E-02	-1.02E-04	-1.27E-02	-2.12E-02	-8.02E-03	-1.34E-03	-1.23E-02	-4.09E-04	-7.36E+00	-6.13E-02
83	369403	758031	Residential	8.21E-01	3.73E-05	-2.14E-03	-1.07E-02	-1.48E-01	-7.05E-04	-1.05E-02	-1.05E-04	-1.29E-02	-2.14E-02	-8.15E-03	-1.36E-03	-1.24E-02	-4.14E-04	-7.47E+00	-6.23E-02
92	369389	758634	Residential	-7.85E-01	-3.57E-05	-1.48E-03	-7.38E-03	-1.03E-01	-4.89E-04	-7.23E-03	-7.23E-05	-8.85E-03	-1.48E-02	-5.61E-03	-9.36E-04	-8.56E-03	-2.85E-04	-5.15E+00	-4.29E-02
93	369469	758630	Residential	-2.75E+00	-1.25E-04	-3.15E-03	-1.58E-02	-2.20E-01	-1.05E-03	-1.58E-02	-1.58E-04	-1.89E-02	-3.15E-02	-1.20E-02	-2.00E-03	-1.83E-02	-6.10E-04	-1.10E+01	-9.18E-02
94	369549	758625	Residential	-3.74E+00	-1.70E-04	-3.56E-03	-1.78E-02	-2.49E-01	-1.18E-03	-1.79E-02	-1.79E-04	-2.14E-02	-3.56E-02	-1.36E-02	-2.26E-03	-2.07E-02	-6.88E-04	-1.24E+01	-1.04E-01
95	369630	758621	Residential	-3.20E+00	-1.45E-04	-2.28E-03	-1.14E-02	-1.58E-01	-7.50E-04	-1.14E-02	-1.14E-04	-1.37E-02	-2.28E-02	-8.67E-03	-1.44E-03	-1.32E-02	-4.41E-04	-7.95E+00	-6.63E-02

Table 3-8B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 7, Horizon Year 2025 - Maximum Range
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m³)	xylene, total Acute Hazard	arsenic (µg/m³)	arsenic Acute Hazard	chlorine (µg/m³)	chlorine Acute Hazard	copper (µg/m³)	copper Acute Hazard	mercury (µg/m³)	mercury Acute Hazard	nickel (µg/m³)	nickel Acute Hazard	vanadium (µg/m³)	vanadium Acute Hazard	sulfates (µg/m³)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
96	369710	758617	Residential	-1.51E+00	-6.87E-05	-1.84E-03	-9.19E-03	-1.29E-01	-6.17E-04	-9.19E-03	-9.19E-05	-1.10E-02	-1.84E-02	-7.01E-03	-1.17E-03	-1.07E-02	-3.55E-04	-6.43E+00	-5.36E-02
97	369791	758613	Residential	-6.91E-01	-3.14E-05	-2.40E-03	-1.20E-02	-1.69E-01	-8.06E-04	-1.21E-02	-1.21E-04	-1.44E-02	-2.40E-02	-9.16E-03	-1.53E-03	-1.39E-02	-4.65E-04	-8.40E+00	-7.00E-02
98	369791	758514	Residential	-5.87E-01	-2.67E-05	-2.31E-03	-1.15E-02	-1.62E-01	-7.71E-04	-1.16E-02	-1.16E-04	-1.38E-02	-2.31E-02	-8.79E-03	-1.47E-03	-1.34E-02	-4.46E-04	-8.06E+00	-6.72E-02
99	369791	758416	Residential	-3.53E-01	-1.61E-05	-2.17E-03	-1.09E-02	-1.53E-01	-7.28E-04	-1.09E-02	-1.09E-04	-1.30E-02	-2.17E-02	-8.29E-03	-1.38E-03	-1.26E-02	-4.20E-04	-7.60E+00	-6.33E-02
100	369791	758318	Residential	-6.17E-01	-2.81E-05	-2.14E-03	-1.07E-02	-1.51E-01	-7.19E-04	-1.08E-02	-1.08E-04	-1.29E-02	-2.14E-02	-8.17E-03	-1.36E-03	-1.24E-02	-4.15E-04	-7.50E+00	-6.25E-02
101	369881	758318	Residential	-1.52E+00	-6.91E-05	-2.80E-03	-1.40E-02	-1.96E-01	-9.34E-04	-1.41E-02	-1.41E-04	-1.68E-02	-2.80E-02	-1.07E-02	-1.78E-03	-1.62E-02	-5.41E-04	-9.77E+00	-8.14E-02
102	369972	758318	Residential	-2.39E+00	-1.08E-04	-2.79E-03	-1.39E-02	-1.96E-01	-9.35E-04	-1.41E-02	-1.41E-04	-1.67E-02	-2.79E-02	-1.06E-02	-1.77E-03	-1.62E-02	-5.39E-04	-9.75E+00	-8.12E-02
103	370062	758318	Residential	-2.92E+00	-1.33E-04	-2.07E-03	-1.03E-02	-1.49E-01	-7.10E-04	-1.05E-02	-1.05E-04	-1.24E-02	-2.07E-02	-7.91E-03	-1.32E-03	-1.20E-02	-4.00E-04	-7.25E+00	-6.04E-02
104	370153	758318	Residential	-3.28E+00	-1.49E-04	-1.94E-03	-9.72E-03	-1.38E-01	-6.57E-04	-9.78E-03	-9.78E-05	-1.17E-02	-1.94E-02	-7.41E-03	-1.24E-03	-1.13E-02	-3.76E-04	-6.80E+00	-5.67E-02
105	370243	758318	Residential	-3.64E+00	-1.66E-04	-2.55E-03	-1.28E-02	-1.78E-01	-8.46E-04	-1.28E-02	-1.28E-04	-1.53E-02	-2.55E-02	-9.71E-03	-1.62E-03	-1.48E-02	-4.93E-04	-8.91E+00	-7.43E-02
111	370408	758347	Residential	-5.10E+00	-2.32E-04	-3.77E-03	-1.88E-02	-2.66E-01	-1.27E-03	-1.91E-02	-1.91E-04	-2.26E-02	-3.77E-02	-1.44E-02	-2.39E-03	-2.19E-02	-7.28E-04	-1.32E+01	-1.10E-01
112	370490	758344	Residential	-4.78E+00	-2.17E-04	-3.24E-03	-1.62E-02	-2.31E-01	-1.10E-03	-1.65E-02	-1.65E-04	-1.94E-02	-3.24E-02	-1.24E-02	-2.06E-03	-1.88E-02	-6.26E-04	-1.13E+01	-9.45E-02
113	370572	758341	Residential	-5.60E+00	-2.55E-04	-2.90E-03	-1.45E-02	-2.02E-01	-9.63E-04	-1.46E-02	-1.46E-04	-1.74E-02	-2.90E-02	-1.10E-02	-1.84E-03	-1.68E-02	-5.60E-04	-1.01E+01	-8.43E-02
114	370654	758338	Residential	-5.71E+00	-2.60E-04	-2.90E-03	-1.45E-02	-2.06E-01	-9.80E-04	-1.46E-02	-1.46E-04	-1.74E-02	-2.90E-02	-1.11E-02	-1.84E-03	-1.68E-02	-5.60E-04	-1.01E+01	-8.45E-02
115	370735	758335	Residential	-4.28E+00	-1.94E-04	-2.41E-03	-1.20E-02	-1.73E-01	-8.25E-04	-1.21E-02	-1.21E-04	-1.44E-02	-2.41E-02	-9.20E-03	-1.53E-03	-1.40E-02	-4.66E-04	-8.44E+00	-7.03E-02
116	370817	758333	Residential	-2.58E+00	-1.17E-04	-1.61E-03	-8.06E-03	-1.13E-01	-5.39E-04	-7.99E-03	-7.99E-05	-9.67E-03	-1.61E-02	-6.14E-03	-1.02E-03	-9.35E-03	-3.12E-04	-5.63E+00	-4.69E-02
130	371183	758027	Residential	-1.52E-01	-6.90E-06	-1.93E-03	-9.66E-03	-1.33E-01	-6.31E-04	-9.31E-03	-9.31E-05	-1.16E-02	-1.93E-02	-7.34E-03	-1.22E-03	-1.12E-02	-3.73E-04	-6.73E+00	-5.61E-02
131	371248	758024	Residential	-5.85E-01	-2.66E-05	-1.87E-03	-9.33E-03	-1.30E-01	-6.18E-04	-8.98E-03	-8.98E-05	-1.12E-02	-1.87E-02	-7.10E-03	-1.18E-03	-1.08E-02	-3.61E-04	-6.52E+00	-5.43E-02
132	371326	758075	Residential	-4.81E-01	-2.19E-05	-1.82E-03	-9.09E-03	-1.21E-01	-5.75E-04	-8.72E-03	-8.72E-05	-1.09E-02	-1.82E-02	-6.88E-03	-1.15E-03	-1.05E-02	-3.51E-04	-6.31E+00	-5.26E-02
133	371404	758127	Residential	-8.09E-02	-3.68E-06	-1.62E-03	-8.08E-03	-1.07E-01	-5.10E-04	-7.74E-03	-7.74E-05	-9.69E-03	-1.62E-02	-6.11E-03	-1.02E-03	-9.37E-03	-3.12E-04	-5.60E+00	-4.67E-02
134	371481	758178	Residential	4.51E-02	2.05E-06	-1.44E-03	-7.20E-03	-9.59E-02	-4.56E-04	-6.89E-03	-6.89E-05	-8.65E-03	-1.44E-02	-5.45E-03	-9.09E-04	-8.36E-03	-2.79E-04	-5.00E+00	-4.17E-02
135	371559	758230	Residential	2.03E-01	9.21E-06	-1.38E-03	-6.88E-03	-8.66E-02	-4.13E-04	-6.56E-03	-6.56E-05	-8.25E-03	-1.38E-02	-5.17E-03	-8.62E-04	-7.98E-03	-2.66E-04	-4.74E+00	-3.95E-02
136	371637	758281	Residential	3.63E-01	1.65E-05	-1.33E-03	-6.63E-03	-7.68E-02	-3.66E-04	-6.28E-03	-6.28E-05	-7.96E-03	-1.33E-02	-4.94E-03	-8.23E-04	-7.69E-03	-2.56E-04	-4.53E+00	-3.77E-02
137	371715	758333	Residential	4.79E-01	2.18E-05	-1.23E-03	-6.16E-03	-7.21E-02	-3.44E-04	-5.83E-03	-5.83E-05	-7.39E-03	-1.23E-02	-4.59E-03	-7.65E-04	-7.14E-03	-2.38E-04	-4.21E+00	-3.51E-02
138	371769	758261	Residential	1.05E+00	4.75E-05	-1.12E-03	-5.62E-03	-6.60E-02	-3.14E-04	-5.31E-03	-5.31E-05	-6.74E-03	-1.12E-02	-4.19E-03	-6.98E-04	-6.52E-03	-2.17E-04	-3.85E+00	-3.20E-02
139	371822	758189	Residential	-3.60E-01	-1.63E-05	-9.23E-04	-4.62E-03	-6.33E-02	-3.02E-04	-4.39E-03	-4.39E-05	-5.54E-03	-9.23E-03	-3.51E-03	-5.85E-04	-5.36E-03	-1.79E-04	-3.22E+00	-2.68E-02
140	371894	758160	Residential	-1.38E+00	-6.25E-05	-1.06E-03	-5.28E-03	-9.00E-02	-4.29E-04	-5.20E-03	-5.20E-05	-6.33E-03	-1.06E-02	-4.14E-03	-6.89E-04	-6.12E-03	-2.04E-04	-3.79E+00	-3.16E-02
141	371894	758081	Residential	-2.91E+00	-1.32E-04	-1.27E-03	-6.35E-03	-1.21E-01	-5.76E-04	-6.41E-03	-6.41E-05	-7.62E-03	-1.27E-02	-5.07E-03	-8.45E-04	-7.37E-03	-2.46E-04	-4.65E+00	-3.87E-02
142	371959	758074	Residential	-2.83E+00	-1.29E-04	-1.36E-03	-6.78E-03	-1.10E-01	-5.26E-04	-6.68E-03	-6.68E-05	-8.14E-03	-1.36E-02	-5.28E-03	-8.80E-04	-7.87E-03	-2.62E-04	-4.84E+00	-4.03E-02
155	372055	757363	Residential	-1.84E+00	-8.37E-05	-1.19E-03	-5.97E-03	-1.11E-01	-5.27E-04	-5.98E-03	-5.98E-05	-7.17E-03	-1.19E-02	-4.74E-03	-7.90E-04	-6.93E-03	-2.31E-04	-4.35E+00	-3.62E-02
297	370239	755427	Residential	1.46E+00	6.62E-05	-3.33E-03	-1.67E-02	-2.32E-01	-1.10E-03	-1.60E-02	-1.60E-04	-2.00E-02	-3.33E-02	-1.27E-02	-2.11E-03	-1.93E-02	-6.45E-04	-1.16E+01	-9.70E-02
298	370138	755427	Residential	3.32E+00	1.51E-04	-3.26E-03	-1.63E-02	-2.21E-01	-1.05E-03	-1.56E-02	-1.56E-04	-1.96E-02	-3.26E-02	-1.24E-02	-2.06E-03	-1.89E-02	-6.31E-04	-1.14E+01	-9.46E-02
299	370040	755427	Residential	-4.24E+00	-1.93E-04	-2.78E-03	-1.39E-02	-1.91E-01	-9.10E-04	-1.33E-02	-1.33E-04	-1.67E-02	-2.78E-02	-1.06E-02	-1.76E-03	-1.61E-02	-5.38E-04	-9.69E+00	-8.08E-02
300	369941	755426	Residential	-3.05E+00	-1.39E-04	-3.47E-03	-1.73E-02	-2.40E-01	-1.14E-03	-1.71E-02	-1.71E-04	-2.08E-02	-3.47E-02	-1.32E-02	-2.20E-03	-2.01E-02	-6.70E-04	-1.21E+01	-1.01E-01
301	369842	755426	Residential	-2.07E+00	-9.39E-05	-2.58E-03	-1.29E-02	-1.83E-01	-8.71E-04	-1.27E-02	-1.27E-04	-1.55E-02	-2.58E-02	-9.85E-03	-1.64E-03	-1.50E-02	-5.00E-04	-9.04E+00	-7.53E-02
304	369544	755434	Residential	-4.68E+00	-2.13E-04	-3.22E-03	-1.61E-02	-2.31E-01	-1.10E-03	-1.61E-02	-1.61E-04	-1.93E-02	-3.22E-02	-1.23E-02	-2.05E-03	-1.87E-02	-6.23E-04	-1.13E+01	-9.40E-02
305	369445	755434	Residential	-2.77E+00	-1.26E-04	-2.87E-03	-1.44E-02	-2.03E-01	-9.69E-04	-1.44E-02	-1.44E-04	-1.72E-02	-2.87E-02	-1.09E-02	-1.82E-03	-1.66E-02	-5.55E-04	-1.00E+01	-8.37E-02
306	369346	755434	Residential	-2.21E+00	-1.00E-04	-3.39E-03	-1.70E-02	-2.36E-01	-1.12E-03	-1.69E-02	-1.69E-04	-2.03E-02	-3.39E-02	-1.29E-02	-2.15E-03	-1.97E-02	-6.56E-04	-1.18E+01	-9.87E-02
310	368953	755441	Residential	-1.86E+00	-8.45E-05	-1.59E-03	-7.97E-03	-1.09E-01	-5.20E-04	-7.80E-03	-7.80E-05	-9.56E-03	-1.59E-02	-6.05E-03	-1.01E-03	-9.24E-03	-3.08E-04	-5.55E+00	-4.63E-02
311	368854	755441	Residential	-2.21E+00	-1.01E-04	-2.18E-03	-1.09E-02	-1.52E-01	-7.25E-04	-1.08E-02	-1.08E-04	-1.31E-02	-2.18E-02	-8.31E-03	-1.38E-03	-1.27E-02	-4.22E-04	-7.62E+00	-6.35E-02
312	368755	755441	Residential	-2.12E+00	-9.64E-05	-2.01E-03	-1.01E-02	-1.42E-01	-6.75E-04	-9.90E-03	-9.90E-05	-1.21E-02	-2.01E-02	-7.67E-03	-1.28E-03	-1.17E-02	-3.89E-04	-7.04E+00	-5.86E-02
313	368657	755441	Residential	-1.69E+00	-7.70E-05	-1.80E-03	-8.98E-03	-1.27E-01	-6.06E-04	-8.87E-03	-8.87E-05	-1.08E-02	-1.80E-02	-6.85E-03	-1.14E-03	-1.04E-02	-3.47E-04	-6.29E+00	-5.24E-02
314	368558	755440	Residential	-1.52E+00	-6.91E-05	-1.46E-03	-7.31E-03	-1.04E-01	-4.93E-04	-7.14E-03	-7.14E-05	-8.78E-03	-1.46E-02	-5.58E-03	-9.30E-04	-8.48E-03	-2.83E-04	-5.12E+00	-4.27E-02
315	368459	755440	Residential	-5.52E-01	-2.51E-05	-1.14E-03	-5.69E-03	-8.05E-02	-3.83E-04	-5.47E-03	-5.47E-05	-6.82E-03	-1.14E-02	-4.34E-03	-7.23E-04	-6.60E-03	-2.20E-04	-3.98E+00	-3.32E-02
316	368360	755440	Residential	-1.69E-01	-7.69E-06	-8.10E-04	-4.05E-03	-5.58E-02	-2.66E-04	-3.78E-03	-3.78E-05	-4.86E-03	-8.10E-03	-3.08E-03	-5.13E-04	-4.70E-03	-1.57E-04	-2.82E+00	-2.35E-02
317	368262	755439	Residential	-1.26E-01	-5.73E-06	-1.18E-03	-5.89E-03	-8.35E-02	-3.98E-04	-5.70E-03	-5.70E-05	-7.06E-03	-1.18E-02	-4.49E-03	-7.49E-04	-6.83E-03	-2.28E-04	-4.12E+00	-3.43E-02
318	368186	755427	Residential	-2.03E-01	-9.24E-06	-1.35E-03	-6.76E-03	-9.66E-02	-4.60E-04	-6.62E-03	-6.62E-05	-8.12E-03	-1.35E-02	-5.17E-03	-8.61E-04	-7.85E-03	-2.62E-04	-4.74E+00	-3.95E-02
319	368111	755414	Residential	-2.42E-01	-1.10E-05	-1.48E-03	-7.38E-03	-1.06E-01	-5.03E-04	-7.27E-03	-7.27E-05	-8.85E-03	-1.48E-02	-5.64E-03	-9.39E-04	-8.56E-03	-2.85E-04	-5.17E+00	-4.31E-02
46	367504	757948	School	1.44E+00	6.53E-05	-9.74E-04	-4.87E-03	-6.92E-02	-3.29E-04	-4.54E-03	-4.54E-05	-5.84E-03	-9.74E-03	-3.72E-03	-6.19E-04	-5.65E-03	-1.88E-04	-3.41E+00	-2.84E-02
47	367544	757873	School	1.05E+00	4.76E-05	-1.10E-03	-5.50E-03	-8.00E-02	-3.81E-04	-5.21E-03	-5.21E-05	-6.61E-03	-1.10E-02	-4.21E-03	-7.02E-04	-6.39E-03	-2.13E-04	-3.86E+00	-3.22E-02
48	367587	757909	School	1.48E+00	6.71E-05	-1.03E-03	-5.16E-03	-7.37E-02	-3.51E-04	-4.83E-03	-4.83E-05	-6.19E-03	-1.03E-02	-3.94E-03	-6.57E-04	-5.98E-03	-1.99E-04	-3.61E+00	-3.01E-02
49	367623	757866	School	1.24E+00	5.65E-05	-1.09E-03	-5.44E-03	-7.88E-02	-3.75E-04	-5.12E-03	-5.12E-05	-6.53E-03	-1.09E-02	-4.16E-03	-6.94E-04	-6.31E-03	-2.10E-04	-3.82E+00	-3.18E-02
50	367694	757866	School	1.45E+00	6.58E-05	-1.09E-03	-5.45E-03	-7.80E-02	-3.71E-04	-5.11E-03	-5.11E-05	-6.54E-03	-1.09E-02	-4.16E-03	-6.94E-04	-6.32E-03	-2.11E-04	-3.82E+00	-3.18E-02
51	367716	757927	School	8.35E-01	3.79E-05	-1.20E-03	-5.99E-03	-8.67E-02	-4.13E-04	-5.66E-03	-5.66E-05	-7.19E-03	-1.20E-02	-4.58E-03	-7.64E-04	-6.95E-03	-2.32E-04	-4.20E+00	-3.50E-02
52	367737	757988	School	-6.11E-02	-2.78E-06	-1.30E-03	-6.52E-03	-9.42E-02	-4.49E-04	-6.22E-03	-6.22E-05	-7.83E-03	-1.30E-02	-4.99E-03	-8.32E-04	-7.57E-03	-2.52E-04	-4.58E+00	-3.81E-02
53	367727	758067	School	-8.02E-01	-3.64E-05	-1.32E-03	-6.58E-03	-9.54E-02	-4.54E-04	-6.32E-03	-6.32E-05	-7.89E-03	-1.32E-02	-5.03E-03	-8.39E-04	-7.63E-03	-2.54E-04	-4.62E+00	-3.85E-02
54	367716	758146	School	-8.60E-01	-3.91E-05	-1.30E-03	-6.52E-03	-9.52E-02	-4.53E-04	-6.32E-03	-6.32E-05	-7.82E-03	-1.30E-02	-4.99E-03	-8.32E-04	-7.56E-03	-2.52E-04	-4.58E+00	-3.82E-02
56	367723	758254	School	-7.12E-01	-3.24E-05	-9.97E-04	-4.98E-03	-7.52E-02	-3.58E-04	-4.80E-03	-4.80E-05	-5.98E-03	-9.97E-03	-3.83E-03	-6.39E-04	-5.78E-03	-1.93E-04	-3.52E+00	-2.93E-02
57	367784	758221	School	-7.61E-01	-3.46E-05	-1.03E-03	-5.17E-03	-7.72E-02	-3.68E-04	-4.97E-03	-4.97E-05	-6.20E-03	-1.03E-02	-3.97E-03	-6.62E-04	-5.99E-03	-2.00E-04	-3.64E+00	-3.03E-02
58	367845	758189	School	-6.64E-01	-3.02E-05	-1.07E-03	-5.34E-03	-7.92E-02	-3.77E-04	-5.13E-03	-5.13E-05	-6.41E-03	-1.07E-02	-4.10E-03	-6.83E-04	-6.19E-03	-2.06E-04	-3.76E+00	-3.13E-02
106	370247	758254	School	-3.71E+00	-1.69E-04	-2.82E-03	-1.41E-02	-1.97E-01	-9.37E-04	-1.42E-02	-1.42E-04	-1.69E-02	-2.82E-02	-1.07E-02	-1.79E-03	-1.63E-02	-5.45E-04	-9.84E+00	-8.20E-02
107	370250	758189	School	-4.03E+00	-1.83E-04	-3.16E-03	-1.58E-02	-2.22E-01	-1.06E-03	-1.59E-02	-1.59E-04	-1.89E-02	-3.16E-02	-1.20E-02	-2.01E-03	-1.83E-02	-6.11E-04	-1.10E+01	-9.20E-02
108	370308	758196	School	-3.66E+00	-1.66E-04	-3.95E-03	-1.98E-02	-2.77E-01	-1.32E-03	-2.00E-02	-2.00E-04	-2.37E-02	-3.95E-02	-1.51E-02	-2.51E-03	-2.29E-02	-7.64E-04	-1.38E+01	-1.15E-01
109	370361	758236	School	-4.63E+00	-2.11E-04	-4.16E-03	-2.08E-02	-2.92E-01	-1.39E-03	-2.10E-02	-2.10E-04	-2.50E-02	-4.16E-02	-1.59E-02	-2.64E-03	-2.41E-02	-8.04E-04	-1.45E+01	-1.21E-01
110	370415	758275	School	-5.32E+00	-2.42E-04	-3.80E-03	-1.90E-02	-2.68E-01	-1.28E-03	-1.93E-02	-1.93E-04	-2.28E-02	-3.80E-02	-1.45E-02	-2.42E-03	-2.21E-02	-7.36E-04	-1.33E+01	-1.11E-01

Table 3-8B
Summary of Incremental Acute Hazard Indices for LAX Specific Plan Amendment Study
for Onsite Workers and Offsite Receptors - Alternative 7, Horizon Year 2025 - Maximum Range
Construction and Operation TAC Concentrations

Receptor Number	X	Y	Receptor Type	xylene, total (µg/m^3)	xylene, total Acute Hazard	arsenic (µg/m^3)	arsenic Acute Hazard	chlorine (µg/m^3)	chlorine Acute Hazard	copper (µg/m^3)	copper Acute Hazard	mercury (µg/m^3)	mercury Acute Hazard	nickel (µg/m^3)	nickel Acute Hazard	vanadium (µg/m^3)	vanadium Acute Hazard	sulfates (µg/m^3)	sulfates Acute Hazard
			CalEPA Acute REL		22000		0.2		210		100		0.6		6		30		120
302	369741	755435	School	-5.51E+00	-2.50E-04	-1.34E-03	-6.68E-03	-9.54E-02	-4.54E-04	-6.40E-03	-6.40E-05	-8.02E-03	-1.34E-02	-5.10E-03	-8.51E-04	-7.75E-03	-2.58E-04	-4.68E+00	-3.90E-02
303	369643	755434	School	-1.64E+00	-7.45E-05	-1.39E-03	-6.96E-03	-1.01E-01	-4.83E-04	-6.81E-03	-6.81E-05	-8.36E-03	-1.39E-02	-5.33E-03	-8.89E-04	-8.08E-03	-2.69E-04	-4.89E+00	-4.08E-02

Note: Shaded cells indicate locations where concentrations were highest within each land use category.

Attachment 4

Cancer Risk and Chronic Non-cancer Health Hazard Calculations for Adjusted Construction Emissions (RAGS Part F)

Table 4-1A
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 1, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	11 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	96360 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; IUR = Inhalation Unit Risk; SFi = Inhalation Slope Factor; REL = Reference Exposure Level; EC = Exposure Concentration; AT = Averaging Time (for cancer or r

	Toxicity Criteria					Cancer Risks			Hazard Quotients		
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Unit Risk $(ug/m^3)^{-1}$	CalEPA Inhalation Unit Risk $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	6.07E-02	2.20E-06	2.70E-06	9.00E+00	1.40E+02	1.35E-08	2.57E-09	2.47E-08	4.16E-04	7.92E-05	4.16E-04
Acrolein	3.49E-02	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	9.56E-02	1.82E-02	9.56E-02
Benzene	1.44E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	3.44E-08	6.54E-09	6.30E-08	2.30E-04	4.39E-05	2.30E-04
1,3-Butadiene	2.22E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	3.11E-07	5.92E-08	5.69E-07	1.07E-03	2.03E-04	1.07E-03
Ethylbenzene	-1.71E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-3.51E-10	-6.69E-11	-6.44E-10	-8.19E-07	-1.56E-07	-8.19E-07
Formaldehyde	1.72E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	8.47E-08	1.61E-08	1.55E-07	1.83E-02	3.49E-03	1.83E-02
Methyl alcohol	2.56E-02	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	6.14E-06	1.17E-06	6.14E-06
Methyl ethyl ketone	-7.22E-05	NA	NA	5.00E+03	NA	NC	NC	NC	-1.38E-08	-2.64E-09	-1.38E-08
Naphthalene	7.64E-03	3.40E-05	3.40E-05	3.00E+00	9.00E+00	2.13E-08	4.07E-09	3.91E-08	8.14E-04	1.55E-04	8.14E-04
Hexane, n-	-6.51E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	-8.92E-07	-1.70E-07	-8.92E-07
Phenol	1.05E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	5.04E-05	9.60E-06	5.04E-05
Propylene	5.32E-02	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	1.70E-05	3.24E-06	1.70E-05
Styrene	3.98E-03	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	4.24E-06	8.07E-07	4.24E-06
Toluene	-1.40E-02	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	-4.47E-05	-8.51E-06	-4.47E-05
Xylene (total)	-1.29E-02	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	-1.76E-05	-3.36E-06	-1.76E-05
Chlorine	-1.13E-04	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	-5.43E-04	-1.03E-04	-5.43E-04
Chromium (VI)	7.24E-07	1.20E-02	1.50E-01	1.00E-01	2.00E-01	8.93E-09	1.70E-09	1.64E-08	3.47E-06	6.61E-07	3.47E-06
Copper	2.13E-06	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC
Lead	6.47E-06	NA	1.20E-05	NA	NA	6.38E-12	1.22E-12	1.17E-11	NC	NC	NC
Manganese	2.72E-06	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	2.90E-05	5.52E-06	2.90E-05
Nickel	-8.09E-07	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-1.73E-11	-3.29E-12	-3.17E-11	-1.55E-05	-2.96E-06	-1.55E-05
Diesel PM	1.29E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	3.18E-06	6.05E-07	5.83E-06	2.47E-02	4.71E-03	2.47E-02
					TOTAL	**3.7E-06**	**7.0E-07**	**6.7E-06**	**0.14**	**0.027**	**0.14**

[1] Residential Maximum Grid No. **7**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 4-1B
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 1, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Residential Hazards[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	11 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	96360 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; IUR = Inhalation Unit Risk; SFi = Inhalation Slope Factor; REL = Reference Exposure Level; EC = Exposure Concentration; AT = Averaging Time (for cancer or no

		Toxicity Criteria					Cancer Risks			Hazard Quotients	
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfDi (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	2.54E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	5.64E-08	1.08E-08	1.03E-07	1.74E-03	3.32E-04	1.74E-03
Acrolein	1.45E-01	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	3.98E-01	7.59E-02	3.98E-01
Benzene	1.06E-01	7.80E-06	2.90E-05	3.00E+01	6.00E+01	2.53E-07	4.82E-08	4.64E-07	1.70E-03	3.23E-04	1.70E-03
1,3-Butadiene	1.02E-01	3.00E-05	1.70E-04	2.00E+00	2.00E+01	1.42E-06	2.71E-07	2.61E-06	4.88E-03	9.30E-04	4.88E-03
Ethylbenzene	1.15E-02	2.50E-06	2.50E-06	1.00E+03	2.00E+03	2.37E-09	4.51E-10	4.34E-09	5.52E-06	1.05E-06	5.52E-06
Formaldehyde	7.31E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	3.60E-07	6.86E-08	6.60E-07	7.78E-02	1.48E-02	7.78E-02
Methyl alcohol	1.07E-01	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	2.58E-05	4.91E-06	2.58E-05
Methyl ethyl ketone	1.17E-04	NA	NA	5.00E+03	NA	NC	NC	NC	2.24E-08	4.27E-09	2.24E-08
Naphthalene	3.23E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	9.03E-08	1.72E-08	1.65E-07	3.44E-03	6.55E-04	3.44E-03
Hexane, n-	-2.98E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	-4.08E-07	-7.76E-08	-4.08E-07
Phenol	4.33E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	2.07E-04	3.95E-05	2.07E-04
Propylene	2.68E-01	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	8.58E-05	1.63E-05	8.58E-05
Styrene	1.85E-02	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	1.98E-05	3.76E-06	1.98E-05
Toluene	3.97E-02	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	1.27E-04	2.42E-05	1.27E-04
Xylene (total)	3.08E-02	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	4.21E-05	8.03E-06	4.21E-05
Chlorine	-8.22E-05	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	-3.94E-04	-7.51E-05	-3.94E-04
Chromium (VI)	3.47E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	4.28E-08	8.16E-09	7.85E-08	1.67E-05	3.17E-06	1.67E-05
Copper	1.29E-05	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC
Lead	2.96E-05	NA	1.20E-05	NA	NA	2.92E-11	5.57E-12	5.36E-11	NC	NC	NC
Manganese	1.56E-05	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	1.66E-04	3.16E-05	1.66E-04
Nickel	-5.87E-07	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-1.25E-11	-2.39E-12	-2.30E-11	-1.13E-05	-2.14E-06	-1.13E-05
Diesel PM	-7.44E-02	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-1.83E-06	-3.49E-07	-3.36E-06	-1.43E-02	-2.72E-03	-1.43E-02
					TOTAL	**3.9E-07**	**7.5E-08**	**7.2E-07**	**0.47**	**0.090**	**0.47**

[1] Residential Maximum Grid No. **81**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 4-1C
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 1, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Commercial Cancer Risks[1])

Exposure Parameters	Adult Worker		RAGS F Equations		
Exposure Time	10	(hrs/day)	EC = (CA x ET x EF x ED) / (AT)		
Exposure Frequency	245	(days/year)	Risk = IUR x EC		
Exposure Duration	11	(years)	HQ = EC / REL		
Averaging Time (non-carcinogenic)	96360	(hrs)	Where:	BW = Body Weight	REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200	(hrs)		IUR = Inhalation Unit Risk	EC = Exposure Concentration
				SFi = Inhalation Slope Factor	AT = Averaging Time (for cancer or non-cancer)

TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Adult Worker	Hazard Quotient Adult Worker
			Toxicity Criteria			Cancer Risks	Hazard Quotients
Acetaldehyde	7.13E-02	2.20E-06	2.70E-06	9.00E+00	1.40E+02	8.46E-09	1.42E-04
Acrolein	4.11E-02	NA	NA	2.00E-02	3.50E-01	NC	3.28E-02
Benzene	1.28E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	1.63E-08	5.95E-05
1,3-Butadiene	2.53E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	1.89E-07	3.54E-04
Ethylbenzene	-3.64E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-4.00E-10	-5.10E-07
Formaldehyde	2.01E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	5.30E-08	6.24E-03
Methyl alcohol	3.01E-02	NA	NA	4.00E+03	4.00E+03	NC	2.10E-06
Methyl ethyl ketone	-1.26E-04	NA	NA	5.00E+03	NA	NC	-7.02E-09
Naphthalene	8.95E-03	3.40E-05	3.40E-05	3.00E+00	9.00E+00	1.34E-08	2.78E-04
Hexane, n-	-9.59E-03	NA	NA	7.00E+02	7.00E+03	NC	-3.83E-07
Phenol	1.24E-02	NA	NA	2.00E+02	2.00E+02	NC	1.74E-05
Propylene	5.87E-02	NA	NA	3.00E+03	3.00E+03	NC	5.47E-06
Styrene	4.51E-03	NA	NA	1.00E+03	9.00E+02	NC	1.40E-06
Toluene	-2.48E-02	NA	NA	5.00E+03	3.00E+02	NC	-2.32E-05
Xylene (total)	-2.25E-02	NA	NA	1.00E+02	7.00E+02	NC	-9.00E-06
Chlorine	-1.34E-04	NA	NA	1.50E-01	2.00E-01	NC	-1.87E-04
Chromium (VI)	8.46E-07	1.20E-02	1.50E-01	1.00E-01	2.00E-01	5.58E-09	1.18E-06
Copper	2.48E-06	NA	NA	NA	NA	NC	NC
Lead	7.56E-06	NA	1.20E-05	NA	NA	3.99E-12	NC
Manganese	3.17E-06	NA	NA	5.00E-02	9.00E-02	NC	9.84E-06
Nickel	-9.56E-07	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-1.09E-11	-5.35E-06
Diesel PM	-8.43E-02	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-1.11E-06	-4.71E-03
					TOTAL	**-8.3E-07**	**0.035**

[1] Commercial Maximum Grid No. **326** Note that this is not the same as the Peak Location of Commercial Hazards, Grid No. **236**

NA = Not Available **ug/m^3 = micrograms per cubic meter**

NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 4-1D
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 1, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Commercial Hazards[1])

Exposure Parameters	Adult Worker		RAGS F Equations		
Exposure Time	10	(hrs/day)	EC = (CA x ET x EF x ED) / (AT)		
Exposure Frequency	245	(days/year)	Risk = IUR x EC		
Exposure Duration	11	(years)	HQ = EC / REL		
Averaging Time (non-carcinogenic)	96360	(hrs)	Where:	BW = Body Weight	REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200	(hrs)		IUR = Inhalation Unit Risk	EC = Exposure Concentration
				SFi = Inhalation Slope Factor	AT = Averaging Time (for cancer or non-cancer)

TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Adult Worker	Hazard Quotient Adult Worker
			Toxicity Criteria			Cancer Risks	Hazard Quotients
Acetaldehyde	2.59E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	3.07E-08	5.17E-04
Acrolein	1.50E-01	NA	NA	2.00E-02	3.50E-01	NC	1.20E-01
Benzene	5.13E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	6.54E-08	2.39E-04
1,3-Butadiene	9.22E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	6.89E-07	1.29E-03
Ethylbenzene	-8.04E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-8.84E-10	-1.12E-06
Formaldehyde	7.39E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	1.95E-07	2.30E-02
Methyl alcohol	1.09E-01	NA	NA	4.00E+03	4.00E+03	NC	7.63E-06
Methyl ethyl ketone	-5.51E-04	NA	NA	5.00E+03	NA	NC	-3.08E-08
Naphthalene	3.24E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	4.84E-08	1.01E-03
Hexane, n-	-1.76E-02	NA	NA	7.00E+02	7.00E+03	NC	-7.04E-07
Phenol	4.46E-02	NA	NA	2.00E+02	2.00E+02	NC	6.24E-05
Propylene	2.36E-01	NA	NA	3.00E+03	3.00E+03	NC	2.20E-05
Styrene	1.68E-02	NA	NA	1.00E+03	9.00E+02	NC	5.22E-06
Toluene	-5.21E-02	NA	NA	5.00E+03	3.00E+02	NC	-4.86E-05
Xylene (total)	-5.55E-02	NA	NA	1.00E+02	7.00E+02	NC	-2.22E-05
Chlorine	-2.37E-04	NA	NA	1.50E-01	2.00E-01	NC	-3.31E-04
Chromium (VI)	5.37E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	3.54E-08	7.52E-06
Copper	1.93E-05	NA	NA	NA	NA	NC	NC
Lead	4.62E-05	NA	1.20E-05	NA	NA	2.44E-11	NC
Manganese	2.35E-05	NA	NA	5.00E-02	9.00E-02	NC	7.30E-05
Nickel	-1.69E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-1.93E-11	-9.47E-06
Diesel PM	-2.77E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-3.66E-06	-1.55E-02
					TOTAL	**-2.6E-06**	**0.13**

[1] Commercial Maximum Grid No. **236**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 4-2A
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 2, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	11 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	96360 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; IUR = Inhalation Unit Risk; SFi = Inhalation Slope Factor; REL = Reference Exposure Level; EC = Exposure Concentration; AT = Averaging Time (for cancer or non-cancer)

		Toxicity Criteria				Cancer Risks			Hazard Quotients		
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Unit Risk $(ug/m^3)^{-1}$	CalEPA Inhalation Unit Risk $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	1.70E-02	2.20E-06	2.70E-06	9.00E+00	1.40E+02	3.78E-09	7.20E-10	6.93E-09	1.17E-04	2.22E-05	1.17E-04
Acrolein	9.84E-03	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	2.70E-02	5.13E-03	2.70E-02
Benzene	2.84E-03	7.80E-06	2.90E-05	3.00E+01	6.00E+01	6.77E-09	1.29E-09	1.24E-08	4.54E-05	8.65E-06	4.54E-05
1,3-Butadiene	5.99E-03	3.00E-05	1.70E-04	2.00E+00	2.00E+01	8.37E-08	1.59E-08	1.53E-07	2.87E-04	5.47E-05	2.87E-04
Ethylbenzene	-8.77E-04	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-1.80E-10	-3.43E-11	-3.30E-10	-4.20E-07	-8.01E-08	-4.20E-07
Formaldehyde	4.82E-02	1.30E-05	6.00E-06	9.80E+00	9.00E+00	2.38E-08	4.52E-09	4.35E-08	5.13E-03	9.77E-04	5.13E-03
Methyl alcohol	7.19E-03	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	1.72E-06	3.28E-07	1.72E-06
Methyl ethyl ketone	-3.54E-05	NA	NA	5.00E+03	NA	NC	NC	NC	-6.79E-09	-1.29E-09	-6.79E-09
Naphthalene	2.13E-03	3.40E-05	3.40E-05	3.00E+00	9.00E+00	5.96E-09	1.14E-09	1.09E-08	2.27E-04	4.33E-05	2.27E-04
Hexane, n-	-2.04E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	-2.79E-07	-5.32E-08	-2.79E-07
Phenol	2.96E-03	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	1.42E-05	2.70E-06	1.42E-05
Propylene	1.43E-02	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	4.56E-06	8.69E-07	4.56E-06
Styrene	1.07E-03	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	1.14E-06	2.18E-07	1.14E-06
Toluene	-5.69E-03	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	-1.82E-05	-3.47E-06	-1.82E-05
Xylene (total)	-5.34E-03	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	-7.31E-06	-1.39E-06	-7.31E-06
Chlorine	-2.35E-05	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	-1.13E-04	-2.14E-05	-1.13E-04
Chromium (VI)	2.15E-07	1.20E-02	1.50E-01	1.00E-01	2.00E-01	2.65E-09	5.05E-10	4.86E-09	1.03E-06	1.96E-07	1.03E-06
Copper	6.92E-07	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC
Lead	1.89E-06	NA	1.20E-05	NA	NA	1.86E-12	3.55E-13	3.42E-12	NC	NC	NC
Manganese	8.64E-07	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	9.20E-06	1.75E-06	9.20E-06
Nickel	-1.68E-07	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-3.58E-12	-6.82E-13	-6.57E-12	-3.21E-06	-6.12E-07	-3.21E-06
Diesel PM	-3.27E-02	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-8.06E-07	-1.54E-07	-1.48E-06	-6.27E-03	-1.19E-03	-6.27E-03
					TOTAL	**-6.8E-07**	**-1.3E-07**	**-1.2E-06**	**0.026**	**0.0050**	**0.026**

[1] Residential Maximum Grid No. **28**

NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 4-2B
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 2, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Residential Hazards[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	11 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	96360 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where:
BW = Body Weight
IUR = Inhalation Unit Risk
SFi = Inhalation Slope Factor
REL = Reference Exposure Level
EC = Exposure Concentration
AT = Averaging Time (for cancer or n

	Toxicity Criteria					Cancer Risks			Hazard Quotients		
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfDi (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	1.79E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	3.96E-08	7.55E-09	7.26E-08	1.22E-03	2.33E-04	1.22E-03
Acrolein	1.02E-01	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	2.79E-01	5.32E-02	2.79E-01
Benzene	7.75E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	1.85E-07	3.52E-08	3.38E-07	1.24E-03	2.36E-04	1.24E-03
1,3-Butadiene	7.21E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	1.01E-06	1.92E-07	1.85E-06	3.46E-03	6.59E-04	3.46E-03
Ethylbenzene	8.78E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	1.80E-09	3.44E-10	3.31E-09	4.21E-06	8.02E-07	4.21E-06
Formaldehyde	5.12E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	2.53E-07	4.81E-08	4.63E-07	5.46E-02	1.04E-02	5.46E-02
Methyl alcohol	7.55E-02	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	1.81E-05	3.45E-06	1.81E-05
Methyl ethyl ketone	1.30E-04	NA	NA	5.00E+03	NA	NC	NC	NC	2.48E-08	4.73E-09	2.48E-08
Naphthalene	2.27E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	6.35E-08	1.21E-08	1.16E-07	2.42E-03	4.61E-04	2.42E-03
Hexane, n-	-2.75E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	-3.77E-07	-7.19E-08	-3.77E-07
Phenol	3.04E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	1.46E-04	2.77E-05	1.46E-04
Propylene	1.88E-01	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	6.02E-05	1.15E-05	6.02E-05
Styrene	1.31E-02	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	1.40E-05	2.66E-06	1.40E-05
Toluene	2.99E-02	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	9.55E-05	1.82E-05	9.55E-05
Xylene (total)	2.43E-02	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	3.33E-05	6.35E-06	3.33E-05
Chlorine	-8.22E-05	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	-3.94E-04	-7.51E-05	-3.94E-04
Chromium (VI)	2.52E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	3.11E-08	5.93E-09	5.71E-08	1.21E-05	2.31E-06	1.21E-05
Copper	9.24E-06	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC
Lead	2.16E-05	NA	1.20E-05	NA	NA	2.13E-11	4.06E-12	3.91E-11	NC	NC	NC
Manganese	1.12E-05	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	1.19E-04	2.27E-05	1.19E-04
Nickel	-5.87E-07	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-1.25E-11	-2.39E-12	-2.30E-11	-1.13E-05	-2.14E-06	-1.13E-05
Diesel PM	-1.11E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-2.73E-06	-5.20E-07	-5.00E-06	-2.12E-02	-4.04E-03	-2.12E-02
					TOTAL	**-1.1E-06**	**-2.2E-07**	**-2.1E-06**	**0.32**	**0.061**	**0.32**

[1] Residential Maximum Grid No. 81
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 4-2C
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 2, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Commercial Cancer Risks[1])

Exposure Parameters	Adult Worker		RAGS F Equations		
Exposure Time	10	(hrs/day)	EC = (CA x ET x EF x ED) / (AT)		
Exposure Frequency	245	(days/year)	Risk = IUR x EC		
Exposure Duration	11	(years)	HQ = EC / REL		
Averaging Time (non-carcinogenic)	96360	(hrs)	Where:	BW = Body Weight	REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200	(hrs)		IUR = Inhalation Unit Risk	EC = Exposure Concentration
				SFi = Inhalation Slope Factor	AT = Averaging Time (for cancer or non-cancer)

TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Adult Worker	Hazard Quotient Adult Worker
			Toxicity Criteria			Cancer Risks	Hazard Quotients
Acetaldehyde	1.71E-02	2.20E-06	2.70E-06	9.00E+00	1.40E+02	2.03E-09	3.41E-05
Acrolein	1.03E-02	NA	NA	2.00E-02	3.50E-01	NC	8.23E-03
Benzene	-1.20E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	-1.53E-08	-5.60E-05
1,3-Butadiene	3.05E-03	3.00E-05	1.70E-04	2.00E+00	2.00E+01	2.28E-08	4.26E-05
Ethylbenzene	-6.23E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-6.84E-10	-8.71E-07
Formaldehyde	4.67E-02	1.30E-05	6.00E-06	9.80E+00	9.00E+00	1.23E-08	1.45E-03
Methyl alcohol	7.16E-03	NA	NA	4.00E+03	4.00E+03	NC	5.01E-07
Methyl ethyl ketone	-2.02E-04	NA	NA	5.00E+03	NA	NC	-1.13E-08
Naphthalene	2.02E-03	3.40E-05	3.40E-05	3.00E+00	9.00E+00	3.02E-09	6.28E-05
Hexane, n-	-6.71E-03	NA	NA	7.00E+02	7.00E+03	NC	-2.68E-07
Phenol	3.14E-03	NA	NA	2.00E+02	2.00E+02	NC	4.40E-06
Propylene	3.59E-03	NA	NA	3.00E+03	3.00E+03	NC	3.35E-07
Styrene	5.18E-04	NA	NA	1.00E+03	9.00E+02	NC	1.61E-07
Toluene	-3.15E-02	NA	NA	5.00E+03	3.00E+02	NC	-2.93E-05
Xylene (total)	-2.90E-02	NA	NA	1.00E+02	7.00E+02	NC	-1.16E-05
Chlorine	-2.55E-04	NA	NA	1.50E-01	2.00E-01	NC	-3.56E-04
Chromium (VI)	3.29E-08	1.20E-02	1.50E-01	1.00E-01	2.00E-01	2.17E-10	4.60E-08
Copper	-1.34E-06	NA	NA	NA	NA	NC	NC
Lead	1.05E-06	NA	1.20E-05	NA	NA	5.53E-13	NC
Manganese	-1.25E-06	NA	NA	5.00E-02	9.00E-02	NC	-3.88E-06
Nickel	-1.82E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-2.08E-11	-1.02E-05
Diesel PM	-1.01E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-1.34E-06	-5.68E-03
					TOTAL	**-1.3E-06**	**0.0037**

[1] Commercial Maximum Grid No. **266** Note that this is not the same as the Peak Location of Commercial Hazards, Grid No. **236**

NA = Not Available **ug/m^3 = micrograms per cubic meter**

NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 4-2D
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 2, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Commercial Hazards[1])

Exposure Parameters	Adult Worker		RAGS F Equations		
Exposure Time	10	(hrs/day)	EC = (CA x ET x EF x ED) / (AT)		
Exposure Frequency	245	(days/year)	Risk = IUR x EC		
Exposure Duration	11	(years)	HQ = EC / REL		
Averaging Time (non-carcinogenic)	96360	(hrs)	Where:	BW = Body Weight	REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200	(hrs)		IUR = Inhalation Unit Risk	EC = Exposure Concentration
				SFi = Inhalation Slope Factor	AT = Averaging Time (for cancer or non-cancer)

		Toxicity Criteria				Cancer Risks	Hazard Quotients
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Adult Worker	Hazard Quotient Adult Worker
Acetaldehyde	2.29E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	2.72E-08	4.58E-04
Acrolein	1.33E-01	NA	NA	2.00E-02	3.50E-01	NC	1.06E-01
Benzene	4.03E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	5.13E-08	1.88E-04
1,3-Butadiene	8.07E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	6.03E-07	1.13E-03
Ethylbenzene	-9.05E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-9.94E-10	-1.27E-06
Formaldehyde	6.54E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	1.72E-07	2.03E-02
Methyl alcohol	9.67E-02	NA	NA	4.00E+03	4.00E+03	NC	6.76E-06
Methyl ethyl ketone	-5.44E-04	NA	NA	5.00E+03	NA	NC	-3.04E-08
Naphthalene	2.86E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	4.28E-08	8.90E-04
Hexane, n-	-1.75E-02	NA	NA	7.00E+02	7.00E+03	NC	-7.00E-07
Phenol	3.96E-02	NA	NA	2.00E+02	2.00E+02	NC	5.54E-05
Propylene	2.05E-01	NA	NA	3.00E+03	3.00E+03	NC	1.91E-05
Styrene	1.47E-02	NA	NA	1.00E+03	9.00E+02	NC	4.56E-06
Toluene	-5.56E-02	NA	NA	5.00E+03	3.00E+02	NC	-5.19E-05
Xylene (total)	-5.77E-02	NA	NA	1.00E+02	7.00E+02	NC	-2.31E-05
Chlorine	-2.37E-04	NA	NA	1.50E-01	2.00E-01	NC	-3.31E-04
Chromium (VI)	5.28E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	3.48E-08	7.38E-06
Copper	1.89E-05	NA	NA	NA	NA	NC	NC
Lead	4.54E-05	NA	1.20E-05	NA	NA	2.39E-11	NC
Manganese	2.30E-05	NA	NA	5.00E-02	9.00E-02	NC	7.16E-05
Nickel	-1.69E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-1.93E-11	-9.47E-06
Diesel PM	-2.80E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-3.69E-06	-1.57E-02
					TOTAL	**-2.8E-06**	**0.11**

[1] Commercial Maximum Grid No. **236**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 4-3A
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 3, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult	RAGS F Equations
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)	EC = (CA x ET x EF x ED) / (AT)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)	Risk = IUR x EC
Exposure Duration	6 (years)	6 (years)	11 (years)	HQ = EC / REL
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	96360 (hrs)	Where: BW = Body Weight; REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)	IUR = Inhalation Unit Risk; EC = Exposure Concentration
				SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or

	Toxicity Criteria					Cancer Risks			Hazard Quotients		
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Unit Risk $(ug/m^3)^{-1}$	CalEPA Inhalation Unit Risk $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	8.29E-02	2.20E-06	2.70E-06	9.00E+00	1.40E+02	1.84E-08	3.50E-09	3.37E-08	5.68E-04	1.08E-04	5.68E-04
Acrolein	4.76E-02	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	1.30E-01	2.48E-02	1.30E-01
Benzene	2.42E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	5.77E-08	1.10E-08	1.06E-07	3.87E-04	7.37E-05	3.87E-04
1,3-Butadiene	3.12E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	4.36E-07	8.30E-08	7.99E-07	1.50E-03	2.85E-04	1.50E-03
Ethylbenzene	-3.67E-04	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-7.54E-11	-1.44E-11	-1.38E-10	-1.76E-07	-3.35E-08	-1.76E-07
Formaldehyde	2.36E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	1.16E-07	2.22E-08	2.13E-07	2.51E-02	4.79E-03	2.51E-02
Methyl alcohol	3.50E-02	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	8.39E-06	1.60E-06	8.39E-06
Methyl ethyl ketone	-6.23E-05	NA	NA	5.00E+03	NA	NC	NC	NC	-1.19E-08	-2.28E-09	-1.19E-08
Naphthalene	1.05E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	2.92E-08	5.57E-09	5.36E-08	1.11E-03	2.12E-04	1.11E-03
Hexane, n-	-5.95E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	-8.15E-07	-1.55E-07	-8.15E-07
Phenol	1.43E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	6.84E-05	1.30E-05	6.84E-05
Propylene	7.78E-02	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	2.49E-05	4.74E-06	2.49E-05
Styrene	5.63E-03	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	5.99E-06	1.14E-06	5.99E-06
Toluene	-8.34E-03	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	-2.67E-05	-5.08E-06	-2.67E-05
Xylene (total)	-8.57E-03	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	-1.17E-05	-2.24E-06	-1.17E-05
Chlorine	1.49E-04	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	7.15E-04	1.36E-04	7.15E-04
Chromium (VI)	1.05E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	1.29E-08	2.46E-09	2.37E-08	5.02E-06	9.56E-07	5.02E-06
Copper	4.89E-06	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC
Lead	8.41E-06	NA	1.20E-05	NA	NA	8.29E-12	1.58E-12	1.52E-11	NC	NC	NC
Manganese	5.65E-06	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	6.02E-05	1.15E-05	6.02E-05
Nickel	1.06E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	2.28E-11	4.33E-12	4.17E-11	2.04E-05	3.89E-06	2.04E-05
Diesel PM	8.01E-02	3.00E-04	3.00E-04	5.00E+00	5.00E+00	1.98E-06	3.76E-07	3.62E-06	1.54E-02	2.93E-03	1.54E-02
					TOTAL	**2.6E-06**	**5.0E-07**	**4.9E-06**	**0.18**	**0.033**	**0.18**

[1] Residential Maximum Grid No. **7**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 4-3B
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 3, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Residential Hazards[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	11 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	96360 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; IUR = Inhalation Unit Risk; SFi = Inhalation Slope Factor; REL = Reference Exposure Level; EC = Exposure Concentration; AT = Averaging Time (for cancer or

	Toxicity Criteria					Cancer Risks			Hazard Quotients		
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfDi (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	2.29E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	5.08E-08	9.68E-09	9.32E-08	1.57E-03	2.99E-04	1.57E-03
Acrolein	1.31E-01	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	3.59E-01	6.84E-02	3.59E-01
Benzene	8.91E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	2.12E-07	4.05E-08	3.89E-07	1.42E-03	2.71E-04	1.42E-03
1,3-Butadiene	9.05E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	1.26E-06	2.41E-07	2.32E-06	4.34E-03	8.26E-04	4.34E-03
Ethylbenzene	7.92E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	1.63E-09	3.10E-10	2.99E-09	3.80E-06	7.24E-07	3.80E-06
Formaldehyde	6.57E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	3.24E-07	6.17E-08	5.94E-07	7.00E-02	1.33E-02	7.00E-02
Methyl alcohol	9.68E-02	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	2.32E-05	4.42E-06	2.32E-05
Methyl ethyl ketone	3.50E-05	NA	NA	5.00E+03	NA	NC	NC	NC	6.71E-09	1.28E-09	6.71E-09
Naphthalene	2.90E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	8.12E-08	1.55E-08	1.49E-07	3.09E-03	5.89E-04	3.09E-03
Hexane, n-	-5.11E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	-7.00E-07	-1.33E-07	-7.00E-07
Phenol	3.90E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	1.87E-04	3.57E-05	1.87E-04
Propylene	2.36E-01	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	7.56E-05	1.44E-05	7.56E-05
Styrene	1.65E-02	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	1.75E-05	3.34E-06	1.75E-05
Toluene	2.36E-02	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	7.56E-05	1.44E-05	7.56E-05
Xylene (total)	1.68E-02	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	2.30E-05	4.38E-06	2.30E-05
Chlorine	-3.17E-04	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	-1.52E-03	-2.89E-04	-1.52E-03
Chromium (VI)	2.60E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	3.21E-08	6.12E-09	5.89E-08	1.25E-05	2.38E-06	1.25E-05
Copper	8.19E-06	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC
Lead	2.30E-05	NA	1.20E-05	NA	NA	2.27E-11	4.32E-12	4.16E-11	NC	NC	NC
Manganese	1.03E-05	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	1.10E-04	2.09E-05	1.10E-04
Nickel	-2.26E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-4.84E-11	-9.21E-12	-8.86E-11	-4.34E-05	-8.27E-06	-4.34E-05
Diesel PM	-9.03E-02	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-2.23E-06	-4.24E-07	-4.08E-06	-1.73E-02	-3.30E-03	-1.73E-02
					TOTAL	**-2.6E-07**	**-5.0E-08**	**-4.8E-07**	**0.42**	**0.080**	**0.42**

[1] Residential Maximum Grid No. 81
NA = Not Available — **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated — **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 4-3C
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 3, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Commercial Cancer Risks[1])

Exposure Parameters	Adult Worker		RAGS F Equations		
Exposure Time	10	(hrs/day)	EC = (CA x ET x EF x ED) / (AT)		
Exposure Frequency	245	(days/year)	Risk = IUR x EC		
Exposure Duration	11	(years)	HQ = EC / REL		
Averaging Time (non-carcinogenic)	96360	(hrs)	Where:	BW = Body Weight	REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200	(hrs)		IUR = Inhalation Unit Risk	EC = Exposure Concentration
				SFi = Inhalation Slope Factor	AT = Averaging Time (for cancer or non-cancer)

TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Adult Worker	Hazard Quotient Adult Worker
			Toxicity Criteria			Cancer Risks	Hazard Quotients
Acetaldehyde	2.79E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	3.31E-08	5.58E-04
Acrolein	1.61E-01	NA	NA	2.00E-02	3.50E-01	NC	1.29E-01
Benzene	9.28E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	1.18E-07	4.33E-04
1,3-Butadiene	1.07E-01	3.00E-05	1.70E-04	2.00E+00	2.00E+01	7.96E-07	1.49E-03
Ethylbenzene	6.84E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	7.52E-10	9.57E-07
Formaldehyde	8.07E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	2.13E-07	2.51E-02
Methyl alcohol	1.18E-01	NA	NA	4.00E+03	4.00E+03	NC	8.24E-06
Methyl ethyl ketone	-2.64E-04	NA	NA	5.00E+03	NA	NC	-1.48E-08
Naphthalene	3.52E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	5.26E-08	1.09E-03
Hexane, n-	2.08E-03	NA	NA	7.00E+02	7.00E+03	NC	8.32E-08
Phenol	4.75E-02	NA	NA	2.00E+02	2.00E+02	NC	6.64E-05
Propylene	2.93E-01	NA	NA	3.00E+03	3.00E+03	NC	2.73E-05
Styrene	1.97E-02	NA	NA	1.00E+03	9.00E+02	NC	6.12E-06
Toluene	2.64E-02	NA	NA	5.00E+03	3.00E+02	NC	2.46E-05
Xylene (total)	1.08E-02	NA	NA	1.00E+02	7.00E+02	NC	4.31E-06
Chlorine	1.92E-03	NA	NA	1.50E-01	2.00E-01	NC	2.69E-03
Chromium (VI)	5.49E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	3.62E-08	7.67E-06
Copper	3.22E-05	NA	NA	NA	NA	NC	NC
Lead	4.06E-05	NA	1.20E-05	NA	NA	2.14E-11	NC
Manganese	3.59E-05	NA	NA	5.00E-02	9.00E-02	NC	1.12E-04
Nickel	1.37E-05	2.40E-04	2.60E-04	5.00E-02	5.00E-02	1.57E-10	7.68E-05
Diesel PM	3.24E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	4.28E-06	1.81E-02
					TOTAL	**5.5E-06**	**0.18**

[1] Commercial Maximum Grid No. **237** Note that this is not the same as the Peak Location of Commercial Hazards, Grid No. **236**

NA = Not Available **ug/m^3 = micrograms per cubic meter**

NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 4-3D
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 3, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Commercial Hazards[1])

Exposure Parameters	Adult Worker		RAGS F Equations		
Exposure Time	10	(hrs/day)	EC = (CA x ET x EF x ED) / (AT)		
Exposure Frequency	245	(days/year)	Risk = IUR x EC		
Exposure Duration	11	(years)	HQ = EC / REL		
Averaging Time (non-carcinogenic)	96360	(hrs)	Where:	BW = Body Weight	REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200	(hrs)		IUR = Inhalation Unit Risk	EC = Exposure Concentration
				SFi = Inhalation Slope Factor	AT = Averaging Time (for cancer or non-cancer)

		Toxicity Criteria				Cancer Risks	Hazard Quotients
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Adult Worker	Hazard Quotient Adult Worker
Acetaldehyde	3.57E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	4.24E-08	7.13E-04
Acrolein	2.05E-01	NA	NA	2.00E-02	3.50E-01	NC	1.64E-01
Benzene	1.26E-01	7.80E-06	2.90E-05	3.00E+01	6.00E+01	1.61E-07	5.89E-04
1,3-Butadiene	1.38E-01	3.00E-05	1.70E-04	2.00E+00	2.00E+01	1.03E-06	1.93E-03
Ethylbenzene	1.13E-02	2.50E-06	2.50E-06	1.00E+03	2.00E+03	1.24E-09	1.57E-06
Formaldehyde	1.03E+00	1.30E-05	6.00E-06	9.80E+00	9.00E+00	2.72E-07	3.21E-02
Methyl alcohol	1.51E-01	NA	NA	4.00E+03	4.00E+03	NC	1.05E-05
Methyl ethyl ketone	-2.35E-04	NA	NA	5.00E+03	NA	NC	-1.32E-08
Naphthalene	4.50E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	6.73E-08	1.40E-03
Hexane, n-	3.68E-03	NA	NA	7.00E+02	7.00E+03	NC	1.47E-07
Phenol	6.06E-02	NA	NA	2.00E+02	2.00E+02	NC	8.48E-05
Propylene	3.79E-01	NA	NA	3.00E+03	3.00E+03	NC	3.53E-05
Styrene	2.54E-02	NA	NA	1.00E+03	9.00E+02	NC	7.90E-06
Toluene	4.46E-02	NA	NA	5.00E+03	3.00E+02	NC	4.16E-05
Xylene (total)	2.46E-02	NA	NA	1.00E+02	7.00E+02	NC	9.82E-06
Chlorine	2.10E-03	NA	NA	1.50E-01	2.00E-01	NC	2.94E-03
Chromium (VI)	6.79E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	4.48E-08	9.50E-06
Copper	3.83E-05	NA	NA	NA	NA	NC	NC
Lead	5.11E-05	NA	1.20E-05	NA	NA	2.69E-11	NC
Manganese	4.29E-05	NA	NA	5.00E-02	9.00E-02	NC	1.33E-04
Nickel	1.50E-05	2.40E-04	2.60E-04	5.00E-02	5.00E-02	1.72E-10	8.40E-05
Diesel PM	1.46E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	1.93E-06	8.18E-03
					TOTAL	**3.5E-06**	**0.21**

[1] Commercial Maximum Grid No. **236**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 4-4A
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 4, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult	RAGS F Equations
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)	EC = (CA x ET x EF x ED) / (AT)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)	Risk = IUR x EC
Exposure Duration	6 (years)	6 (years)	11 (years)	HQ = EC / REL
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	96360 (hrs)	Where: BW = Body Weight; REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)	IUR = Inhalation Unit Risk; EC = Exposure Concentration
				SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-car

	Toxicity Criteria					Cancer Risks			Hazard Quotients		
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Unit Risk $(ug/m^3)^{-1}$	CalEPA Inhalation Unit Risk $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	1.63E-02	2.20E-06	2.70E-06	9.00E+00	1.40E+02	3.62E-09	6.90E-10	6.64E-09	1.12E-04	2.13E-05	1.12E-04
Acrolein	9.39E-03	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	2.57E-02	4.90E-03	2.57E-02
Benzene	3.66E-03	7.80E-06	2.90E-05	3.00E+01	6.00E+01	8.71E-09	1.66E-09	1.60E-08	5.84E-05	1.11E-05	5.84E-05
1,3-Butadiene	5.93E-03	3.00E-05	1.70E-04	2.00E+00	2.00E+01	8.29E-08	1.58E-08	1.52E-07	2.84E-04	5.42E-05	2.84E-04
Ethylbenzene	-5.29E-04	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-1.09E-10	-2.07E-11	-1.99E-10	-2.54E-07	-4.83E-08	-2.54E-07
Formaldehyde	4.62E-02	1.30E-05	6.00E-06	9.80E+00	9.00E+00	2.28E-08	4.34E-09	4.17E-08	4.92E-03	9.37E-04	4.92E-03
Methyl alcohol	6.89E-03	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	1.65E-06	3.15E-07	1.65E-06
Methyl ethyl ketone	-2.23E-05	NA	NA	5.00E+03	NA	NC	NC	NC	-4.28E-09	-8.15E-10	-4.28E-09
Naphthalene	2.05E-03	3.40E-05	3.40E-05	3.00E+00	9.00E+00	5.73E-09	1.09E-09	1.05E-08	2.19E-04	4.16E-05	2.19E-04
Hexane, n-	-1.78E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	-2.43E-07	-4.63E-08	-2.43E-07
Phenol	2.83E-03	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	1.36E-05	2.58E-06	1.36E-05
Propylene	1.42E-02	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	4.54E-06	8.64E-07	4.54E-06
Styrene	1.06E-03	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	1.13E-06	2.15E-07	1.13E-06
Toluene	-4.06E-03	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	-1.30E-05	-2.47E-06	-1.30E-05
Xylene (total)	-3.76E-03	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	-5.15E-06	-9.81E-07	-5.15E-06
Chlorine	-2.25E-05	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	-1.08E-04	-2.05E-05	-1.08E-04
Chromium (VI)	2.14E-07	1.20E-02	1.50E-01	1.00E-01	2.00E-01	2.64E-09	5.03E-10	4.84E-09	1.03E-06	1.96E-07	1.03E-06
Copper	6.94E-07	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC
Lead	1.88E-06	NA	1.20E-05	NA	NA	1.85E-12	3.53E-13	3.40E-12	NC	NC	NC
Manganese	8.65E-07	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	9.21E-06	1.75E-06	9.21E-06
Nickel	-1.61E-07	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-3.43E-12	-6.54E-13	-6.29E-12	-3.08E-06	-5.87E-07	-3.08E-06
Diesel PM	-3.43E-02	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-8.45E-07	-1.61E-07	-1.55E-06	-6.57E-03	-1.25E-03	-6.57E-03
					TOTAL	**-7.2E-07**	**-1.4E-07**	**-1.3E-06**	**0.025**	**0.0047**	**0.025**

[1] Residential Maximum Grid No. **28**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 4-4B
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 4, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Residential Hazards[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	11 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	96360 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where:
BW = Body Weight
IUR = Inhalation Unit Risk
SFi = Inhalation Slope Factor
REL = Reference Exposure Level
EC = Exposure Concentration
AT = Averaging Time (for cancer or no

	Toxicity Criteria					Cancer Risks				Hazard Quotients	
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfDi (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to 70-year Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient 70-year Resident
Acetaldehyde	1.92E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	4.26E-08	8.12E-09	7.81E-08	1.31E-03	2.50E-04	1.31E-03
Acrolein	1.11E-01	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	3.04E-01	5.79E-02	3.04E-01
Benzene	2.77E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	6.61E-08	1.26E-08	1.21E-07	4.43E-04	8.44E-05	4.43E-04
1,3-Butadiene	6.67E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	9.32E-07	1.78E-07	1.71E-06	3.20E-03	6.09E-04	3.20E-03
Ethylbenzene	-1.16E-02	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-2.39E-09	-4.55E-10	-4.38E-09	-5.58E-06	-1.06E-06	-5.58E-06
Formaldehyde	5.42E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	2.67E-07	5.09E-08	4.90E-07	5.77E-02	1.10E-02	5.77E-02
Methyl alcohol	8.10E-02	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	1.94E-05	3.70E-06	1.94E-05
Methyl ethyl ketone	-4.39E-04	NA	NA	5.00E+03	NA	NC	NC	NC	-8.41E-08	-1.60E-08	-8.41E-08
Naphthalene	2.40E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	6.71E-08	1.28E-08	1.23E-07	2.56E-03	4.87E-04	2.56E-03
Hexane, n-	-2.52E-02	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	-3.46E-06	-6.59E-07	-3.46E-06
Phenol	3.34E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	1.60E-04	3.05E-05	1.60E-04
Propylene	1.57E-01	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	5.01E-05	9.53E-06	5.01E-05
Styrene	1.19E-02	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	1.27E-05	2.42E-06	1.27E-05
Toluene	-7.34E-02	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	-2.35E-04	-4.47E-05	-2.35E-04
Xylene (total)	-6.81E-02	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	-9.33E-05	-1.78E-05	-9.33E-05
Chlorine	4.05E-04	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	1.94E-03	3.70E-04	1.94E-03
Chromium (VI)	3.37E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	4.16E-08	7.92E-09	7.62E-08	1.62E-05	3.08E-06	1.62E-05
Copper	1.53E-05	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC
Lead	2.73E-05	NA	1.20E-05	NA	NA	2.69E-11	5.13E-12	4.94E-11	NC	NC	NC
Manganese	1.78E-05	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	1.90E-04	3.61E-05	1.90E-04
Nickel	2.89E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	6.18E-11	1.18E-11	1.13E-10	5.55E-05	1.06E-05	5.55E-05
Diesel PM	-4.92E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-1.21E-05	-2.31E-06	-2.22E-05	-9.44E-02	-1.80E-02	-9.44E-02
					TOTAL	**-1.1E-05**	**-2.0E-06**	**-2.0E-05**	**0.28**	**0.053**	**0.28**

[1] Residential Maximum Grid No. 130
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 4-4C
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 4, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Commercial Cancer Risks[1])

Exposure Parameters	Adult Worker		RAGS F Equations		
Exposure Time	10	(hrs/day)	EC = (CA x ET x EF x ED) / (AT)		
Exposure Frequency	245	(days/year)	Risk = IUR x EC		
Exposure Duration	11	(years)	HQ = EC / REL		
Averaging Time (non-carcinogenic)	96360	(hrs)	Where:	BW = Body Weight	REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200	(hrs)		IUR = Inhalation Unit Risk	EC = Exposure Concentration
				SFi = Inhalation Slope Factor	AT = Averaging Time (for cancer or non-cancer)

TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Adult Worker	Hazard Quotient Adult Worker
			Toxicity Criteria			Cancer Risks	Hazard Quotients
Acetaldehyde	2.65E-02	2.20E-06	2.70E-06	9.00E+00	1.40E+02	3.14E-09	5.29E-05
Acrolein	1.56E-02	NA	NA	2.00E-02	3.50E-01	NC	1.25E-02
Benzene	-1.22E-03	7.80E-06	2.90E-05	3.00E+01	6.00E+01	-1.56E-09	-5.69E-06
1,3-Butadiene	8.06E-03	3.00E-05	1.70E-04	2.00E+00	2.00E+01	6.02E-08	1.13E-04
Ethylbenzene	-2.66E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-2.92E-10	-3.72E-07
Formaldehyde	7.64E-02	1.30E-05	6.00E-06	9.80E+00	9.00E+00	2.01E-08	2.37E-03
Methyl alcohol	1.12E-02	NA	NA	4.00E+03	4.00E+03	NC	7.80E-07
Methyl ethyl ketone	-1.51E-04	NA	NA	5.00E+03	NA	NC	-8.46E-09
Naphthalene	3.25E-03	3.40E-05	3.40E-05	3.00E+00	9.00E+00	4.85E-09	1.01E-04
Hexane, n-	-1.55E-03	NA	NA	7.00E+02	7.00E+03	NC	-6.20E-08
Phenol	4.60E-03	NA	NA	2.00E+02	2.00E+02	NC	6.43E-06
Propylene	2.23E-02	NA	NA	3.00E+03	3.00E+03	NC	2.08E-06
Styrene	1.51E-03	NA	NA	1.00E+03	9.00E+02	NC	4.70E-07
Toluene	-1.23E-02	NA	NA	5.00E+03	3.00E+02	NC	-1.14E-05
Xylene (total)	-1.33E-02	NA	NA	1.00E+02	7.00E+02	NC	-5.32E-06
Chlorine	2.24E-03	NA	NA	1.50E-01	2.00E-01	NC	3.14E-03
Chromium (VI)	9.51E-07	1.20E-02	1.50E-01	1.00E-01	2.00E-01	6.27E-09	1.33E-06
Copper	1.66E-05	NA	NA	NA	NA	NC	NC
Lead	1.27E-06	NA	1.20E-05	NA	NA	6.69E-13	NC
Manganese	1.67E-05	NA	NA	5.00E-02	9.00E-02	NC	5.20E-05
Nickel	1.60E-05	2.40E-04	2.60E-04	5.00E-02	5.00E-02	1.83E-10	8.97E-05
Diesel PM	-6.83E-02	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-9.00E-07	-3.82E-03
					TOTAL	**-8.1E-07**	**0.015**

[1] Commercial Maximum Grid No. **268** Note that this is not the same as the Peak Location of Commercial Hazards, Grid No. **236**

NA = Not Available **ug/m^3 = micrograms per cubic meter**

NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 4-4D
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 4, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Commercial Hazards[1])

Exposure Parameters	Adult Worker		RAGS F Equations		
Exposure Time	10	(hrs/day)	EC = (CA x ET x EF x ED) / (AT)		
Exposure Frequency	245	(days/year)	Risk = IUR x EC		
Exposure Duration	11	(years)	HQ = EC / REL		
Averaging Time (non-carcinogenic)	96360	(hrs)	Where:	BW = Body Weight	REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200	(hrs)		IUR = Inhalation Unit Risk	EC = Exposure Concentration
				SFi = Inhalation Slope Factor	AT = Averaging Time (for cancer or non-cancer)

TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risks: Cancer Risk to Adult Worker	Hazard Quotients: Hazard Quotient Adult Worker
Acetaldehyde	3.15E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	3.74E-08	6.29E-04
Acrolein	1.82E-01	NA	NA	2.00E-02	3.50E-01	NC	1.45E-01
Benzene	7.75E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	9.88E-08	3.61E-04
1,3-Butadiene	1.15E-01	3.00E-05	1.70E-04	2.00E+00	2.00E+01	8.61E-07	1.61E-03
Ethylbenzene	-4.35E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-4.78E-10	-6.09E-07
Formaldehyde	9.01E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	2.38E-07	2.80E-02
Methyl alcohol	1.33E-01	NA	NA	4.00E+03	4.00E+03	NC	9.30E-06
Methyl ethyl ketone	-5.01E-04	NA	NA	5.00E+03	NA	NC	-2.80E-08
Naphthalene	3.95E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	5.91E-08	1.23E-03
Hexane, n-	-1.67E-02	NA	NA	7.00E+02	7.00E+03	NC	-6.67E-07
Phenol	5.41E-02	NA	NA	2.00E+02	2.00E+02	NC	7.57E-05
Propylene	2.98E-01	NA	NA	3.00E+03	3.00E+03	NC	2.78E-05
Styrene	2.10E-02	NA	NA	1.00E+03	9.00E+02	NC	6.53E-06
Toluene	-3.72E-02	NA	NA	5.00E+03	3.00E+02	NC	-3.47E-05
Xylene (total)	-4.35E-02	NA	NA	1.00E+02	7.00E+02	NC	-1.74E-05
Chlorine	-1.85E-04	NA	NA	1.50E-01	2.00E-01	NC	-2.58E-04
Chromium (VI)	6.03E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	3.98E-08	8.44E-06
Copper	2.21E-05	NA	NA	NA	NA	NC	NC
Lead	5.16E-05	NA	1.20E-05	NA	NA	2.72E-11	NC
Manganese	2.68E-05	NA	NA	5.00E-02	9.00E-02	NC	8.34E-05
Nickel	-1.32E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-1.51E-11	-7.38E-06
Diesel PM	-2.79E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-3.67E-06	-1.56E-02
					TOTAL	**-2.3E-06**	**0.16**

[1] Commercial Maximum Grid No. **236**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 4-5A
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 5, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	11 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	96360 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; IUR = Inhalation Unit Risk; SFi = Inhalation Slope Factor; REL = Reference Exposure Level; EC = Exposure Concentration; AT = Averaging Time (for cancer or non-c

		Toxicity Criteria					Cancer Risks			Hazard Quotients	
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Unit Risk $(ug/m^3)^{-1}$	CalEPA Inhalation Unit Risk $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	6.09E-02	2.20E-06	2.70E-06	9.00E+00	1.40E+02	1.35E-08	2.57E-09	2.48E-08	4.17E-04	7.94E-05	4.17E-04
Acrolein	3.50E-02	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	9.59E-02	1.83E-02	9.59E-02
Benzene	1.45E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	3.45E-08	6.57E-09	6.32E-08	2.31E-04	4.40E-05	2.31E-04
1,3-Butadiene	2.23E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	3.12E-07	5.93E-08	5.71E-07	1.07E-03	2.04E-04	1.07E-03
Ethylbenzene	-1.71E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-3.52E-10	-6.70E-11	-6.44E-10	-8.20E-07	-1.56E-07	-8.20E-07
Formaldehyde	1.72E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	8.49E-08	1.62E-08	1.56E-07	1.83E-02	3.50E-03	1.83E-02
Methyl alcohol	2.57E-02	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	6.16E-06	1.17E-06	6.16E-06
Methyl ethyl ketone	-7.24E-05	NA	NA	5.00E+03	NA	NC	NC	NC	-1.39E-08	-2.64E-09	-1.39E-08
Naphthalene	7.66E-03	3.40E-05	3.40E-05	3.00E+00	9.00E+00	2.14E-08	4.08E-09	3.93E-08	8.16E-04	1.55E-04	8.16E-04
Hexane, n-	-6.53E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	-8.94E-07	-1.70E-07	-8.94E-07
Phenol	1.05E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	5.05E-05	9.62E-06	5.05E-05
Propylene	5.34E-02	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	1.71E-05	3.25E-06	1.71E-05
Styrene	3.99E-03	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	4.25E-06	8.09E-07	4.25E-06
Toluene	-1.40E-02	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	-4.48E-05	-8.52E-06	-4.48E-05
Xylene (total)	-1.29E-02	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	-1.77E-05	-3.37E-06	-1.77E-05
Chlorine	-1.13E-04	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	-5.43E-04	-1.03E-04	-5.43E-04
Chromium (VI)	7.27E-07	1.20E-02	1.50E-01	1.00E-01	2.00E-01	8.96E-09	1.71E-09	1.64E-08	3.48E-06	6.64E-07	3.48E-06
Copper	2.14E-06	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC
Lead	6.49E-06	NA	1.20E-05	NA	NA	6.40E-12	1.22E-12	1.17E-11	NC	NC	NC
Manganese	2.73E-06	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	2.91E-05	5.54E-06	2.91E-05
Nickel	-8.09E-07	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-1.73E-11	-3.29E-12	-3.17E-11	-1.55E-05	-2.96E-06	-1.55E-05
Diesel PM	1.62E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	4.00E-06	7.63E-07	7.34E-06	3.11E-02	5.93E-03	3.11E-02
					TOTAL	**4.5E-06**	**8.5E-07**	**8.2E-06**	**0.15**	**0.028**	**0.15**

[1] Residential Maximum Grid No. **7**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 4-5B
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 5, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Residential Hazards[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	11 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	96360 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; IUR = Inhalation Unit Risk; SFi = Inhalation Slope Factor; REL = Reference Exposure Level; EC = Exposure Concentration; AT = Averaging Time (for cancer or non-c

	Toxicity Criteria					Cancer Risks				Hazard Quotients	
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfDi (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	2.64E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	5.87E-08	1.12E-08	1.08E-07	1.81E-03	3.45E-04	1.81E-03
Acrolein	1.51E-01	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	4.14E-01	7.89E-02	4.14E-01
Benzene	1.10E-01	7.80E-06	2.90E-05	3.00E+01	6.00E+01	2.63E-07	5.00E-08	4.82E-07	1.76E-03	3.36E-04	1.76E-03
1,3-Butadiene	1.06E-01	3.00E-05	1.70E-04	2.00E+00	2.00E+01	1.48E-06	2.82E-07	2.71E-06	5.08E-03	9.67E-04	5.08E-03
Ethylbenzene	1.19E-02	2.50E-06	2.50E-06	1.00E+03	2.00E+03	2.45E-09	4.67E-10	4.49E-09	5.72E-06	1.09E-06	5.72E-06
Formaldehyde	7.60E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	3.75E-07	7.14E-08	6.87E-07	8.10E-02	1.54E-02	8.10E-02
Methyl alcohol	1.12E-01	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	2.68E-05	5.10E-06	2.68E-05
Methyl ethyl ketone	1.17E-04	NA	NA	5.00E+03	NA	NC	NC	NC	2.24E-08	4.27E-09	2.24E-08
Naphthalene	3.36E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	9.38E-08	1.79E-08	1.72E-07	3.58E-03	6.82E-04	3.58E-03
Hexane, n-	-2.99E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	-4.10E-07	-7.80E-08	-4.10E-07
Phenol	4.50E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	2.16E-04	4.11E-05	2.16E-04
Propylene	2.79E-01	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	8.92E-05	1.70E-05	8.92E-05
Styrene	1.93E-02	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	2.05E-05	3.91E-06	2.05E-05
Toluene	4.11E-02	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	1.32E-04	2.51E-05	1.32E-04
Xylene (total)	3.18E-02	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	4.35E-05	8.29E-06	4.35E-05
Chlorine	-8.22E-05	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	-3.94E-04	-7.51E-05	-3.94E-04
Chromium (VI)	3.62E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	4.46E-08	8.49E-09	8.18E-08	1.73E-05	3.30E-06	1.73E-05
Copper	1.34E-05	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC
Lead	3.09E-05	NA	1.20E-05	NA	NA	3.04E-11	5.80E-12	5.58E-11	NC	NC	NC
Manganese	1.62E-05	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	1.73E-04	3.30E-05	1.73E-04
Nickel	-5.87E-07	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-1.25E-11	-2.39E-12	-2.30E-11	-1.13E-05	-2.14E-06	-1.13E-05
Diesel PM	-6.77E-02	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-1.67E-06	-3.18E-07	-3.06E-06	-1.30E-02	-2.47E-03	-1.30E-02
					TOTAL	**6.5E-07**	**1.2E-07**	**1.2E-06**	**0.49**	**0.094**	**0.49**

[1] Residential Maximum Grid No. **81**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 4-5C
GS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 5, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Ra
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Commercial Cancer Risks[1])

Exposure Parameters	**Adult Worker**		**RAGS F Equations**		
Exposure Time	10	(hrs/day)	EC = (CA x ET x EF x ED) / (AT)		
Exposure Frequency	245	(days/year)	Risk = IUR x EC		
Exposure Duration	11	(years)	HQ = EC / REL		
Averaging Time (non-carcinogenic)	96360	(hrs)	Where:	BW = Body Weight	REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200	(hrs)		IUR = Inhalation Unit Risk	EC = Exposure Concentration
				SFi = Inhalation Slope Factor	AT = Averaging Time (for cancer or non-cancer)

		Toxicity Criteria				**Cancer Risks**	**Hazard Quotients**
TAC	**Concentration at Location w/Maximum Risk (ug/m^3)**	**EPA Inhalation Slope Factor $(ug/m^3)^{-1}$**	**CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$**	**EPA RfC (ug/m^3)**	**CalEPA Proposed REL (ug/m^3)**	**Cancer Risk to Adult Worker**	**Hazard Quotient Adult Worker**
Acetaldehyde	7.13E-02	2.20E-06	2.70E-06	9.00E+00	1.40E+02	8.47E-09	1.43E-04
Acrolein	4.11E-02	NA	NA	2.00E-02	3.50E-01	NC	3.29E-02
Benzene	1.28E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	1.63E-08	5.95E-05
1,3-Butadiene	2.53E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	1.89E-07	3.54E-04
Ethylbenzene	-3.66E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-4.02E-10	-5.11E-07
Formaldehyde	2.01E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	5.30E-08	6.25E-03
Methyl alcohol	3.01E-02	NA	NA	4.00E+03	4.00E+03	NC	2.11E-06
Methyl ethyl ketone	-1.26E-04	NA	NA	5.00E+03	NA	NC	-7.03E-09
Naphthalene	8.95E-03	3.40E-05	3.40E-05	3.00E+00	9.00E+00	1.34E-08	2.78E-04
Hexane, n-	-9.61E-03	NA	NA	7.00E+02	7.00E+03	NC	-3.84E-07
Phenol	1.24E-02	NA	NA	2.00E+02	2.00E+02	NC	1.74E-05
Propylene	5.87E-02	NA	NA	3.00E+03	3.00E+03	NC	5.47E-06
Styrene	4.51E-03	NA	NA	1.00E+03	9.00E+02	NC	1.40E-06
Toluene	-2.49E-02	NA	NA	5.00E+03	3.00E+02	NC	-2.32E-05
Xylene (total)	-2.26E-02	NA	NA	1.00E+02	7.00E+02	NC	-9.02E-06
Chlorine	-1.34E-04	NA	NA	1.50E-01	2.00E-01	NC	-1.87E-04
Chromium (VI)	8.47E-07	1.20E-02	1.50E-01	1.00E-01	2.00E-01	5.58E-09	1.18E-06
Copper	2.49E-06	NA	NA	NA	NA	NC	NC
Lead	7.57E-06	NA	1.20E-05	NA	NA	3.99E-12	NC
Manganese	3.17E-06	NA	NA	5.00E-02	9.00E-02	NC	9.86E-06
Nickel	-9.56E-07	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-1.09E-11	-5.35E-06
Diesel PM	-7.25E-02	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-9.56E-07	-4.05E-03
					TOTAL	**-6.7E-07**	**0.036**

[1] Commercial Maximum Grid No. **326** Note that this is not the same as the Peak Location of Commercial Hazards, Grid No. **236**

NA = Not Available **ug/m^3 = micrograms per cubic meter**

NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 4-5D
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 5, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Commercial Hazards[1])

Exposure Parameters	Adult Worker	RAGS F Equations		
Exposure Time	10 (hrs/day)	EC = (CA x ET x EF x ED) / (AT)		
Exposure Frequency	245 (days/year)	Risk = IUR x EC		
Exposure Duration	11 (years)	HQ = EC / REL		
Averaging Time (non-carcinogenic)	96360 (hrs)	Where:	BW = Body Weight	REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200 (hrs)		IUR = Inhalation Unit Risk	EC = Exposure Concentration
			SFi = Inhalation Slope Factor	AT = Averaging Time (for cancer or non-cancer)

TAC	Concentration at Location w/Maximum Risk (ug/m^3)	Toxicity Criteria: EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risks: Cancer Risk to Adult Worker	Hazard Quotients: Hazard Quotient Adult Worker
Acetaldehyde	2.53E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	3.01E-08	5.06E-04
Acrolein	1.47E-01	NA	NA	2.00E-02	3.50E-01	NC	1.17E-01
Benzene	4.92E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	6.27E-08	2.29E-04
1,3-Butadiene	9.01E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	6.73E-07	1.26E-03
Ethylbenzene	-8.27E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-9.09E-10	-1.16E-06
Formaldehyde	7.24E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	1.91E-07	2.25E-02
Methyl alcohol	1.07E-01	NA	NA	4.00E+03	4.00E+03	NC	7.48E-06
Methyl ethyl ketone	-5.51E-04	NA	NA	5.00E+03	NA	NC	-3.08E-08
Naphthalene	3.17E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	4.74E-08	9.85E-04
Hexane, n-	-1.77E-02	NA	NA	7.00E+02	7.00E+03	NC	-7.05E-07
Phenol	4.37E-02	NA	NA	2.00E+02	2.00E+02	NC	6.11E-05
Propylene	2.30E-01	NA	NA	3.00E+03	3.00E+03	NC	2.15E-05
Styrene	1.64E-02	NA	NA	1.00E+03	9.00E+02	NC	5.10E-06
Toluene	-5.30E-02	NA	NA	5.00E+03	3.00E+02	NC	-4.94E-05
Xylene (total)	-5.61E-02	NA	NA	1.00E+02	7.00E+02	NC	-2.24E-05
Chlorine	-2.37E-04	NA	NA	1.50E-01	2.00E-01	NC	-3.31E-04
Chromium (VI)	5.32E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	3.51E-08	7.45E-06
Copper	1.91E-05	NA	NA	NA	NA	NC	NC
Lead	4.58E-05	NA	1.20E-05	NA	NA	2.41E-11	NC
Manganese	2.33E-05	NA	NA	5.00E-02	9.00E-02	NC	7.23E-05
Nickel	-1.69E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-1.93E-11	-9.47E-06
Diesel PM	-2.77E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-3.65E-06	-1.55E-02
					TOTAL	**-2.6E-06**	**0.13**

[1] Commercial Maximum Grid No. **236**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 4-6A
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 5, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Maximum Range
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult	RAGS F Equations
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)	EC = (CA x ET x EF x ED) / (AT)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)	Risk = IUR x EC
Exposure Duration	6 (years)	6 (years)	11 (years)	HQ = EC / REL
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	96360 (hrs)	Where: BW = Body Weight; REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)	IUR = Inhalation Unit Risk; EC = Exposure Concentration
				SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

	Toxicity Criteria					Cancer Risks			Hazard Quotients		
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Unit Risk $(ug/m^3)^{-1}$	CalEPA Inhalation Unit Risk $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	6.09E-02	2.20E-06	2.70E-06	9.00E+00	1.40E+02	1.35E-08	2.57E-09	2.48E-08	4.17E-04	7.94E-05	4.17E-04
Acrolein	3.50E-02	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	9.59E-02	1.83E-02	9.59E-02
Benzene	1.45E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	3.45E-08	6.57E-09	6.32E-08	2.31E-04	4.40E-05	2.31E-04
1,3-Butadiene	2.23E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	3.12E-07	5.93E-08	5.71E-07	1.07E-03	2.04E-04	1.07E-03
Ethylbenzene	-1.71E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-3.52E-10	-6.70E-11	-6.44E-10	-8.20E-07	-1.56E-07	-8.20E-07
Formaldehyde	1.72E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	8.49E-08	1.62E-08	1.56E-07	1.83E-02	3.50E-03	1.83E-02
Methyl alcohol	2.57E-02	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	6.16E-06	1.17E-06	6.16E-06
Methyl ethyl ketone	-7.24E-05	NA	NA	5.00E+03	NA	NC	NC	NC	-1.39E-08	-2.64E-09	-1.39E-08
Naphthalene	7.66E-03	3.40E-05	3.40E-05	3.00E+00	9.00E+00	2.14E-08	4.08E-09	3.93E-08	8.16E-04	1.55E-04	8.16E-04
Hexane, n-	-6.53E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	-8.94E-07	-1.70E-07	-8.94E-07
Phenol	1.05E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	5.05E-05	9.62E-06	5.05E-05
Propylene	5.34E-02	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	1.71E-05	3.25E-06	1.71E-05
Styrene	3.99E-03	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	4.25E-06	8.09E-07	4.25E-06
Toluene	-1.40E-02	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	-4.48E-05	-8.52E-06	-4.48E-05
Xylene (total)	-1.29E-02	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	-1.77E-05	-3.37E-06	-1.77E-05
Chlorine	-1.13E-04	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	-5.43E-04	-1.03E-04	-5.43E-04
Chromium (VI)	7.27E-07	1.20E-02	1.50E-01	1.00E-01	2.00E-01	8.96E-09	1.71E-09	1.64E-08	3.48E-06	6.64E-07	3.48E-06
Copper	2.14E-06	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC
Lead	6.49E-06	NA	1.20E-05	NA	NA	6.40E-12	1.22E-12	1.17E-11	NC	NC	NC
Manganese	2.73E-06	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	2.91E-05	5.54E-06	2.91E-05
Nickel	-8.09E-07	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-1.73E-11	-3.29E-12	-3.17E-11	-1.55E-05	-2.96E-06	-1.55E-05
Diesel PM	1.64E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	4.03E-06	7.68E-07	7.39E-06	3.14E-02	5.97E-03	3.14E-02
					TOTAL	**4.5E-06**	**8.6E-07**	**8.3E-06**	**0.148**	**0.0281**	**0.148**

[1] Residential Maximum Grid No. **7**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 4-6B
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 5, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Maximum Range
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Residential Hazards[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	11 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	96360 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; IUR = Inhalation Unit Risk; SFi = Inhalation Slope Factor; REL = Reference Exposure Level; EC = Exposure Concentration; AT = Averaging Time (for cancer or non-

	Toxicity Criteria					Cancer Risks				Hazard Quotients	
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfDi (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	2.64E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	5.87E-08	1.12E-08	1.08E-07	1.81E-03	3.45E-04	1.81E-03
Acrolein	1.51E-01	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	4.14E-01	7.89E-02	4.14E-01
Benzene	1.10E-01	7.80E-06	2.90E-05	3.00E+01	6.00E+01	2.63E-07	5.00E-08	4.82E-07	1.76E-03	3.36E-04	1.76E-03
1,3-Butadiene	1.06E-01	3.00E-05	1.70E-04	2.00E+00	2.00E+01	1.48E-06	2.82E-07	2.71E-06	5.08E-03	9.67E-04	5.08E-03
Ethylbenzene	1.19E-02	2.50E-06	2.50E-06	1.00E+03	2.00E+03	2.45E-09	4.67E-10	4.49E-09	5.72E-06	1.09E-06	5.72E-06
Formaldehyde	7.60E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	3.75E-07	7.14E-08	6.87E-07	8.10E-02	1.54E-02	8.10E-02
Methyl alcohol	1.12E-01	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	2.68E-05	5.10E-06	2.68E-05
Methyl ethyl ketone	1.17E-04	NA	NA	5.00E+03	NA	NC	NC	NC	2.24E-08	4.27E-09	2.24E-08
Naphthalene	3.36E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	9.38E-08	1.79E-08	1.72E-07	3.58E-03	6.82E-04	3.58E-03
Hexane, n-	-2.99E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	-4.10E-07	-7.80E-08	-4.10E-07
Phenol	4.50E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	2.16E-04	4.11E-05	2.16E-04
Propylene	2.79E-01	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	8.92E-05	1.70E-05	8.92E-05
Styrene	1.93E-02	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	2.05E-05	3.91E-06	2.05E-05
Toluene	4.11E-02	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	1.32E-04	2.51E-05	1.32E-04
Xylene (total)	3.18E-02	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	4.35E-05	8.29E-06	4.35E-05
Chlorine	-8.22E-05	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	-3.94E-04	-7.51E-05	-3.94E-04
Chromium (VI)	3.62E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	4.46E-08	8.49E-09	8.18E-08	1.73E-05	3.30E-06	1.73E-05
Copper	1.34E-05	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC
Lead	3.09E-05	NA	1.20E-05	NA	NA	3.04E-11	5.80E-12	5.58E-11	NC	NC	NC
Manganese	1.62E-05	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	1.73E-04	3.30E-05	1.73E-04
Nickel	-5.87E-07	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-1.25E-11	-2.39E-12	-2.30E-11	-1.13E-05	-2.14E-06	-1.13E-05
Diesel PM	-6.69E-02	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-1.65E-06	-3.14E-07	-3.03E-06	-1.28E-02	-2.44E-03	-1.28E-02
					TOTAL	**6.7E-07**	**1.3E-07**	**1.2E-06**	**0.49**	**0.094**	**0.49**

[1] Residential Maximum Grid No. 81
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 4-6C
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 5, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Maximum Range
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Commercial Cancer Risks[1])

Exposure Parameters	**Adult Worker**	**RAGS F Equations**
Exposure Time	10 (hrs/day)	EC = (CA x ET x EF x ED) / (AT)
Exposure Frequency	245 (days/year)	Risk = IUR x EC
Exposure Duration	11 (years)	HQ = EC / REL
Averaging Time (non-carcinogenic)	96360 (hrs)	Where: BW = Body Weight; REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200 (hrs)	IUR = Inhalation Unit Risk; EC = Exposure Concentration
		SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

		Toxicity Criteria				**Cancer Risks**	**Hazard Quotients**
TAC	**Concentration at Location w/Maximum Risk (ug/m^3)**	**EPA Inhalation Slope Factor $(ug/m^3)^{-1}$**	**CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$**	**EPA RfC (ug/m^3)**	**CalEPA Proposed REL (ug/m^3)**	**Cancer Risk to Adult Worker**	**Hazard Quotient Adult Worker**
Acetaldehyde	1.49E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	1.76E-08	2.97E-04
Acrolein	8.57E-02	NA	NA	2.00E-02	3.50E-01	NC	6.85E-02
Benzene	3.39E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	4.33E-08	1.58E-04
1,3-Butadiene	5.40E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	4.04E-07	7.55E-04
Ethylbenzene	-3.84E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-4.22E-10	-5.37E-07
Formaldehyde	4.23E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	1.12E-07	1.31E-02
Methyl alcohol	6.28E-02	NA	NA	4.00E+03	4.00E+03	NC	4.39E-06
Methyl ethyl ketone	-2.30E-04	NA	NA	5.00E+03	NA	NC	-1.29E-08
Naphthalene	1.87E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	2.79E-08	5.80E-04
Hexane, n-	-1.25E-02	NA	NA	7.00E+02	7.00E+03	NC	-5.00E-07
Phenol	2.57E-02	NA	NA	2.00E+02	2.00E+02	NC	3.59E-05
Propylene	1.34E-01	NA	NA	3.00E+03	3.00E+03	NC	1.25E-05
Styrene	9.75E-03	NA	NA	1.00E+03	9.00E+02	NC	3.03E-06
Toluene	-2.93E-02	NA	NA	5.00E+03	3.00E+02	NC	-2.73E-05
Xylene (total)	-2.92E-02	NA	NA	1.00E+02	7.00E+02	NC	-1.17E-05
Chlorine	1.32E-03	NA	NA	1.50E-01	2.00E-01	NC	1.85E-03
Chromium (VI)	2.78E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	1.83E-08	3.89E-06
Copper	1.83E-05	NA	NA	NA	NA	NC	NC
Lead	1.95E-05	NA	1.20E-05	NA	NA	1.03E-11	NC
Manganese	2.01E-05	NA	NA	5.00E-02	9.00E-02	NC	6.25E-05
Nickel	9.45E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	1.08E-10	5.29E-05
Diesel PM	-3.37E-02	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-4.44E-07	-1.88E-03
					TOTAL	**1.8E-07**	**0.084**

[1] Commercial Maximum Grid No. **193** Note that this is not the same as the Peak Location of Commercial Hazards, Grid No. **236**

NA = Not Available **ug/m^3 = micrograms per cubic meter**

NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 4-6D
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 5, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Maximum Range
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Commercial Hazards[1])

Exposure Parameters	Adult Worker	RAGS F Equations
Exposure Time	10 (hrs/day)	EC = (CA x ET x EF x ED) / (AT)
Exposure Frequency	245 (days/year)	Risk = IUR x EC
Exposure Duration	11 (years)	HQ = EC / REL
Averaging Time (non-carcinogenic)	96360 (hrs)	Where: BW = Body Weight; REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200 (hrs)	IUR = Inhalation Unit Risk; EC = Exposure Concentration
		SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

TAC	Concentration at Location w/Maximum Risk (ug/m^3)	Toxicity Criteria: EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risks: Cancer Risk to Adult Worker	Hazard Quotients: Hazard Quotient Adult Worker
Acetaldehyde	2.53E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	3.01E-08	5.06E-04
Acrolein	1.47E-01	NA	NA	2.00E-02	3.50E-01	NC	1.17E-01
Benzene	4.92E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	6.27E-08	2.29E-04
1,3-Butadiene	9.01E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	6.73E-07	1.26E-03
Ethylbenzene	-8.27E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-9.09E-10	-1.16E-06
Formaldehyde	7.24E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	1.91E-07	2.25E-02
Methyl alcohol	1.07E-01	NA	NA	4.00E+03	4.00E+03	NC	7.48E-06
Methyl ethyl ketone	-5.51E-04	NA	NA	5.00E+03	NA	NC	-3.08E-08
Naphthalene	3.17E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	4.74E-08	9.85E-04
Hexane, n-	-1.77E-02	NA	NA	7.00E+02	7.00E+03	NC	-7.05E-07
Phenol	4.37E-02	NA	NA	2.00E+02	2.00E+02	NC	6.11E-05
Propylene	2.30E-01	NA	NA	3.00E+03	3.00E+03	NC	2.15E-05
Styrene	1.64E-02	NA	NA	1.00E+03	9.00E+02	NC	5.10E-06
Toluene	-5.30E-02	NA	NA	5.00E+03	3.00E+02	NC	-4.94E-05
Xylene (total)	-5.61E-02	NA	NA	1.00E+02	7.00E+02	NC	-2.24E-05
Chlorine	-2.37E-04	NA	NA	1.50E-01	2.00E-01	NC	-3.31E-04
Chromium (VI)	5.32E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	3.51E-08	7.45E-06
Copper	1.91E-05	NA	NA	NA	NA	NC	NC
Lead	4.58E-05	NA	1.20E-05	NA	NA	2.41E-11	NC
Manganese	2.33E-05	NA	NA	5.00E-02	9.00E-02	NC	7.23E-05
Nickel	-1.69E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-1.93E-11	-9.47E-06
Diesel PM	-2.70E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-3.56E-06	-1.51E-02
					TOTAL	**-2.5E-06**	**0.13**

[1] Commercial Maximum Grid No. **236**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 4-7A
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 6, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	11 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	96360 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where:
BW = Body Weight
IUR = Inhalation Unit Risk
SFi = Inhalation Slope Factor
REL = Reference Exposure Level
EC = Exposure Concentration
AT = Averaging Time (for cancer or non-cance

	Toxicity Criteria					Cancer Risks			Hazard Quotients		
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Unit Risk $(ug/m^3)^{-1}$	CalEPA Inhalation Unit Risk $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	5.76E-02	2.20E-06	2.70E-06	9.00E+00	1.40E+02	1.28E-08	2.43E-09	2.34E-08	3.94E-04	7.51E-05	3.94E-04
Acrolein	3.31E-02	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	9.08E-02	1.73E-02	9.08E-02
Benzene	1.24E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	2.94E-08	5.61E-09	5.40E-08	1.97E-04	3.76E-05	1.97E-04
1,3-Butadiene	2.08E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	2.91E-07	5.55E-08	5.34E-07	9.99E-04	1.90E-04	9.99E-04
Ethylbenzene	-2.20E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-4.53E-10	-8.63E-11	-8.30E-10	-1.06E-06	-2.01E-07	-1.06E-06
Formaldehyde	1.62E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	8.01E-08	1.53E-08	1.47E-07	1.73E-02	3.30E-03	1.73E-02
Methyl alcohol	2.43E-02	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	5.83E-06	1.11E-06	5.83E-06
Methyl ethyl ketone	-7.87E-05	NA	NA	5.00E+03	NA	NC	NC	NC	-1.51E-08	-2.87E-09	-1.51E-08
Naphthalene	7.24E-03	3.40E-05	3.40E-05	3.00E+00	9.00E+00	2.02E-08	3.85E-09	3.71E-08	7.72E-04	1.47E-04	7.72E-04
Hexane, n-	-7.08E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	-9.70E-07	-1.85E-07	-9.70E-07
Phenol	1.00E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	4.79E-05	9.13E-06	4.79E-05
Propylene	4.89E-02	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	1.56E-05	2.98E-06	1.56E-05
Styrene	3.72E-03	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	3.96E-06	7.54E-07	3.96E-06
Toluene	-1.65E-02	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	-5.27E-05	-1.00E-05	-5.27E-05
Xylene (total)	-1.49E-02	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	-2.04E-05	-3.89E-06	-2.04E-05
Chlorine	-2.21E-04	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	-1.06E-03	-2.02E-04	-1.06E-03
Chromium (VI)	6.56E-07	1.20E-02	1.50E-01	1.00E-01	2.00E-01	8.09E-09	1.54E-09	1.48E-08	3.15E-06	5.99E-07	3.15E-06
Copper	1.25E-06	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC
Lead	6.22E-06	NA	1.20E-05	NA	NA	6.13E-12	1.17E-12	1.12E-11	NC	NC	NC
Manganese	1.82E-06	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	1.93E-05	3.68E-06	1.93E-05
Nickel	-1.58E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-3.37E-11	-6.42E-12	-6.18E-11	-3.02E-05	-5.76E-06	-3.02E-05
Diesel PM	9.31E-02	3.00E-04	3.00E-04	5.00E+00	5.00E+00	2.30E-06	4.37E-07	4.21E-06	1.79E-02	3.40E-03	1.79E-02
					TOTAL	**2.7E-06**	**5.2E-07**	**5.0E-06**	**0.127**	**0.0242**	**0.127**

[1] Residential Maximum Grid No. **7**

NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 4-7B
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 6, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Residential Hazards[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	11 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	96360 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; IUR = Inhalation Unit Risk; SFi = Inhalation Slope Factor; REL = Reference Exposure Level; EC = Exposure Concentration; AT = Averaging Time (for cancer or non-ca

		Toxicity Criteria				Cancer Risks				Hazard Quotients	
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfDi (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	2.28E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	5.05E-08	9.62E-09	9.26E-08	1.56E-03	2.97E-04	1.56E-03
Acrolein	1.30E-01	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	3.56E-01	6.79E-02	3.56E-01
Benzene	9.49E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	2.26E-07	4.31E-08	4.15E-07	1.52E-03	2.89E-04	1.52E-03
1,3-Butadiene	9.12E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	1.27E-06	2.43E-07	2.34E-06	4.37E-03	8.33E-04	4.37E-03
Ethylbenzene	1.00E-02	2.50E-06	2.50E-06	1.00E+03	2.00E+03	2.06E-09	3.93E-10	3.78E-09	4.82E-06	9.17E-07	4.82E-06
Formaldehyde	6.54E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	3.22E-07	6.14E-08	5.91E-07	6.96E-02	1.33E-02	6.96E-02
Methyl alcohol	9.62E-02	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	2.31E-05	4.39E-06	2.31E-05
Methyl ethyl ketone	1.10E-04	NA	NA	5.00E+03	NA	NC	NC	NC	2.11E-08	4.03E-09	2.11E-08
Naphthalene	2.89E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	8.08E-08	1.54E-08	1.48E-07	3.08E-03	5.87E-04	3.08E-03
Hexane, n-	-3.57E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	-4.89E-07	-9.32E-08	-4.89E-07
Phenol	3.87E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	1.86E-04	3.54E-05	1.86E-04
Propylene	2.39E-01	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	7.64E-05	1.46E-05	7.64E-05
Styrene	1.66E-02	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	1.77E-05	3.37E-06	1.77E-05
Toluene	3.35E-02	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	1.07E-04	2.04E-05	1.07E-04
Xylene (total)	2.62E-02	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	3.59E-05	6.84E-06	3.59E-05
Chlorine	-1.93E-04	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	-9.25E-04	-1.76E-04	-9.25E-04
Chromium (VI)	3.11E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	3.84E-08	7.31E-09	7.04E-08	1.49E-05	2.84E-06	1.49E-05
Copper	1.09E-05	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC
Lead	2.69E-05	NA	1.20E-05	NA	NA	2.66E-11	5.06E-12	4.87E-11	NC	NC	NC
Manganese	1.33E-05	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	1.42E-04	2.70E-05	1.42E-04
Nickel	-1.38E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-2.94E-11	-5.61E-12	-5.40E-11	-2.64E-05	-5.03E-06	-2.64E-05
Diesel PM	-8.23E-02	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-2.03E-06	-3.86E-07	-3.72E-06	-1.58E-02	-3.01E-03	-1.58E-02
					TOTAL	**-3.5E-08**	**-6.6E-09**	**-6.4E-08**	**0.42**	**0.080**	**0.42**

[1] Residential Maximum Grid No. **81**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 4-7C
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 6, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Commercial Cancer Risks[1])

Exposure Parameters	Adult Worker	RAGS F Equations
Exposure Time	10 (hrs/day)	EC = (CA x ET x EF x ED) / (AT)
Exposure Frequency	245 (days/year)	Risk = IUR x EC
Exposure Duration	11 (years)	HQ = EC / REL
Averaging Time (non-carcinogenic)	96360 (hrs)	Where: BW = Body Weight; REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200 (hrs)	IUR = Inhalation Unit Risk; EC = Exposure Concentration
		SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risks: Cancer Risk to Adult Worker	Hazard Quotients: Hazard Quotient Adult Worker
Acetaldehyde	6.78E-02	2.20E-06	2.70E-06	9.00E+00	1.40E+02	8.05E-09	1.36E-04
Acrolein	3.91E-02	NA	NA	2.00E-02	3.50E-01	NC	3.13E-02
Benzene	1.03E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	1.31E-08	4.78E-05
1,3-Butadiene	2.37E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	1.77E-07	3.32E-04
Ethylbenzene	-4.29E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-4.71E-10	-6.00E-07
Formaldehyde	1.91E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	5.02E-08	5.92E-03
Methyl alcohol	2.86E-02	NA	NA	4.00E+03	4.00E+03	NC	2.00E-06
Methyl ethyl ketone	-1.34E-04	NA	NA	5.00E+03	NA	NC	-7.52E-09
Naphthalene	8.50E-03	3.40E-05	3.40E-05	3.00E+00	9.00E+00	1.27E-08	2.64E-04
Hexane, n-	-1.04E-02	NA	NA	7.00E+02	7.00E+03	NC	-4.14E-07
Phenol	1.18E-02	NA	NA	2.00E+02	2.00E+02	NC	1.66E-05
Propylene	5.37E-02	NA	NA	3.00E+03	3.00E+03	NC	5.00E-06
Styrene	4.20E-03	NA	NA	1.00E+03	9.00E+02	NC	1.31E-06
Toluene	-2.81E-02	NA	NA	5.00E+03	3.00E+02	NC	-2.62E-05
Xylene (total)	-2.52E-02	NA	NA	1.00E+02	7.00E+02	NC	-1.01E-05
Chlorine	-2.80E-04	NA	NA	1.50E-01	2.00E-01	NC	-3.91E-04
Chromium (VI)	7.62E-07	1.20E-02	1.50E-01	1.00E-01	2.00E-01	5.02E-09	1.07E-06
Copper	1.32E-06	NA	NA	NA	NA	NC	NC
Lead	7.29E-06	NA	1.20E-05	NA	NA	3.85E-12	NC
Manganese	1.98E-06	NA	NA	5.00E-02	9.00E-02	NC	6.15E-06
Nickel	-2.00E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-2.28E-11	-1.12E-05
Diesel PM	-9.79E-02	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-1.29E-06	-5.48E-03
					TOTAL	**-1.0E-06**	**0.032**

[1] **Commercial Maximum Grid No.** **326** Note that this is not the same as the Peak Location of Commercial Hazards, Grid No. **236**

NA = Not Available **ug/m^3 = micrograms per cubic meter**

NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 4-7D
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 6, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Commercial Hazards[1])

Exposure Parameters	Adult Worker	
Exposure Time	10	(hrs/day)
Exposure Frequency	245	(days/year)
Exposure Duration	11	(years)
Averaging Time (non-carcinogenic)	96360	(hrs)
Averaging Time (carcinogenic)	613200	(hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where:
BW = Body Weight
IUR = Inhalation Unit Risk
SFi = Inhalation Slope Factor
REL = Reference Exposure Level
EC = Exposure Concentration
AT = Averaging Time (for cancer or non-cancer)

TAC	Concentration at Location w/Maximum Risk (ug/m^3)	Toxicity Criteria: EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	Toxicity Criteria: CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	Toxicity Criteria: EPA RfC (ug/m^3)	Toxicity Criteria: CalEPA Proposed REL (ug/m^3)	Cancer Risks: Cancer Risk to Adult Worker	Hazard Quotients: Hazard Quotient Adult Worker
Acetaldehyde	2.41E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	2.86E-08	4.81E-04
Acrolein	1.40E-01	NA	NA	2.00E-02	3.50E-01	NC	1.12E-01
Benzene	4.30E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	5.48E-08	2.00E-04
1,3-Butadiene	8.49E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	6.34E-07	1.19E-03
Ethylbenzene	-9.35E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-1.03E-09	-1.31E-06
Formaldehyde	6.87E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	1.81E-07	2.14E-02
Methyl alcohol	1.02E-01	NA	NA	4.00E+03	4.00E+03	NC	7.11E-06
Methyl ethyl ketone	-5.61E-04	NA	NA	5.00E+03	NA	NC	-3.14E-08
Naphthalene	3.01E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	4.50E-08	9.36E-04
Hexane, n-	-1.85E-02	NA	NA	7.00E+02	7.00E+03	NC	-7.40E-07
Phenol	4.16E-02	NA	NA	2.00E+02	2.00E+02	NC	5.82E-05
Propylene	2.16E-01	NA	NA	3.00E+03	3.00E+03	NC	2.01E-05
Styrene	1.54E-02	NA	NA	1.00E+03	9.00E+02	NC	4.80E-06
Toluene	-5.79E-02	NA	NA	5.00E+03	3.00E+02	NC	-5.40E-05
Xylene (total)	-6.00E-02	NA	NA	1.00E+02	7.00E+02	NC	-2.40E-05
Chlorine	-3.93E-04	NA	NA	1.50E-01	2.00E-01	NC	-5.50E-04
Chromium (VI)	5.16E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	3.40E-08	7.21E-06
Copper	1.76E-05	NA	NA	NA	NA	NC	NC
Lead	4.48E-05	NA	1.20E-05	NA	NA	2.36E-11	NC
Manganese	2.16E-05	NA	NA	5.00E-02	9.00E-02	NC	6.72E-05
Nickel	-2.81E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-3.21E-11	-1.57E-05
Diesel PM	-2.79E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-3.68E-06	-1.56E-02
					TOTAL	**-2.7E-06**	**0.12**

[1] Commercial Maximum Grid No. **236**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 4-8A
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 6, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	11 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	96360 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; IUR = Inhalation Unit Risk; SFi = Inhalation Slope Factor; REL = Reference Exposure Level; EC = Exposure Concentration; AT = Averaging Time (for cancer or non-cance

		Toxicity Criteria				Cancer Risks			Hazard Quotients		
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Unit Risk $(ug/m^3)^{-1}$	CalEPA Inhalation Unit Risk $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	5.77E-02	2.20E-06	2.70E-06	9.00E+00	1.40E+02	1.28E-08	2.44E-09	2.35E-08	3.95E-04	7.53E-05	3.95E-04
Acrolein	3.32E-02	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	9.09E-02	1.73E-02	9.09E-02
Benzene	1.32E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	3.15E-08	6.00E-09	5.77E-08	2.11E-04	4.02E-05	2.11E-04
1,3-Butadiene	2.10E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	2.94E-07	5.60E-08	5.39E-07	1.01E-03	1.92E-04	1.01E-03
Ethylbenzene	-1.84E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-3.78E-10	-7.20E-11	-6.93E-10	-8.82E-07	-1.68E-07	-8.82E-07
Formaldehyde	1.63E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	8.04E-08	1.53E-08	1.47E-07	1.74E-02	3.31E-03	1.74E-02
Methyl alcohol	2.44E-02	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	5.84E-06	1.11E-06	5.84E-06
Methyl ethyl ketone	-7.24E-05	NA	NA	5.00E+03	NA	NC	NC	NC	-1.39E-08	-2.64E-09	-1.39E-08
Naphthalene	7.26E-03	3.40E-05	3.40E-05	3.00E+00	9.00E+00	2.03E-08	3.86E-09	3.72E-08	7.73E-04	1.47E-04	7.73E-04
Hexane, n-	-6.53E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	-8.94E-07	-1.70E-07	-8.94E-07
Phenol	1.00E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	4.79E-05	9.13E-06	4.79E-05
Propylene	5.00E-02	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	1.60E-05	3.04E-06	1.60E-05
Styrene	3.76E-03	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	4.00E-06	7.63E-07	4.00E-06
Toluene	-1.45E-02	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	-4.63E-05	-8.82E-06	-4.63E-05
Xylene (total)	-1.32E-02	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	-1.81E-05	-3.45E-06	-1.81E-05
Chlorine	-1.13E-04	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	-5.43E-04	-1.03E-04	-5.43E-04
Chromium (VI)	6.95E-07	1.20E-02	1.50E-01	1.00E-01	2.00E-01	8.56E-09	1.63E-09	1.57E-08	3.33E-06	6.34E-07	3.33E-06
Copper	2.02E-06	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC
Lead	6.22E-06	NA	1.20E-05	NA	NA	6.13E-12	1.17E-12	1.12E-11	NC	NC	NC
Manganese	2.58E-06	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	2.75E-05	5.24E-06	2.75E-05
Nickel	-8.09E-07	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-1.73E-11	-3.29E-12	-3.17E-11	-1.55E-05	-2.96E-06	-1.55E-05
Diesel PM	9.52E-02	3.00E-04	3.00E-04	5.00E+00	5.00E+00	2.35E-06	4.47E-07	4.30E-06	1.83E-02	3.48E-03	1.83E-02
					TOTAL	**2.8E-06**	**5.3E-07**	**5.1E-06**	**0.13**	**0.024**	**0.13**

[1] Residential Maximum Grid No. **7**

NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 4-8B
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 6, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Residential Hazards[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	11 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	96360 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where:
BW = Body Weight
IUR = Inhalation Unit Risk
SFi = Inhalation Slope Factor
REL = Reference Exposure Level
EC = Exposure Concentration
AT = Averaging Time (for cancer or non-ca

		Toxicity Criteria				Cancer Risks				Hazard Quotients	
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfDi (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	2.28E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	5.06E-08	9.63E-09	9.27E-08	1.56E-03	2.97E-04	1.56E-03
Acrolein	1.30E-01	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	3.57E-01	6.79E-02	3.57E-01
Benzene	9.58E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	2.28E-07	4.35E-08	4.19E-07	1.53E-03	2.92E-04	1.53E-03
1,3-Butadiene	9.14E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	1.28E-06	2.43E-07	2.34E-06	4.38E-03	8.35E-04	4.38E-03
Ethylbenzene	1.04E-02	2.50E-06	2.50E-06	1.00E+03	2.00E+03	2.14E-09	4.08E-10	3.93E-09	5.00E-06	9.52E-07	5.00E-06
Formaldehyde	6.54E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	3.23E-07	6.14E-08	5.91E-07	6.97E-02	1.33E-02	6.97E-02
Methyl alcohol	9.63E-02	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	2.31E-05	4.40E-06	2.31E-05
Methyl ethyl ketone	1.17E-04	NA	NA	5.00E+03	NA	NC	NC	NC	2.24E-08	4.27E-09	2.24E-08
Naphthalene	2.89E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	8.09E-08	1.54E-08	1.48E-07	3.08E-03	5.87E-04	3.08E-03
Hexane, n-	-2.99E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	-4.10E-07	-7.80E-08	-4.10E-07
Phenol	3.87E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	1.86E-04	3.54E-05	1.86E-04
Propylene	2.40E-01	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	7.67E-05	1.46E-05	7.67E-05
Styrene	1.66E-02	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	1.77E-05	3.37E-06	1.77E-05
Toluene	3.56E-02	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	1.14E-04	2.17E-05	1.14E-04
Xylene (total)	2.79E-02	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	3.83E-05	7.29E-06	3.83E-05
Chlorine	-8.22E-05	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	-3.94E-04	-7.51E-05	-3.94E-04
Chromium (VI)	3.15E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	3.89E-08	7.40E-09	7.12E-08	1.51E-05	2.88E-06	1.51E-05
Copper	1.16E-05	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC
Lead	2.69E-05	NA	1.20E-05	NA	NA	2.66E-11	5.06E-12	4.87E-11	NC	NC	NC
Manganese	1.41E-05	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	1.50E-04	2.86E-05	1.50E-04
Nickel	-5.87E-07	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-1.25E-11	-2.39E-12	-2.30E-11	-1.13E-05	-2.14E-06	-1.13E-05
Diesel PM	-8.06E-02	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-1.99E-06	-3.78E-07	-3.64E-06	-1.54E-02	-2.94E-03	-1.54E-02
					TOTAL	**1.4E-08**	**2.6E-09**	**2.5E-08**	**0.42**	**0.080**	**0.42**

[1] Residential Maximum Grid No. **81**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 4-8C
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 6, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Commercial Cancer Risks[1])

Exposure Parameters	**Adult Worker**	**RAGS F Equations**
Exposure Time	10 (hrs/day)	EC = (CA x ET x EF x ED) / (AT)
Exposure Frequency	245 (days/year)	Risk = IUR x EC
Exposure Duration	11 (years)	HQ = EC / REL
Averaging Time (non-carcinogenic)	96360 (hrs)	Where: BW = Body Weight; REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200 (hrs)	IUR = Inhalation Unit Risk; EC = Exposure Concentration
		SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

		Toxicity Criteria				**Cancer Risks**	**Hazard Quotients**
TAC	**Concentration at Location w/Maximum Risk (ug/m^3)**	**EPA Inhalation Slope Factor $(ug/m^3)^{-1}$**	**CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$**	**EPA RfC (ug/m^3)**	**CalEPA Proposed REL (ug/m^3)**	**Cancer Risk to Adult Worker**	**Hazard Quotient Adult Worker**
Acetaldehyde	1.41E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	1.68E-08	2.83E-04
Acrolein	8.16E-02	NA	NA	2.00E-02	3.50E-01	NC	6.52E-02
Benzene	3.11E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	3.97E-08	1.45E-04
1,3-Butadiene	5.12E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	3.82E-07	7.16E-04
Ethylbenzene	-4.13E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-4.54E-10	-5.77E-07
Formaldehyde	4.02E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	1.06E-07	1.25E-02
Methyl alcohol	5.97E-02	NA	NA	4.00E+03	4.00E+03	NC	4.18E-06
Methyl ethyl ketone	-2.30E-04	NA	NA	5.00E+03	NA	NC	-1.29E-08
Naphthalene	1.78E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	2.65E-08	5.52E-04
Hexane, n-	-1.25E-02	NA	NA	7.00E+02	7.00E+03	NC	-5.00E-07
Phenol	2.44E-02	NA	NA	2.00E+02	2.00E+02	NC	3.42E-05
Propylene	1.27E-01	NA	NA	3.00E+03	3.00E+03	NC	1.18E-05
Styrene	9.23E-03	NA	NA	1.00E+03	9.00E+02	NC	2.87E-06
Toluene	-3.04E-02	NA	NA	5.00E+03	3.00E+02	NC	-2.83E-05
Xylene (total)	-3.00E-02	NA	NA	1.00E+02	7.00E+02	NC	-1.20E-05
Chlorine	1.32E-03	NA	NA	1.50E-01	2.00E-01	NC	1.85E-03
Chromium (VI)	2.71E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	1.79E-08	3.80E-06
Copper	1.81E-05	NA	NA	NA	NA	NC	NC
Lead	1.90E-05	NA	1.20E-05	NA	NA	1.00E-11	NC
Manganese	1.98E-05	NA	NA	5.00E-02	9.00E-02	NC	6.15E-05
Nickel	9.45E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	1.08E-10	5.29E-05
Diesel PM	-3.51E-02	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-4.62E-07	-1.96E-03
					TOTAL	**1.3E-07**	**0.079**

[1] **Commercial Maximum Grid No.** **193** Note that this is not the same as the Peak Location of Commercial Hazards, Grid No. **236**

NA = Not Available **ug/m^3 = micrograms per cubic meter**

NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 4-8D
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 6, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Commercial Hazards[1])

Exposure Parameters	**Adult Worker**	**RAGS F Equations**		
Exposure Time	10 (hrs/day)	EC = (CA x ET x EF x ED) / (AT)		
Exposure Frequency	245 (days/year)	Risk = IUR x EC		
Exposure Duration	11 (years)	HQ = EC / REL		
Averaging Time (non-carcinogenic)	96360 (hrs)	Where:	BW = Body Weight	REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200 (hrs)		IUR = Inhalation Unit Risk	EC = Exposure Concentration
			SFi = Inhalation Slope Factor	AT = Averaging Time (for cancer or non-cancer)

		Toxicity Criteria				**Cancer Risks**	**Hazard Quotients**
TAC	**Concentration at Location w/Maximum Risk (ug/m^3)**	**EPA Inhalation Slope Factor $(ug/m^3)^{-1}$**	**CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$**	**EPA RfC (ug/m^3)**	**CalEPA Proposed REL (ug/m^3)**	**Cancer Risk to Adult Worker**	**Hazard Quotient Adult Worker**
Acetaldehyde	2.41E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	2.86E-08	4.82E-04
Acrolein	1.40E-01	NA	NA	2.00E-02	3.50E-01	NC	1.12E-01
Benzene	4.43E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	5.65E-08	2.07E-04
1,3-Butadiene	8.52E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	6.37E-07	1.19E-03
Ethylbenzene	-8.78E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-9.64E-10	-1.23E-06
Formaldehyde	6.88E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	1.81E-07	2.14E-02
Methyl alcohol	1.02E-01	NA	NA	4.00E+03	4.00E+03	NC	7.11E-06
Methyl ethyl ketone	-5.51E-04	NA	NA	5.00E+03	NA	NC	-3.08E-08
Naphthalene	3.01E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	4.50E-08	9.37E-04
Hexane, n-	-1.77E-02	NA	NA	7.00E+02	7.00E+03	NC	-7.05E-07
Phenol	4.16E-02	NA	NA	2.00E+02	2.00E+02	NC	5.82E-05
Propylene	2.17E-01	NA	NA	3.00E+03	3.00E+03	NC	2.03E-05
Styrene	1.55E-02	NA	NA	1.00E+03	9.00E+02	NC	4.82E-06
Toluene	-5.48E-02	NA	NA	5.00E+03	3.00E+02	NC	-5.11E-05
Xylene (total)	-5.74E-02	NA	NA	1.00E+02	7.00E+02	NC	-2.29E-05
Chlorine	-2.37E-04	NA	NA	1.50E-01	2.00E-01	NC	-3.31E-04
Chromium (VI)	5.21E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	3.44E-08	7.29E-06
Copper	1.87E-05	NA	NA	NA	NA	NC	NC
Lead	4.48E-05	NA	1.20E-05	NA	NA	2.36E-11	NC
Manganese	2.28E-05	NA	NA	5.00E-02	9.00E-02	NC	7.07E-05
Nickel	-1.69E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-1.93E-11	-9.47E-06
Diesel PM	-2.71E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-3.57E-06	-1.51E-02
					TOTAL	**-2.6E-06**	**0.12**

[1] **Commercial Maximum Grid No.** **236**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 4-9A
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 7, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	11 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	96360 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where:
BW = Body Weight
IUR = Inhalation Unit Risk
SFi = Inhalation Slope Factor
REL = Reference Exposure Level
EC = Exposure Concentration
AT = Averaging Time (for cancer or non-cance

	Toxicity Criteria					Cancer Risks			Hazard Quotients		
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Unit Risk $(ug/m^3)^{-1}$	CalEPA Inhalation Unit Risk $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	6.53E-02	2.20E-06	2.70E-06	9.00E+00	1.40E+02	1.45E-08	2.76E-09	2.66E-08	4.47E-04	8.52E-05	4.47E-04
Acrolein	3.76E-02	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	1.03E-01	1.96E-02	1.03E-01
Benzene	1.52E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	3.62E-08	6.90E-09	6.64E-08	2.43E-04	4.62E-05	2.43E-04
1,3-Butadiene	2.39E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	3.33E-07	6.35E-08	6.11E-07	1.14E-03	2.18E-04	1.14E-03
Ethylbenzene	-1.96E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-4.02E-10	-7.66E-11	-7.38E-10	-9.39E-07	-1.79E-07	-9.39E-07
Formaldehyde	1.85E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	9.11E-08	1.74E-08	1.67E-07	1.97E-02	3.75E-03	1.97E-02
Methyl alcohol	2.76E-02	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	6.61E-06	1.26E-06	6.61E-06
Methyl ethyl ketone	-8.12E-05	NA	NA	5.00E+03	NA	NC	NC	NC	-1.56E-08	-2.96E-09	-1.56E-08
Naphthalene	8.22E-03	3.40E-05	3.40E-05	3.00E+00	9.00E+00	2.30E-08	4.38E-09	4.21E-08	8.76E-04	1.67E-04	8.76E-04
Hexane, n-	-7.13E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	-9.76E-07	-1.86E-07	-9.76E-07
Phenol	1.13E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	5.42E-05	1.03E-05	5.42E-05
Propylene	5.70E-02	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	1.82E-05	3.47E-06	1.82E-05
Styrene	4.27E-03	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	4.55E-06	8.66E-07	4.55E-06
Toluene	-1.56E-02	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	-5.00E-05	-9.52E-06	-5.00E-05
Xylene (total)	-1.44E-02	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	-1.97E-05	-3.76E-06	-1.97E-05
Chlorine	-2.21E-04	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	-1.06E-03	-2.02E-04	-1.06E-03
Chromium (VI)	7.54E-07	1.20E-02	1.50E-01	1.00E-01	2.00E-01	9.30E-09	1.77E-09	1.71E-08	3.62E-06	6.89E-07	3.62E-06
Copper	1.63E-06	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC
Lead	7.05E-06	NA	1.20E-05	NA	NA	6.95E-12	1.32E-12	1.27E-11	NC	NC	NC
Manganese	2.27E-06	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	2.42E-05	4.60E-06	2.42E-05
Nickel	-1.58E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-3.37E-11	-6.42E-12	-6.18E-11	-3.02E-05	-5.76E-06	-3.02E-05
Diesel PM	5.91E-02	3.00E-04	3.00E-04	5.00E+00	5.00E+00	1.46E-06	2.78E-07	2.67E-06	1.13E-02	2.16E-03	1.13E-02
					TOTAL	**2.0E-06**	**3.7E-07**	**3.6E-06**	**0.136**	**0.0258**	**0.136**

[1] Residential Maximum Grid No. **7**

NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 4-9B
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 7, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Residential Hazards[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	11 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	96360 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; IUR = Inhalation Unit Risk; SFi = Inhalation Slope Factor; REL = Reference Exposure Level; EC = Exposure Concentration; AT = Averaging Time (for cancer or non-ca

		Toxicity Criteria				Cancer Risks			Hazard Quotients		
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfDi (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	2.19E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	4.85E-08	9.24E-09	8.89E-08	1.50E-03	2.85E-04	1.50E-03
Acrolein	1.25E-01	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	3.42E-01	6.52E-02	3.42E-01
Benzene	8.97E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	2.14E-07	4.07E-08	3.92E-07	1.43E-03	2.73E-04	1.43E-03
1,3-Butadiene	8.73E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	1.22E-06	2.32E-07	2.24E-06	4.18E-03	7.97E-04	4.18E-03
Ethylbenzene	9.11E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	1.87E-09	3.57E-10	3.43E-09	4.37E-06	8.32E-07	4.37E-06
Formaldehyde	6.27E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	3.09E-07	5.89E-08	5.67E-07	6.68E-02	1.27E-02	6.68E-02
Methyl alcohol	9.24E-02	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	2.21E-05	4.22E-06	2.21E-05
Methyl ethyl ketone	9.03E-05	NA	NA	5.00E+03	NA	NC	NC	NC	1.73E-08	3.30E-09	1.73E-08
Naphthalene	2.78E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	7.76E-08	1.48E-08	1.42E-07	2.96E-03	5.63E-04	2.96E-03
Hexane, n-	-3.94E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	-5.40E-07	-1.03E-07	-5.40E-07
Phenol	3.72E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	1.78E-04	3.40E-05	1.78E-04
Propylene	2.28E-01	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	7.30E-05	1.39E-05	7.30E-05
Styrene	1.59E-02	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	1.69E-05	3.22E-06	1.69E-05
Toluene	2.96E-02	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	9.46E-05	1.80E-05	9.46E-05
Xylene (total)	2.28E-02	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	3.12E-05	5.95E-06	3.12E-05
Chlorine	-1.93E-04	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	-9.25E-04	-1.76E-04	-9.25E-04
Chromium (VI)	2.91E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	3.59E-08	6.84E-09	6.58E-08	1.40E-05	2.66E-06	1.40E-05
Copper	1.01E-05	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC
Lead	2.52E-05	NA	1.20E-05	NA	NA	2.49E-11	4.74E-12	4.56E-11	NC	NC	NC
Manganese	1.24E-05	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	1.32E-04	2.51E-05	1.32E-04
Nickel	-1.38E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-2.94E-11	-5.61E-12	-5.40E-11	-2.64E-05	-5.03E-06	-2.64E-05
Diesel PM	-9.01E-02	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-2.22E-06	-4.23E-07	-4.08E-06	-1.73E-02	-3.29E-03	-1.73E-02
					TOTAL	**-3.2E-07**	**-6.0E-08**	**-5.8E-07**	**0.40**	**0.076**	**0.40**

[1] Residential Maximum Grid No. **81**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 4-9C
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 7, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Commercial Cancer Risks[1])

Exposure Parameters	Adult Worker	RAGS F Equations		
Exposure Time	10 (hrs/day)	EC = (CA x ET x EF x ED) / (AT)		
Exposure Frequency	245 (days/year)	Risk = IUR x EC		
Exposure Duration	11 (years)	HQ = EC / REL		
Averaging Time (non-carcinogenic)	96360 (hrs)	Where:	BW = Body Weight	REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200 (hrs)		IUR = Inhalation Unit Risk	EC = Exposure Concentration
			SFi = Inhalation Slope Factor	AT = Averaging Time (for cancer or non-cancer)

TAC	Concentration at Location w/Maximum Risk (ug/m^3)	Toxicity Criteria: EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	Toxicity Criteria: CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	Toxicity Criteria: EPA RfC (ug/m^3)	Toxicity Criteria: CalEPA Proposed REL (ug/m^3)	Cancer Risks: Cancer Risk to Adult Worker	Hazard Quotients: Hazard Quotient Adult Worker
Acetaldehyde	1.92E-02	2.20E-06	2.70E-06	9.00E+00	1.40E+02	2.27E-09	3.83E-05
Acrolein	1.15E-02	NA	NA	2.00E-02	3.50E-01	NC	9.16E-03
Benzene	-1.05E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	-1.34E-08	-4.90E-05
1,3-Butadiene	4.02E-03	3.00E-05	1.70E-04	2.00E+00	2.00E+01	3.00E-08	5.62E-05
Ethylbenzene	-5.94E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-6.53E-10	-8.31E-07
Formaldehyde	5.26E-02	1.30E-05	6.00E-06	9.80E+00	9.00E+00	1.39E-08	1.64E-03
Methyl alcohol	8.04E-03	NA	NA	4.00E+03	4.00E+03	NC	5.62E-07
Methyl ethyl ketone	-1.93E-04	NA	NA	5.00E+03	NA	NC	-1.08E-08
Naphthalene	2.29E-03	3.40E-05	3.40E-05	3.00E+00	9.00E+00	3.42E-09	7.12E-05
Hexane, n-	-6.69E-03	NA	NA	7.00E+02	7.00E+03	NC	-2.67E-07
Phenol	3.50E-03	NA	NA	2.00E+02	2.00E+02	NC	4.89E-06
Propylene	6.06E-03	NA	NA	3.00E+03	3.00E+03	NC	5.65E-07
Styrene	6.91E-04	NA	NA	1.00E+03	9.00E+02	NC	2.15E-07
Toluene	-3.03E-02	NA	NA	5.00E+03	3.00E+02	NC	-2.83E-05
Xylene (total)	-2.80E-02	NA	NA	1.00E+02	7.00E+02	NC	-1.12E-05
Chlorine	-2.91E-04	NA	NA	1.50E-01	2.00E-01	NC	-4.06E-04
Chromium (VI)	5.04E-08	1.20E-02	1.50E-01	1.00E-01	2.00E-01	3.32E-10	7.05E-08
Copper	-1.48E-06	NA	NA	NA	NA	NC	NC
Lead	1.30E-06	NA	1.20E-05	NA	NA	6.88E-13	NC
Manganese	-1.36E-06	NA	NA	5.00E-02	9.00E-02	NC	-4.24E-06
Nickel	-2.08E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-2.37E-11	-1.16E-05
Diesel PM	-1.00E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-1.32E-06	-5.60E-03
					TOTAL	**-1.3E-06**	**0.005**

[1] Commercial Maximum Grid No. **266** Note that this is not the same as the Peak Location of Commercial Hazards, Grid No. **236**

NA = Not Available
NC = Not Calculated

ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 4-9D
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 7, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Commercial Hazards[1])

Exposure Parameters	Adult Worker	RAGS F Equations
Exposure Time	10 (hrs/day)	EC = (CA x ET x EF x ED) / (AT)
Exposure Frequency	245 (days/year)	Risk = IUR x EC
Exposure Duration	11 (years)	HQ = EC / REL
Averaging Time (non-carcinogenic)	96360 (hrs)	Where: BW = Body Weight; REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200 (hrs)	IUR = Inhalation Unit Risk; EC = Exposure Concentration
		SFi = Inhalation Slope Factor; AT = Averaging Time (for cancer or non-cancer)

TAC	Concentration at Location w/Maximum Risk (ug/m^3)	Toxicity Criteria: EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risks: Cancer Risk to Adult Worker	Hazard Quotients: Hazard Quotient Adult Worker
Acetaldehyde	2.51E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	2.97E-08	5.01E-04
Acrolein	1.45E-01	NA	NA	2.00E-02	3.50E-01	NC	1.16E-01
Benzene	4.73E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	6.03E-08	2.20E-04
1,3-Butadiene	8.88E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	6.64E-07	1.24E-03
Ethylbenzene	-8.78E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-9.65E-10	-1.23E-06
Formaldehyde	7.15E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	1.89E-07	2.22E-02
Methyl alcohol	1.06E-01	NA	NA	4.00E+03	4.00E+03	NC	7.39E-06
Methyl ethyl ketone	-5.55E-04	NA	NA	5.00E+03	NA	NC	-3.10E-08
Naphthalene	3.13E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	4.68E-08	9.74E-04
Hexane, n-	-1.84E-02	NA	NA	7.00E+02	7.00E+03	NC	-7.36E-07
Phenol	4.33E-02	NA	NA	2.00E+02	2.00E+02	NC	6.05E-05
Propylene	2.26E-01	NA	NA	3.00E+03	3.00E+03	NC	2.11E-05
Styrene	1.62E-02	NA	NA	1.00E+03	9.00E+02	NC	5.02E-06
Toluene	-5.57E-02	NA	NA	5.00E+03	3.00E+02	NC	-5.19E-05
Xylene (total)	-5.83E-02	NA	NA	1.00E+02	7.00E+02	NC	-2.33E-05
Chlorine	-3.93E-04	NA	NA	1.50E-01	2.00E-01	NC	-5.50E-04
Chromium (VI)	5.25E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	3.46E-08	7.35E-06
Copper	1.79E-05	NA	NA	NA	NA	NC	NC
Lead	4.56E-05	NA	1.20E-05	NA	NA	2.41E-11	NC
Manganese	2.21E-05	NA	NA	5.00E-02	9.00E-02	NC	6.86E-05
Nickel	-2.81E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-3.21E-11	-1.57E-05
Diesel PM	-2.80E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-3.69E-06	-1.56E-02
					TOTAL	**-2.7E-06**	**0.12**

[1] Commercial Maximum Grid No. **236**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 4-10A
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 7, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	11 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	96360 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where: BW = Body Weight; IUR = Inhalation Unit Risk; SFi = Inhalation Slope Factor; REL = Reference Exposure Level; EC = Exposure Concentration; AT = Averaging Time (for cancer or non-cance

	Toxicity Criteria					Cancer Risks			Hazard Quotients		
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Unit Risk $(ug/m^3)^{-1}$	CalEPA Inhalation Unit Risk $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	6.54E-02	2.20E-06	2.70E-06	9.00E+00	1.40E+02	1.45E-08	2.77E-09	2.66E-08	4.48E-04	8.53E-05	4.48E-04
Acrolein	3.76E-02	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	1.03E-01	1.96E-02	1.03E-01
Benzene	1.60E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	3.83E-08	7.29E-09	7.01E-08	2.56E-04	4.89E-05	2.56E-04
1,3-Butadiene	2.40E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	3.36E-07	6.40E-08	6.16E-07	1.15E-03	2.20E-04	1.15E-03
Ethylbenzene	-1.59E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-3.28E-10	-6.24E-11	-6.01E-10	-7.64E-07	-1.46E-07	-7.64E-07
Formaldehyde	1.85E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	9.14E-08	1.74E-08	1.68E-07	1.97E-02	3.76E-03	1.97E-02
Methyl alcohol	2.76E-02	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	6.62E-06	1.26E-06	6.62E-06
Methyl ethyl ketone	-7.48E-05	NA	NA	5.00E+03	NA	NC	NC	NC	-1.43E-08	-2.73E-09	-1.43E-08
Naphthalene	8.24E-03	3.40E-05	3.40E-05	3.00E+00	9.00E+00	2.30E-08	4.38E-09	4.22E-08	8.77E-04	1.67E-04	8.77E-04
Hexane, n-	-6.57E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	-9.00E-07	-1.71E-07	-9.00E-07
Phenol	1.13E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	5.42E-05	1.03E-05	5.42E-05
Propylene	5.81E-02	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	1.86E-05	3.54E-06	1.86E-05
Styrene	4.31E-03	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	4.59E-06	8.75E-07	4.59E-06
Toluene	-1.36E-02	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	-4.36E-05	-8.30E-06	-4.36E-05
Xylene (total)	-1.27E-02	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	-1.74E-05	-3.32E-06	-1.74E-05
Chlorine	-1.13E-04	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	-5.43E-04	-1.03E-04	-5.43E-04
Chromium (VI)	7.93E-07	1.20E-02	1.50E-01	1.00E-01	2.00E-01	9.77E-09	1.86E-09	1.79E-08	3.80E-06	7.24E-07	3.80E-06
Copper	2.40E-06	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC
Lead	7.05E-06	NA	1.20E-05	NA	NA	6.95E-12	1.32E-12	1.27E-11	NC	NC	NC
Manganese	3.04E-06	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	3.24E-05	6.16E-06	3.24E-05
Nickel	-8.09E-07	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-1.73E-11	-3.29E-12	-3.17E-11	-1.55E-05	-2.96E-06	-1.55E-05
Diesel PM	6.12E-02	3.00E-04	3.00E-04	5.00E+00	5.00E+00	1.51E-06	2.87E-07	2.77E-06	1.17E-02	2.24E-03	1.17E-02
					TOTAL	**2.0E-06**	**3.9E-07**	**3.7E-06**	**0.14**	**0.026**	**0.14**

[1] Residential Maximum Grid No. **7**

NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 4-10B
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 7, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Residential Hazards[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Exposure Time	24 (hrs/day)	8 (hrs/day)	24 (hrs/day)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Exposure Duration	6 (years)	6 (years)	11 (years)
Averaging Time (non-carcinogenic)	52560 (hrs)	52560 (hrs)	96360 (hrs)
Averaging Time (carcinogenic)	613200 (hrs)	613200 (hrs)	613200 (hrs)

RAGS F Equations

EC = (CA x ET x EF x ED) / (AT)
Risk = IUR x EC
HQ = EC / REL

Where:
BW = Body Weight
IUR = Inhalation Unit Risk
SFi = Inhalation Slope Factor
REL = Reference Exposure Level
EC = Exposure Concentration
AT = Averaging Time (for cancer or non-ca

	Toxicity Criteria					Cancer Risks			Hazard Quotients		
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfDi (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	2.19E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	4.85E-08	9.24E-09	8.90E-08	1.50E-03	2.85E-04	1.50E-03
Acrolein	1.25E-01	NA	NA	2.00E-02	3.50E-01	NC	NC	NC	3.42E-01	6.52E-02	3.42E-01
Benzene	9.06E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	2.16E-07	4.11E-08	3.96E-07	1.45E-03	2.76E-04	1.45E-03
1,3-Butadiene	8.75E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	1.22E-06	2.33E-07	2.24E-06	4.19E-03	7.99E-04	4.19E-03
Ethylbenzene	9.49E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	1.95E-09	3.72E-10	3.58E-09	4.55E-06	8.67E-07	4.55E-06
Formaldehyde	6.28E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	3.10E-07	5.90E-08	5.68E-07	6.69E-02	1.27E-02	6.69E-02
Methyl alcohol	9.24E-02	NA	NA	4.00E+03	4.00E+03	NC	NC	NC	2.22E-05	4.22E-06	2.22E-05
Methyl ethyl ketone	9.69E-05	NA	NA	5.00E+03	NA	NC	NC	NC	1.86E-08	3.54E-09	1.86E-08
Naphthalene	2.78E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	7.76E-08	1.48E-08	1.42E-07	2.96E-03	5.64E-04	2.96E-03
Hexane, n-	-3.36E-03	NA	NA	7.00E+02	7.00E+03	NC	NC	NC	-4.60E-07	-8.77E-08	-4.60E-07
Phenol	3.72E-02	NA	NA	2.00E+02	2.00E+02	NC	NC	NC	1.78E-04	3.40E-05	1.78E-04
Propylene	2.29E-01	NA	NA	3.00E+03	3.00E+03	NC	NC	NC	7.33E-05	1.40E-05	7.33E-05
Styrene	1.59E-02	NA	NA	1.00E+03	9.00E+02	NC	NC	NC	1.70E-05	3.23E-06	1.70E-05
Toluene	3.17E-02	NA	NA	5.00E+03	3.00E+02	NC	NC	NC	1.01E-04	1.93E-05	1.01E-04
Xylene (total)	2.45E-02	NA	NA	1.00E+02	7.00E+02	NC	NC	NC	3.36E-05	6.40E-06	3.36E-05
Chlorine	-8.22E-05	NA	NA	1.50E-01	2.00E-01	NC	NC	NC	-3.94E-04	-7.51E-05	-3.94E-04
Chromium (VI)	2.95E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	3.64E-08	6.93E-09	6.67E-08	1.42E-05	2.70E-06	1.42E-05
Copper	1.09E-05	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC
Lead	2.52E-05	NA	1.20E-05	NA	NA	2.49E-11	4.74E-12	4.56E-11	NC	NC	NC
Manganese	1.32E-05	NA	NA	5.00E-02	9.00E-02	NC	NC	NC	1.40E-04	2.67E-05	1.40E-04
Nickel	-5.87E-07	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-1.25E-11	-2.39E-12	-2.30E-11	-1.13E-05	-2.14E-06	-1.13E-05
Diesel PM	-8.84E-02	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-2.18E-06	-4.15E-07	-4.00E-06	-1.70E-02	-3.23E-03	-1.70E-02
					TOTAL	**-2.7E-07**	**-5.1E-08**	**-4.9E-07**	**0.40**	**0.077**	**0.40**

[1] Residential Maximum Grid No. **81**

NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 4-10C
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 7, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Commercial Cancer Risks[1])

Exposure Parameters	Adult Worker	RAGS F Equations		
Exposure Time	10 (hrs/day)	EC = (CA x ET x EF x ED) / (AT)		
Exposure Frequency	245 (days/year)	Risk = IUR x EC		
Exposure Duration	11 (years)	HQ = EC / REL		
Averaging Time (non-carcinogenic)	96360 (hrs)	Where:	BW = Body Weight	REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200 (hrs)		IUR = Inhalation Unit Risk	EC = Exposure Concentration
			SFi = Inhalation Slope Factor	AT = Averaging Time (for cancer or non-cancer)

		Toxicity Criteria				Cancer Risks	Hazard Quotients
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Adult Worker	Hazard Quotient Adult Worker
Acetaldehyde	1.48E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	1.75E-08	2.95E-04
Acrolein	8.52E-02	NA	NA	2.00E-02	3.50E-01	NC	6.81E-02
Benzene	3.40E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	4.34E-08	1.59E-04
1,3-Butadiene	5.38E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	4.02E-07	7.52E-04
Ethylbenzene	-3.73E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-4.10E-10	-5.21E-07
Formaldehyde	4.20E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	1.11E-07	1.31E-02
Methyl alcohol	6.24E-02	NA	NA	4.00E+03	4.00E+03	NC	4.36E-06
Methyl ethyl ketone	-2.25E-04	NA	NA	5.00E+03	NA	NC	-1.26E-08
Naphthalene	1.86E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	2.77E-08	5.77E-04
Hexane, n-	-1.24E-02	NA	NA	7.00E+02	7.00E+03	NC	-4.96E-07
Phenol	2.55E-02	NA	NA	2.00E+02	2.00E+02	NC	3.57E-05
Propylene	1.33E-01	NA	NA	3.00E+03	3.00E+03	NC	1.24E-05
Styrene	9.71E-03	NA	NA	1.00E+03	9.00E+02	NC	3.02E-06
Toluene	-2.88E-02	NA	NA	5.00E+03	3.00E+02	NC	-2.68E-05
Xylene (total)	-2.87E-02	NA	NA	1.00E+02	7.00E+02	NC	-1.15E-05
Chlorine	1.32E-03	NA	NA	1.50E-01	2.00E-01	NC	1.85E-03
Chromium (VI)	2.80E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	1.84E-08	3.91E-06
Copper	1.84E-05	NA	NA	NA	NA	NC	NC
Lead	1.97E-05	NA	1.20E-05	NA	NA	1.04E-11	NC
Manganese	2.02E-05	NA	NA	5.00E-02	9.00E-02	NC	6.27E-05
Nickel	9.45E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	1.08E-10	5.29E-05
Diesel PM	-3.55E-02	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-4.69E-07	-1.99E-03
					TOTAL	**1.5E-07**	**0.083**

[1] **Commercial Maximum Grid No.** **193** Note that this is not the same as the Peak Location of Commercial Hazards, Grid No. **236**

NA = Not Available
NC = Not Calculated

ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 4-10D
RAGS F Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 7, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
Adjusted 11-Year Construction Emissions
(Based on Peak Location of Commercial Hazards[1])

Exposure Parameters	Adult Worker		RAGS F Equations		
Exposure Time	10	(hrs/day)	EC = (CA x ET x EF x ED) / (AT)		
Exposure Frequency	245	(days/year)	Risk = IUR x EC		
Exposure Duration	11	(years)	HQ = EC / REL		
Averaging Time (non-carcinogenic)	96360	(hrs)	Where:	BW = Body Weight	REL = Reference Exposure Level
Averaging Time (carcinogenic)	613200	(hrs)		IUR = Inhalation Unit Risk	EC = Exposure Concentration
				SFi = Inhalation Slope Factor	AT = Averaging Time (for cancer or non-cancer)

		Toxicity Criteria				Cancer Risks	Hazard Quotients
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(ug/m^3)^{-1}$	CalEPA Inhalation Slope Factor $(ug/m^3)^{-1}$	EPA RfC (ug/m^3)	CalEPA Proposed REL (ug/m^3)	Cancer Risk to Adult Worker	Hazard Quotient Adult Worker
Acetaldehyde	2.51E-01	2.20E-06	2.70E-06	9.00E+00	1.40E+02	2.98E-08	5.01E-04
Acrolein	1.45E-01	NA	NA	2.00E-02	3.50E-01	NC	1.16E-01
Benzene	4.86E-02	7.80E-06	2.90E-05	3.00E+01	6.00E+01	6.20E-08	2.27E-04
1,3-Butadiene	8.91E-02	3.00E-05	1.70E-04	2.00E+00	2.00E+01	6.66E-07	1.25E-03
Ethylbenzene	-8.21E-03	2.50E-06	2.50E-06	1.00E+03	2.00E+03	-9.02E-10	-1.15E-06
Formaldehyde	7.16E-01	1.30E-05	6.00E-06	9.80E+00	9.00E+00	1.89E-07	2.23E-02
Methyl alcohol	1.06E-01	NA	NA	4.00E+03	4.00E+03	NC	7.40E-06
Methyl ethyl ketone	-5.45E-04	NA	NA	5.00E+03	NA	NC	-3.05E-08
Naphthalene	3.14E-02	3.40E-05	3.40E-05	3.00E+00	9.00E+00	4.69E-08	9.75E-04
Hexane, n-	-1.75E-02	NA	NA	7.00E+02	7.00E+03	NC	-7.01E-07
Phenol	4.33E-02	NA	NA	2.00E+02	2.00E+02	NC	6.05E-05
Propylene	2.28E-01	NA	NA	3.00E+03	3.00E+03	NC	2.12E-05
Styrene	1.62E-02	NA	NA	1.00E+03	9.00E+02	NC	5.04E-06
Toluene	-5.26E-02	NA	NA	5.00E+03	3.00E+02	NC	-4.90E-05
Xylene (total)	-5.57E-02	NA	NA	1.00E+02	7.00E+02	NC	-2.22E-05
Chlorine	-2.37E-04	NA	NA	1.50E-01	2.00E-01	NC	-3.31E-04
Chromium (VI)	5.31E-06	1.20E-02	1.50E-01	1.00E-01	2.00E-01	3.50E-08	7.42E-06
Copper	1.91E-05	NA	NA	NA	NA	NC	NC
Lead	4.56E-05	NA	1.20E-05	NA	NA	2.41E-11	NC
Manganese	2.32E-05	NA	NA	5.00E-02	9.00E-02	NC	7.21E-05
Nickel	-1.69E-06	2.40E-04	2.60E-04	5.00E-02	5.00E-02	-1.93E-11	-9.47E-06
Diesel PM	-2.71E-01	3.00E-04	3.00E-04	5.00E+00	5.00E+00	-3.57E-06	-1.51E-02
					TOTAL	**-2.5E-06**	**0.13**

[1] Commercial Maximum Grid No. **236**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Attachment 5

Cancer Risk and Chronic Non-cancer Health Hazard Calculations (RAGS Part A)

Table 5-1A
RAGS A Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 1, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
(Based on Peak Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Inhalation rate	15 (m^3/day)	6 (m^3/day)	20 (m^3/day)
Exposure Duration	6 (years)	6 (years)	70 (years)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Body Weight	15 (kg)	40 (kg)	70 (kg)
Averaging Time (non-carcinogenic)	2190 (d)	2190 (d)	25550 (d)
Averaging Time (carcinogenic)	25550 (d)	25550 (d)	25550 (d)
Conversion Factor	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)

RAGS A Inhalation Equations

CDI = (CA x CF x IR x EF x ED) / (BW AT)
Risk = SFi x CDI
HQ =CDI / REL

Where:
CDI = Chronic Daily Intake
CA = Concentration in Air
CF = Conversion Factor
IR = Inhalation Rate
EF = Exposure Frequency
ED = Exposure Duration
ET = Exposure Time

		Toxicity Criteria				Cancer Risks				Hazard Quotients		
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	CalEPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	EPA RfDi (mg/kg-d)	CalEPA Proposed REL (mg/kg-d)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult+Child Resident	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	1.87E-02	7.70E-03	1.00E-02	2.57E-03	4.00E-02	1.53E-08	1.31E-09	6.20E-08	5.11E-08	4.47E-04	3.83E-05	1.28E-04
Acrolein	1.07E-02	NA	NA	5.71E-06	1.00E-04	NC	NC	NC	NC	1.03E-01	8.83E-03	2.94E-02
Benzene	4.30E-03	7.70E-03	1.00E-01	8.57E-03	1.71E-02	3.54E-08	3.03E-09	1.43E-07	1.18E-07	2.41E-04	2.06E-05	6.88E-05
1,3-Butadiene	6.80E-03	1.05E-01	6.00E-01	5.71E-04	5.71E-03	3.35E-07	2.87E-08	1.36E-06	1.12E-06	1.14E-03	9.78E-05	3.26E-04
Ethylbenzene	-5.29E-04	8.75E-03	8.70E-03	2.86E-01	5.71E-01	-3.78E-10	-3.24E-11	-1.53E-09	-1.26E-09	-8.88E-07	-7.61E-08	-2.54E-07
Formaldehyde	5.29E-02	4.55E-02	2.10E-02	2.80E-03	2.57E-03	9.13E-08	7.82E-09	3.69E-07	3.04E-07	1.97E-02	1.69E-03	5.63E-03
Methyl alcohol	7.87E-03	NA	NA	1.14E+00	1.14E+00	NC	NC	NC	NC	6.61E-06	5.66E-07	1.89E-06
Methyl ethyl ketone	-2.55E-05	NA	NA	1.43E+00	NA	NC	NC	NC	NC	-1.71E-08	-1.46E-09	-4.88E-09
Naphthalene	2.35E-03	1.19E-01	1.20E-01	8.57E-04	2.57E-03	2.31E-08	1.98E-09	9.36E-08	7.71E-08	8.75E-04	7.50E-05	2.50E-04
Hexane, n-	-1.85E-03	NA	NA	2.00E-01	2.00E+00	NC	NC	NC	NC	-8.87E-07	-7.60E-08	-2.53E-07
Phenol	3.23E-03	NA	NA	5.71E-02	5.71E-02	NC	NC	NC	NC	5.41E-05	4.64E-06	1.55E-05
Propylene	1.65E-02	NA	NA	8.57E-01	8.57E-01	NC	NC	NC	NC	1.85E-05	1.58E-06	5.27E-06
Styrene	1.22E-03	NA	NA	2.86E-01	2.57E-01	NC	NC	NC	NC	4.55E-06	3.90E-07	1.30E-06
Toluene	-4.15E-03	NA	NA	1.43E+00	8.57E-02	NC	NC	NC	NC	-4.65E-05	-3.98E-06	-1.33E-05
Xylene (total)	-3.94E-03	NA	NA	2.86E-02	2.00E-01	NC	NC	NC	NC	-1.89E-05	-1.62E-06	-5.39E-06
Chlorine	-2.35E-05	NA	NA	4.29E-05	5.71E-05	NC	NC	NC	NC	-3.94E-04	-3.38E-05	-1.13E-04
Chromium (VI)	2.62E-07	4.20E+01	5.10E+02	2.86E-05	5.71E-05	1.10E-08	9.41E-10	4.44E-08	3.66E-08	4.40E-06	3.77E-07	1.26E-06
Copper	8.72E-07	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC
Lead	2.29E-06	NA	4.20E-02	NA	NA	7.90E-12	6.77E-13	3.20E-11	2.63E-11	NC	NC	NC
Manganese	1.08E-06	NA	NA	1.43E-05	2.57E-05	NC	NC	NC	NC	4.03E-05	3.45E-06	1.15E-05
Nickel	-1.68E-07	8.40E-01	9.10E-01	1.43E-05	1.43E-05	-1.25E-11	-1.07E-12	-5.07E-11	-4.18E-11	-1.13E-05	-9.64E-07	-3.21E-06
Diesel PM	-3.43E-02	NA	1.10E+00	1.43E-03	1.43E-03	-3.10E-06	-2.66E-07	-1.25E-05	-1.03E-05	-2.30E-02	-1.97E-03	-6.57E-03
					TOTAL	**-2.6E-06**	**-2.2E-07**	**-1.0E-05**	**-8.6E-06**	**0.10**	**0.009**	**0.029**

[1] Residential Maximum Grid No. 28
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 5-1B
RAGS A Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 1, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
(Based on Peak Location of Residential Hazards[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Inhalation rate	15 (m^3/day)	6 (m^3/day)	20 (m^3/day)
Exposure Duration	6 (years)	6 (years)	70 (years)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Body Weight	15 (kg)	40 (kg)	70 (kg)
Averaging Time (non-carcinogenic)	2190 (d)	2190 (d)	25550 (d)
Averaging Time (carcinogenic)	25550 (d)	25550 (d)	25550 (d)
Conversion Factor	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)

RAGS A Inhalation Equations

CDI = (CA x CF x IR x EF x ED) / (BW AT)
Risk = SFi x CDI
HQ =CDI / REL

Where:
CDI = Chronic Daily Intake
CA = Concentration in Air
CF = Conversion Factor
IR = Inhalation Rate
EF = Exposure Frequency
ED = Exposure Duration
ET = Exposure Time

		Toxicity Criteria				Cancer Risks				Hazard Quotients		
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	CalEPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	EPA RfDi (mg/kg-d)	CalEPA Proposed REL (mg/kg-d)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult+Child Resident	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	2.54E-01	7.70E-03	1.00E-02	2.57E-03	4.00E-02	2.09E-07	1.79E-08	8.46E-07	6.97E-07	6.10E-03	5.23E-04	1.74E-03
Acrolein	1.45E-01	NA	NA	5.71E-06	1.00E-04	NC	NC	NC	NC	1.39E+00	1.19E-01	3.98E-01
Benzene	1.06E-01	7.70E-03	1.00E-01	8.57E-03	1.71E-02	8.73E-07	7.49E-08	3.53E-06	2.91E-06	5.94E-03	5.09E-04	1.70E-03
1,3-Butadiene	1.02E-01	1.05E-01	6.00E-01	5.71E-04	5.71E-03	5.02E-06	4.31E-07	2.03E-05	1.67E-05	1.71E-02	1.47E-03	4.88E-03
Ethylbenzene	1.15E-02	8.75E-03	8.70E-03	2.86E-01	5.71E-01	8.23E-09	7.06E-10	3.33E-08	2.74E-08	1.93E-05	1.66E-06	5.52E-06
Formaldehyde	7.31E-01	4.55E-02	2.10E-02	2.80E-03	2.57E-03	1.26E-06	1.08E-07	5.10E-06	4.20E-06	2.72E-01	2.34E-02	7.78E-02
Methyl alcohol	1.07E-01	NA	NA	1.14E+00	1.14E+00	NC	NC	NC	NC	9.02E-05	7.73E-06	2.58E-05
Methyl ethyl ketone	1.17E-04	NA	NA	1.43E+00	NA	NC	NC	NC	NC	7.85E-08	6.73E-09	2.24E-08
Naphthalene	3.23E-02	1.19E-01	1.20E-01	8.57E-04	2.57E-03	3.19E-07	2.73E-08	1.29E-06	1.06E-06	1.20E-02	1.03E-03	3.44E-03
Hexane, n-	-2.98E-03	NA	NA	2.00E-01	2.00E+00	NC	NC	NC	NC	-1.43E-06	-1.22E-07	-4.08E-07
Phenol	4.33E-02	NA	NA	5.71E-02	5.71E-02	NC	NC	NC	NC	7.26E-04	6.22E-05	2.07E-04
Propylene	2.68E-01	NA	NA	8.57E-01	8.57E-01	NC	NC	NC	NC	3.00E-04	2.57E-05	8.58E-05
Styrene	1.85E-02	NA	NA	2.86E-01	2.57E-01	NC	NC	NC	NC	6.92E-05	5.93E-06	1.98E-05
Toluene	3.97E-02	NA	NA	1.43E+00	8.57E-02	NC	NC	NC	NC	4.44E-04	3.80E-05	1.27E-04
Xylene (total)	3.08E-02	NA	NA	2.86E-02	2.00E-01	NC	NC	NC	NC	1.48E-04	1.26E-05	4.21E-05
Chlorine	-8.22E-05	NA	NA	4.29E-05	5.71E-05	NC	NC	NC	NC	-1.38E-03	-1.18E-04	-3.94E-04
Chromium (VI)	3.47E-06	4.20E+01	5.10E+02	2.86E-05	5.71E-05	1.46E-07	1.25E-08	5.90E-07	4.85E-07	5.83E-05	5.00E-06	1.67E-05
Copper	1.29E-05	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC
Lead	2.96E-05	NA	4.20E-02	NA	NA	1.02E-10	8.77E-12	4.14E-10	3.41E-10	NC	NC	NC
Manganese	1.56E-05	NA	NA	1.43E-05	2.57E-05	NC	NC	NC	NC	5.81E-04	4.98E-05	1.66E-04
Nickel	-5.87E-07	8.40E-01	9.10E-01	1.43E-05	1.43E-05	-4.39E-11	-3.76E-12	-1.78E-10	-1.46E-10	-3.94E-05	-3.38E-06	-1.13E-05
Diesel PM	-1.19E-01	NA	1.10E+00	1.43E-03	1.43E-03	-1.08E-05	-9.26E-07	-4.37E-05	-3.60E-05	-8.02E-02	-6.87E-03	-2.29E-02
					TOTAL	**-3.0E-06**	**-2.5E-07**	**-1.2E-05**	**-9.9E-06**	**1.6**	**0.14**	**0.5**

[1] Residential Maximum Grid No. 81
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 5-1C
RAGS A Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 1, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
(Based on Peak Location of Commercial Cancer Risks[1])

Exposure Parameters	Adult Worker
Inhalation rate	10 (m^3/day)
Exposure Duration	40 (years)
Exposure Frequency	245 (days/year)
Body Weight	70 (kg)
Averaging Time (non-carcinogenic)	14600 (d)
Averaging Time (carcinogenic)	25550 (d)
Conversion Factor	1.00E-03 (mg/ug)

RAGS A Inhalation Equations

CDI = (CA x CF x IR x EF x ED) / (BW AT)
Risk = SFi x CDI
HQ =CDI / REL

Where:
CDI = Chronic Daily Intake
CA = Concentration in Air
CF = Conversion Factor
IR = Inhalation Rate
EF = Exposure Frequency
ED = Exposure Duration
ET = Exposure Time

		Toxicity Criteria				Cancer Risks	Hazard Quotients
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	CalEPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	EPA RfDi (mg/kg-d)	CalEPA Proposed REL (mg/kg-d)	Cancer Risk to Adult Worker	Hazard Quotient Adult Worker
Acetaldehyde	1.94E-02	7.70E-03	1.00E-02	2.57E-03	4.00E-02	1.10E-08	4.82E-05
Acrolein	1.16E-02	NA	NA	5.71E-06	1.00E-04	NC	1.15E-02
Benzene	-1.02E-02	7.70E-03	1.00E-01	8.57E-03	1.71E-02	-5.81E-08	-5.93E-05
1,3-Butadiene	4.13E-03	1.05E-01	6.00E-01	5.71E-04	5.71E-03	1.41E-07	7.21E-05
Ethylbenzene	-5.83E-03	8.75E-03	8.70E-03	2.86E-01	5.71E-01	-2.89E-09	-1.02E-06
Formaldehyde	5.33E-02	4.55E-02	2.10E-02	2.80E-03	2.57E-03	6.37E-08	2.07E-03
Methyl alcohol	8.12E-03	NA	NA	1.14E+00	1.14E+00	NC	7.09E-07
Methyl ethyl ketone	-1.91E-04	NA	NA	1.43E+00	NA	NC	-1.34E-08
Naphthalene	2.32E-03	1.19E-01	1.20E-01	8.57E-04	2.57E-03	1.58E-08	8.98E-05
Hexane, n-	-6.50E-03	NA	NA	2.00E-01	2.00E+00	NC	-3.24E-07
Phenol	3.52E-03	NA	NA	5.71E-02	5.71E-02	NC	6.15E-06
Propylene	6.57E-03	NA	NA	8.57E-01	8.57E-01	NC	7.64E-07
Styrene	7.16E-04	NA	NA	2.86E-01	2.57E-01	NC	2.78E-07
Toluene	-2.97E-02	NA	NA	1.43E+00	8.57E-02	NC	-3.46E-05
Xylene (total)	-2.74E-02	NA	NA	2.86E-02	2.00E-01	NC	-1.37E-05
Chlorine	-2.55E-04	NA	NA	4.29E-05	5.71E-05	NC	-4.45E-04
Chromium (VI)	6.06E-08	4.20E+01	5.10E+02	2.86E-05	5.71E-05	1.76E-09	1.06E-07
Copper	-1.24E-06	NA	NA	NA	NA	NC	NC
Lead	1.28E-06	NA	4.20E-02	NA	NA	3.07E-12	NC
Manganese	-1.12E-06	NA	NA	1.43E-05	2.57E-05	NC	-4.34E-06
Nickel	-1.82E-06	8.40E-01	9.10E-01	1.43E-05	1.43E-05	-9.44E-11	-1.27E-05
Diesel PM	-1.02E-01	NA	1.10E+00	1.43E-03	1.43E-03	-6.41E-06	-7.14E-03
					TOTAL	**-6.2E-06**	**0.006**

[1] Commercial Maximum Grid No. **266**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 5-2A
RAGS A Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 2, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
(Based on Peak Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Inhalation rate	15 (m^3/day)	6 (m^3/day)	20 (m^3/day)
Exposure Duration	6 (years)	6 (years)	70 (years)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Body Weight	15 (kg)	40 (kg)	70 (kg)
Averaging Time (non-carcinogenic)	2190 (d)	2190 (d)	25550 (d)
Averaging Time (carcinogenic)	25550 (d)	25550 (d)	25550 (d)
Conversion Factor	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)

RAGS A Inhalation Equations

CDI = (CA x CF x IR x EF x ED) / (BW AT)
Risk = SFi x CDI
HQ =CDI / REL

Where:
CDI = Chronic Daily Intake
CA = Concentration in Air
CF = Conversion Factor
IR = Inhalation Rate
EF = Exposure Frequency
ED = Exposure Duration
ET = Exposure Time

		Toxicity Criteria				Cancer Risks				Hazard Quotients		
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	CalEPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	EPA RfDi (mg/kg-d)	CalEPA Proposed REL (mg/kg-d)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult+Child Resident	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	1.70E-02	7.70E-03	1.00E-02	2.57E-03	4.00E-02	1.40E-08	1.20E-09	5.67E-08	4.67E-08	4.08E-04	3.50E-05	1.17E-04
Acrolein	9.84E-03	NA	NA	5.71E-06	1.00E-04	NC	NC	NC	NC	9.43E-02	8.09E-03	2.70E-02
Benzene	2.84E-03	7.70E-03	1.00E-01	8.57E-03	1.71E-02	2.33E-08	2.00E-09	9.45E-08	7.78E-08	1.59E-04	1.36E-05	4.54E-05
1,3-Butadiene	5.99E-03	1.05E-01	6.00E-01	5.71E-04	5.71E-03	2.95E-07	2.53E-08	1.20E-06	9.85E-07	1.01E-03	8.62E-05	2.87E-04
Ethylbenzene	-8.77E-04	8.75E-03	8.70E-03	2.86E-01	5.71E-01	-6.27E-10	-5.37E-11	-2.54E-09	-2.09E-09	-1.47E-06	-1.26E-07	-4.20E-07
Formaldehyde	4.82E-02	4.55E-02	2.10E-02	2.80E-03	2.57E-03	8.31E-08	7.13E-09	3.36E-07	2.77E-07	1.80E-02	1.54E-03	5.13E-03
Methyl alcohol	7.19E-03	NA	NA	1.14E+00	1.14E+00	NC	NC	NC	NC	6.03E-06	5.17E-07	1.72E-06
Methyl ethyl ketone	-3.54E-05	NA	NA	1.43E+00	NA	NC	NC	NC	NC	-2.38E-08	-2.04E-09	-6.79E-09
Naphthalene	2.13E-03	1.19E-01	1.20E-01	8.57E-04	2.57E-03	2.10E-08	1.80E-09	8.52E-08	7.01E-08	7.95E-04	6.82E-05	2.27E-04
Hexane, n-	-2.04E-03	NA	NA	2.00E-01	2.00E+00	NC	NC	NC	NC	-9.77E-07	-8.37E-08	-2.79E-07
Phenol	2.96E-03	NA	NA	5.71E-02	5.71E-02	NC	NC	NC	NC	4.97E-05	4.26E-06	1.42E-05
Propylene	1.43E-02	NA	NA	8.57E-01	8.57E-01	NC	NC	NC	NC	1.60E-05	1.37E-06	4.56E-06
Styrene	1.07E-03	NA	NA	2.86E-01	2.57E-01	NC	NC	NC	NC	4.00E-06	3.43E-07	1.14E-06
Toluene	-5.69E-03	NA	NA	1.43E+00	8.57E-02	NC	NC	NC	NC	-6.37E-05	-5.46E-06	-1.82E-05
Xylene (total)	-5.34E-03	NA	NA	2.86E-02	2.00E-01	NC	NC	NC	NC	-2.56E-05	-2.19E-06	-7.31E-06
Chlorine	-2.35E-05	NA	NA	4.29E-05	5.71E-05	NC	NC	NC	NC	-3.94E-04	-3.38E-05	-1.13E-04
Chromium (VI)	2.15E-07	4.20E+01	5.10E+02	2.86E-05	5.71E-05	9.02E-09	7.73E-10	3.65E-08	3.01E-08	3.61E-06	3.09E-07	1.03E-06
Copper	6.92E-07	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC
Lead	1.89E-06	NA	4.20E-02	NA	NA	6.53E-12	5.59E-13	2.64E-11	2.18E-11	NC	NC	NC
Manganese	8.64E-07	NA	NA	1.43E-05	2.57E-05	NC	NC	NC	NC	3.22E-05	2.76E-06	9.20E-06
Nickel	-1.68E-07	8.40E-01	9.10E-01	1.43E-05	1.43E-05	-1.25E-11	-1.07E-12	-5.07E-11	-4.18E-11	-1.13E-05	-9.64E-07	-3.21E-06
Diesel PM	-3.63E-02	NA	1.10E+00	1.43E-03	1.43E-03	-3.29E-06	-2.82E-07	-1.33E-05	-1.10E-05	-2.44E-02	-2.09E-03	-6.97E-03
					TOTAL	**-2.8E-06**	**-2.4E-07**	**-1.1E-05**	**-9.5E-06**	**0.09**	**0.008**	**0.026**

[1] Residential Maximum Grid No. 28
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 5-2B
RAGS A Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 2, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
(Based on Peak Location of Residential Hazards[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Inhalation rate	15 (m^3/day)	6 (m^3/day)	20 (m^3/day)
Exposure Duration	6 (years)	6 (years)	70 (years)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Body Weight	15 (kg)	40 (kg)	70 (kg)
Averaging Time (non-carcinogenic)	2190 (d)	2190 (d)	25550 (d)
Averaging Time (carcinogenic)	25550 (d)	25550 (d)	25550 (d)
Conversion Factor	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)

RAGS A Inhalation Equations

CDI = (CA x CF x IR x EF x ED) / (BW AT)
Risk = SFi x CDI
HQ =CDI / REL

Where:
CDI = Chronic Daily Intake
CA = Concentration in Air
CF = Conversion Factor
IR = Inhalation Rate
EF = Exposure Frequency
ED = Exposure Duration
ET = Exposure Time

		Toxicity Criteria				Cancer Risks				Hazard Quotients		
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	CalEPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	EPA RfDi (mg/kg-d)	CalEPA Proposed REL (mg/kg-d)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult+Child Resident	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	1.79E-01	7.70E-03	1.00E-02	2.57E-03	4.00E-02	1.47E-07	1.26E-08	5.94E-07	4.89E-07	4.28E-03	3.67E-04	1.22E-03
Acrolein	1.02E-01	NA	NA	5.71E-06	1.00E-04	NC	NC	NC	NC	9.77E-01	8.37E-02	2.79E-01
Benzene	7.75E-02	7.70E-03	1.00E-01	8.57E-03	1.71E-02	6.37E-07	5.46E-08	2.58E-06	2.12E-06	4.33E-03	3.71E-04	1.24E-03
1,3-Butadiene	7.21E-02	1.05E-01	6.00E-01	5.71E-04	5.71E-03	3.56E-06	3.05E-07	1.44E-05	1.19E-05	1.21E-02	1.04E-03	3.46E-03
Ethylbenzene	8.78E-03	8.75E-03	8.70E-03	2.86E-01	5.71E-01	6.28E-09	5.38E-10	2.54E-08	2.09E-08	1.47E-05	1.26E-06	4.21E-06
Formaldehyde	5.12E-01	4.55E-02	2.10E-02	2.80E-03	2.57E-03	8.84E-07	7.58E-08	3.58E-06	2.95E-06	1.91E-01	1.64E-02	5.46E-02
Methyl alcohol	7.55E-02	NA	NA	1.14E+00	1.14E+00	NC	NC	NC	NC	6.33E-05	5.43E-06	1.81E-05
Methyl ethyl ketone	1.30E-04	NA	NA	1.43E+00	NA	NC	NC	NC	NC	8.70E-08	7.45E-09	2.48E-08
Naphthalene	2.27E-02	1.19E-01	1.20E-01	8.57E-04	2.57E-03	2.24E-07	1.92E-08	9.07E-07	7.47E-07	8.47E-03	7.26E-04	2.42E-03
Hexane, n-	-2.75E-03	NA	NA	2.00E-01	2.00E+00	NC	NC	NC	NC	-1.32E-06	-1.13E-07	-3.77E-07
Phenol	3.04E-02	NA	NA	5.71E-02	5.71E-02	NC	NC	NC	NC	5.10E-04	4.37E-05	1.46E-04
Propylene	1.88E-01	NA	NA	8.57E-01	8.57E-01	NC	NC	NC	NC	2.11E-04	1.81E-05	6.02E-05
Styrene	1.31E-02	NA	NA	2.86E-01	2.57E-01	NC	NC	NC	NC	4.89E-05	4.19E-06	1.40E-05
Toluene	2.99E-02	NA	NA	1.43E+00	8.57E-02	NC	NC	NC	NC	3.34E-04	2.87E-05	9.55E-05
Xylene (total)	2.43E-02	NA	NA	2.86E-02	2.00E-01	NC	NC	NC	NC	1.17E-04	1.00E-05	3.33E-05
Chlorine	-8.22E-05	NA	NA	4.29E-05	5.71E-05	NC	NC	NC	NC	-1.38E-03	-1.18E-04	-3.94E-04
Chromium (VI)	2.52E-06	4.20E+01	5.10E+02	2.86E-05	5.71E-05	1.06E-07	9.07E-09	4.28E-07	3.53E-07	4.24E-05	3.63E-06	1.21E-05
Copper	9.24E-06	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC
Lead	2.16E-05	NA	4.20E-02	NA	NA	7.46E-11	6.39E-12	3.02E-10	2.49E-10	NC	NC	NC
Manganese	1.12E-05	NA	NA	1.43E-05	2.57E-05	NC	NC	NC	NC	4.18E-04	3.58E-05	1.19E-04
Nickel	-5.87E-07	8.40E-01	9.10E-01	1.43E-05	1.43E-05	-4.39E-11	-3.76E-12	-1.78E-10	-1.46E-10	-3.94E-05	-3.38E-06	-1.13E-05
Diesel PM	-1.25E-01	NA	1.10E+00	1.43E-03	1.43E-03	-1.13E-05	-9.68E-07	-4.57E-05	-3.77E-05	-8.39E-02	-7.19E-03	-2.40E-02
					TOTAL	**-5.7E-06**	**-4.9E-07**	**-2.3E-05**	**-1.9E-05**	**1.1**	**0.10**	**0.3**

[1] Residential Maximum Grid No. 81
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 5-2C
RAGS A Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 2, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
(Based on Peak Location of Commercial Cancer Risks[1])

Exposure Parameters	Adult Worker
Inhalation rate	10 (m^3/day)
Exposure Duration	40 (years)
Exposure Frequency	245 (days/year)
Body Weight	70 (kg)
Averaging Time (non-carcinogenic)	14600 (d)
Averaging Time (carcinogenic)	25550 (d)
Conversion Factor	1.00E-03 (mg/ug)

RAGS A Inhalation Equations

CDI = (CA x CF x IR x EF x ED) / (BW AT)
Risk = SFi x CDI
HQ =CDI / REL

Where:
CDI = Chronic Daily Intake
CA = Concentration in Air
CF = Conversion Factor
IR = Inhalation Rate
EF = Exposure Frequency
ED = Exposure Duration
ET = Exposure Time

		Toxicity Criteria				Cancer Risks	Hazard Quotients
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	CalEPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	EPA RfDi (mg/kg-d)	CalEPA Proposed REL (mg/kg-d)	Cancer Risk to Adult Worker	Hazard Quotient Adult Worker
Acetaldehyde	1.71E-02	7.70E-03	1.00E-02	2.57E-03	4.00E-02	9.73E-09	4.26E-05
Acrolein	1.03E-02	NA	NA	5.71E-06	1.00E-04	NC	1.03E-02
Benzene	-1.20E-02	7.70E-03	1.00E-01	8.57E-03	1.71E-02	-6.84E-08	-6.98E-05
1,3-Butadiene	3.05E-03	1.05E-01	6.00E-01	5.71E-04	5.71E-03	1.04E-07	5.32E-05
Ethylbenzene	-6.23E-03	8.75E-03	8.70E-03	2.86E-01	5.71E-01	-3.09E-09	-1.09E-06
Formaldehyde	4.67E-02	4.55E-02	2.10E-02	2.80E-03	2.57E-03	5.58E-08	1.81E-03
Methyl alcohol	7.16E-03	NA	NA	1.14E+00	1.14E+00	NC	6.25E-07
Methyl ethyl ketone	-2.02E-04	NA	NA	1.43E+00	NA	NC	-1.41E-08
Naphthalene	2.02E-03	1.19E-01	1.20E-01	8.57E-04	2.57E-03	1.38E-08	7.83E-05
Hexane, n-	-6.71E-03	NA	NA	2.00E-01	2.00E+00	NC	-3.34E-07
Phenol	3.14E-03	NA	NA	5.71E-02	5.71E-02	NC	5.49E-06
Propylene	3.59E-03	NA	NA	8.57E-01	8.57E-01	NC	4.18E-07
Styrene	5.18E-04	NA	NA	2.86E-01	2.57E-01	NC	2.01E-07
Toluene	-3.15E-02	NA	NA	1.43E+00	8.57E-02	NC	-3.66E-05
Xylene (total)	-2.90E-02	NA	NA	2.86E-02	2.00E-01	NC	-1.45E-05
Chlorine	-2.55E-04	NA	NA	4.29E-05	5.71E-05	NC	-4.45E-04
Chromium (VI)	3.29E-08	4.20E+01	5.10E+02	2.86E-05	5.71E-05	9.57E-10	5.74E-08
Copper	-1.34E-06	NA	NA	NA	NA	NC	NC
Lead	1.05E-06	NA	4.20E-02	NA	NA	2.51E-12	NC
Manganese	-1.25E-06	NA	NA	1.43E-05	2.57E-05	NC	-4.84E-06
Nickel	-1.82E-06	8.40E-01	9.10E-01	1.43E-05	1.43E-05	-9.44E-11	-1.27E-05
Diesel PM	-1.03E-01	NA	1.10E+00	1.43E-03	1.43E-03	-6.47E-06	-7.20E-03
					TOTAL	**-6.4E-06**	**0.0045**

[1] Commercial Maximum Grid No. **266**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 5-3A
RAGS A Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 3, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
(Based on Peak Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Inhalation rate	15 (m^3/day)	6 (m^3/day)	20 (m^3/day)
Exposure Duration	6 (years)	6 (years)	70 (years)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Body Weight	15 (kg)	40 (kg)	70 (kg)
Averaging Time (non-carcinogenic)	2190 (d)	2190 (d)	25550 (d)
Averaging Time (carcinogenic)	25550 (d)	25550 (d)	25550 (d)
Conversion Factor	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)

RAGS A Inhalation Equations

CDI = (CA x CF x IR x EF x ED) / (BW AT)
Risk = SFi x CDI
HQ =CDI / REL

Where:
CDI = Chronic Daily Intake
CA = Concentration in Air
CF = Conversion Factor
IR = Inhalation Rate
EF = Exposure Frequency
ED = Exposure Duration
ET = Exposure Time

		Toxicity Criteria				Cancer Risks				Hazard Quotients		
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	CalEPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	EPA RfDi (mg/kg-d)	CalEPA Proposed REL (mg/kg-d)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult+Child Resident	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	2.19E-02	7.70E-03	1.00E-02	2.57E-03	4.00E-02	1.80E-08	1.54E-09	7.28E-08	5.99E-08	5.24E-04	4.49E-05	1.50E-04
Acrolein	1.26E-02	NA	NA	5.71E-06	1.00E-04	NC	NC	NC	NC	1.21E-01	1.04E-02	3.46E-02
Benzene	4.07E-03	7.70E-03	1.00E-01	8.57E-03	1.71E-02	3.34E-08	2.86E-09	1.35E-07	1.11E-07	2.27E-04	1.95E-05	6.50E-05
1,3-Butadiene	7.77E-03	1.05E-01	6.00E-01	5.71E-04	5.71E-03	3.83E-07	3.28E-08	1.55E-06	1.28E-06	1.30E-03	1.12E-04	3.72E-04
Ethylbenzene	-9.25E-04	8.75E-03	8.70E-03	2.86E-01	5.71E-01	-6.61E-10	-5.67E-11	-2.68E-09	-2.20E-09	-1.55E-06	-1.33E-07	-4.43E-07
Formaldehyde	6.20E-02	4.55E-02	2.10E-02	2.80E-03	2.57E-03	1.07E-07	9.18E-09	4.33E-07	3.57E-07	2.31E-02	1.98E-03	6.61E-03
Methyl alcohol	9.23E-03	NA	NA	1.14E+00	1.14E+00	NC	NC	NC	NC	7.74E-06	6.64E-07	2.21E-06
Methyl ethyl ketone	-4.30E-05	NA	NA	1.43E+00	NA	NC	NC	NC	NC	-2.89E-08	-2.47E-09	-8.24E-09
Naphthalene	2.74E-03	1.19E-01	1.20E-01	8.57E-04	2.57E-03	2.70E-08	2.32E-09	1.09E-07	9.01E-08	1.02E-03	8.76E-05	2.92E-04
Hexane, n-	-2.26E-03	NA	NA	2.00E-01	2.00E+00	NC	NC	NC	NC	-1.08E-06	-9.27E-08	-3.09E-07
Phenol	3.79E-03	NA	NA	5.71E-02	5.71E-02	NC	NC	NC	NC	6.36E-05	5.45E-06	1.82E-05
Propylene	1.89E-02	NA	NA	8.57E-01	8.57E-01	NC	NC	NC	NC	2.12E-05	1.81E-06	6.04E-06
Styrene	1.40E-03	NA	NA	2.86E-01	2.57E-01	NC	NC	NC	NC	5.21E-06	4.47E-07	1.49E-06
Toluene	-6.15E-03	NA	NA	1.43E+00	8.57E-02	NC	NC	NC	NC	-6.88E-05	-5.90E-06	-1.97E-05
Xylene (total)	-5.92E-03	NA	NA	2.86E-02	2.00E-01	NC	NC	NC	NC	-2.84E-05	-2.43E-06	-8.11E-06
Chlorine	-4.75E-05	NA	NA	4.29E-05	5.71E-05	NC	NC	NC	NC	-7.98E-04	-6.84E-05	-2.28E-04
Chromium (VI)	2.32E-07	4.20E+01	5.10E+02	2.86E-05	5.71E-05	9.73E-09	8.34E-10	3.94E-08	3.24E-08	3.90E-06	3.34E-07	1.11E-06
Copper	6.18E-07	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC
Lead	2.11E-06	NA	4.20E-02	NA	NA	7.28E-12	6.24E-13	2.95E-11	2.43E-11	NC	NC	NC
Manganese	8.10E-07	NA	NA	1.43E-05	2.57E-05	NC	NC	NC	NC	3.02E-05	2.59E-06	8.63E-06
Nickel	-3.40E-07	8.40E-01	9.10E-01	1.43E-05	1.43E-05	-2.54E-11	-2.18E-12	-1.03E-10	-8.47E-11	-2.28E-05	-1.95E-06	-6.51E-06
Diesel PM	-3.67E-02	NA	1.10E+00	1.43E-03	1.43E-03	-3.32E-06	-2.84E-07	-1.34E-05	-1.11E-05	-2.46E-02	-2.11E-03	-7.03E-03
					TOTAL	**-2.7E-06**	**-2.3E-07**	**-1.1E-05**	**-9.1E-06**	**0.12**	**0.010**	**0.035**

[1] Residential Maximum Grid No. 28
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 5-3B
RAGS A Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 3, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
(Based on Peak Location of Residential Hazards[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Inhalation rate	15 (m^3/day)	6 (m^3/day)	20 (m^3/day)
Exposure Duration	6 (years)	6 (years)	70 (years)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Body Weight	15 (kg)	40 (kg)	70 (kg)
Averaging Time (non-carcinogenic)	2190 (d)	2190 (d)	25550 (d)
Averaging Time (carcinogenic)	25550 (d)	25550 (d)	25550 (d)
Conversion Factor	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)

RAGS A Inhalation Equations

CDI = (CA x CF x IR x EF x ED) / (BW AT)
Risk = SFi x CDI
HQ =CDI / REL

Where:
CDI = Chronic Daily Intake
CA = Concentration in Air
CF = Conversion Factor
IR = Inhalation Rate
EF = Exposure Frequency
ED = Exposure Duration
ET = Exposure Time

		Toxicity Criteria				Cancer Risks				Hazard Quotients		
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	CalEPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	EPA RfDi (mg/kg-d)	CalEPA Proposed REL (mg/kg-d)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult+Child Resident	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	2.29E-01	7.70E-03	1.00E-02	2.57E-03	4.00E-02	1.88E-07	1.61E-08	7.62E-07	6.28E-07	5.49E-03	4.71E-04	1.57E-03
Acrolein	1.31E-01	NA	NA	5.71E-06	1.00E-04	NC	NC	NC	NC	1.26E+00	1.08E-01	3.59E-01
Benzene	8.91E-02	7.70E-03	1.00E-01	8.57E-03	1.71E-02	7.33E-07	6.28E-08	2.97E-06	2.44E-06	4.99E-03	4.27E-04	1.42E-03
1,3-Butadiene	9.05E-02	1.05E-01	6.00E-01	5.71E-04	5.71E-03	4.46E-06	3.82E-07	1.81E-05	1.49E-05	1.52E-02	1.30E-03	4.34E-03
Ethylbenzene	7.92E-03	8.75E-03	8.70E-03	2.86E-01	5.71E-01	5.67E-09	4.86E-10	2.29E-08	1.89E-08	1.33E-05	1.14E-06	3.80E-06
Formaldehyde	6.57E-01	4.55E-02	2.10E-02	2.80E-03	2.57E-03	1.13E-06	9.72E-08	4.59E-06	3.78E-06	2.45E-01	2.10E-02	7.00E-02
Methyl alcohol	9.68E-02	NA	NA	1.14E+00	1.14E+00	NC	NC	NC	NC	8.12E-05	6.96E-06	2.32E-05
Methyl ethyl ketone	3.50E-05	NA	NA	1.43E+00	NA	NC	NC	NC	NC	2.35E-08	2.01E-09	6.71E-09
Naphthalene	2.90E-02	1.19E-01	1.20E-01	8.57E-04	2.57E-03	2.86E-07	2.46E-08	1.16E-06	9.55E-07	1.08E-02	9.28E-04	3.09E-03
Hexane, n-	-5.11E-03	NA	NA	2.00E-01	2.00E+00	NC	NC	NC	NC	-2.45E-06	-2.10E-07	-7.00E-07
Phenol	3.90E-02	NA	NA	5.71E-02	5.71E-02	NC	NC	NC	NC	6.55E-04	5.62E-05	1.87E-04
Propylene	2.36E-01	NA	NA	8.57E-01	8.57E-01	NC	NC	NC	NC	2.65E-04	2.27E-05	7.56E-05
Styrene	1.65E-02	NA	NA	2.86E-01	2.57E-01	NC	NC	NC	NC	6.14E-05	5.26E-06	1.75E-05
Toluene	2.36E-02	NA	NA	1.43E+00	8.57E-02	NC	NC	NC	NC	2.64E-04	2.27E-05	7.56E-05
Xylene (total)	1.68E-02	NA	NA	2.86E-02	2.00E-01	NC	NC	NC	NC	8.05E-05	6.90E-06	2.30E-05
Chlorine	-3.17E-04	NA	NA	4.29E-05	5.71E-05	NC	NC	NC	NC	-5.32E-03	-4.56E-04	-1.52E-03
Chromium (VI)	2.60E-06	4.20E+01	5.10E+02	2.86E-05	5.71E-05	1.09E-07	9.36E-09	4.42E-07	3.64E-07	4.37E-05	3.75E-06	1.25E-05
Copper	8.19E-06	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC
Lead	2.30E-05	NA	4.20E-02	NA	NA	7.94E-11	6.80E-12	3.21E-10	2.65E-10	NC	NC	NC
Manganese	1.03E-05	NA	NA	1.43E-05	2.57E-05	NC	NC	NC	NC	3.83E-04	3.29E-05	1.10E-04
Nickel	-2.26E-06	8.40E-01	9.10E-01	1.43E-05	1.43E-05	-1.69E-10	-1.45E-11	-6.85E-10	-5.64E-10	-1.52E-04	-1.30E-05	-4.34E-05
Diesel PM	-1.32E-01	NA	1.10E+00	1.43E-03	1.43E-03	-1.19E-05	-1.02E-06	-4.82E-05	-3.97E-05	-8.84E-02	-7.58E-03	-2.53E-02
					TOTAL	**-5.0E-06**	**-4.3E-07**	**-2.0E-05**	**-1.7E-05**	**1.4**	**0.12**	**0.4**

[1] Residential Maximum Grid No. 81
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 5-3C
RAGS A Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 3, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
(Based on Peak Location of Commercial Cancer Risks[1])

Exposure Parameters	Adult Worker
Inhalation rate	10 (m^3/day)
Exposure Duration	40 (years)
Exposure Frequency	245 (days/year)
Body Weight	70 (kg)
Averaging Time (non-carcinogenic)	14600 (d)
Averaging Time (carcinogenic)	25550 (d)
Conversion Factor	1.00E-03 (mg/ug)

RAGS A Inhalation Equations

CDI = (CA x CF x IR x EF x ED) / (BW AT)
Risk = SFi x CDI
HQ =CDI / REL

Where:
CDI = Chronic Daily Intake
CA = Concentration in Air
CF = Conversion Factor
IR = Inhalation Rate
EF = Exposure Frequency
ED = Exposure Duration
ET = Exposure Time

		Toxicity Criteria				Cancer Risks	Hazard Quotients
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	CalEPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	EPA RfDi (mg/kg-d)	CalEPA Proposed REL (mg/kg-d)	Cancer Risk to Adult Worker	Hazard Quotient Adult Worker
Acetaldehyde	2.38E-01	7.70E-03	1.00E-02	2.57E-03	4.00E-02	1.35E-07	5.93E-04
Acrolein	1.34E-01	NA	NA	5.71E-06	1.00E-04	NC	1.34E-01
Benzene	2.17E-01	7.70E-03	1.00E-01	8.57E-03	1.71E-02	1.24E-06	1.26E-03
1,3-Butadiene	1.17E-01	1.05E-01	6.00E-01	5.71E-04	5.71E-03	4.00E-06	2.04E-03
Ethylbenzene	6.16E-02	8.75E-03	8.70E-03	2.86E-01	5.71E-01	3.06E-08	1.08E-05
Formaldehyde	7.19E-01	4.55E-02	2.10E-02	2.80E-03	2.57E-03	8.61E-07	2.79E-02
Methyl alcohol	1.01E-01	NA	NA	1.14E+00	1.14E+00	NC	8.79E-06
Methyl ethyl ketone	1.06E-03	NA	NA	1.43E+00	NA	NC	7.39E-08
Naphthalene	3.08E-02	1.19E-01	1.20E-01	8.57E-04	2.57E-03	2.11E-07	1.20E-03
Hexane, n-	7.30E-02	NA	NA	2.00E-01	2.00E+00	NC	3.64E-06
Phenol	3.82E-02	NA	NA	5.71E-02	5.71E-02	NC	6.66E-05
Propylene	3.84E-01	NA	NA	8.57E-01	8.57E-01	NC	4.47E-05
Styrene	2.24E-02	NA	NA	2.86E-01	2.57E-01	NC	8.69E-06
Toluene	3.15E-01	NA	NA	1.43E+00	8.57E-02	NC	3.66E-04
Xylene (total)	2.62E-01	NA	NA	2.86E-02	2.00E-01	NC	1.31E-04
Chlorine	1.96E-02	NA	NA	4.29E-05	5.71E-05	NC	3.42E-02
Chromium (VI)	1.06E-05	4.20E+01	5.10E+02	2.86E-05	5.71E-05	3.08E-07	1.85E-05
Copper	1.54E-04	NA	NA	NA	NA	NC	NC
Lead	3.03E-05	NA	4.20E-02	NA	NA	7.26E-11	NC
Manganese	1.57E-04	NA	NA	1.43E-05	2.57E-05	NC	6.07E-04
Nickel	1.40E-04	8.40E-01	9.10E-01	1.43E-05	1.43E-05	7.26E-09	9.77E-04
Diesel PM	-8.03E-02	NA	1.10E+00	1.43E-03	1.43E-03	-5.03E-06	-5.61E-03
					TOTAL	**1.8E-06**	**0.198**

[1] Commercial Maximum Grid No. **225**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 5-4A
RAGS A Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 4, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
(Based on Peak Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Inhalation rate	15 (m^3/day)	6 (m^3/day)	20 (m^3/day)
Exposure Duration	6 (years)	6 (years)	70 (years)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Body Weight	15 (kg)	40 (kg)	70 (kg)
Averaging Time (non-carcinogenic)	2190 (d)	2190 (d)	25550 (d)
Averaging Time (carcinogenic)	25550 (d)	25550 (d)	25550 (d)
Conversion Factor	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)

RAGS A Inhalation Equations

CDI = (CA x CF x IR x EF x ED) / (BW AT)
Risk = SFi x CDI
HQ =CDI / REL

Where:
CDI = Chronic Daily Intake
CA = Concentration in Air
CF = Conversion Factor
IR = Inhalation Rate
EF = Exposure Frequency
ED = Exposure Duration
ET = Exposure Time

		Toxicity Criteria				Cancer Risks				Hazard Quotients		
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	CalEPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	EPA RfDi (mg/kg-d)	CalEPA Proposed REL (mg/kg-d)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult+Child Resident	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	1.63E-02	7.70E-03	1.00E-02	2.57E-03	4.00E-02	1.34E-08	1.15E-09	5.43E-08	4.47E-08	3.91E-04	3.35E-05	1.12E-04
Acrolein	9.39E-03	NA	NA	5.71E-06	1.00E-04	NC	NC	NC	NC	9.00E-02	7.72E-03	2.57E-02
Benzene	3.66E-03	7.70E-03	1.00E-01	8.57E-03	1.71E-02	3.00E-08	2.58E-09	1.22E-07	1.00E-07	2.04E-04	1.75E-05	5.84E-05
1,3-Butadiene	5.93E-03	1.05E-01	6.00E-01	5.71E-04	5.71E-03	2.92E-07	2.51E-08	1.18E-06	9.75E-07	9.95E-04	8.53E-05	2.84E-04
Ethylbenzene	-5.29E-04	8.75E-03	8.70E-03	2.86E-01	5.71E-01	-3.78E-10	-3.24E-11	-1.53E-09	-1.26E-09	-8.87E-07	-7.61E-08	-2.54E-07
Formaldehyde	4.62E-02	4.55E-02	2.10E-02	2.80E-03	2.57E-03	7.97E-08	6.83E-09	3.23E-07	2.66E-07	1.72E-02	1.48E-03	4.92E-03
Methyl alcohol	6.89E-03	NA	NA	1.14E+00	1.14E+00	NC	NC	NC	NC	5.78E-06	4.95E-07	1.65E-06
Methyl ethyl ketone	-2.23E-05	NA	NA	1.43E+00	NA	NC	NC	NC	NC	-1.50E-08	-1.28E-09	-4.28E-09
Naphthalene	2.05E-03	1.19E-01	1.20E-01	8.57E-04	2.57E-03	2.02E-08	1.73E-09	8.19E-08	6.75E-08	7.65E-04	6.56E-05	2.19E-04
Hexane, n-	-1.78E-03	NA	NA	2.00E-01	2.00E+00	NC	NC	NC	NC	-8.51E-07	-7.30E-08	-2.43E-07
Phenol	2.83E-03	NA	NA	5.71E-02	5.71E-02	NC	NC	NC	NC	4.74E-05	4.07E-06	1.36E-05
Propylene	1.42E-02	NA	NA	8.57E-01	8.57E-01	NC	NC	NC	NC	1.59E-05	1.36E-06	4.54E-06
Styrene	1.06E-03	NA	NA	2.86E-01	2.57E-01	NC	NC	NC	NC	3.96E-06	3.39E-07	1.13E-06
Toluene	-4.06E-03	NA	NA	1.43E+00	8.57E-02	NC	NC	NC	NC	-4.54E-05	-3.89E-06	-1.30E-05
Xylene (total)	-3.76E-03	NA	NA	2.86E-02	2.00E-01	NC	NC	NC	NC	-1.80E-05	-1.55E-06	-5.15E-06
Chlorine	-2.25E-05	NA	NA	4.29E-05	5.71E-05	NC	NC	NC	NC	-3.77E-04	-3.23E-05	-1.08E-04
Chromium (VI)	2.14E-07	4.20E+01	5.10E+02	2.86E-05	5.71E-05	8.98E-09	7.69E-10	3.63E-08	2.99E-08	3.59E-06	3.08E-07	1.03E-06
Copper	6.94E-07	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC
Lead	1.88E-06	NA	4.20E-02	NA	NA	6.49E-12	5.56E-13	2.63E-11	2.16E-11	NC	NC	NC
Manganese	8.65E-07	NA	NA	1.43E-05	2.57E-05	NC	NC	NC	NC	3.22E-05	2.76E-06	9.21E-06
Nickel	-1.61E-07	8.40E-01	9.10E-01	1.43E-05	1.43E-05	-1.20E-11	-1.03E-12	-4.86E-11	-4.00E-11	-1.08E-05	-9.24E-07	-3.08E-06
Diesel PM	-3.54E-02	NA	1.10E+00	1.43E-03	1.43E-03	-3.20E-06	-2.75E-07	-1.30E-05	-1.07E-05	-2.38E-02	-2.04E-03	-6.80E-03
					TOTAL	**-2.8E-06**	**-2.4E-07**	**-1.1E-05**	**-9.2E-06**	**0.085**	**0.0073**	**0.0244**

[1] Residential Maximum Grid No. 28
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 5-4B
RAGS A Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 4, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
(Based on Peak Location of Residential Hazards[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Inhalation rate	15 (m^3/day)	6 (m^3/day)	20 (m^3/day)
Exposure Duration	6 (years)	6 (years)	70 (years)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Body Weight	15 (kg)	40 (kg)	70 (kg)
Averaging Time (non-carcinogenic)	2190 (d)	2190 (d)	25550 (d)
Averaging Time (carcinogenic)	25550 (d)	25550 (d)	25550 (d)
Conversion Factor	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)

RAGS A Inhalation Equations

CDI = (CA x CF x IR x EF x ED) / (BW AT)
Risk = SFi x CDI
HQ =CDI / REL

Where:
CDI = Chronic Daily Intake
CA = Concentration in Air
CF = Conversion Factor
IR = Inhalation Rate
EF = Exposure Frequency
ED = Exposure Duration
ET = Exposure Time

		Toxicity Criteria				Cancer Risks				Hazard Quotients		
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	CalEPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	EPA RfDi (mg/kg-d)	CalEPA Proposed REL (mg/kg-d)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult+Child Resident	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	1.92E-01	7.70E-03	1.00E-02	2.57E-03	4.00E-02	1.58E-07	1.35E-08	6.39E-07	5.26E-07	4.60E-03	3.94E-04	1.31E-03
Acrolein	1.11E-01	NA	NA	5.71E-06	1.00E-04	NC	NC	NC	NC	1.06E+00	9.12E-02	3.04E-01
Benzene	2.77E-02	7.70E-03	1.00E-01	8.57E-03	1.71E-02	2.28E-07	1.95E-08	9.22E-07	7.59E-07	1.55E-03	1.33E-04	4.43E-04
1,3-Butadiene	6.67E-02	1.05E-01	6.00E-01	5.71E-04	5.71E-03	3.29E-06	2.82E-07	1.33E-05	1.10E-05	1.12E-02	9.60E-04	3.20E-03
Ethylbenzene	-1.16E-02	8.75E-03	8.70E-03	2.86E-01	5.71E-01	-8.32E-09	-7.13E-10	-3.37E-08	-2.77E-08	-1.95E-05	-1.67E-06	-5.58E-06
Formaldehyde	5.42E-01	4.55E-02	2.10E-02	2.80E-03	2.57E-03	9.35E-07	8.02E-08	3.79E-06	3.12E-06	2.02E-01	1.73E-02	5.77E-02
Methyl alcohol	8.10E-02	NA	NA	1.14E+00	1.14E+00	NC	NC	NC	NC	6.80E-05	5.83E-06	1.94E-05
Methyl ethyl ketone	-4.39E-04	NA	NA	1.43E+00	NA	NC	NC	NC	NC	-2.94E-07	-2.52E-08	-8.41E-08
Naphthalene	2.40E-02	1.19E-01	1.20E-01	8.57E-04	2.57E-03	2.37E-07	2.03E-08	9.59E-07	7.90E-07	8.96E-03	7.68E-04	2.56E-03
Hexane, n-	-2.52E-02	NA	NA	2.00E-01	2.00E+00	NC	NC	NC	NC	-1.21E-05	-1.04E-06	-3.46E-06
Phenol	3.34E-02	NA	NA	5.71E-02	5.71E-02	NC	NC	NC	NC	5.61E-04	4.81E-05	1.60E-04
Propylene	1.57E-01	NA	NA	8.57E-01	8.57E-01	NC	NC	NC	NC	1.75E-04	1.50E-05	5.01E-05
Styrene	1.19E-02	NA	NA	2.86E-01	2.57E-01	NC	NC	NC	NC	4.45E-05	3.81E-06	1.27E-05
Toluene	-7.34E-02	NA	NA	1.43E+00	8.57E-02	NC	NC	NC	NC	-8.21E-04	-7.04E-05	-2.35E-04
Xylene (total)	-6.81E-02	NA	NA	2.86E-02	2.00E-01	NC	NC	NC	NC	-3.27E-04	-2.80E-05	-9.33E-05
Chlorine	4.05E-04	NA	NA	4.29E-05	5.71E-05	NC	NC	NC	NC	6.79E-03	5.82E-04	1.94E-03
Chromium (VI)	3.37E-06	4.20E+01	5.10E+02	2.86E-05	5.71E-05	1.41E-07	1.21E-08	5.72E-07	4.71E-07	5.66E-05	4.85E-06	1.62E-05
Copper	1.53E-05	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC
Lead	2.73E-05	NA	4.20E-02	NA	NA	9.43E-11	8.08E-12	3.82E-10	3.14E-10	NC	NC	NC
Manganese	1.78E-05	NA	NA	1.43E-05	2.57E-05	NC	NC	NC	NC	6.64E-04	5.69E-05	1.90E-04
Nickel	2.89E-06	8.40E-01	9.10E-01	1.43E-05	1.43E-05	2.16E-10	1.85E-11	8.76E-10	7.21E-10	1.94E-04	1.66E-05	5.55E-05
Diesel PM	-5.12E-01	NA	1.10E+00	1.43E-03	1.43E-03	-4.63E-05	-3.97E-06	-1.87E-04	-1.54E-04	-3.44E-01	-2.95E-02	-9.83E-02
					TOTAL	**-4.1E-05**	**-3.5E-06**	**-1.7E-04**	**-1.4E-04**	**0.96**	**0.082**	**0.27**

[1] Residential Maximum Grid No. 130
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 5-4C
RAGS A Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 4, Horizon Year 2025, 2009 Baseline - Lifetime Exposure
(Based on Peak Location of Commercial Cancer Risks[1])

Exposure Parameters	Adult Worker
Inhalation rate	10 (m^3/day)
Exposure Duration	40 (years)
Exposure Frequency	245 (days/year)
Body Weight	70 (kg)
Averaging Time (non-carcinogenic)	14600 (d)
Averaging Time (carcinogenic)	25550 (d)
Conversion Factor	1.00E-03 (mg/ug)

RAGS A Inhalation Equations

CDI = (CA x CF x IR x EF x ED) / (BW AT)
Risk = SFi x CDI
HQ =CDI / REL

Where:
CDI = Chronic Daily Intake
CA = Concentration in Air
CF = Conversion Factor
IR = Inhalation Rate
EF = Exposure Frequency
ED = Exposure Duration
ET = Exposure Time

		Toxicity Criteria				Cancer Risks	Hazard Quotients
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	CalEPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	EPA RfDi (mg/kg-d)	CalEPA Proposed REL (mg/kg-d)	Cancer Risk to Adult Worker	Hazard Quotient Adult Worker
Acetaldehyde	2.30E-02	7.70E-03	1.00E-02	2.57E-03	4.00E-02	1.31E-08	5.74E-05
Acrolein	1.36E-02	NA	NA	5.71E-06	1.00E-04	NC	1.36E-02
Benzene	-4.77E-03	7.70E-03	1.00E-01	8.57E-03	1.71E-02	-2.72E-08	-2.78E-05
1,3-Butadiene	6.33E-03	1.05E-01	6.00E-01	5.71E-04	5.71E-03	2.16E-07	1.10E-04
Ethylbenzene	-3.99E-03	8.75E-03	8.70E-03	2.86E-01	5.71E-01	-1.98E-09	-6.96E-07
Formaldehyde	6.50E-02	4.55E-02	2.10E-02	2.80E-03	2.57E-03	7.77E-08	2.52E-03
Methyl alcohol	9.68E-03	NA	NA	1.14E+00	1.14E+00	NC	8.45E-07
Methyl ethyl ketone	-1.58E-04	NA	NA	1.43E+00	NA	NC	-1.10E-08
Naphthalene	2.80E-03	1.19E-01	1.20E-01	8.57E-04	2.57E-03	1.92E-08	1.09E-04
Hexane, n-	-4.10E-03	NA	NA	2.00E-01	2.00E+00	NC	-2.04E-07
Phenol	4.07E-03	NA	NA	5.71E-02	5.71E-02	NC	7.11E-06
Propylene	1.48E-02	NA	NA	8.57E-01	8.57E-01	NC	1.72E-06
Styrene	1.15E-03	NA	NA	2.86E-01	2.57E-01	NC	4.46E-07
Toluene	-2.01E-02	NA	NA	1.43E+00	8.57E-02	NC	-2.33E-05
Xylene (total)	-1.93E-02	NA	NA	2.86E-02	2.00E-01	NC	-9.65E-06
Chlorine	6.74E-04	NA	NA	4.29E-05	5.71E-05	NC	1.18E-03
Chromium (VI)	3.91E-07	4.20E+01	5.10E+02	2.86E-05	5.71E-05	1.14E-08	6.82E-07
Copper	5.39E-06	NA	NA	NA	NA	NC	NC
Lead	1.27E-06	NA	4.20E-02	NA	NA	3.04E-12	NC
Manganese	5.51E-06	NA	NA	1.43E-05	2.57E-05	NC	2.14E-05
Nickel	4.82E-06	8.40E-01	9.10E-01	1.43E-05	1.43E-05	2.50E-10	3.36E-05
Diesel PM	-9.54E-02	NA	1.10E+00	1.43E-03	1.43E-03	-5.98E-06	-6.66E-03
					TOTAL	**-5.7E-06**	**0.0109**

[1] Commercial Maximum Grid No. **266**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 5-5A
RAGS A Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 5, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
(Based on Peak Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Inhalation rate	15 (m^3/day)	6 (m^3/day)	20 (m^3/day)
Exposure Duration	6 (years)	6 (years)	70 (years)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Body Weight	15 (kg)	40 (kg)	70 (kg)
Averaging Time (non-carcinogenic)	2190 (d)	2190 (d)	25550 (d)
Averaging Time (carcinogenic)	25550 (d)	25550 (d)	25550 (d)
Conversion Factor	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)

RAGS A Inhalation Equations

CDI = (CA x CF x IR x EF x ED) / (BW AT)
Risk = SFi x CDI
HQ =CDI / REL

Where:
CDI = Chronic Daily Intake
CA = Concentration in Air
CF = Conversion Factor
IR = Inhalation Rate
EF = Exposure Frequency
ED = Exposure Duration
ET = Exposure Time

		Toxicity Criteria				Cancer Risks				Hazard Quotients		
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	CalEPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	EPA RfDi (mg/kg-d)	CalEPA Proposed REL (mg/kg-d)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult+Child Resident	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	2.64E-01	7.70E-03	1.00E-02	2.57E-03	4.00E-02	2.17E-07	1.86E-08	8.80E-07	7.25E-07	6.34E-03	5.43E-04	1.81E-03
Acrolein	1.51E-01	NA	NA	5.71E-06	1.00E-04	NC	NC	NC	NC	1.45E+00	1.24E-01	4.14E-01
Benzene	1.10E-01	7.70E-03	1.00E-01	8.57E-03	1.71E-02	9.06E-07	7.77E-08	3.67E-06	3.02E-06	6.17E-03	5.28E-04	1.76E-03
1,3-Butadiene	1.06E-01	1.05E-01	6.00E-01	5.71E-04	5.71E-03	5.22E-06	4.48E-07	2.11E-05	1.74E-05	1.78E-02	1.52E-03	5.08E-03
Ethylbenzene	1.19E-02	8.75E-03	8.70E-03	2.86E-01	5.71E-01	8.52E-09	7.31E-10	3.45E-08	2.84E-08	2.00E-05	1.71E-06	5.72E-06
Formaldehyde	7.60E-01	4.55E-02	2.10E-02	2.80E-03	2.57E-03	1.31E-06	1.12E-07	5.31E-06	4.37E-06	2.83E-01	2.43E-02	8.10E-02
Methyl alcohol	1.12E-01	NA	NA	1.14E+00	1.14E+00	NC	NC	NC	NC	9.38E-05	8.04E-06	2.68E-05
Methyl ethyl ketone	1.17E-04	NA	NA	1.43E+00	NA	NC	NC	NC	NC	7.84E-08	6.72E-09	2.24E-08
Naphthalene	3.36E-02	1.19E-01	1.20E-01	8.57E-04	2.57E-03	3.31E-07	2.84E-08	1.34E-06	1.10E-06	1.25E-02	1.07E-03	3.58E-03
Hexane, n-	-2.99E-03	NA	NA	2.00E-01	2.00E+00	NC	NC	NC	NC	-1.43E-06	-1.23E-07	-4.10E-07
Phenol	4.50E-02	NA	NA	5.71E-02	5.71E-02	NC	NC	NC	NC	7.55E-04	6.47E-05	2.16E-04
Propylene	2.79E-01	NA	NA	8.57E-01	8.57E-01	NC	NC	NC	NC	3.12E-04	2.68E-05	8.92E-05
Styrene	1.93E-02	NA	NA	2.86E-01	2.57E-01	NC	NC	NC	NC	7.19E-05	6.16E-06	2.05E-05
Toluene	4.11E-02	NA	NA	1.43E+00	8.57E-02	NC	NC	NC	NC	4.60E-04	3.95E-05	1.32E-04
Xylene (total)	3.18E-02	NA	NA	2.86E-02	2.00E-01	NC	NC	NC	NC	1.52E-04	1.31E-05	4.35E-05
Chlorine	-8.22E-05	NA	NA	4.29E-05	5.71E-05	NC	NC	NC	NC	-1.38E-03	-1.18E-04	-3.94E-04
Chromium (VI)	3.62E-06	4.20E+01	5.10E+02	2.86E-05	5.71E-05	1.52E-07	1.30E-08	6.14E-07	5.05E-07	6.07E-05	5.20E-06	1.73E-05
Copper	1.34E-05	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC
Lead	3.09E-05	NA	4.20E-02	NA	NA	1.07E-10	9.13E-12	4.31E-10	3.55E-10	NC	NC	NC
Manganese	1.62E-05	NA	NA	1.43E-05	2.57E-05	NC	NC	NC	NC	6.06E-04	5.19E-05	1.73E-04
Nickel	-5.87E-07	8.40E-01	9.10E-01	1.43E-05	1.43E-05	-4.39E-11	-3.76E-12	-1.78E-10	-1.46E-10	-3.94E-05	-3.38E-06	-1.13E-05
Diesel PM	-1.18E-01	NA	1.10E+00	1.43E-03	1.43E-03	-1.07E-05	-9.17E-07	-4.33E-05	-3.57E-05	-7.95E-02	-6.81E-03	-2.27E-02
					TOTAL	**-2.6E-06**	**-2.2E-07**	**-1.0E-05**	**-8.5E-06**	**1.698**	**0.1455**	**0.4850**

[1] Residential Maximum Grid No. 81
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 5-5B
RAGS A Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 5, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
(Based on Peak Location of Residential Hazards[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Inhalation rate	15 (m^3/day)	6 (m^3/day)	20 (m^3/day)
Exposure Duration	6 (years)	6 (years)	70 (years)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Body Weight	15 (kg)	40 (kg)	70 (kg)
Averaging Time (non-carcinogenic)	2190 (d)	2190 (d)	25550 (d)
Averaging Time (carcinogenic)	25550 (d)	25550 (d)	25550 (d)
Conversion Factor	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)

RAGS A Inhalation Equations

CDI = (CA x CF x IR x EF x ED) / (BW AT)
Risk = SFi x CDI
HQ =CDI / REL

Where:
CDI = Chronic Daily Intake
CA = Concentration in Air
CF = Conversion Factor
IR = Inhalation Rate
EF = Exposure Frequency
ED = Exposure Duration
ET = Exposure Time

		Toxicity Criteria				Cancer Risks				Hazard Quotients		
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	CalEPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	EPA RfDi (mg/kg-d)	CalEPA Proposed REL (mg/kg-d)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult+Child Resident	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	2.64E-01	7.70E-03	1.00E-02	2.57E-03	4.00E-02	2.17E-07	1.86E-08	8.80E-07	7.25E-07	6.34E-03	5.43E-04	1.81E-03
Acrolein	1.51E-01	NA	NA	5.71E-06	1.00E-04	NC	NC	NC	NC	1.45E+00	1.24E-01	4.14E-01
Benzene	1.10E-01	7.70E-03	1.00E-01	8.57E-03	1.71E-02	9.06E-07	7.77E-08	3.67E-06	3.02E-06	6.17E-03	5.28E-04	1.76E-03
1,3-Butadiene	1.06E-01	1.05E-01	6.00E-01	5.71E-04	5.71E-03	5.22E-06	4.48E-07	2.11E-05	1.74E-05	1.78E-02	1.52E-03	5.08E-03
Ethylbenzene	1.19E-02	8.75E-03	8.70E-03	2.86E-01	5.71E-01	8.52E-09	7.31E-10	3.45E-08	2.84E-08	2.00E-05	1.71E-06	5.72E-06
Formaldehyde	7.60E-01	4.55E-02	2.10E-02	2.80E-03	2.57E-03	1.31E-06	1.12E-07	5.31E-06	4.37E-06	2.83E-01	2.43E-02	8.10E-02
Methyl alcohol	1.12E-01	NA	NA	1.14E+00	1.14E+00	NC	NC	NC	NC	9.38E-05	8.04E-06	2.68E-05
Methyl ethyl ketone	1.17E-04	NA	NA	1.43E+00	NA	NC	NC	NC	NC	7.84E-08	6.72E-09	2.24E-08
Naphthalene	3.36E-02	1.19E-01	1.20E-01	8.57E-04	2.57E-03	3.31E-07	2.84E-08	1.34E-06	1.10E-06	1.25E-02	1.07E-03	3.58E-03
Hexane, n-	-2.99E-03	NA	NA	2.00E-01	2.00E+00	NC	NC	NC	NC	-1.43E-06	-1.23E-07	-4.10E-07
Phenol	4.50E-02	NA	NA	5.71E-02	5.71E-02	NC	NC	NC	NC	7.55E-04	6.47E-05	2.16E-04
Propylene	2.79E-01	NA	NA	8.57E-01	8.57E-01	NC	NC	NC	NC	3.12E-04	2.68E-05	8.92E-05
Styrene	1.93E-02	NA	NA	2.86E-01	2.57E-01	NC	NC	NC	NC	7.19E-05	6.16E-06	2.05E-05
Toluene	4.11E-02	NA	NA	1.43E+00	8.57E-02	NC	NC	NC	NC	4.60E-04	3.95E-05	1.32E-04
Xylene (total)	3.18E-02	NA	NA	2.86E-02	2.00E-01	NC	NC	NC	NC	1.52E-04	1.31E-05	4.35E-05
Chlorine	-8.22E-05	NA	NA	4.29E-05	5.71E-05	NC	NC	NC	NC	-1.38E-03	-1.18E-04	-3.94E-04
Chromium (VI)	3.62E-06	4.20E+01	5.10E+02	2.86E-05	5.71E-05	1.52E-07	1.30E-08	6.14E-07	5.05E-07	6.07E-05	5.20E-06	1.73E-05
Copper	1.34E-05	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC
Lead	3.09E-05	NA	4.20E-02	NA	NA	1.07E-10	9.13E-12	4.31E-10	3.55E-10	NC	NC	NC
Manganese	1.62E-05	NA	NA	1.43E-05	2.57E-05	NC	NC	NC	NC	6.06E-04	5.19E-05	1.73E-04
Nickel	-5.87E-07	8.40E-01	9.10E-01	1.43E-05	1.43E-05	-4.39E-11	-3.76E-12	-1.78E-10	-1.46E-10	-3.94E-05	-3.38E-06	-1.13E-05
Diesel PM	-1.18E-01	NA	1.10E+00	1.43E-03	1.43E-03	-1.07E-05	-9.17E-07	-4.33E-05	-3.57E-05	-7.95E-02	-6.81E-03	-2.27E-02
					TOTAL	**-2.6E-06**	**-2.2E-07**	**-1.0E-05**	**-8.5E-06**	**1.70**	**0.146**	**0.49**

[1] Residential Maximum Grid No. 81
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 5-5C
RAGS A Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 5, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
(Based on Peak Location of Commercial Cancer Risks[1])

Exposure Parameters	Adult Worker
Inhalation rate	10 (m^3/day)
Exposure Duration	40 (years)
Exposure Frequency	245 (days/year)
Body Weight	70 (kg)
Averaging Time (non-carcinogenic)	14600 (d)
Averaging Time (carcinogenic)	25550 (d)
Conversion Factor	1.00E-03 (mg/ug)

RAGS A Inhalation Equations

CDI = (CA x CF x IR x EF x ED) / (BW AT)
Risk = SFi x CDI
HQ =CDI / REL

Where:
CDI = Chronic Daily Intake
CA = Concentration in Air
CF = Conversion Factor
IR = Inhalation Rate
EF = Exposure Frequency
ED = Exposure Duration
ET = Exposure Time

		Toxicity Criteria				Cancer Risks	Hazard Quotients
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	CalEPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	EPA RfDi (mg/kg-d)	CalEPA Proposed REL (mg/kg-d)	Cancer Risk to Adult Worker	Hazard Quotient Adult Worker
Acetaldehyde	1.93E-02	7.70E-03	1.00E-02	2.57E-03	4.00E-02	1.10E-08	4.80E-05
Acrolein	1.15E-02	NA	NA	5.71E-06	1.00E-04	NC	1.15E-02
Benzene	-1.02E-02	7.70E-03	1.00E-01	8.57E-03	1.71E-02	-5.83E-08	-5.96E-05
1,3-Butadiene	4.10E-03	1.05E-01	6.00E-01	5.71E-04	5.71E-03	1.40E-07	7.15E-05
Ethylbenzene	-5.83E-03	8.75E-03	8.70E-03	2.86E-01	5.71E-01	-2.89E-09	-1.02E-06
Formaldehyde	5.30E-02	4.55E-02	2.10E-02	2.80E-03	2.57E-03	6.35E-08	2.06E-03
Methyl alcohol	8.09E-03	NA	NA	1.14E+00	1.14E+00	NC	7.06E-07
Methyl ethyl ketone	-1.91E-04	NA	NA	1.43E+00	NA	NC	-1.34E-08
Naphthalene	2.31E-03	1.19E-01	1.20E-01	8.57E-04	2.57E-03	1.58E-08	8.94E-05
Hexane, n-	-6.50E-03	NA	NA	2.00E-01	2.00E+00	NC	-3.24E-07
Phenol	3.51E-03	NA	NA	5.71E-02	5.71E-02	NC	6.12E-06
Propylene	6.47E-03	NA	NA	8.57E-01	8.57E-01	NC	7.53E-07
Styrene	7.09E-04	NA	NA	2.86E-01	2.57E-01	NC	2.75E-07
Toluene	-2.97E-02	NA	NA	1.43E+00	8.57E-02	NC	-3.46E-05
Xylene (total)	-2.75E-02	NA	NA	2.86E-02	2.00E-01	NC	-1.37E-05
Chlorine	-2.55E-04	NA	NA	4.29E-05	5.71E-05	NC	-4.45E-04
Chromium (VI)	6.04E-08	4.20E+01	5.10E+02	2.86E-05	5.71E-05	1.76E-09	1.05E-07
Copper	-1.24E-06	NA	NA	NA	NA	NC	NC
Lead	1.28E-06	NA	4.20E-02	NA	NA	3.07E-12	NC
Manganese	-1.12E-06	NA	NA	1.43E-05	2.57E-05	NC	-4.35E-06
Nickel	-1.82E-06	8.40E-01	9.10E-01	1.43E-05	1.43E-05	-9.44E-11	-1.27E-05
Diesel PM	-1.02E-01	NA	1.10E+00	1.43E-03	1.43E-03	-6.40E-06	-7.13E-03
					TOTAL	**-6.2E-06**	**0.0061**

[1] Commercial Maximum Grid No. **266**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 5-6A
RAGS A Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 5, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Maximum Range
(Based on Peak Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Inhalation rate	15 (m^3/day)	6 (m^3/day)	20 (m^3/day)
Exposure Duration	6 (years)	6 (years)	70 (years)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Body Weight	15 (kg)	40 (kg)	70 (kg)
Averaging Time (non-carcinogenic)	2190 (d)	2190 (d)	25550 (d)
Averaging Time (carcinogenic)	25550 (d)	25550 (d)	25550 (d)
Conversion Factor	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)

RAGS A Inhalation Equations

CDI = (CA x CF x IR x EF x ED) / (BW AT)
Risk = SFi x CDI
HQ =CDI / REL

Where:
CDI = Chronic Daily Intake
CA = Concentration in Air
CF = Conversion Factor
IR = Inhalation Rate
EF = Exposure Frequency
ED = Exposure Duration
ET = Exposure Time

		Toxicity Criteria				Cancer Risks				Hazard Quotients		
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	CalEPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	EPA RfDi (mg/kg-d)	CalEPA Proposed REL (mg/kg-d)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult+Child Resident	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	2.64E-01	7.70E-03	1.00E-02	2.57E-03	4.00E-02	2.17E-07	1.86E-08	8.80E-07	7.25E-07	6.34E-03	5.43E-04	1.81E-03
Acrolein	1.51E-01	NA	NA	5.71E-06	1.00E-04	NC	NC	NC	NC	1.45E+00	1.24E-01	4.14E-01
Benzene	1.10E-01	7.70E-03	1.00E-01	8.57E-03	1.71E-02	9.06E-07	7.77E-08	3.67E-06	3.02E-06	6.17E-03	5.28E-04	1.76E-03
1,3-Butadiene	1.06E-01	1.05E-01	6.00E-01	5.71E-04	5.71E-03	5.22E-06	4.48E-07	2.11E-05	1.74E-05	1.78E-02	1.52E-03	5.08E-03
Ethylbenzene	1.19E-02	8.75E-03	8.70E-03	2.86E-01	5.71E-01	8.52E-09	7.31E-10	3.45E-08	2.84E-08	2.00E-05	1.71E-06	5.72E-06
Formaldehyde	7.60E-01	4.55E-02	2.10E-02	2.80E-03	2.57E-03	1.31E-06	1.12E-07	5.31E-06	4.37E-06	2.83E-01	2.43E-02	8.10E-02
Methyl alcohol	1.12E-01	NA	NA	1.14E+00	1.14E+00	NC	NC	NC	NC	9.38E-05	8.04E-06	2.68E-05
Methyl ethyl ketone	1.17E-04	NA	NA	1.43E+00	NA	NC	NC	NC	NC	7.84E-08	6.72E-09	2.24E-08
Naphthalene	3.36E-02	1.19E-01	1.20E-01	8.57E-04	2.57E-03	3.31E-07	2.84E-08	1.34E-06	1.10E-06	1.25E-02	1.07E-03	3.58E-03
Hexane, n-	-2.99E-03	NA	NA	2.00E-01	2.00E+00	NC	NC	NC	NC	-1.43E-06	-1.23E-07	-4.10E-07
Phenol	4.50E-02	NA	NA	5.71E-02	5.71E-02	NC	NC	NC	NC	7.55E-04	6.47E-05	2.16E-04
Propylene	2.79E-01	NA	NA	8.57E-01	8.57E-01	NC	NC	NC	NC	3.12E-04	2.68E-05	8.92E-05
Styrene	1.93E-02	NA	NA	2.86E-01	2.57E-01	NC	NC	NC	NC	7.19E-05	6.16E-06	2.05E-05
Toluene	4.11E-02	NA	NA	1.43E+00	8.57E-02	NC	NC	NC	NC	4.60E-04	3.95E-05	1.32E-04
Xylene (total)	3.18E-02	NA	NA	2.86E-02	2.00E-01	NC	NC	NC	NC	1.52E-04	1.31E-05	4.35E-05
Chlorine	-8.22E-05	NA	NA	4.29E-05	5.71E-05	NC	NC	NC	NC	-1.38E-03	-1.18E-04	-3.94E-04
Chromium (VI)	3.62E-06	4.20E+01	5.10E+02	2.86E-05	5.71E-05	1.52E-07	1.30E-08	6.14E-07	5.05E-07	6.07E-05	5.20E-06	1.73E-05
Copper	1.34E-05	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC
Lead	3.09E-05	NA	4.20E-02	NA	NA	1.07E-10	9.13E-12	4.31E-10	3.55E-10	NC	NC	NC
Manganese	1.62E-05	NA	NA	1.43E-05	2.57E-05	NC	NC	NC	NC	6.06E-04	5.19E-05	1.73E-04
Nickel	-5.87E-07	8.40E-01	9.10E-01	1.43E-05	1.43E-05	-4.39E-11	-3.76E-12	-1.78E-10	-1.46E-10	-3.94E-05	-3.38E-06	-1.13E-05
Diesel PM	-1.18E-01	NA	1.10E+00	1.43E-03	1.43E-03	-1.07E-05	-9.17E-07	-4.33E-05	-3.56E-05	-7.94E-02	-6.80E-03	-2.27E-02
					TOTAL	**-2.5E-06**	**-2.2E-07**	**-1.0E-05**	**-8.5E-06**	**1.698**	**0.1455**	**0.4851**

[1] Residential Maximum Grid No. 81
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 5-6B
RAGS A Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 5, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Maximum Range
(Based on Peak Location of Residential Hazards[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Inhalation rate	15 (m^3/day)	6 (m^3/day)	20 (m^3/day)
Exposure Duration	6 (years)	6 (years)	70 (years)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Body Weight	15 (kg)	40 (kg)	70 (kg)
Averaging Time (non-carcinogenic)	2190 (d)	2190 (d)	25550 (d)
Averaging Time (carcinogenic)	25550 (d)	25550 (d)	25550 (d)
Conversion Factor	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)

RAGS A Inhalation Equations

CDI = (CA x CF x IR x EF x ED) / (BW AT)
Risk = SFi x CDI
HQ =CDI / REL

Where:
CDI = Chronic Daily Intake
CA = Concentration in Air
CF = Conversion Factor
IR = Inhalation Rate
EF = Exposure Frequency
ED = Exposure Duration
ET = Exposure Time

		Toxicity Criteria				Cancer Risks				Hazard Quotients		
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	CalEPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	EPA RfDi (mg/kg-d)	CalEPA Proposed REL (mg/kg-d)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult+Child Resident	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	2.64E-01	7.70E-03	1.00E-02	2.57E-03	4.00E-02	2.17E-07	1.86E-08	8.80E-07	7.25E-07	6.34E-03	5.43E-04	1.81E-03
Acrolein	1.51E-01	NA	NA	5.71E-06	1.00E-04	NC	NC	NC	NC	1.45E+00	1.24E-01	4.14E-01
Benzene	1.10E-01	7.70E-03	1.00E-01	8.57E-03	1.71E-02	9.06E-07	7.77E-08	3.67E-06	3.02E-06	6.17E-03	5.28E-04	1.76E-03
1,3-Butadiene	1.06E-01	1.05E-01	6.00E-01	5.71E-04	5.71E-03	5.22E-06	4.48E-07	2.11E-05	1.74E-05	1.78E-02	1.52E-03	5.08E-03
Ethylbenzene	1.19E-02	8.75E-03	8.70E-03	2.86E-01	5.71E-01	8.52E-09	7.31E-10	3.45E-08	2.84E-08	2.00E-05	1.71E-06	5.72E-06
Formaldehyde	7.60E-01	4.55E-02	2.10E-02	2.80E-03	2.57E-03	1.31E-06	1.12E-07	5.31E-06	4.37E-06	2.83E-01	2.43E-02	8.10E-02
Methyl alcohol	1.12E-01	NA	NA	1.14E+00	1.14E+00	NC	NC	NC	NC	9.38E-05	8.04E-06	2.68E-05
Methyl ethyl ketone	1.17E-04	NA	NA	1.43E+00	NA	NC	NC	NC	NC	7.84E-08	6.72E-09	2.24E-08
Naphthalene	3.36E-02	1.19E-01	1.20E-01	8.57E-04	2.57E-03	3.31E-07	2.84E-08	1.34E-06	1.10E-06	1.25E-02	1.07E-03	3.58E-03
Hexane, n-	-2.99E-03	NA	NA	2.00E-01	2.00E+00	NC	NC	NC	NC	-1.43E-06	-1.23E-07	-4.10E-07
Phenol	4.50E-02	NA	NA	5.71E-02	5.71E-02	NC	NC	NC	NC	7.55E-04	6.47E-05	2.16E-04
Propylene	2.79E-01	NA	NA	8.57E-01	8.57E-01	NC	NC	NC	NC	3.12E-04	2.68E-05	8.92E-05
Styrene	1.93E-02	NA	NA	2.86E-01	2.57E-01	NC	NC	NC	NC	7.19E-05	6.16E-06	2.05E-05
Toluene	4.11E-02	NA	NA	1.43E+00	8.57E-02	NC	NC	NC	NC	4.60E-04	3.95E-05	1.32E-04
Xylene (total)	3.18E-02	NA	NA	2.86E-02	2.00E-01	NC	NC	NC	NC	1.52E-04	1.31E-05	4.35E-05
Chlorine	-8.22E-05	NA	NA	4.29E-05	5.71E-05	NC	NC	NC	NC	-1.38E-03	-1.18E-04	-3.94E-04
Chromium (VI)	3.62E-06	4.20E+01	5.10E+02	2.86E-05	5.71E-05	1.52E-07	1.30E-08	6.14E-07	5.05E-07	6.07E-05	5.20E-06	1.73E-05
Copper	1.34E-05	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC
Lead	3.09E-05	NA	4.20E-02	NA	NA	1.07E-10	9.13E-12	4.31E-10	3.55E-10	NC	NC	NC
Manganese	1.62E-05	NA	NA	1.43E-05	2.57E-05	NC	NC	NC	NC	6.06E-04	5.19E-05	1.73E-04
Nickel	-5.87E-07	8.40E-01	9.10E-01	1.43E-05	1.43E-05	-4.39E-11	-3.76E-12	-1.78E-10	-1.46E-10	-3.94E-05	-3.38E-06	-1.13E-05
Diesel PM	-1.18E-01	NA	1.10E+00	1.43E-03	1.43E-03	-1.07E-05	-9.17E-07	-4.33E-05	-3.56E-05	-7.94E-02	-6.80E-03	-2.27E-02
					TOTAL	**-2.5E-06**	**-2.2E-07**	**-1.0E-05**	**-8.5E-06**	**1.70**	**0.146**	**0.49**

[1] Residential Maximum Grid No. 81
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 5-6C
RAGS A Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 5, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Maximum Range
(Based on Peak Location of Commercial Cancer Risks[1])

Exposure Parameters	Adult Worker
Inhalation rate	10 (m^3/day)
Exposure Duration	40 (years)
Exposure Frequency	245 (days/year)
Body Weight	70 (kg)
Averaging Time (non-carcinogenic)	14600 (d)
Averaging Time (carcinogenic)	25550 (d)
Conversion Factor	1.00E-03 (mg/ug)

RAGS A Inhalation Equations

CDI = (CA x CF x IR x EF x ED) / (BW AT)
Risk = SFi x CDI
HQ =CDI / REL

Where:
CDI = Chronic Daily Intake
CA = Concentration in Air
CF = Conversion Factor
IR = Inhalation Rate
EF = Exposure Frequency
ED = Exposure Duration
ET = Exposure Time

		Toxicity Criteria				Cancer Risks	Hazard Quotients
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	CalEPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	EPA RfDi (mg/kg-d)	CalEPA Proposed REL (mg/kg-d)	Cancer Risk to Adult Worker	Hazard Quotient Adult Worker
Acetaldehyde	1.93E-02	7.70E-03	1.00E-02	2.57E-03	4.00E-02	1.10E-08	4.80E-05
Acrolein	1.15E-02	NA	NA	5.71E-06	1.00E-04	NC	1.15E-02
Benzene	-1.02E-02	7.70E-03	1.00E-01	8.57E-03	1.71E-02	-5.83E-08	-5.96E-05
1,3-Butadiene	4.10E-03	1.05E-01	6.00E-01	5.71E-04	5.71E-03	1.40E-07	7.15E-05
Ethylbenzene	-5.83E-03	8.75E-03	8.70E-03	2.86E-01	5.71E-01	-2.89E-09	-1.02E-06
Formaldehyde	5.30E-02	4.55E-02	2.10E-02	2.80E-03	2.57E-03	6.35E-08	2.06E-03
Methyl alcohol	8.09E-03	NA	NA	1.14E+00	1.14E+00	NC	7.06E-07
Methyl ethyl ketone	-1.91E-04	NA	NA	1.43E+00	NA	NC	-1.34E-08
Naphthalene	2.31E-03	1.19E-01	1.20E-01	8.57E-04	2.57E-03	1.58E-08	8.94E-05
Hexane, n-	-6.50E-03	NA	NA	2.00E-01	2.00E+00	NC	-3.24E-07
Phenol	3.51E-03	NA	NA	5.71E-02	5.71E-02	NC	6.12E-06
Propylene	6.47E-03	NA	NA	8.57E-01	8.57E-01	NC	7.53E-07
Styrene	7.09E-04	NA	NA	2.86E-01	2.57E-01	NC	2.75E-07
Toluene	-2.97E-02	NA	NA	1.43E+00	8.57E-02	NC	-3.46E-05
Xylene (total)	-2.75E-02	NA	NA	2.86E-02	2.00E-01	NC	-1.37E-05
Chlorine	-2.55E-04	NA	NA	4.29E-05	5.71E-05	NC	-4.45E-04
Chromium (VI)	6.04E-08	4.20E+01	5.10E+02	2.86E-05	5.71E-05	1.76E-09	1.05E-07
Copper	-1.24E-06	NA	NA	NA	NA	NC	NC
Lead	1.28E-06	NA	4.20E-02	NA	NA	3.07E-12	NC
Manganese	-1.12E-06	NA	NA	1.43E-05	2.57E-05	NC	-4.35E-06
Nickel	-1.82E-06	8.40E-01	9.10E-01	1.43E-05	1.43E-05	-9.44E-11	-1.27E-05
Diesel PM	-1.02E-01	NA	1.10E+00	1.43E-03	1.43E-03	-6.40E-06	-7.12E-03
					TOTAL	**-6.2E-06**	**0.0061**

[1] Commercial Maximum Grid No. **266**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 5-7A
RAGS A Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 6, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
(Based on Peak Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Inhalation rate	15 (m^3/day)	6 (m^3/day)	20 (m^3/day)
Exposure Duration	6 (years)	6 (years)	70 (years)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Body Weight	15 (kg)	40 (kg)	70 (kg)
Averaging Time (non-carcinogenic)	2190 (d)	2190 (d)	25550 (d)
Averaging Time (carcinogenic)	25550 (d)	25550 (d)	25550 (d)
Conversion Factor	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)

RAGS A Inhalation Equations

CDI = (CA x CF x IR x EF x ED) / (BW AT)
Risk = SFi x CDI
HQ =CDI / REL

Where:
CDI = Chronic Daily Intake
CA = Concentration in Air
CF = Conversion Factor
IR = Inhalation Rate
EF = Exposure Frequency
ED = Exposure Duration
ET = Exposure Time

		Toxicity Criteria				Cancer Risks				Hazard Quotients		
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	CalEPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	EPA RfDi (mg/kg-d)	CalEPA Proposed REL (mg/kg-d)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult+Child Resident	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	1.75E-02	7.70E-03	1.00E-02	2.57E-03	4.00E-02	1.44E-08	1.23E-09	5.83E-08	4.80E-08	4.20E-04	3.60E-05	1.20E-04
Acrolein	1.01E-02	NA	NA	5.71E-06	1.00E-04	NC	NC	NC	NC	9.68E-02	8.30E-03	2.77E-02
Benzene	3.62E-03	7.70E-03	1.00E-01	8.57E-03	1.71E-02	2.98E-08	2.55E-09	1.20E-07	9.92E-08	2.02E-04	1.74E-05	5.79E-05
1,3-Butadiene	6.31E-03	1.05E-01	6.00E-01	5.71E-04	5.71E-03	3.11E-07	2.67E-08	1.26E-06	1.04E-06	1.06E-03	9.07E-05	3.02E-04
Ethylbenzene	-6.80E-04	8.75E-03	8.70E-03	2.86E-01	5.71E-01	-4.86E-10	-4.17E-11	-1.97E-09	-1.62E-09	-1.14E-06	-9.78E-08	-3.26E-07
Formaldehyde	4.95E-02	4.55E-02	2.10E-02	2.80E-03	2.57E-03	8.55E-08	7.33E-09	3.46E-07	2.85E-07	1.85E-02	1.58E-03	5.28E-03
Methyl alcohol	7.40E-03	NA	NA	1.14E+00	1.14E+00	NC	NC	NC	NC	6.21E-06	5.32E-07	1.77E-06
Methyl ethyl ketone	-2.73E-05	NA	NA	1.43E+00	NA	NC	NC	NC	NC	-1.83E-08	-1.57E-09	-5.24E-09
Naphthalene	2.20E-03	1.19E-01	1.20E-01	8.57E-04	2.57E-03	2.17E-08	1.86E-09	8.79E-08	7.24E-08	8.21E-04	7.03E-05	2.34E-04
Hexane, n-	-2.01E-03	NA	NA	2.00E-01	2.00E+00	NC	NC	NC	NC	-9.64E-07	-8.27E-08	-2.76E-07
Phenol	3.04E-03	NA	NA	5.71E-02	5.71E-02	NC	NC	NC	NC	5.10E-05	4.37E-06	1.46E-05
Propylene	1.50E-02	NA	NA	8.57E-01	8.57E-01	NC	NC	NC	NC	1.68E-05	1.44E-06	4.80E-06
Styrene	1.13E-03	NA	NA	2.86E-01	2.57E-01	NC	NC	NC	NC	4.21E-06	3.61E-07	1.20E-06
Toluene	-4.90E-03	NA	NA	1.43E+00	8.57E-02	NC	NC	NC	NC	-5.48E-05	-4.70E-06	-1.57E-05
Xylene (total)	-4.54E-03	NA	NA	2.86E-02	2.00E-01	NC	NC	NC	NC	-2.17E-05	-1.86E-06	-6.21E-06
Chlorine	-5.32E-05	NA	NA	4.29E-05	5.71E-05	NC	NC	NC	NC	-8.93E-04	-7.66E-05	-2.55E-04
Chromium (VI)	2.40E-07	4.20E+01	5.10E+02	2.86E-05	5.71E-05	1.01E-08	8.61E-10	4.07E-08	3.35E-08	4.02E-06	3.45E-07	1.15E-06
Copper	6.15E-07	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC
Lead	2.19E-06	NA	4.20E-02	NA	NA	7.56E-12	6.48E-13	3.06E-11	2.52E-11	NC	NC	NC
Manganese	8.14E-07	NA	NA	1.43E-05	2.57E-05	NC	NC	NC	NC	3.04E-05	2.60E-06	8.67E-06
Nickel	-3.80E-07	8.40E-01	9.10E-01	1.43E-05	1.43E-05	-2.84E-11	-2.44E-12	-1.15E-10	-9.48E-11	-2.55E-05	-2.19E-06	-7.29E-06
Diesel PM	-3.48E-02	NA	1.10E+00	1.43E-03	1.43E-03	-3.14E-06	-2.70E-07	-1.27E-05	-1.05E-05	-2.33E-02	-2.00E-03	-6.67E-03
					TOTAL	**-2.7E-06**	**-2.3E-07**	**-1.1E-05**	**-8.9E-06**	**0.094**	**0.0080**	**0.0267**

[1] Residential Maximum Grid No. 28
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 5-7B
RAGS A Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 6, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
(Based on Peak Location of Residential Hazards[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Inhalation rate	15 (m^3/day)	6 (m^3/day)	20 (m^3/day)
Exposure Duration	6 (years)	6 (years)	70 (years)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Body Weight	15 (kg)	40 (kg)	70 (kg)
Averaging Time (non-carcinogenic)	2190 (d)	2190 (d)	25550 (d)
Averaging Time (carcinogenic)	25550 (d)	25550 (d)	25550 (d)
Conversion Factor	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)

RAGS A Inhalation Equations

CDI = (CA x CF x IR x EF x ED) / (BW AT)
Risk = SFi x CDI
HQ =CDI / REL

Where:
CDI = Chronic Daily Intake
CA = Concentration in Air
CF = Conversion Factor
IR = Inhalation Rate
EF = Exposure Frequency
ED = Exposure Duration
ET = Exposure Time

		Toxicity Criteria				Cancer Risks				Hazard Quotients		
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	CalEPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	EPA RfDi (mg/kg-d)	CalEPA Proposed REL (mg/kg-d)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult+Child Resident	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	2.28E-01	7.70E-03	1.00E-02	2.57E-03	4.00E-02	1.87E-07	1.60E-08	7.57E-07	6.24E-07	5.46E-03	4.68E-04	1.56E-03
Acrolein	1.30E-01	NA	NA	5.71E-06	1.00E-04	NC	NC	NC	NC	1.25E+00	1.07E-01	3.56E-01
Benzene	9.49E-02	7.70E-03	1.00E-01	8.57E-03	1.71E-02	7.80E-07	6.69E-08	3.16E-06	2.60E-06	5.31E-03	4.55E-04	1.52E-03
1,3-Butadiene	9.12E-02	1.05E-01	6.00E-01	5.71E-04	5.71E-03	4.50E-06	3.85E-07	1.82E-05	1.50E-05	1.53E-02	1.31E-03	4.37E-03
Ethylbenzene	1.00E-02	8.75E-03	8.70E-03	2.86E-01	5.71E-01	7.18E-09	6.16E-10	2.91E-08	2.39E-08	1.69E-05	1.44E-06	4.82E-06
Formaldehyde	6.54E-01	4.55E-02	2.10E-02	2.80E-03	2.57E-03	1.13E-06	9.67E-08	4.57E-06	3.76E-06	2.44E-01	2.09E-02	6.96E-02
Methyl alcohol	9.62E-02	NA	NA	1.14E+00	1.14E+00	NC	NC	NC	NC	8.07E-05	6.92E-06	2.31E-05
Methyl ethyl ketone	1.10E-04	NA	NA	1.43E+00	NA	NC	NC	NC	NC	7.40E-08	6.34E-09	2.11E-08
Naphthalene	2.89E-02	1.19E-01	1.20E-01	8.57E-04	2.57E-03	2.85E-07	2.44E-08	1.15E-06	9.51E-07	1.08E-02	9.24E-04	3.08E-03
Hexane, n-	-3.57E-03	NA	NA	2.00E-01	2.00E+00	NC	NC	NC	NC	-1.71E-06	-1.47E-07	-4.89E-07
Phenol	3.87E-02	NA	NA	5.71E-02	5.71E-02	NC	NC	NC	NC	6.50E-04	5.57E-05	1.86E-04
Propylene	2.39E-01	NA	NA	8.57E-01	8.57E-01	NC	NC	NC	NC	2.67E-04	2.29E-05	7.64E-05
Styrene	1.66E-02	NA	NA	2.86E-01	2.57E-01	NC	NC	NC	NC	6.18E-05	5.30E-06	1.77E-05
Toluene	3.35E-02	NA	NA	1.43E+00	8.57E-02	NC	NC	NC	NC	3.75E-04	3.22E-05	1.07E-04
Xylene (total)	2.62E-02	NA	NA	2.86E-02	2.00E-01	NC	NC	NC	NC	1.26E-04	1.08E-05	3.59E-05
Chlorine	-1.93E-04	NA	NA	4.29E-05	5.71E-05	NC	NC	NC	NC	-3.24E-03	-2.77E-04	-9.25E-04
Chromium (VI)	3.11E-06	4.20E+01	5.10E+02	2.86E-05	5.71E-05	1.30E-07	1.12E-08	5.28E-07	4.35E-07	5.22E-05	4.48E-06	1.49E-05
Copper	1.09E-05	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC
Lead	2.69E-05	NA	4.20E-02	NA	NA	9.29E-11	7.97E-12	3.76E-10	3.10E-10	NC	NC	NC
Manganese	1.33E-05	NA	NA	1.43E-05	2.57E-05	NC	NC	NC	NC	4.96E-04	4.25E-05	1.42E-04
Nickel	-1.38E-06	8.40E-01	9.10E-01	1.43E-05	1.43E-05	-1.03E-10	-8.83E-12	-4.17E-10	-3.44E-10	-9.25E-05	-7.93E-06	-2.64E-05
Diesel PM	-1.21E-01	NA	1.10E+00	1.43E-03	1.43E-03	-1.10E-05	-9.41E-07	-4.45E-05	-3.66E-05	-8.15E-02	-6.99E-03	-2.33E-02
					TOTAL	**-4.0E-06**	**-3.4E-07**	**-1.6E-05**	**-1.3E-05**	**1.45**	**0.124**	**0.41**

[1] Residential Maximum Grid No. 81
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 5-7C
RAGS A Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 6, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
(Based on Peak Location of Commercial Cancer Risks[1])

Exposure Parameters	Adult Worker
Inhalation rate	10 (m^3/day)
Exposure Duration	40 (years)
Exposure Frequency	245 (days/year)
Body Weight	70 (kg)
Averaging Time (non-carcinogenic)	14600 (d)
Averaging Time (carcinogenic)	25550 (d)
Conversion Factor	1.00E-03 (mg/ug)

RAGS A Inhalation Equations

CDI = (CA x CF x IR x EF x ED) / (BW AT)
Risk = SFi x CDI
HQ =CDI / REL

Where:
CDI = Chronic Daily Intake
CA = Concentration in Air
CF = Conversion Factor
IR = Inhalation Rate
EF = Exposure Frequency
ED = Exposure Duration
ET = Exposure Time

		Toxicity Criteria				Cancer Risks	Hazard Quotients
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	CalEPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	EPA RfDi (mg/kg-d)	CalEPA Proposed REL (mg/kg-d)	Cancer Risk to Adult Worker	Hazard Quotient Adult Worker
Acetaldehyde	1.79E-02	7.70E-03	1.00E-02	2.57E-03	4.00E-02	1.02E-08	4.46E-05
Acrolein	1.07E-02	NA	NA	5.71E-06	1.00E-04	NC	1.07E-02
Benzene	-1.11E-02	7.70E-03	1.00E-01	8.57E-03	1.71E-02	-6.31E-08	-6.44E-05
1,3-Butadiene	3.50E-03	1.05E-01	6.00E-01	5.71E-04	5.71E-03	1.20E-07	6.11E-05
Ethylbenzene	-6.02E-03	8.75E-03	8.70E-03	2.86E-01	5.71E-01	-2.98E-09	-1.05E-06
Formaldehyde	4.90E-02	4.55E-02	2.10E-02	2.80E-03	2.57E-03	5.86E-08	1.90E-03
Methyl alcohol	7.51E-03	NA	NA	1.14E+00	1.14E+00	NC	6.55E-07
Methyl ethyl ketone	-1.94E-04	NA	NA	1.43E+00	NA	NC	-1.35E-08
Naphthalene	2.13E-03	1.19E-01	1.20E-01	8.57E-04	2.57E-03	1.46E-08	8.26E-05
Hexane, n-	-6.70E-03	NA	NA	2.00E-01	2.00E+00	NC	-3.34E-07
Phenol	3.28E-03	NA	NA	5.71E-02	5.71E-02	NC	5.72E-06
Propylene	4.67E-03	NA	NA	8.57E-01	8.57E-01	NC	5.43E-07
Styrene	5.97E-04	NA	NA	2.86E-01	2.57E-01	NC	2.32E-07
Toluene	-3.06E-02	NA	NA	1.43E+00	8.57E-02	NC	-3.57E-05
Xylene (total)	-2.82E-02	NA	NA	2.86E-02	2.00E-01	NC	-1.41E-05
Chlorine	-2.91E-04	NA	NA	4.29E-05	5.71E-05	NC	-5.07E-04
Chromium (VI)	3.56E-08	4.20E+01	5.10E+02	2.86E-05	5.71E-05	1.04E-09	6.22E-08
Copper	-1.54E-06	NA	NA	NA	NA	NC	NC
Lead	1.18E-06	NA	4.20E-02	NA	NA	2.82E-12	NC
Manganese	-1.43E-06	NA	NA	1.43E-05	2.57E-05	NC	-5.55E-06
Nickel	-2.08E-06	8.40E-01	9.10E-01	1.43E-05	1.43E-05	-1.08E-10	-1.45E-05
Diesel PM	-1.03E-01	NA	1.10E+00	1.43E-03	1.43E-03	-6.44E-06	-7.17E-03
					TOTAL	**-6.3E-06**	**0.0050**

[1] Commercial Maximum Grid No. **266**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 5-8A
RAGS A Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 6, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Maximum Range
(Based on Peak Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Inhalation rate	15 (m^3/day)	6 (m^3/day)	20 (m^3/day)
Exposure Duration	6 (years)	6 (years)	70 (years)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Body Weight	15 (kg)	40 (kg)	70 (kg)
Averaging Time (non-carcinogenic)	2190 (d)	2190 (d)	25550 (d)
Averaging Time (carcinogenic)	25550 (d)	25550 (d)	25550 (d)
Conversion Factor	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)

RAGS A Inhalation Equations

CDI = (CA x CF x IR x EF x ED) / (BW AT)
Risk = SFi x CDI
HQ =CDI / REL

Where:
CDI = Chronic Daily Intake
CA = Concentration in Air
CF = Conversion Factor
IR = Inhalation Rate
EF = Exposure Frequency
ED = Exposure Duration
ET = Exposure Time

		Toxicity Criteria				Cancer Risks				Hazard Quotients		
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	CalEPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	EPA RfDi (mg/kg-d)	CalEPA Proposed REL (mg/kg-d)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult+Child Resident	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	1.75E-02	7.70E-03	1.00E-02	2.57E-03	4.00E-02	1.44E-08	1.24E-09	5.84E-08	4.81E-08	4.21E-04	3.61E-05	1.20E-04
Acrolein	1.01E-02	NA	NA	5.71E-06	1.00E-04	NC	NC	NC	NC	9.69E-02	8.31E-03	2.77E-02
Benzene	3.86E-03	7.70E-03	1.00E-01	8.57E-03	1.71E-02	3.17E-08	2.72E-09	1.29E-07	1.06E-07	2.16E-04	1.85E-05	6.17E-05
1,3-Butadiene	6.36E-03	1.05E-01	6.00E-01	5.71E-04	5.71E-03	3.14E-07	2.69E-08	1.27E-06	1.05E-06	1.07E-03	9.15E-05	3.05E-04
Ethylbenzene	-5.77E-04	8.75E-03	8.70E-03	2.86E-01	5.71E-01	-4.12E-10	-3.53E-11	-1.67E-09	-1.37E-09	-9.68E-07	-8.30E-08	-2.77E-07
Formaldehyde	4.97E-02	4.55E-02	2.10E-02	2.80E-03	2.57E-03	8.58E-08	7.35E-09	3.47E-07	2.86E-07	1.85E-02	1.59E-03	5.29E-03
Methyl alcohol	7.41E-03	NA	NA	1.14E+00	1.14E+00	NC	NC	NC	NC	6.22E-06	5.33E-07	1.78E-06
Methyl ethyl ketone	-2.55E-05	NA	NA	1.43E+00	NA	NC	NC	NC	NC	-1.71E-08	-1.47E-09	-4.89E-09
Naphthalene	2.21E-03	1.19E-01	1.20E-01	8.57E-04	2.57E-03	2.18E-08	1.86E-09	8.80E-08	7.25E-08	8.22E-04	7.05E-05	2.35E-04
Hexane, n-	-1.85E-03	NA	NA	2.00E-01	2.00E+00	NC	NC	NC	NC	-8.89E-07	-7.62E-08	-2.54E-07
Phenol	3.04E-03	NA	NA	5.71E-02	5.71E-02	NC	NC	NC	NC	5.10E-05	4.37E-06	1.46E-05
Propylene	1.53E-02	NA	NA	8.57E-01	8.57E-01	NC	NC	NC	NC	1.71E-05	1.47E-06	4.90E-06
Styrene	1.14E-03	NA	NA	2.86E-01	2.57E-01	NC	NC	NC	NC	4.25E-06	3.65E-07	1.22E-06
Toluene	-4.34E-03	NA	NA	1.43E+00	8.57E-02	NC	NC	NC	NC	-4.85E-05	-4.16E-06	-1.39E-05
Xylene (total)	-4.06E-03	NA	NA	2.86E-02	2.00E-01	NC	NC	NC	NC	-1.95E-05	-1.67E-06	-5.57E-06
Chlorine	-2.35E-05	NA	NA	4.29E-05	5.71E-05	NC	NC	NC	NC	-3.94E-04	-3.38E-05	-1.13E-04
Chromium (VI)	2.50E-07	4.20E+01	5.10E+02	2.86E-05	5.71E-05	1.05E-08	9.00E-10	4.25E-08	3.50E-08	4.20E-06	3.60E-07	1.20E-06
Copper	8.28E-07	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC
Lead	2.19E-06	NA	4.20E-02	NA	NA	7.56E-12	6.48E-13	3.06E-11	2.52E-11	NC	NC	NC
Manganese	1.03E-06	NA	NA	1.43E-05	2.57E-05	NC	NC	NC	NC	3.83E-05	3.28E-06	1.09E-05
Nickel	-1.68E-07	8.40E-01	9.10E-01	1.43E-05	1.43E-05	-1.25E-11	-1.07E-12	-5.07E-11	-4.18E-11	-1.13E-05	-9.64E-07	-3.21E-06
Diesel PM	-3.44E-02	NA	1.10E+00	1.43E-03	1.43E-03	-3.11E-06	-2.67E-07	-1.26E-05	-1.04E-05	-2.31E-02	-1.98E-03	-6.61E-03
					TOTAL	**-2.6E-06**	**-2.3E-07**	**-1.1E-05**	**-8.8E-06**	**0.094**	**0.0081**	**0.0270**

[1] Residential Maximum Grid No. 28
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 5-8B
RAGS A Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 6, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Maximum Range
(Based on Peak Location of Residential Hazards[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Inhalation rate	15 (m^3/day)	6 (m^3/day)	20 (m^3/day)
Exposure Duration	6 (years)	6 (years)	70 (years)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Body Weight	15 (kg)	40 (kg)	70 (kg)
Averaging Time (non-carcinogenic)	2190 (d)	2190 (d)	25550 (d)
Averaging Time (carcinogenic)	25550 (d)	25550 (d)	25550 (d)
Conversion Factor	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)

RAGS A Inhalation Equations

CDI = (CA x CF x IR x EF x ED) / (BW AT)
Risk = SFi x CDI
HQ =CDI / REL

Where:
CDI = Chronic Daily Intake
CA = Concentration in Air
CF = Conversion Factor
IR = Inhalation Rate
EF = Exposure Frequency
ED = Exposure Duration
ET = Exposure Time

		Toxicity Criteria				Cancer Risks				Hazard Quotients		
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	CalEPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	EPA RfDi (mg/kg-d)	CalEPA Proposed REL (mg/kg-d)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult+Child Resident	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	2.28E-01	7.70E-03	1.00E-02	2.57E-03	4.00E-02	1.87E-07	1.60E-08	7.58E-07	6.24E-07	5.46E-03	4.68E-04	1.56E-03
Acrolein	1.30E-01	NA	NA	5.71E-06	1.00E-04	NC	NC	NC	NC	1.25E+00	1.07E-01	3.57E-01
Benzene	9.58E-02	7.70E-03	1.00E-01	8.57E-03	1.71E-02	7.87E-07	6.75E-08	3.19E-06	2.62E-06	5.36E-03	4.59E-04	1.53E-03
1,3-Butadiene	9.14E-02	1.05E-01	6.00E-01	5.71E-04	5.71E-03	4.51E-06	3.86E-07	1.82E-05	1.50E-05	1.53E-02	1.31E-03	4.38E-03
Ethylbenzene	1.04E-02	8.75E-03	8.70E-03	2.86E-01	5.71E-01	7.46E-09	6.39E-10	3.02E-08	2.49E-08	1.75E-05	1.50E-06	5.00E-06
Formaldehyde	6.54E-01	4.55E-02	2.10E-02	2.80E-03	2.57E-03	1.13E-06	9.68E-08	4.57E-06	3.76E-06	2.44E-01	2.09E-02	6.97E-02
Methyl alcohol	9.63E-02	NA	NA	1.14E+00	1.14E+00	NC	NC	NC	NC	8.08E-05	6.92E-06	2.31E-05
Methyl ethyl ketone	1.17E-04	NA	NA	1.43E+00	NA	NC	NC	NC	NC	7.84E-08	6.72E-09	2.24E-08
Naphthalene	2.89E-02	1.19E-01	1.20E-01	8.57E-04	2.57E-03	2.85E-07	2.45E-08	1.16E-06	9.51E-07	1.08E-02	9.25E-04	3.08E-03
Hexane, n-	-2.99E-03	NA	NA	2.00E-01	2.00E+00	NC	NC	NC	NC	-1.43E-06	-1.23E-07	-4.10E-07
Phenol	3.87E-02	NA	NA	5.71E-02	5.71E-02	NC	NC	NC	NC	6.50E-04	5.57E-05	1.86E-04
Propylene	2.40E-01	NA	NA	8.57E-01	8.57E-01	NC	NC	NC	NC	2.69E-04	2.30E-05	7.67E-05
Styrene	1.66E-02	NA	NA	2.86E-01	2.57E-01	NC	NC	NC	NC	6.20E-05	5.31E-06	1.77E-05
Toluene	3.56E-02	NA	NA	1.43E+00	8.57E-02	NC	NC	NC	NC	3.99E-04	3.42E-05	1.14E-04
Xylene (total)	2.79E-02	NA	NA	2.86E-02	2.00E-01	NC	NC	NC	NC	1.34E-04	1.15E-05	3.83E-05
Chlorine	-8.22E-05	NA	NA	4.29E-05	5.71E-05	NC	NC	NC	NC	-1.38E-03	-1.18E-04	-3.94E-04
Chromium (VI)	3.15E-06	4.20E+01	5.10E+02	2.86E-05	5.71E-05	1.32E-07	1.13E-08	5.35E-07	4.40E-07	5.29E-05	4.53E-06	1.51E-05
Copper	1.16E-05	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC
Lead	2.69E-05	NA	4.20E-02	NA	NA	9.29E-11	7.97E-12	3.76E-10	3.10E-10	NC	NC	NC
Manganese	1.41E-05	NA	NA	1.43E-05	2.57E-05	NC	NC	NC	NC	5.26E-04	4.51E-05	1.50E-04
Nickel	-5.87E-07	8.40E-01	9.10E-01	1.43E-05	1.43E-05	-4.39E-11	-3.76E-12	-1.78E-10	-1.46E-10	-3.94E-05	-3.38E-06	-1.13E-05
Diesel PM	-1.20E-01	NA	1.10E+00	1.43E-03	1.43E-03	-1.09E-05	-9.33E-07	-4.41E-05	-3.63E-05	-8.08E-02	-6.93E-03	-2.31E-02
					TOTAL	**-3.9E-06**	**-3.3E-07**	**-1.6E-05**	**-1.3E-05**	**1.45**	**0.124**	**0.41**

[1] Residential Maximum Grid No. 81
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 5-8C
RAGS A Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 6, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Maximum Range
(Based on Peak Location of Commercial Cancer Risks[1])

Exposure Parameters	Adult Worker
Inhalation rate	10 (m^3/day)
Exposure Duration	40 (years)
Exposure Frequency	245 (days/year)
Body Weight	70 (kg)
Averaging Time (non-carcinogenic)	14600 (d)
Averaging Time (carcinogenic)	25550 (d)
Conversion Factor	1.00E-03 (mg/ug)

RAGS A Inhalation Equations

CDI = (CA x CF x IR x EF x ED) / (BW AT)
Risk = SFi x CDI
HQ =CDI / REL

Where:
CDI = Chronic Daily Intake
CA = Concentration in Air
CF = Conversion Factor
IR = Inhalation Rate
EF = Exposure Frequency
ED = Exposure Duration
ET = Exposure Time

		Toxicity Criteria				Cancer Risks	Hazard Quotients
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	CalEPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	EPA RfDi (mg/kg-d)	CalEPA Proposed REL (mg/kg-d)	Cancer Risk to Adult Worker	Hazard Quotient Adult Worker
Acetaldehyde	1.79E-02	7.70E-03	1.00E-02	2.57E-03	4.00E-02	1.02E-08	4.47E-05
Acrolein	1.08E-02	NA	NA	5.71E-06	1.00E-04	NC	1.07E-02
Benzene	-1.08E-02	7.70E-03	1.00E-01	8.57E-03	1.71E-02	-6.14E-08	-6.26E-05
1,3-Butadiene	3.57E-03	1.05E-01	6.00E-01	5.71E-04	5.71E-03	1.22E-07	6.23E-05
Ethylbenzene	-5.89E-03	8.75E-03	8.70E-03	2.86E-01	5.71E-01	-2.92E-09	-1.03E-06
Formaldehyde	4.92E-02	4.55E-02	2.10E-02	2.80E-03	2.57E-03	5.88E-08	1.91E-03
Methyl alcohol	7.52E-03	NA	NA	1.14E+00	1.14E+00	NC	6.56E-07
Methyl ethyl ketone	-1.91E-04	NA	NA	1.43E+00	NA	NC	-1.34E-08
Naphthalene	2.14E-03	1.19E-01	1.20E-01	8.57E-04	2.57E-03	1.46E-08	8.28E-05
Hexane, n-	-6.50E-03	NA	NA	2.00E-01	2.00E+00	NC	-3.24E-07
Phenol	3.28E-03	NA	NA	5.71E-02	5.71E-02	NC	5.72E-06
Propylene	5.05E-03	NA	NA	8.57E-01	8.57E-01	NC	5.87E-07
Styrene	6.12E-04	NA	NA	2.86E-01	2.57E-01	NC	2.37E-07
Toluene	-2.99E-02	NA	NA	1.43E+00	8.57E-02	NC	-3.48E-05
Xylene (total)	-2.76E-02	NA	NA	2.86E-02	2.00E-01	NC	-1.38E-05
Chlorine	-2.55E-04	NA	NA	4.29E-05	5.71E-05	NC	-4.45E-04
Chromium (VI)	4.84E-08	4.20E+01	5.10E+02	2.86E-05	5.71E-05	1.41E-09	8.45E-08
Copper	-1.28E-06	NA	NA	NA	NA	NC	NC
Lead	1.18E-06	NA	4.20E-02	NA	NA	2.82E-12	NC
Manganese	-1.18E-06	NA	NA	1.43E-05	2.57E-05	NC	-4.56E-06
Nickel	-1.82E-06	8.40E-01	9.10E-01	1.43E-05	1.43E-05	-9.44E-11	-1.27E-05
Diesel PM	-1.02E-01	NA	1.10E+00	1.43E-03	1.43E-03	-6.40E-06	-7.13E-03
					TOTAL	**-6.3E-06**	**0.0051**

[1] Commercial Maximum Grid No. **266**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 5-9A
RAGS A Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 7, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
(Based on Peak Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Inhalation rate	15 (m^3/day)	6 (m^3/day)	20 (m^3/day)
Exposure Duration	6 (years)	6 (years)	70 (years)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Body Weight	15 (kg)	40 (kg)	70 (kg)
Averaging Time (non-carcinogenic)	2190 (d)	2190 (d)	25550 (d)
Averaging Time (carcinogenic)	25550 (d)	25550 (d)	25550 (d)
Conversion Factor	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)

RAGS A Inhalation Equations

CDI = (CA x CF x IR x EF x ED) / (BW AT)
Risk = SFi x CDI
HQ =CDI / REL

Where:
CDI = Chronic Daily Intake
CA = Concentration in Air
CF = Conversion Factor
IR = Inhalation Rate
EF = Exposure Frequency
ED = Exposure Duration
ET = Exposure Time

		Toxicity Criteria				Cancer Risks				Hazard Quotients		
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	CalEPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	EPA RfDi (mg/kg-d)	CalEPA Proposed REL (mg/kg-d)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult+Child Resident	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	1.92E-02	7.70E-03	1.00E-02	2.57E-03	4.00E-02	1.58E-08	1.35E-09	6.38E-08	5.26E-08	4.60E-04	3.94E-05	1.31E-04
Acrolein	1.11E-02	NA	NA	5.71E-06	1.00E-04	NC	NC	NC	NC	1.06E-01	9.08E-03	3.03E-02
Benzene	4.18E-03	7.70E-03	1.00E-01	8.57E-03	1.71E-02	3.43E-08	2.94E-09	1.39E-07	1.14E-07	2.34E-04	2.00E-05	6.68E-05
1,3-Butadiene	6.95E-03	1.05E-01	6.00E-01	5.71E-04	5.71E-03	3.43E-07	2.94E-08	1.39E-06	1.14E-06	1.17E-03	9.99E-05	3.33E-04
Ethylbenzene	-6.46E-04	8.75E-03	8.70E-03	2.86E-01	5.71E-01	-4.62E-10	-3.96E-11	-1.87E-09	-1.54E-09	-1.08E-06	-9.29E-08	-3.10E-07
Formaldehyde	5.43E-02	4.55E-02	2.10E-02	2.80E-03	2.57E-03	9.38E-08	8.04E-09	3.80E-07	3.13E-07	2.03E-02	1.74E-03	5.79E-03
Methyl alcohol	8.10E-03	NA	NA	1.14E+00	1.14E+00	NC	NC	NC	NC	6.80E-06	5.83E-07	1.94E-06
Methyl ethyl ketone	-2.85E-05	NA	NA	1.43E+00	NA	NC	NC	NC	NC	-1.91E-08	-1.64E-09	-5.47E-09
Naphthalene	2.41E-03	1.19E-01	1.20E-01	8.57E-04	2.57E-03	2.38E-08	2.04E-09	9.63E-08	7.93E-08	8.99E-04	7.71E-05	2.57E-04
Hexane, n-	-2.03E-03	NA	NA	2.00E-01	2.00E+00	NC	NC	NC	NC	-9.75E-07	-8.36E-08	-2.79E-07
Phenol	3.32E-03	NA	NA	5.71E-02	5.71E-02	NC	NC	NC	NC	5.58E-05	4.78E-06	1.59E-05
Propylene	1.67E-02	NA	NA	8.57E-01	8.57E-01	NC	NC	NC	NC	1.87E-05	1.60E-06	5.35E-06
Styrene	1.25E-03	NA	NA	2.86E-01	2.57E-01	NC	NC	NC	NC	4.64E-06	3.98E-07	1.33E-06
Toluene	-4.81E-03	NA	NA	1.43E+00	8.57E-02	NC	NC	NC	NC	-5.38E-05	-4.61E-06	-1.54E-05
Xylene (total)	-4.51E-03	NA	NA	2.86E-02	2.00E-01	NC	NC	NC	NC	-2.16E-05	-1.85E-06	-6.18E-06
Chlorine	-5.32E-05	NA	NA	4.29E-05	5.71E-05	NC	NC	NC	NC	-8.93E-04	-7.66E-05	-2.55E-04
Chromium (VI)	2.58E-07	4.20E+01	5.10E+02	2.86E-05	5.71E-05	1.08E-08	9.26E-10	4.37E-08	3.60E-08	4.32E-06	3.71E-07	1.24E-06
Copper	6.84E-07	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC
Lead	2.34E-06	NA	4.20E-02	NA	NA	8.08E-12	6.93E-13	3.27E-11	2.69E-11	NC	NC	NC
Manganese	8.97E-07	NA	NA	1.43E-05	2.57E-05	NC	NC	NC	NC	3.34E-05	2.87E-06	9.55E-06
Nickel	-3.80E-07	8.40E-01	9.10E-01	1.43E-05	1.43E-05	-2.84E-11	-2.44E-12	-1.15E-10	-9.48E-11	-2.55E-05	-2.19E-06	-7.29E-06
Diesel PM	-3.51E-02	NA	1.10E+00	1.43E-03	1.43E-03	-3.17E-06	-2.72E-07	-1.28E-05	-1.06E-05	-2.36E-02	-2.02E-03	-6.73E-03
					TOTAL	**-2.7E-06**	**-2.3E-07**	**-1.1E-05**	**-8.8E-06**	**0.105**	**0.0090**	**0.0299**

[1] Residential Maximum Grid No. 28
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 5-9B
RAGS A Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 7, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
(Based on Peak Location of Residential Hazards[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Inhalation rate	15 (m^3/day)	6 (m^3/day)	20 (m^3/day)
Exposure Duration	6 (years)	6 (years)	70 (years)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Body Weight	15 (kg)	40 (kg)	70 (kg)
Averaging Time (non-carcinogenic)	2190 (d)	2190 (d)	25550 (d)
Averaging Time (carcinogenic)	25550 (d)	25550 (d)	25550 (d)
Conversion Factor	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)

RAGS A Inhalation Equations

CDI = (CA x CF x IR x EF x ED) / (BW AT)
Risk = SFi x CDI
HQ =CDI / REL

Where:
CDI = Chronic Daily Intake
CA = Concentration in Air
CF = Conversion Factor
IR = Inhalation Rate
EF = Exposure Frequency
ED = Exposure Duration
ET = Exposure Time

		Toxicity Criteria				Cancer Risks				Hazard Quotients		
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	CalEPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	EPA RfDi (mg/kg-d)	CalEPA Proposed REL (mg/kg-d)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult+Child Resident	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	2.19E-01	7.70E-03	1.00E-02	2.57E-03	4.00E-02	1.80E-07	1.54E-08	7.27E-07	5.99E-07	5.24E-03	4.49E-04	1.50E-03
Acrolein	1.25E-01	NA	NA	5.71E-06	1.00E-04	NC	NC	NC	NC	1.20E+00	1.03E-01	3.42E-01
Benzene	8.97E-02	7.70E-03	1.00E-01	8.57E-03	1.71E-02	7.37E-07	6.32E-08	2.98E-06	2.46E-06	5.02E-03	4.30E-04	1.43E-03
1,3-Butadiene	8.73E-02	1.05E-01	6.00E-01	5.71E-04	5.71E-03	4.30E-06	3.69E-07	1.74E-05	1.43E-05	1.46E-02	1.26E-03	4.18E-03
Ethylbenzene	9.11E-03	8.75E-03	8.70E-03	2.86E-01	5.71E-01	6.52E-09	5.59E-10	2.64E-08	2.17E-08	1.53E-05	1.31E-06	4.37E-06
Formaldehyde	6.27E-01	4.55E-02	2.10E-02	2.80E-03	2.57E-03	1.08E-06	9.28E-08	4.38E-06	3.61E-06	2.34E-01	2.00E-02	6.68E-02
Methyl alcohol	9.24E-02	NA	NA	1.14E+00	1.14E+00	NC	NC	NC	NC	7.75E-05	6.64E-06	2.21E-05
Methyl ethyl ketone	9.03E-05	NA	NA	1.43E+00	NA	NC	NC	NC	NC	6.06E-08	5.19E-09	1.73E-08
Naphthalene	2.78E-02	1.19E-01	1.20E-01	8.57E-04	2.57E-03	2.74E-07	2.35E-08	1.11E-06	9.12E-07	1.03E-02	8.87E-04	2.96E-03
Hexane, n-	-3.94E-03	NA	NA	2.00E-01	2.00E+00	NC	NC	NC	NC	-1.89E-06	-1.62E-07	-5.40E-07
Phenol	3.72E-02	NA	NA	5.71E-02	5.71E-02	NC	NC	NC	NC	6.25E-04	5.35E-05	1.78E-04
Propylene	2.28E-01	NA	NA	8.57E-01	8.57E-01	NC	NC	NC	NC	2.55E-04	2.19E-05	7.30E-05
Styrene	1.59E-02	NA	NA	2.86E-01	2.57E-01	NC	NC	NC	NC	5.92E-05	5.07E-06	1.69E-05
Toluene	2.96E-02	NA	NA	1.43E+00	8.57E-02	NC	NC	NC	NC	3.31E-04	2.84E-05	9.46E-05
Xylene (total)	2.28E-02	NA	NA	2.86E-02	2.00E-01	NC	NC	NC	NC	1.09E-04	9.37E-06	3.12E-05
Chlorine	-1.93E-04	NA	NA	4.29E-05	5.71E-05	NC	NC	NC	NC	-3.24E-03	-2.77E-04	-9.25E-04
Chromium (VI)	2.91E-06	4.20E+01	5.10E+02	2.86E-05	5.71E-05	1.22E-07	1.05E-08	4.94E-07	4.07E-07	4.89E-05	4.19E-06	1.40E-05
Copper	1.01E-05	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC
Lead	2.52E-05	NA	4.20E-02	NA	NA	8.71E-11	7.47E-12	3.53E-10	2.90E-10	NC	NC	NC
Manganese	1.24E-05	NA	NA	1.43E-05	2.57E-05	NC	NC	NC	NC	4.62E-04	3.96E-05	1.32E-04
Nickel	-1.38E-06	8.40E-01	9.10E-01	1.43E-05	1.43E-05	-1.03E-10	-8.83E-12	-4.17E-10	-3.44E-10	-9.25E-05	-7.93E-06	-2.64E-05
Diesel PM	-1.24E-01	NA	1.10E+00	1.43E-03	1.43E-03	-1.12E-05	-9.58E-07	-4.52E-05	-3.73E-05	-8.30E-02	-7.11E-03	-2.37E-02
					TOTAL	**-4.5E-06**	**-3.8E-07**	**-1.8E-05**	**-1.5E-05**	**1.38**	**0.119**	**0.40**

[1] Residential Maximum Grid No. 81
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 5-9C
RAGS A Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 7, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Minimum Range
(Based on Peak Location of Commercial Cancer Risks[1])

Exposure Parameters	Adult Worker
Inhalation rate	10 (m^3/day)
Exposure Duration	40 (years)
Exposure Frequency	245 (days/year)
Body Weight	70 (kg)
Averaging Time (non-carcinogenic)	14600 (d)
Averaging Time (carcinogenic)	25550 (d)
Conversion Factor	1.00E-03 (mg/ug)

RAGS A Inhalation Equations

CDI = (CA x CF x IR x EF x ED) / (BW AT)
Risk = SFi x CDI
HQ =CDI / REL

Where:
CDI = Chronic Daily Intake
CA = Concentration in Air
CF = Conversion Factor
IR = Inhalation Rate
EF = Exposure Frequency
ED = Exposure Duration
ET = Exposure Time

		Toxicity Criteria				Cancer Risks	Hazard Quotients
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	CalEPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	EPA RfDi (mg/kg-d)	CalEPA Proposed REL (mg/kg-d)	Cancer Risk to Adult Worker	Hazard Quotient Adult Worker
Acetaldehyde	1.92E-02	7.70E-03	1.00E-02	2.57E-03	4.00E-02	1.09E-08	4.78E-05
Acrolein	1.15E-02	NA	NA	5.71E-06	1.00E-04	NC	1.14E-02
Benzene	-1.05E-02	7.70E-03	1.00E-01	8.57E-03	1.71E-02	-5.99E-08	-6.11E-05
1,3-Butadiene	4.02E-03	1.05E-01	6.00E-01	5.71E-04	5.71E-03	1.37E-07	7.01E-05
Ethylbenzene	-5.94E-03	8.75E-03	8.70E-03	2.86E-01	5.71E-01	-2.95E-09	-1.04E-06
Formaldehyde	5.26E-02	4.55E-02	2.10E-02	2.80E-03	2.57E-03	6.30E-08	2.04E-03
Methyl alcohol	8.04E-03	NA	NA	1.14E+00	1.14E+00	NC	7.02E-07
Methyl ethyl ketone	-1.93E-04	NA	NA	1.43E+00	NA	NC	-1.35E-08
Naphthalene	2.29E-03	1.19E-01	1.20E-01	8.57E-04	2.57E-03	1.57E-08	8.88E-05
Hexane, n-	-6.69E-03	NA	NA	2.00E-01	2.00E+00	NC	-3.33E-07
Phenol	3.50E-03	NA	NA	5.71E-02	5.71E-02	NC	6.10E-06
Propylene	6.06E-03	NA	NA	8.57E-01	8.57E-01	NC	7.05E-07
Styrene	6.91E-04	NA	NA	2.86E-01	2.57E-01	NC	2.68E-07
Toluene	-3.03E-02	NA	NA	1.43E+00	8.57E-02	NC	-3.53E-05
Xylene (total)	-2.80E-02	NA	NA	2.86E-02	2.00E-01	NC	-1.39E-05
Chlorine	-2.91E-04	NA	NA	4.29E-05	5.71E-05	NC	-5.07E-04
Chromium (VI)	5.04E-08	4.20E+01	5.10E+02	2.86E-05	5.71E-05	1.46E-09	8.79E-08
Copper	-1.48E-06	NA	NA	NA	NA	NC	NC
Lead	1.30E-06	NA	4.20E-02	NA	NA	3.12E-12	NC
Manganese	-1.36E-06	NA	NA	1.43E-05	2.57E-05	NC	-5.29E-06
Nickel	-2.08E-06	8.40E-01	9.10E-01	1.43E-05	1.43E-05	-1.08E-10	-1.45E-05
Diesel PM	-1.03E-01	NA	1.10E+00	1.43E-03	1.43E-03	-6.44E-06	-7.17E-03
					TOTAL	**-6.3E-06**	**0.0059**

[1] Commercial Maximum Grid No. **266**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012

Table 5-10A
RAGS A Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 7, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Maximum Range
(Based on Peak Location of Residential Cancer Risks[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Inhalation rate	15 (m^3/day)	6 (m^3/day)	20 (m^3/day)
Exposure Duration	6 (years)	6 (years)	70 (years)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Body Weight	15 (kg)	40 (kg)	70 (kg)
Averaging Time (non-carcinogenic)	2190 (d)	2190 (d)	25550 (d)
Averaging Time (carcinogenic)	25550 (d)	25550 (d)	25550 (d)
Conversion Factor	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)

RAGS A Inhalation Equations

CDI = (CA x CF x IR x EF x ED) / (BW AT)
Risk = SFi x CDI
HQ =CDI / REL

Where:
CDI = Chronic Daily Intake
CA = Concentration in Air
CF = Conversion Factor
IR = Inhalation Rate
EF = Exposure Frequency
ED = Exposure Duration
ET = Exposure Time

		Toxicity Criteria				Cancer Risks				Hazard Quotients		
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	CalEPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	EPA RfDi (mg/kg-d)	CalEPA Proposed REL (mg/kg-d)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult+Child Resident	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	1.92E-02	7.70E-03	1.00E-02	2.57E-03	4.00E-02	1.58E-08	1.35E-09	6.39E-08	5.26E-08	4.61E-04	3.95E-05	1.32E-04
Acrolein	1.11E-02	NA	NA	5.71E-06	1.00E-04	NC	NC	NC	NC	1.06E-01	9.09E-03	3.03E-02
Benzene	4.42E-03	7.70E-03	1.00E-01	8.57E-03	1.71E-02	3.63E-08	3.11E-09	1.47E-07	1.21E-07	2.47E-04	2.12E-05	7.06E-05
1,3-Butadiene	7.00E-03	1.05E-01	6.00E-01	5.71E-04	5.71E-03	3.45E-07	2.96E-08	1.40E-06	1.15E-06	1.17E-03	1.01E-04	3.36E-04
Ethylbenzene	-5.43E-04	8.75E-03	8.70E-03	2.86E-01	5.71E-01	-3.88E-10	-3.33E-11	-1.57E-09	-1.29E-09	-9.11E-07	-7.81E-08	-2.60E-07
Formaldehyde	5.45E-02	4.55E-02	2.10E-02	2.80E-03	2.57E-03	9.41E-08	8.06E-09	3.81E-07	3.14E-07	2.03E-02	1.74E-03	5.81E-03
Methyl alcohol	8.11E-03	NA	NA	1.14E+00	1.14E+00	NC	NC	NC	NC	6.81E-06	5.83E-07	1.94E-06
Methyl ethyl ketone	-2.67E-05	NA	NA	1.43E+00	NA	NC	NC	NC	NC	-1.79E-08	-1.54E-09	-5.12E-09
Naphthalene	2.42E-03	1.19E-01	1.20E-01	8.57E-04	2.57E-03	2.38E-08	2.04E-09	9.64E-08	7.94E-08	9.01E-04	7.72E-05	2.57E-04
Hexane, n-	-1.88E-03	NA	NA	2.00E-01	2.00E+00	NC	NC	NC	NC	-9.00E-07	-7.71E-08	-2.57E-07
Phenol	3.32E-03	NA	NA	5.71E-02	5.71E-02	NC	NC	NC	NC	5.58E-05	4.78E-06	1.59E-05
Propylene	1.70E-02	NA	NA	8.57E-01	8.57E-01	NC	NC	NC	NC	1.90E-05	1.63E-06	5.44E-06
Styrene	1.26E-03	NA	NA	2.86E-01	2.57E-01	NC	NC	NC	NC	4.69E-06	4.02E-07	1.34E-06
Toluene	-4.24E-03	NA	NA	1.43E+00	8.57E-02	NC	NC	NC	NC	-4.74E-05	-4.07E-06	-1.36E-05
Xylene (total)	-4.04E-03	NA	NA	2.86E-02	2.00E-01	NC	NC	NC	NC	-1.94E-05	-1.66E-06	-5.53E-06
Chlorine	-2.35E-05	NA	NA	4.29E-05	5.71E-05	NC	NC	NC	NC	-3.94E-04	-3.38E-05	-1.13E-04
Chromium (VI)	2.68E-07	4.20E+01	5.10E+02	2.86E-05	5.71E-05	1.12E-08	9.64E-10	4.55E-08	3.75E-08	4.50E-06	3.86E-07	1.29E-06
Copper	8.96E-07	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC
Lead	2.34E-06	NA	4.20E-02	NA	NA	8.08E-12	6.93E-13	3.27E-11	2.69E-11	NC	NC	NC
Manganese	1.11E-06	NA	NA	1.43E-05	2.57E-05	NC	NC	NC	NC	4.14E-05	3.55E-06	1.18E-05
Nickel	-1.68E-07	8.40E-01	9.10E-01	1.43E-05	1.43E-05	-1.25E-11	-1.07E-12	-5.07E-11	-4.18E-11	-1.13E-05	-9.64E-07	-3.21E-06
Diesel PM	-3.48E-02	NA	1.10E+00	1.43E-03	1.43E-03	-3.14E-06	-2.70E-07	-1.27E-05	-1.05E-05	-2.33E-02	-2.00E-03	-6.67E-03
					TOTAL	**-2.6E-06**	**-2.2E-07**	**-1.1E-05**	**-8.7E-06**	**0.106**	**0.0090**	**0.0301**

[1] Residential Maximum Grid No. 28
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 5-10B
RAGS A Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 7, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Maximum Range
(Based on Peak Location of Residential Hazards[1])

Exposure Parameters	Residential Child	School Child	Residential Adult
Inhalation rate	15 (m^3/day)	6 (m^3/day)	20 (m^3/day)
Exposure Duration	6 (years)	6 (years)	70 (years)
Exposure Frequency	350 (days/year)	200 (days/year)	350 (days/year)
Body Weight	15 (kg)	40 (kg)	70 (kg)
Averaging Time (non-carcinogenic)	2190 (d)	2190 (d)	25550 (d)
Averaging Time (carcinogenic)	25550 (d)	25550 (d)	25550 (d)
Conversion Factor	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)	1.00E-03 (mg/ug)

RAGS A Inhalation Equations

CDI = (CA x CF x IR x EF x ED) / (BW AT)
Risk = SFi x CDI
HQ =CDI / REL

Where:
CDI = Chronic Daily Intake
CA = Concentration in Air
CF = Conversion Factor
IR = Inhalation Rate
EF = Exposure Frequency
ED = Exposure Duration
ET = Exposure Time

		Toxicity Criteria				Cancer Risks				Hazard Quotients		
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	CalEPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	EPA RfDi (mg/kg-d)	CalEPA Proposed REL (mg/kg-d)	Cancer Risk to Child Resident	Cancer Risk to School Child	Cancer Risk to Adult+Child Resident	Cancer Risk to Adult Resident	Hazard Quotient Child Resident	Hazard Quotient School Child	Hazard Quotient Adult Resident
Acetaldehyde	2.19E-01	7.70E-03	1.00E-02	2.57E-03	4.00E-02	1.80E-07	1.54E-08	7.28E-07	5.99E-07	5.24E-03	4.49E-04	1.50E-03
Acrolein	1.25E-01	NA	NA	5.71E-06	1.00E-04	NC	NC	NC	NC	1.20E+00	1.03E-01	3.42E-01
Benzene	9.06E-02	7.70E-03	1.00E-01	8.57E-03	1.71E-02	7.44E-07	6.38E-08	3.01E-06	2.48E-06	5.07E-03	4.34E-04	1.45E-03
1,3-Butadiene	8.75E-02	1.05E-01	6.00E-01	5.71E-04	5.71E-03	4.31E-06	3.70E-07	1.75E-05	1.44E-05	1.47E-02	1.26E-03	4.19E-03
Ethylbenzene	9.49E-03	8.75E-03	8.70E-03	2.86E-01	5.71E-01	6.79E-09	5.82E-10	2.75E-08	2.26E-08	1.59E-05	1.37E-06	4.55E-06
Formaldehyde	6.28E-01	4.55E-02	2.10E-02	2.80E-03	2.57E-03	1.08E-06	9.29E-08	4.39E-06	3.61E-06	2.34E-01	2.01E-02	6.69E-02
Methyl alcohol	9.24E-02	NA	NA	1.14E+00	1.14E+00	NC	NC	NC	NC	7.76E-05	6.65E-06	2.22E-05
Methyl ethyl ketone	9.69E-05	NA	NA	1.43E+00	NA	NC	NC	NC	NC	6.50E-08	5.57E-09	1.86E-08
Naphthalene	2.78E-02	1.19E-01	1.20E-01	8.57E-04	2.57E-03	2.74E-07	2.35E-08	1.11E-06	9.13E-07	1.04E-02	8.88E-04	2.96E-03
Hexane, n-	-3.36E-03	NA	NA	2.00E-01	2.00E+00	NC	NC	NC	NC	-1.61E-06	-1.38E-07	-4.60E-07
Phenol	3.72E-02	NA	NA	5.71E-02	5.71E-02	NC	NC	NC	NC	6.25E-04	5.35E-05	1.78E-04
Propylene	2.29E-01	NA	NA	8.57E-01	8.57E-01	NC	NC	NC	NC	2.57E-04	2.20E-05	7.33E-05
Styrene	1.59E-02	NA	NA	2.86E-01	2.57E-01	NC	NC	NC	NC	5.93E-05	5.09E-06	1.70E-05
Toluene	3.17E-02	NA	NA	1.43E+00	8.57E-02	NC	NC	NC	NC	3.55E-04	3.04E-05	1.01E-04
Xylene (total)	2.45E-02	NA	NA	2.86E-02	2.00E-01	NC	NC	NC	NC	1.18E-04	1.01E-05	3.36E-05
Chlorine	-8.22E-05	NA	NA	4.29E-05	5.71E-05	NC	NC	NC	NC	-1.38E-03	-1.18E-04	-3.94E-04
Chromium (VI)	2.95E-06	4.20E+01	5.10E+02	2.86E-05	5.71E-05	1.24E-07	1.06E-08	5.01E-07	4.13E-07	4.95E-05	4.25E-06	1.42E-05
Copper	1.09E-05	NA	NA	NA	NA	NC	NC	NC	NC	NC	NC	NC
Lead	2.52E-05	NA	4.20E-02	NA	NA	8.71E-11	7.47E-12	3.53E-10	2.90E-10	NC	NC	NC
Manganese	1.32E-05	NA	NA	1.43E-05	2.57E-05	NC	NC	NC	NC	4.91E-04	4.21E-05	1.40E-04
Nickel	-5.87E-07	8.40E-01	9.10E-01	1.43E-05	1.43E-05	-4.39E-11	-3.76E-12	-1.78E-10	-1.46E-10	-3.94E-05	-3.38E-06	-1.13E-05
Diesel PM	-1.23E-01	NA	1.10E+00	1.43E-03	1.43E-03	-1.11E-05	-9.50E-07	-4.48E-05	-3.69E-05	-8.22E-02	-7.05E-03	-2.35E-02
					TOTAL	**-4.4E-06**	**-3.7E-07**	**-1.8E-05**	**-1.5E-05**	**1.39**	**0.119**	**0.40**

[1] Residential Maximum Grid No. 81
NA = Not Available
NC = Not Calculated
ug/m^3 = micrograms per cubic meter
mg/kg-d = milligrams per kilogram day

Source: CDM Smith, 2012

Table 5-10C
RAGS A Risk Calculation for LAX Specific Plan Amendment Study Construction and Operation, Alternative 7, Horizon Year 2025, 2009 Baseline - Lifetime Exposure - Maximum Range
(Based on Peak Location of Commercial Cancer Risks[1])

Exposure Parameters	Adult Worker
Inhalation rate	10 (m^3/day)
Exposure Duration	40 (years)
Exposure Frequency	245 (days/year)
Body Weight	70 (kg)
Averaging Time (non-carcinogenic)	14600 (d)
Averaging Time (carcinogenic)	25550 (d)
Conversion Factor	1.00E-03 (mg/ug)

RAGS A Inhalation Equations

CDI = (CA x CF x IR x EF x ED) / (BW AT)
Risk = SFi x CDI
HQ =CDI / REL

Where:
CDI = Chronic Daily Intake
CA = Concentration in Air
CF = Conversion Factor
IR = Inhalation Rate
EF = Exposure Frequency
ED = Exposure Duration
ET = Exposure Time

		Toxicity Criteria					Cancer Risks	Hazard Quotients
TAC	Concentration at Location w/Maximum Risk (ug/m^3)	EPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	CalEPA Inhalation Slope Factor $(mg/kg\text{-}d)^{-1}$	EPA RfDi (mg/kg-d)	CalEPA Proposed REL (mg/kg-d)		Cancer Risk to Adult Worker	Hazard Quotient Adult Worker
Acetaldehyde	1.92E-02	7.70E-03	1.00E-02	2.57E-03	4.00E-02		1.09E-08	4.79E-05
Acrolein	1.15E-02	NA	NA	5.71E-06	1.00E-04		NC	1.14E-02
Benzene	-1.02E-02	7.70E-03	1.00E-01	8.57E-03	1.71E-02		-5.81E-08	-5.93E-05
1,3-Butadiene	4.08E-03	1.05E-01	6.00E-01	5.71E-04	5.71E-03		1.40E-07	7.13E-05
Ethylbenzene	-5.81E-03	8.75E-03	8.70E-03	2.86E-01	5.71E-01		-2.88E-09	-1.01E-06
Formaldehyde	5.28E-02	4.55E-02	2.10E-02	2.80E-03	2.57E-03		6.32E-08	2.05E-03
Methyl alcohol	8.06E-03	NA	NA	1.14E+00	1.14E+00		NC	7.03E-07
Methyl ethyl ketone	-1.91E-04	NA	NA	1.43E+00	NA		NC	-1.33E-08
Naphthalene	2.30E-03	1.19E-01	1.20E-01	8.57E-04	2.57E-03		1.57E-08	8.91E-05
Hexane, n-	-6.49E-03	NA	NA	2.00E-01	2.00E+00		NC	-3.24E-07
Phenol	3.50E-03	NA	NA	5.71E-02	5.71E-02		NC	6.10E-06
Propylene	6.44E-03	NA	NA	8.57E-01	8.57E-01		NC	7.49E-07
Styrene	7.07E-04	NA	NA	2.86E-01	2.57E-01		NC	2.74E-07
Toluene	-2.96E-02	NA	NA	1.43E+00	8.57E-02		NC	-3.45E-05
Xylene (total)	-2.74E-02	NA	NA	2.86E-02	2.00E-01		NC	-1.36E-05
Chlorine	-2.55E-04	NA	NA	4.29E-05	5.71E-05		NC	-4.45E-04
Chromium (VI)	6.32E-08	4.20E+01	5.10E+02	2.86E-05	5.71E-05		1.84E-09	1.10E-07
Copper	-1.23E-06	NA	NA	NA	NA		NC	NC
Lead	1.30E-06	NA	4.20E-02	NA	NA		3.12E-12	NC
Manganese	-1.11E-06	NA	NA	1.43E-05	2.57E-05		NC	-4.30E-06
Nickel	-1.82E-06	8.40E-01	9.10E-01	1.43E-05	1.43E-05		-9.44E-11	-1.27E-05
Diesel PM	-1.02E-01	NA	1.10E+00	1.43E-03	1.43E-03		-6.40E-06	-7.13E-03
						TOTAL	**-6.2E-06**	**0.0060**

[1] Commercial Maximum Grid No. **266**
NA = Not Available **ug/m^3 = micrograms per cubic meter**
NC = Not Calculated **mg/kg-d = milligrams per kilogram day**

Source: CDM Smith, 2012