Appendix FEIR-10

Health Risk Assessment

HEALTH RISK ASSESSMENT

TVC 2050 Project

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1.0 Executive Summary

1.1 Findings

This Health Risk Assessment (HRA) provides a quantitative analysis of potential health risk impacts related to the proposed construction and operation of the TVC 2050 Project (Project) in the City of Los Angeles. The analysis evaluated the incremental change in health risk concentration exposure from toxic air contaminants (TACs) emitted by heavy-duty construction equipment during Project construction, remediation activities, and operation of heavy-duty trucks. The analysis also evaluates emissions of TACs from existing and future Project operations, including spray paint booths, char broilers, boilers, emergency generators and delivery, visitor, and employee trips. The incremental change in health risk considers removal of some existing sources of TACs. The findings of the analysis are as follows:

- For carcinogenic exposures, the increase in risk is calculated to be 7.5 in one million, which is less than the applicable threshold of 10 in one million for residential receptors in close proximity to the Project Site, resulting in a less-than-significant impact. Sensitive receptors located farther away from the boundary of the Project would result in an incremental cancer risk increase of 1.8 in one million.

- For chronic non-carcinogenic exposures, the increase in the respiratory hazard index was estimated to be less than the applicable threshold of one for sensitive receptors in close proximity to the boundary of the Project, resulting in a less-than-significant impact.

This HRA confirms and further supports the conclusion set forth in the Draft Environmental Impact Report (EIR) that impacts would be less than significant based on the qualitative health risk analysis presented on pages IV.A-68 through IV.A-73 of Section IV.A, Air Quality, of the Draft EIR. As discussed therein, Project construction would result in TAC emissions below applicable localized impact thresholds, and the Project land uses would not constitute an operational land use identified by California Air Resources Board (CARB) or South Coast Air Quality Management District (SCAQMD) guidance that might be expected to result in substantial releases of TAC. The SCAQMD CEQA Air Quality Handbook does not require an HRA for short-term construction emissions associated with

land use development projects.[1] Implementation of Mitigation Measure AIR-MM-1 (which requires the use of off-road diesel-powered construction equipment meeting Tier 4 Final standards) would result in an approximately 90- to 95-percent reduction in diesel exhaust/diesel particulate matter (DPM) emissions in comparison to Tier 3 standards. DPM is typically the driving risk contributor from TACs for carcinogenic health risk from vehicle activities; thus, such reductions in DPM emissions would result in commensurate reductions to carcinogenic health risk. This supporting information is consistent with *L.A. CEQA Thresholds Guide* in making a case-by-case basis determination of significance. As such, the Draft EIR correctly concluded that Project-related TAC emission impacts during construction would be less than significant, and, consequently, potential health risk impacts would be less than significant.

1 SCAQMD, CEQA Air Quality Handbook, Chapter 10, Assessing Toxic Air Pollutants, 1993.

2.0 Introduction

2.1 Introduction

In response to the SCAQMD's request to further evaluate potential TACs through quantitative analysis, the City coordinated with SCAQMD to develop an HRA Protocol, which outlines the approach and methodologies used in this HRA analysis.[2] In an email correspondence dated May 5, 2023, SCAQMD concluded that the HRA Protocol would adequately address the Project's health risk impacts for stationary sources and diesel trucks. The HRA Protocol along with correspondence from Sam Wang, Program Supervisor, CEQA IGR, is included as Appendix A of this HRA. This HRA focused on the analysis of incremental human health risks and hazards associated with airborne releases of TACs during construction and operation of the Project. Cancer risks, as well as chronic and acute non-cancer health hazard assessments, depend on estimating potential exposure to incremental TACs associated with the Project.

2.2 Project Description

The TVC 2050 Project would establish the TVC 2050 Specific Plan (Specific Plan) to allow for the continuation of an existing studio use and the modernization and expansion of media production facilities within the approximately 25-acre Television City studio campus located at 7716–7860 West Beverly Boulevard in the City of Los Angeles (Project Site). The proposed Specific Plan would allow a total of up to a maximum of 1,874,000 square feet of sound stage, production support, production office, general office, and retail uses within the Project Site upon buildout, as well as associated circulation improvements, parking, landscaping, and open space. More specifically, the Specific Plan would allow up to 1,626,180 square feet of new development, the retention of up to 247,820 square feet of existing uses, and the demolition of up to 495,860 square feet of existing media production facilities. Construction would require an estimated 772,000 cubic yards of cut, potentially 50,000 cubic yards of imported fill, and up to 772,000 cubic yards of export, resulting from site excavation to a maximum depth of approximately 45 feet.[3]

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[2] *South Coast Air Quality Management District, Comment Letter, DEIR for the Proposed TVC 2050 Project (SCH No.: 2021070014), dated September 13, 2022.*

[3] *All earthwork volumes include estimates for both rough grading and over-excavation.*

Project buildout may occur in one phase over a total construction period of approximately 32 months. Construction could begin as soon as 2023 and end as soon as 2026. However, the Project Applicant is seeking a Development Agreement with a term of 20 years, which could extend the full buildout year to approximately 2043. Construction activities were evaluated based on a 32-month construction schedule as a shorter and more compressed schedule would assume more intensive activities on a daily basis, as well as overlapping activities in comparison to a 20-year buildout schedule.

The Project Site has been supporting the operation of a studio since 1952, which includes TAC-emitting activities, such as painting and architectural coatings (spray paint booths); basecamp operations, such as food truck service, truck travel and idling; mobility hub activities, such as employee and shuttle bus trips; and basic facility operations, such as testing of emergency generators and operation of boilers.

A Texaco gas station was formerly located in the northeastern corner of the Project Site and contained several underground storage tanks (USTs). A leaking UST was discovered in 1990, and remedial activities were performed to clean up the leakage. The USTs were removed in 1991 during the station demolition and additional remedial activities were performed from 1996 to 2012. The Los Angeles Regional Water Quality Control Board (LARWQCB) issued a No Further Action (NFA) letter on November 29, 2012.[4] The NFA acknowledged that certain petroleum constituents remained in the subsurface in the northeastern portion of the Project Site. Site investigations conducted in 2018 through 2020 confirmed the presence of residual petroleum hydrocarbon contamination in the soil and groundwater on the Project Site at concentrations consistent with the NFA.

[4] *Site Summary Report. September 16, 2021. Geosyntec Consultants. Please refer to Appendix G.1 of the Draft EIR.*

3.0 Health Risk Assessment Methodology

This section of this HRA includes a discussion of the assessment process, source identification and characterization, identification of chemicals of concern, risk characterization, and conclusions consistent with State of California statutes and regulations.[5]

3.1 The Assessment Process

This HRA is consistent with State of California statutes and regulations[6] and describes the following four primary steps typically used to assess health risk:[7,8,9,10,11,12]

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5 *Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Information and Assessment Act of 1987, Section 44300.*

6 *Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Information and Assessment Act of 1987, Section 44300.*

7 *Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program, Risk Assessment Guidelines, Guidance Manual for Preparation of Health Risk Assessments, February 2015.*

8 *Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program, Risk Assessment Guidelines, Technical Support Document for the Derivation of Noncancer Reference Exposure Levels, June 2008 (with updates through July 2014).*

9 *Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program, Risk Assessment Guidelines, Technical Support Document for Cancer Potency Factors: Methodologies for derivation, listing of available values, and adjustments to allow for early life stage exposures, May 2009 (with updates through May 2019).*

10 *Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program, Risk Assessment Guidelines, Technical Support Document for Exposure Assessment and Stochastic Analysis, August 2012.*

11 *U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation, Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual (Part F, Supplemental Guidance for Inhalation Risk Assessment), Final, January 2009.*

12 *The SCAQMD adopted revised supplemental guidance for stationary source facilities subject to AB 2588 reporting and analysis (South Coast Air Quality Management District, AB 2588 and Rule 1402 Supplemental Guidelines (Supplemental Guidelines for Preparing Assessments for the Air Toxics "Hot Spots" Information and Assessment Act, September 2018). This guidance was developed to provide explicit requirements for ensuring compliance with AB 2588 reporting requirements for those stationary facilities under SCAQMD jurisdiction and does not modify the general analysis approach specified in the OEHHA guidance cited above. The HRA analysis conducted for the proposed Project will follow several of the guidelines, including specification of source and receptor locations in Universal Transverse*

(Footnote continued on next page)

- **Selection of TACs of Concern**—Identification of TACs that may be released in sufficient quantities to present a public health risk
- **Exposure Assessment**—Analysis of ways in which people might be exposed to TACs
- **Toxicity Assessment**—Evaluation of the toxicity of TACs that may present public health risks
- **Risk Characterization**—Characterization of the magnitude of health risks for the exposed individuals and populations and of locations in the community, where the greatest risks or hazards may be realized

3.1.1 Selection of TACs of Concern

In general, TACs of concern selected for this HRA are based on TACs identified under California Assembly Bill AB 2588 and for which the Office of Environmental Health Hazard Assessment (OEHHA) has developed cancer slope factors, chronic reference levels, and/or acute reference levels.

The list of TACs of concern used in this HRA were developed using SCAQMD and CARB regulatory lists and guidance, CARB total organic gas (TOG) and particulate matter (PM) speciation profiles, emissions estimates, and human toxicity information.

Project construction activities will result in the release of DPM from the use of off-road and on-road equipment and, to a lesser extent, TACs associated with the application of architectural coatings and operation of gasoline vehicles (e.g., construction employee parking on Project Site). Project construction also has the potential to release TACs associated with soil excavation and export activities. During excavation and export activities, materials that would be removed or disturbed may have the potential to release chemicals through fugitive dust and volatilization during soil handling. Soil, soil gas, and groundwater sampling were performed at various locations on the Project Site as part of the Phase I and II site assessments. Chemicals that were detected during sampling activities and have a cancer slope factor or chronic or acute risk factor were included as a TAC of concern.

Project operational activities will emit TACs through diesel truck deliveries, emergency back-up generators, spray paint booths, application of architectural coatings,

Mercator (UTM) coordinates referenced to World Geodetic System 1984 (WGS84) spatial system and estimation of cancer burden for residential areas within the 1 in 1 million cancer risk zone from proposed Project-related TAC emissions.

and operation of gasoline vehicles (e.g., employee parking and Mobility Hub). The Project would comply with the City of Los Angeles All-Electric Ordinance (Ordinance No. 187,714), which became effective on January 23, 2023 (after the Draft EIR was published) and would not include new natural gas boilers or heaters, with limited exceptions as permitted by the ordinance.[13] Delivery trucks and diesel-fueled backup generators would emit DPM.

Spray paint booth activities use paints, adhesives, and solvents. As discussed in more detail below, individual chemicals contained in paints, adhesives, and solvents were evaluated using CARB speciation profiles. Speciation profiles provide estimates of the chemical composition of emissions and are used for calculation of emissions inventories. Standard speciation profiles have been developed by the United States Environmental Protection Agency (USEPA) and CARB for commonly analyzed facilities, including painting operations.

The resulting list of TACs of concern evaluated in this HRA for construction and soil excavation/export activities is provided in Table 1 on page 8. Table 2 on page 9 provides a list of TACs of concern for Project operational activities. The list of TACs include only TACs with chronic Reference Exposure Levels (RELs), acute RELs, and cancer potency values identified by OEHHA.[14]

[13] *City of Los Angeles, Ordinance No. 187,714, approved December 10, 2022.*

[14] *Chemical-specific toxicity criteria used in the health risk calculations will consider toxicity values developed by OEHHA, USEPA, or both as described below.*

Table 1
Toxic Air Contaminants of Concern for the Human Health Risk Assessment—Construction

Toxic Air Contaminant	Type	Toxic Air Contaminant	Type
Ethyl Benzene	VOC	Hexane	VOC
Ethylene Glycol	VOC	Naphthalene	VOC
Ethylene glycol butyl ether	VOC	Propylene	VOC
Isopropyl Alcohol	VOC	Diesel Exhaust	Diesel Exhaust
Methanol	VOC	Acetone	VOC
Propylene glycol monomethyl ether	VOC	Methyl tert-butyl ether	VOC
Triethylamine	VOC	o-Xylene	VOC
Vinyl Acetate	VOC	1,2-Dichloroethylene	VOC
m-Xylene	VOC	Tricholoethylene	VOC
Methyl ethyl ketone	VOC	Antimony	PM-Metal
Tetrachloroethene	VOC	Arsenic	PM-Metal
Styrene	VOC	Barium	PM-Metal
t-Butyl acetate	VOC	Beryllium	PM-Metal
Toluene	VOC	Cadmium	PM-Metal
Xylenes	VOC	Chromium	PM-Metal
Ammonia	Inorganic	Cobalt	PM-Metal
Chlorine	Inorganic	Silver	PM-Metal
Copper	PM-Metal	Thallium	PM-Metal
Lead	PM-Metal	Vanadium	PM-Metal
Manganese	PM-Metal	Zinc	PM-Metal
Mercury	PM-Metal	Acrolein	VOC
Nickel	PM-Metal	1,2,4-Trimethylbenzene	VOC
Selenium	PM-Metal	Trimethylbenzenes	VOC
Silica, Crystalline	Inorganic	Chloroform	VOC
Sulfates	Inorganic	Cumene	VOC
Acetaldehyde	VOC	Pentacholophenol	VOC
Benzene	VOC	2-Methylnaphthalene	VOC
1,3-Butadiene	VOC	N-nitrosodi-n-propylamine	VOC
Formaldehyde	VOC		

Source: Eyestone Environmental, 2023.

Table 2
Toxic Air Contaminants of Concern for the Human Health Risk Assessment—Operations

Toxic Air Contaminant	Type	Toxic Air Contaminant	Type
Ethyl Benzene	VOC	Chlorine	Inorganic
Ethylene Glycol	VOC	Copper	PM-Metal
Ethylene glycol butyl ether	VOC	Manganese	PM-Metal
Isopropyl Alcohol	VOC	Mercury	PM-Metal
Methanol	VOC	Nickel	PM-Metal
Propylene glycol monomethyl ether	VOC	Selenium	PM-Metal
Triethylamine	VOC	Sulfates	Inorganic
Vinyl Acetate	VOC	Acetaldehyde	VOC
m-Xylene	VOC	Diesel Exhaust	Diesel Exhaust
Methyl ethyl ketone	VOC	Benzene	VOC
Tetrachloroethene	VOC	1,3-Butadiene	VOC
Styrene	VOC	Formaldehyde	VOC
t-Butyl acetate	VOC	Naphthalene	VOC
Toluene	VOC	Propylene	VOC
Xylenes	VOC	Arsenic	PM-Metal
Cobalt	PM-Metal	Cadmium	PM-Metal
Lead	PM-Metal	Chromium	PM-Metal
Silica, Crystalline	Inorganic	Vanadium	PM-Metal
Hexane	VOC	Chrysene	PAH
Ammonia	Inorganic	o-Xylene	VOC

PAH = polycyclic aromatic hydrocarbons
PM = particulate matter
VOC = volatile organic compounds
Source: Eyestone Environmental, 2023.

3.2 Exposure Assessment

3.2.1 Exposure Populations

This HRA considered the following scenarios: (i) construction, (ii) existing operations, (iii) future no Project operations, and (iv) future Project operations. For each of those scenarios, the following receptor types were evaluated, where applicable: proposed on-site childcare use, off-site workers, off-site residents, and off-site school children. Receptor age range (infant, child, adult) assumptions are provided in more detail below. As a whole, they cover a range of exposure scenarios for people who may be affected by Television City emissions to the greatest extent. Receptors, for which exposure scenarios

are prepared, were selected to provide risks and hazards estimates for the maximally exposed individuals (MEI) and to demonstrate the range of risks and hazards in the vicinity of the Project Site.

3.2.2 Exposure Pathways

Different receptor types (e.g., off-site residents, school children) could be exposed to TACs through several exposure pathways. Exposure scenarios were developed for each receptor type. Each scenario considered various pathways through which each receptor type may be exposed to TACs.

An exposure pathway consists of four parts:

- A TAC source (e.g., construction equipment fuel combustion)
- A release mechanism (e.g., construction equipment 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. Incomplete pathways were not evaluated in this HRA.

For the Project, the inhalation, inadvertent ingestion, and dermal exposure pathways are the primary and most important exposure pathways and were quantitatively evaluated for receptors.

As a subset of the ingestion pathway, home-grown produce and mother's milk was also considered in the analysis consistent with SCAQMD-recommended HRA guidelines.[15] Home-grown produce (vegetables and fruit) has the potential to absorb pollutants deposited from Project-generated fugitive dust. Nursing mothers exposed to pollutants have the potential to transfer these pollutants to their milk during lactation. As a result, home-grown produce and mother's milk ingestion was considered for residential receptors.

Volatile organic compounds (VOCs) present in groundwater may volatilize and migrate to the surface, potentially exposing receptors. Dewatering activities may expose

[15] *South Coast Air Quality Management District, Supplemental Guidelines for Preparing Risk Assessments for the Air Toxics "Hot Spots" Information and Assessment Act (AB 2588), June 2011.*

contaminated groundwater, allowing for chemical volatilization into ambient air. Therefore, off-site exposure through inhalation to groundwater vapors, potentially released from within the Project Site, were considered as an exposure pathway. There is no complete pathway for off-site exposures from off-site groundwater because there are no known off-site VOC impacts to groundwater.

3.3 Exposure Concentrations

3.3.1 Emission Estimates

TACs associated with Project construction and operations generally consist of PM and VOC emissions. The concentrations of TACs were determined from concentrations of PM and VOC/TOG for specific source types using particulate matter and organic compound speciation profiles developed by CARB, where applicable.[16] Therefore, PM and VOC emissions were estimated using appropriate modeling tools for each source type. The specific sources considered in this HRA analysis are provided below. DPM was used as a surrogate for all TAC emissions from diesel-fueled compression-ignition internal combustion. OEHHA does not provide an acute REL for DPM. Therefore, CARB speciation profiles for diesel exhaust were selected to evaluate acute hazard risk. Please refer to Appendix B of this HRA for a list of CARB speciation profiles and analyzed compounds for each specific source-type.

3.3.1.1 Construction

Construction activities will generate emissions from off-road equipment usage, on-road vehicle travel on the Project Site (truck hauling, vendor deliveries, and workers commuting). In addition, proposed excavation and dewatering activities could result in the release of limited amounts of TACs from potentially contaminated soils and groundwater, respectively.

Page IV.A-74 in Section IV.A, Air Quality, of the Draft EIR acknowledges that construction activities could extend over 20 years. However, the overall amount of demolition, excavation/export, and square footage of building construction would not change due to a longer overall duration of construction activities. Thus, for this HRA, the 32-month, more intensive schedule was assumed, resulting in the greatest reasonably foreseeable Project-related TAC emissions occurring over the shortest anticipated construction period. This approach appropriately and conservatively accounts for the amplified exposure effects associated with childhood age sensitivities. Age-adjustment

[16] *California Air Resources Board, Speciation Profiles Used in CARB Modeling, ww2.arb.ca.gov/speciation-profiles-used-carb-modeling, accessed October 24, 2023.*

sensitivity factors (ASFs) require the calculated cancer risk to be multiplied by 10 for cancer risk that occurs for the duration an individual is exposed between the age of 3rd trimester and up to 2 years, a factor of 3 from the age above 2 and up to 16 years, and no adjustment beyond 16 years old. The use of a 32-month construction duration would assume that a sensitive receptor would be exposed at a starting age of 3rd trimester (3 months before birth) until 29 months old. Thus, based on a 32-month construction duration, risk would be multiplied by 10 for ages 3rd trimester to 24 months (2 years) old and risk multiplied by 3 for the remaining construction duration, whereas use of a 20-year construction duration would spread out the total emissions over 20 years (roughly 13 percent of total emissions on an annual basis) and then multiply the much lower annual emission rate the ASFs (10 for 2.25 years (27 months)), by 3 for 14 years, and no adjustment for 3.75 years. It should be noted that the 20-year buildout would expect to benefit from future improvements in equipment efficiencies (more stringent regulatory requirements that would reduce future air emissions during Project construction), resulting in reduced TAC exposure relative to the 32-month buildout scenario. Please see Appendix C1 of this HRA for detailed calculations of Project construction TAC emissions.

3.3.1.1.1 On-Site Equipment Exhaust

The Project's construction emissions in the Draft EIR were calculated using the SCAQMD-recommended CalEEMod (Version 2020.4.0). See Appendix B of the Draft EIR. CalEEMod 2022.1.1 was subsequently released for full launch on December 21, 2022. The Project's construction emissions were recalculated using CalEEMod 2022.1.1 and the same construction schedule, equipment mix, and truck trips evaluated in the Draft EIR analysis. The results of the modeling were used in this HRA for characterization of on-site equipment exhaust. The emission calculations associated with construction equipment are from off-road equipment engine use based on the equipment list and phase length. Since most off-road construction equipment used for construction projects are diesel fueled, CalEEMod conservatively assumes all of the equipment operates on diesel fuel. Construction equipment emissions vary with engine model years, with newer equipment emitting fewer pollutants. The CalEEMod model uses an emission rate for equipment that represents a weighted-average model year for available equipment within the South Coast Air Basin (Air Basin). CalEEMod calculates the exhaust emissions based on CARB OFFROAD emission factors, horsepower rating, load factor, and time of use. Off-road equipment emissions will account for the incorporation of Mitigation Measure AIR-MM-1 (meet USEPA Tier 4 Final standards), which is included in Section IV.A, Air Quality, of the Draft EIR. For acute hazard risk from on-site equipment exhaust, CARB number PM 7493 speciation profile and CARB number ORG 818 were used in the analysis.

3.3.1.1.2 On-Site Vehicle (Haul Truck) Exhaust Emissions

Emissions from diesel-powered haul trucks traveling on-site were calculated using the CARB EMFAC2021 emissions model.[17] The EMFAC2021 model contains on-road vehicle fleet information (number of vehicles, miles traveled, emissions) based on registration data from the Department of Motor Vehicles.[18] On-site on-road vehicles include haul trucks and delivery trucks. EMFAC2021 outputs provide DPM emission factors in terms of grams per mile while traveling or grams per hour of idling time. Emissions also vary by speed and the size of the engine. Consistent with CalEEMod default assumptions for haul trucks, this HRA included all construction trucks as diesel powered. DPM from on-site trucks were calculated for both idle and travel emissions. Calculations were based on emission factors for the EMFAC vehicle class "HHDT." The fleet mix was based on the earliest year of construction contemplated in the Draft EIR (Year 2023) and accounts for the incorporation of Mitigation Measure AIR-MM-2 (limiting truck usage to model years 2010 and newer), which is included in Section IV.A, Air Quality, of the Draft EIR. Therefore, EMFAC emissions factors for the fleet mix only included model years 2010 and newer vehicles. For acute hazard risk from on-site vehicle exhaust, CARB number PM 7231 (Year 2023 Idle), CARB number PM 7232 (Year 2023 Transient) and CARB number ORG 818 speciation profiles were used in the analysis.

- Idle emissions were based on idle time and the number of trucks operating on-site. Idle time was limited to a maximum of five minutes at a time per the Air Toxics Control Measure adopted by CARB to limit idling toxics emissions.[19] While State regulation limits idling to five minutes at a time, trucks often idle several times on-site (entrance and exit staging areas and during soil loading operations). To account for idling emissions throughout the Project Site, a total of 15 minutes of idling per trip was assumed in the calculation of on-site truck emissions.

- Travel emissions were calculated based on the number of truck trips, speed and distance traveled. On-site travel by construction trucks on paved roads were limited to 15 miles per hour (mph) with reduced speeds closer to the active construction area. Specifically, trucks were limited to 10 mph on stabilized unpaved roads and 5 mph on unpaved roads controlled by watering (e.g., active working face of excavation activities). Emissions were calculated for off-site trucks travelling to and from the site along public roads within 0.5 miles of the Project site. Off-site travel by construction trucks on paved roads also assumed

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[17] *California Air Sources Board, Mobile Source Emission Inventory—Current Methods and Data, ww2.arb.ca.gov/our-work/programs/mobile-source-emissions-inventory/msei-modeling-tools, accessed October 24, 2023.*

[18] *California Air Resources Board, EMFAC2021 Technical Documentation, April 2021.*

[19] *Cal. Code Regs. Tit. 13, §2485.*

a 15 mile per hour speed limit. Truck travel distances were measured based on Figure II-4, Conceptual Site Plan, of the Draft EIR.

3.3.1.1.3 On-Site Vehicle (Construction Employee) Exhaust Emissions

Emissions from gasoline powered vehicles resulting from employee vehicle trips were calculated using the CARB EMFAC2021 emission model. Calculations were based on emission factors for the EMFAC vehicle class light-duty-auto (LDA) and light-duty-trucks (LDT1 and LDT2) consistent with CalEEMod default assumptions for employee vehicle trips. The fleet mix was based on the earliest year of construction contemplated in the Draft EIR (Year 2023) and accounted for the number of construction employees evaluated in the Draft EIR. Construction employee on-site speed was assumed to be 10 mph and distances were measured based on the proposed development program's building locations, as discussed in Section II, Project Description, of the Draft EIR. CARB number PM 4001 speciation profile and ORG 2303 speciation profile for gasoline exhaust with catalytic converters were used to calculate cancer, acute and chronic risk resulting from employee vehicle trips on-site.

3.3.1.1.4 TACs from Potentially Contaminated Soils

Site investigations have been conducted for the Project Site. These include a Phase I ESA and Limited Phase II Investigation, which confirmed the presence of residual or low levels of contamination of soil and groundwater on the Project Site. Geosyntec performed a Limited Phase II Investigation for the Project Site in October 2018 and Supplemental Phase II Investigations in November 2018, August 2019, and May 2020.[20] Detections of specific chemicals in soil and groundwater were variable throughout the Project Site due to the size and varying historical uses. Chemicals identified include metals, gasoline range and diesel range organics, benzene, toluene, ethylbenzene, xylene, tetrachloroethylene (TCE) and cis-1,2-dichloroethene (cis-1,2-DCE), and other VOCs. Based on the cited studies and proposed areas of excavation, Geosyntec provided an estimate of quantities and impacted areas of potentially contaminated soils in the technical memorandum included as Appendix C2 of this HRA.[21] Due to the sampling amounts performed for the

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[20] *Geosyntec Consultants, Limited Phase II Site Investigation Report, 7800 West Beverly Boulevard, Los Angeles, CA, November 7, 2018; Limited Phase II Report Addendum for Supplemental Investigation, 7800 West Beverly Boulevard, Los Angeles, CA, December 6, 2018; Supplemental Environmental Investigation, 7800 West Beverly Boulevard, Los Angeles, CA, September 13, 2019; and Supplemental Investigation, 7800 West Beverly Boulevard, Los Angeles, CA, August 7, 2020, included in Appendix G of the Draft EIR. Refer to the Site Summary Report for further discussion. Referenced dates reflect the date of the investigations, not the report dates.*

[21] *Geosyntec Consultants, Memorandum Estimated Volume of Impacted Soil and Constituents of Potential Concern in Response to Comments on the Draft EIR, March 13, 2023, included in Appendix C2 of this HRA.*

Project Site, maximum concentrations for chemicals detected in the Phase I and Phase II investigations for the soil locations were used as a representative concentration. For chemicals that were sampled but had concentrations below the reporting limit, the reporting limit was used as the representative concentration as a conservative approach.

3.3.1.1.4.1 Fugitive Dust from Excavation and Handling of Potentially Contaminated Soil Contaminated Soil

Although the soil itself is not considered toxic, metals and other TACs bound to the soil particulates could expose sensitive receptors to health hazards during excavation and handling of contaminated soil.

Emissions of PM_{10} from excavation and handling of potentially contaminated soils from the Project Site were estimated using the equation and emission factors in the USEPA AP-42 Section 13.2.4.3.[22] Emission factors generated as a result of the equation apply to soil excavation, unloading, and truck loading activities. It was assumed that soils would be excavated using an excavator, then transferred to a loader, then loaded onto trucks or sealed bins. The analysis also assumed that soils will be handled twice (excavation to loader, and loader to truck). The following equation was used to determine PM_{10} of potentially contaminated soils:

$$E = k \times (0.0032) \times (U/5)^{1.3} / (M/2)^{1.4}$$

Where:

E = emission factor, (lbs PM_{10} per ton of soil handled)

k = particle size multiplier (dimensionless)

U = mean wind speed, miles per hour (mph)

M = material moisture content (%)

The emission factor is based on USEPA AP-42 equation 13.2.4.3(1) and is also developed based on ranges of the source conditions, such as silt content and mean wind speed. The following parameters are assumed for calculation of fugitive dust:

[22] *U.S. Environmental Protection Agency, AP-42, Fifth Edition, Volume I Chapter 13: Miscellaneous Sources, Equation 13.2.4, November 2006.*

k = 0.35 (AP-42 default for PM_{10})

U = 0.5 m/s or 1.12 mph (CalEEMod selects the nearest monitoring station in the Los Angeles area and reports the windspeed as default for the modeling run)

M = 12% (AP-42 default)

Geosyntec provided an estimate of metal concentrations and quantities of potentially contaminated soils specific to each excavation area.[23] Due to the amount of sampling performed for the Project Site, maximum concentrations for chemicals detected in the Phase I and Phase II investigations for the soil locations were used conservatively as representative concentrations in the soil. For chemicals that were sampled but had concentrations below the reporting limit, the reporting limit was used conservatively as the representative concentration. Soil chemical concentrations vary spatially throughout the Project Site. In order to account for contaminated soil located in specific areas of the Project Site, as well as proximity to sensitive receptors, the Project Site was divided into four separate quadrants. Soil sampling data was assigned to each of these quadrants to assess impacts to nearby receptors. Regarding arsenic, the majority of samples collected on-site showed concentrations below the background arsenic concentrations for soils in Southern California as determined by the California Department of Toxic Substances Control (DTSC). As set forth in DTSC's Determination of Southern California Regional Background Arsenic in Soil (the California guidance document on regional Arsenic concentrations in soil), the upper-bound of background arsenic concentrations in soils for Southern California is 12 mg/kg. The purpose of this guidance document was to establish an appropriate screening level for arsenic, including contributions for both ambient and anthropogenic sources, given its widespread presence in Southern California soils. DTSC concludes that 12 mg/kg is a useful screening number for evaluating arsenic as a chemical of potential concern in Southern California.[24] Soil samples with detected arsenic below 12 mg/kg were screened out of the analysis.

3.3.1.1.4.2 Volatile Emissions from Excavation and Handling of Contaminated Soil

VOCs in the soil pore space are emitted during the handling/excavation of VOC impacted soil. Emissions of VOCs from soil during excavation/handling activities are defined by the amount of VOCs in the volume of soil excavated or disturbed. A simplifying

[23] *Geosyntec Consultants, Memorandum Estimated Volume of Impacted Soil and Constituents of Potential Concern in Response to Comments on the Draft EIR, March 13, 2023, included in Appendix C2 of this HRA.*

[24] *Chernoff et al., Department of Toxic Substances Control, Determination of a Southern California Regional Background Arsenic Concentration in Soil, 2008.*

assumption is often made that all of the VOCs contained in the soil pore-space are released during the mechanical disturbance.[25]

Ambient VOC concentrations arising from undisturbed subsurface contamination depend on the diffusion of the volatile component through the soil pore space. This depends on several variables, including the soil's physical properties, the soil's moisture content, the vapor pressure and volatility of the particular VOC, the partitioning between the VOC and the soil moisture, and the diffusivity of the VOC through the air-filled pore space. Since this requires a significant amount of chemical-specific information, computer models developed by USEPA are recommended for use in determining the volatilization factors and the emission rates. One such model, the Exposure Model for Soil Organic Fate and Transport (EMSOFT), used by USEPA to develop emission rates for soil screening levels, was used in calculating subsurface diffusive emissions for this HRA. The program was run using the methodology outlined in the EMSOFT User's Guide[26] to determine the time-averaged unit emission flux, as discussed in further detail below.

Off-gassing emissions were calculated using the USEPA-approved EMSOFT model. During excavation activities, for emission calculation purposes, it was conservatively assumed that soil would be exposed to the atmosphere for up to one hour in an uncontrolled state. However, in practice, soil removal activities would comply with SCAQMD Rule 1166, which states that excavated soil with a VOC concentration greater than 1,000 parts per million (ppm) shall be sprayed with water or a vapor suppressant and placed in sealed containers within 15 minutes, loaded into trucks and moistened, covered, and transported off-site within 30 days or contained using an approved alternative storage method. Emissions were calculated based on the amount of soil excavated on an hourly and daily basis.

3.3.1.1.4.3 Volatile Emissions from Temporary Construction Dewatering

The groundwater that is pumped during the temporary construction dewatering efforts on-site may require treatment, pursuant to the applicable discharge permit. As stated on page IV.F-44 in Section IV.F, Hazards and Hazardous Materials, of the Draft EIR, a discharge permit will be obtained from either the Los Angeles Regional Water Quality Control Board (National Pollutant Discharge Elimination System permit) or Los Angeles Sanitation (sanitary sewer industrial discharge permit), depending on the appropriate discharge point, and any discharge of groundwater would need to comply with all

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[25] *U.S. Environmental Protection Agency, Estimation of Air Impacts for the Excavation of Contamination Soil, EPA-450/1-92-004. Office of Air Quality Planning and Standards. Air Superfund National Technical Guidance Series, 1992.*

[26] *U.S. Environmental Protection Agency, EMSOFT User's Guide: Update to EMSOFT User's Guide, 2002.*

applicable regulatory requirements. Pursuant to such requirements, the extracted groundwater would be chemically analyzed to determine contamination and the appropriate treatment and/or disposal methods.

For the purpose of this HRA, it was conservatively assumed that contaminated groundwater on-site would require treatment through a closed-loop system, which would minimize release of contaminants to the atmosphere during treatment. Water treatment would be performed using a granular activated carbon (GAC) system, which would consist of a holding tank, transfer pumps, filtration units and carbon vessels. The holding tank may be exposed to the atmosphere for brief maintenance activities. All other components of the system would be closed loop and result in minimal emissions during groundwater treatment. Emissions from treatment of groundwater were calculated based on water flow rate through the holding tank and potential exposure to the atmosphere.

Although unlikely to occur during operations, it was conservatively assumed that VOCs in the contaminated water would be completely volatilized while flowing through the holding tank. GAC systems are proven technology with high removal efficiencies (up to 99.9 percent) for many VOCs, including TCE and tetrachlorethylene (PCE).[27] For purposes of this HRA, it was conservatively assumed that approximately one percent of volatilized VOCs in the holding tank may be vented to the atmosphere. Emissions calculations from the treatment of groundwater were based on the maximum detected concentrations and also conservatively assume no depletion throughout the duration of dewatering.

3.3.1.1.5 Asphalt Off-Gassing

Application of asphalt during paving operations will result in emissions of VOCs. The Project's asphalt paving emissions were calculated using the SCAQMD recommended CalEEMod (Version 2020.4.0). See Appendix B of the Draft EIR. As discussed above, CalEEMod 2022 was released after the Draft EIR was published, and the Project's construction emissions were recalculated using CalEEMod 2022.1.1. The results of the modeling were used in this HRA for characterization of asphalt off-gassing. Emissions of TACs during asphalt paving operations were based on CARB number ORG 716 speciation profile for medium cure asphalt.

3.3.1.2 Application of Architectural Coatings

Application of architectural coatings (paints) to exterior and interior building surfaces would result in emissions of VOCs. The Project's architectural coating emissions were

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[27] *U.S. Environmental Protection Agency, Overview of Drinking Water Treatment Technologies, www.epa.gov/sdwa/overview-drinking-water-treatment-technologies#GAC, accessed October 24, 2023.*

calculated using the SCAQMD recommended CalEEMod (Version 2020.4.0). See Appendix B of the Draft EIR. As discussed above, CalEEMod 2022 was released after the Draft EIR was published, and the Project's construction emissions were recalculated using CalEEMod 2022.1.1. The results of the modeling were used in this HRA for characterization of architectural coatings. Volatile organic emissions of TACs during architectural coating operations were calculated using CARB speciation profiles. CARB provides profile numbers corresponding to specific speciation profiles. For architectural coatings, CARB number ORG 3903 speciation profile for solvent-based coatings and CARB number ORG 3904 speciation profile for water-based coatings were used in the analysis. The percent of solvent-based versus water-based coatings were based on the CARB 2014 Survey, which showed that about 89 million gallons of architectural coatings were sold in California during 2013, with 6 percent of that volume coming from solvent-based products and 94 percent from water-based products.[28]

3.3.1.3 Operations

Operational TAC emissions were calculated based on pollutant emissions presented in the 2019–2021 Annual Emission Reports (AERs) for Television City Productions (Facility ID 189282). Potential indirect sources of TACs not included in the AERs were also included in this HRA and discussed below.

3.3.1.3.1 Boilers

Existing TAC emissions were based on the natural gas usage and resultant organic gas emissions provided in TVC's 2021 AER, which is the latest available AER. Emissions of TACs from boilers were based on CARB number PM 1101 speciation profile and CARB number ORG 3 speciation profile for external combustion natural gas boilers. While the Draft EIR provided natural gas usage associated with the Project, the City of Los Angeles subsequently passed an All-Electric Ordinance (Ordinance No. 187,714), which prohibits new natural gas-powered equipment, with limited exceptions. Therefore, the Project would not install new natural gas boilers at buildout, and new natural gas boilers were not included in this HRA.

3.3.1.3.2 Emergency Generators

Existing DPM emissions are provided in TVC's 2021 AER, which is the latest available AER, and reflect the actual number of hours used and not permitted allowable hours. Please see Appendix D of this HRA for a summary of emergency generator operating parameters for both existing and Project conditions. With the exception of one

[28] *California Air Resources Board, Architectural Coatings Survey, May 6, 2022.*

emergency generator (ID 618456 (i.e., Big Blue)), all existing emergency generators would be decommissioned and replaced with new emergency generators as part of the Project. Please refer to Appendix H of this HRA for existing and Project source configuration figures. Since the new generators have the potential to be located within 50 meters (approximately 170 feet) of residential uses to the east of the Project Site, the Project would be required to comply with the new requirements in Table 1 of SCAQMD Rule 1470.[29] A PDF is included in the Final EIR requiring new generators to meet the new emission standards included in Table 1 of SCAQMD Rule 1470 and USEPA Tier 4 Final standards regardless of whether the generator is within 50 meters of sensitive land uses. DPM emissions were calculated consistent with the emission factors in Table 1 of SCAQMD Rule 1470 and the average annual hours of use as the existing generators included in the 2021 AER (approximately 10 hours per year per emergency generator). While the emergency generators would likely be permitted for 200 hours per year consistent with SCAQMD Rule 1470, it is conservative to limit the usage in the analysis to historical annual hours of use since future emissions from the new generators substantially decrease in comparison to existing emergency generators (resultant DPM emission factors substantially decrease for future Rule 1470 compliant generators in comparison to existing older generators). Analysis of both existing and proposed generators at permitted hours (200 hours per year) would overestimate the reduction in future DPM emissions and reduce potential incremental health risk impacts for hours of generator usage that would typically not occur on an annual basis. The average DPM emission factor for the five existing emergency generators that will be decommissioned is 0.40 g/hp-hr and would decrease to 0.02 g/hp-hr for the new generators. The existing generators result in 41.8 lbs/yr of DPM based on historical annual hours of use or 837.5 lbs/yr at 200 hours. Under the Project, the seven new emergency generators combined with the Big Blue generator would result in 8.2 lbs/yr of DPM based on historical annual hours of use or 140.5 lbs/yr at 200 hours. The ratio of Project/existing generators based on historical hours is 5.1 and is 5.9 at 200 hours per year. Thus, the difference in Project versus existing emissions increases with increased use of the emergency generators, and it is more conservative to analyze generator usage based on historical annual hours of operation. For acute hazard risk from emergency generators, CARB number PM 7493 speciation profile and CARB number ORG 818 were used in the analysis.

3.3.1.3.3 On-Site Operational Truck Trips

TAC emissions are associated with delivery trucks, catering and services trucks, and other trucks used to deliver materials or provide services to television production operations. Existing truck trips and distribution were based on manual trip counts provided

[29] *A PDF will be included in the Final EIR requiring new generators to meet the new emission standards included in Table 1 of SCAQMD Rule 1470; refer to Section III, Revisions, Clarifications, and Corrections to the Draft EIR.*

by Gibson (Gibson Truck Trip Memorandum) and is included as Appendix E of this HRA.[30] All heavy-duty trucks (semis) were assumed to be diesel powered. Medium-heavy and medium-duty truck emissions calculations were based on EMFAC2021 vehicle registration data (population) and VMT within Los Angeles County for diesel and gasoline vehicles. The analysis included on-site travel and idle time of 15 minutes per vehicle for medium- and heavy-duty trucks. Emission factors also take into account existing baseline year (2021) and future buildout years (2026). Truck trips and distribution at Project buildout were based on traffic modeling performed by Gibson Transportation.[31] Emissions of TACs from gasoline truck exhaust were based on CARB number PM 4001 speciation profile and ORG 2303 speciation profile for gasoline exhaust with catalytic converters. For acute hazard risk from on-site vehicle exhaust, CARB number PM 7211 (Year 2021 Idle), CARB number PM 7212 (Year 2021 Transient), CARB number PM 7261 (Year 2026 Idle), CARB number PM 7262 (Year 2026 Transient), and CARB number ORG 818 speciation profiles were used in the analysis.

3.3.1.3.4 On-Site Vehicle (Mobility Hub and Employee) Exhaust Emissions

The Project would include a Mobility Hub for employees and visitors, which would provide an off-street area for additional passenger pick-up/drop-off and temporary parking of carpools, vanpools, shuttles, ride-share, taxi, and other commercial and non-commercial vehicles. Shuttles traveling to and from the Mobility Hub would not be diesel but rather gasoline, natural gas, or electric powered. Electric vehicle (EV) chargers would be provided for the shuttle parking spaces. As a conservative assumption, shuttles traveling to and from the Mobility Hub would be powered by gasoline. Emission factors were based on EMFAC2021 Medium Heavy-Duty Trucks (MHDT) powered by gasoline. Emissions from gasoline powered vehicles resulting from employee vehicle trips were calculated using the CARB EMFAC2021 emission model. Calculations were based on emission factors for the EMFAC vehicle class LDA, LDT1 and LDT2,[32] consistent with CalEEMod default assumptions for employee vehicle trips. The fleet mix accounted for existing baseline year (2021) and future buildout years (2026) and for the number of employee trips evaluated in the Draft EIR.[33] Employee on-site speed was assumed to be 10 mph, and distances were measured based on Figure II-4, Conceptual Site Plan, in Section II, Project Description, of the Draft EIR. CARB number PM 4001 speciation profile and ORG 2303 speciation profile

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30 *Gibson Transportation Consulting, Inc., Truck Trip Estimates for the TVC 2050 Project, March 8, 2023.*

31 *Gibson Transportation Consulting, Inc., Truck Trip Estimates for the TVC 2050 Project, March 8, 2023.*

32 *LDA (light duty auto and equivalent to all passenger cars); LDT1 (light-duty trucks up to 3,750 pounds); and LDT2 (light-duty trucks between 3,751 and 5,750 pounds).*

33 *As discussed above, the Project buildout may be extended to Year 2043. The worst-case scenario of Year 2026 buildout was analyzed as during future years, vehicle emissions would be lower due to more stringent emissions control regulations.*

for gasoline exhaust with catalytic converters were used to calculate cancer, acute, and chronic risk resulting from gasoline vehicle trips on-site.

3.3.1.3.5 Paint Booths

The Project Site currently includes spray paint booths, which emit TACs during operations. Existing emissions data are based on AERs sent to the SCAQMD. The latest available AER data are from 2019 through 2022 (Quarter 1). During years 2020 and 2021, spray paint usage was reduced due to the COVID-19 pandemic. Extrapolating 2021 Quarter 1 usage to an annual basis would result in an annual usage similar to 2019. Therefore, VOC and PM emissions from the 2019 AER were used to characterize the existing spray paint booth emissions. Please see attached summary of usage and emissions (Appendix F of this HRA).

This HRA conservatively includes the same level of paint/solvent/adhesive usage reported in TVC's 2019 AER for future operations. Legacy studio lots, such as Television City, often lag behind advancements made in modern technology and sustainability infrastructure. Television City began operations in the era of analog broadcast, with physical film reels being the primary medium to capture media content. The existing Project Site has a large amount of production support uses relative to the mix of sound stage and production office space on-site. Modern studios, such as the Project, no longer offer the full-service gamut of production support but more so to function in a manner that provides each individual production with the flexibility to choose how to use their space to meet their specific needs. Traditional set making and processes, such as fabrication and painting, have shifted to digital production and virtual environments, reducing the needs for physical construction techniques. Furthermore, any new spray paint booths at the Project Site would include the most up-to-date equipment, which would comply with current SCAQMD requirements (e.g., more efficient paint sprayers and HEPA filtration increasing PM_{10} filtration from 90 percent to 99.97 percent) and SCAQMD permit conditions. Based on this information, the HRA conservatively used the same level of paint/solvent/adhesive usage reported in TVC's 2019 AER for future operations.

Volatile organic emissions of TACs during spray booth operations were calculated using CARB ORG number 3903 speciation profile for solvent-based coatings and CARB ORG number 3904 speciation profile for water-based coatings. Where applicable, PM emissions of TACs during spray booth operations were calculated using CARB PM number 2202 speciation profile for water-based coatings and CARB PM number 2201 speciation profile for solvent-based coatings.

3.3.1.3.6 Food Truck Operations

Commercial cooking activities are capable of producing criteria pollutants and related TACs. Television City currently allows food trucks to access the Project Site. Since meals are often prepared offsite (e.g., sandwiches, salads), only a limited number of food trucks are equipped with cooking equipment (i.e., char broilers). Pollutant emissions from food trucks were calculated based on emission factors provided in SCAQMD Rule 1138 (Appendix F) for commercial cooking operations. Existing operations were based on one food truck equipped with a char broiler or griddle per production (six simultaneous productions per day). As the Project would result in approximately 10 simultaneous productions (two sound stages per production) per day on average, it is anticipated that the Project could have 10 food trucks equipped with a char broiler or griddle per day on average. This level of food truck activity is conservative since production is not anticipated to occur daily at all 10 productions nor would food trucks be anticipated to service the productions every day that production would occur. Please refer to Appendix F for char broiler emissions calculations. Volatile organic emissions of TACs from food trucks were calculated using CARB ORG number 1453 speciation profile for meat charbroiling and CARB PM number 502 speciation profile for cooking.

3.3.1.3.7 Architectural Coatings for Maintenance

During Project operations, buildings would be repainted occasionally to maintain the architectural coatings. The CalEEMod model assumes that ten percent of the buildings would be repainted on an annual basis. Architectural coating emissions were calculated using the same methodology used for construction architectural coatings discussed above.

3.3.2 Dispersion Modeling

Air dispersion modeling was used to estimate ambient criteria pollutant concentrations for each scenario noted above. The predicted incremental difference in concentrations between the Project and existing condition scenarios for each year modeled will represent the Project-related contribution to ambient concentrations. Modeling was conducted such that Project-related concentrations of individual TACs can be developed from PM_{10} and VOC (or TOG) modeled concentrations.

The air dispersion analysis was performed in accordance with SCAQMD modeling guidelines.[34] The air dispersion analysis requires the following: (1) selection of the dispersion model; (2) evaluation of potential terrain considerations; (3) selection of

[34] *South Coast Air Quality Management District, SCAQMD Modeling Guidance for AERMOD, www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance, accessed October 24, 2023.*

appropriate dispersion coefficients based on land use; (4) selection and/or preparation of meteorological data; (5) identification of source locations and modeling parameters; (6) selection of receptor locations; and (7) selection of appropriate averaging time periods.

3.3.2.1 Model Selection

Dispersion modeling was performed using the AMS/USEPA Regulatory Model (AERMOD), which is a steady-state Gaussian plume model that incorporates air dispersion based on planetary boundary layer turbulence structure and scaling concepts, including treatment of both surface and elevated sources, and both simple and complex terrain. AERMOD is listed as a preferred model in USEPA's Guideline on Air Quality Models.[35] AERMOD is utilized by USEPA and the California Environmental Protection Agency (CalEPA) for estimating ground-level impacts from point and fugitive sources in simple and complex terrain. SCAQMD requires that AERMOD be run using USEPA regulatory default options, unless non-default options are justified.[36] In this case, AERMOD was run using USEPA regulatory default options. Additional modeling options consistent with SCAQMD guidance are listed below:

- Urban dispersion (Los Angeles County population of 9,818,605, as per SCAQMD guidance).[37]
- Averaging periods include 1-hour, 8-hour, and annual (chronic and cancer risk).
- Flagpole receptor heights include 0 meter (corresponding to ground-level concentrations) and elevated receptor heights (6.1 and 12.2 meters or 20 and 40 feet) for residential uses east of the Project Site since apartment units are located over two levels of parking.
- Building downwash was included based on existing and proposed building dimensions. Existing building dimensions and heights (ranging from approximately 50 to 88 feet) was provided by Rios and building locations were consistent with Figure II-3 in Section II, Project Description, of the Draft EIR. Proposed building locations were consistent with Figure II-4 in Section II, Project Description, of the Draft EIR. Proposed building heights were based on Figure II-5, Height Zone Map, in Section II, Project Description, of the Draft EIR. The maximum height in each height zone was used for each building.

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[35] *40 CFR Part 51, Revision to the Guideline on Air Quality Models: Adoption of a Preferred General Purpose (Flat and Complex Terrain) Dispersion Model and Other Revisions; Final Rule.*

[36] *South Coast Air Quality Management District, AQMD Modeling Guidance for AERMOD, www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance, accessed October 24, 2023.*

[37] *South Coast Air Quality Management District, AQMD Modeling Guidance for AERMOD, www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance, accessed October 24, 2023.*

3.3.2.2 Terrain

Terrain data was incorporated in the analysis using National Elevation Dataset (NED) 1 arc-second data available from the U.S. Geological Survey. The terrain data were used to set the base elevation for each source and each receptor incorporated into the model.

3.3.2.3 Meteorological Data

Exposure concentrations can be estimated using screening techniques or predicted using refined dispersion modeling (for inhalation pathways) analyses, which consider wind speed and direction, temperature, atmospheric pressure, and the influence of intervening buildings and topography.

The SCAQMD provides model-ready, preprocessed meteorological data for use in dispersion modeling using AERMOD. The use of SCAQMD meteorological data ensures consistency among dispersion modeling analyses in the Air Basin and eliminates the need for individual parties to apply their own correction measures for missing data. Meteorological data from the SCAQMD Central Los Angeles monitoring station, located at 1630 North Main Street, Los Angeles, 90012, approximately 7.5 miles to the east of the Project Site, were used. To account for annual variations in wind patterns, five years of meteorological data were used (years 2012–2016, as mandated by SCAQMD). Monitoring data from the monitoring station has indicated that the predominant wind direction is from the southwest (see Appendix H of this HRA). As a result, the data used would reflect maximum long-term impacts to the northeast of the Project Site.

3.3.2.4 Source Parameters

Source parameters include modeled source locations, source types (such as point, area, line, or volume types), and temporal emission variations. The modeling source configurations are included as Appendix H of this HRA.

3.3.2.4.1 Volume Sources

3.3.2.4.1.1 Construction Activities

Construction and soil removal activities would require truck travel and heavy equipment operation onsite, which generate diesel exhaust emissions. Sources of on-site truck travel and heavy equipment operation were characterized using the SCAQMD Localized Significance Threshold (LST) guidance and the Health Risk Assessment

Guidance for Mobile Source Diesel Emissions.[38,39] Exhaust emissions from construction and operational equipment were treated as a set of side-by-side elevated volume sources. The release height was assumed to be 12 feet. This represents the mid-range of the expected plume rise from frequently used construction equipment and operational heavy-duty trucks during daytime atmospheric conditions. All construction exhaust emissions were assumed to take place over a 32-month duration on weekdays between 7 A.M. and 3 P.M. (an 8-hour period).

For purposes of conservatively analyzing construction impacts, it was assumed that the entire Project would be constructed over the course of 32 months. The Project Applicant is seeking a Development Agreement with a term of 20 years, which could extend the full buildout year to approximately 2043, as discussed further below. However, the shorter construction duration (32 months) would result in more intensive activities on a daily basis, as well as overlapping activities in comparison to a 20-year buildout schedule. In addition, heavy equipment and truck emissions are expected to result in lower emissions due to stringent emissions control regulations in the future. As discussed above, ASFs used to calculate cancer risk impacts take into account early life exposure when younger children and infants are more sensitive to TACs in comparison to adults. Health risk impacts analyzed with a compressed and intensive construction schedule would conservatively account for early life exposure. Therefore, as a conservative assumption, it was assumed that construction would be completed within 32 months.

3.3.2.4.1.2 Vehicular/Truck Operations

During operations, the Project would generate vehicle trips from employees, visitors, deliveries, catering, service trucks, and other vehicles used to deliver materials or provide services to support television production operations. Diesel exhaust resulting from on-site vehicles during Project operations was assessed as a set of side-by-side elevated volume sources consistent with the on-site distribution. The release height was assumed to be 12 feet. Operational exhaust emissions were assumed to take place six days per week between 7 A.M. to 6 P.M. (an 11-hour period during which the vast majority of trucks would be active on the Project Site) and include 15 minutes of idle time to account for ingress, egress, and travel on-site.[40] While truck activity would occur across the Project Site, this HRA proportioned the majority of activity in close proximity to multifamily residential uses located directly east of the Project Site as a worst-case assumption.

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38 *SCAQMD Final Localized Significance Threshold Methodology, June 2003 and revised July 2008.*

39 *SCAQMD, Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis, August 2003.*

40 *SCAQMD, Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis, August 2003.*

3.3.2.4.2 Point Sources

3.3.2.4.2.1 Boilers

Existing boilers were modeled as a point source with stack parameters specific to each source. Parameters, such as stack height, flow rate, exit temperature, and emission rate, were based on specifications for each existing boiler. The Project would be required to comply with the City of Los Angeles All-Electric Ordinance (Ordinance No. 187,714), which prohibits new natural gas-powered equipment, with limited exceptions as permitted by the ordinance. Therefore, the Project would not install new natural gas boilers at buildout. Detailed stack parameters are provided in Appendix I.

3.3.2.4.2.2 Emergency Generators

Existing emergency generators were modeled as a point source with stack parameters specific to each source. Parameters, such as stack height, flow rate, exit temperature, and emission rate, were based on specifications for each existing emergency generator. As discussed above, all existing emergency generators, with the exception of one emergency generator (Big Blue), would be decommissioned and replaced with new emergency generators. Details for existing generators, including SCAQMD permit numbers, are provided in Appendix D. While new emergency generators would be located throughout the Project Site, this HRA included all new emergency generators in close proximity to multifamily residential uses located directly east of the Project Site as a worst-case assumption. The Big Blue emergency generator would remain within the same general area as its current location. Detailed stack parameters are provided in Appendix I.

3.3.2.4.2.3 Spray Paint Booths

The Project Site currently includes three operational spray paint booths, which would be decommissioned upon buildout.[41] The existing spray paint booths currently in operation are identified in the 2019 AER as the M40 Scenic Arts, Facilities Paint Shop, and Mill-1968. Stack parameters vary among the different spray paint booths with stack diameters ranging from 12 to 40 inches and an exit velocity of 30 feet per second. Detailed stack parameters are provided in Appendix I. As discussed above, the Project does not include new spray paint booths, but instead assumes that the future usage of paints and solvents would not increase in comparison to existing conditions. Thus, the painting activities were included in the modeling as volume sources and were conservatively assumed to be located on the eastern portion of the Project Site, near residential uses to the east. Similar to future emergency generators, any new spray paint booths at the Project Site would include the most up-to-date equipment, which would comply with SCAQMD requirements (e.g., best

[41] *Four spray paint booths have been permitted within the Project Site. Three are currently in operation.*

available control technology (BACT), more efficient paint sprayers, and high efficiency particulate air (HEPA) filtration) and SCAQMD permit conditions. This HRA conservatively does not include any reduction in TAC emissions as no spray booths are proposed as part of the Project.

3.3.2.5 Receptor Locations

As shown in Appendix J, the Project Site is located in an urbanized area. The Project vicinity is characterized by a variety of uses, including commercial uses, residential uses, a religious temple, several small hotels, Fairfax High School, Ohel Chana High School, Morasha Hebrew Academy, and personal fitness facilities to the north; a café, grocery store, U.S. Post Office, Pan Pacific Park, an outdoor amphitheater, Holocaust Museum LA, commercial uses, and the Broadcast Center Apartments to the east; The Grove, The Original Farmers Market, the Gilmore Adobe, the Farmers Market Storage Facility, surface parking, Hancock Park Elementary School, and residential uses to the south; and commercial and residential uses interspersed with small surface parking lots to the west of the Project Site. In particular, Hancock Park Elementary School is located approximately 1,500 feet south of the Project Site; Fairfax High School is located approximately 1,600 feet north of the Project Site; and Ohel Chana High School and Morasha Hebrew Academy are located approximately 150 feet and 800 feet to the northeast, respectively. Pan Pacific Park, which includes a variety of active and passive recreational uses, is located approximately 100 feet east of the Project Site. As shown in Appendix J, the closest sensitive receptor land uses to the Project Site are the residential uses located immediately adjacent to the east of the Project Site.

Locations of receptors were determined to identify peak ambient air pollutant impacts associated with the Project. A cancer burden risk analysis was performed to identify areas that would exceed one in one million cancer risk due to Project emissions. Receptors within the one in one million cancer risk area were considered a community receptor in close proximity to the Project Site. The analyzed land uses in close proximity include the following:[42]

- Residential uses east of the Project Site. The Broadcast Center Apartments, a multifamily residential use, is located immediately adjacent to the east of the Project Site.

[42] *Although not considered sensitive receptors per SCAQMD LST Guidelines, receptors were included for analysis of SureStay Hotel at Beverly Boulevard and Genesee Avenue and Short Stories Hotel on Fairfax Avenue to the southwest of the Project Site*.

- Residential uses north and west of the Project Site. Residential uses are located 65 meters (200 feet) north and west of the Project Site behind commercial uses fronting Beverly Boulevard and Fairfax Avenue.

- Commercial south of the Project Site. The Draft EIR analyzed the Gilmore Adobe as a commercial use.[43] However, in response to comments on the Draft EIR asking it to be treated as a residential use, the Gilmore Adobe located south of the Project Site, although not a residential use occupied by long-term residents, was analyzed as such for informational purposes.

- Commercial uses surrounding the Project Site. Commercial uses are located along Beverly Boulevard, Fairfax Avenue and The Grove Drive, approximately 25 meters (82 feet) from the Project Site boundary; employee exposures would be assessed at these locations. Morasha Hebrew Academy is located within this area and was analyzed for both teacher (worker) and student exposure.

- On-site childcare. The Project Site could potentially have an on-site childcare use for employees. The location of this use has not yet been determined; however, a childcare use would be located a minimum of 100 meters from the existing Big Blue generator if such generator remains in use. On-site receptors were located throughout the Project Site. Health risk calculated for on-site receptors were then used in determining locations that may exceed SCAQMD health risk thresholds and not be suitable for childcare uses or locations that pose lower health risk and, thus, not suitable for future childcare uses. Exposures of children at these locations were assessed.

- Hancock Elementary School. An elementary school is located approximately 430 meters (1,400 feet) south of the Project Site. Exposure of children and teachers (workers) were assessed at this location.

- Pan Pacific Park. An outdoor park is located approximately 100 feet east of the Project Site, across The Grove Drive. Short-term (acute) exposure was assessed at this location.

Consistent with SCAQMD AERMOD modeling guidance, receptors were placed at ground level (0 meters), but additional receptors were added to account for typical breathing height and higher floors of nearby sensitive receptors. Receptor spacing near the Project Site was 10 meters for the closest sensitive receptors (residential uses to the east). Other off-site receptors in the community around the Project Site have a 20-meter spacing. The receptors are shown in Appendix J. In addition, an on-site grid of receptors

[43] *This is consistent with The Grove at Farmers Market Addendum to Final Environmental Impact Report dated July 15, 1999 (EIR No. 87-515-SUB(ZV)(YV)(ZC); State Clearinghouse No. 87102102), which analyzed the Gilmore Adobe as a commercial use (office plus potential future restaurant) and not as a residential use and/or a sensitive receptor.*

(10 meter spacing) was placed across the Project Site to determine appropriate areas for development of a potential childcare use as part of the Project.

3.3.2.6 Averaging Periods

The calculation of TAC concentrations used 1-hour averaging periods for estimating acute hazards, maximum 8-hour, and annual concentrations (from the 5-year met set) for chronic non-cancer hazards and 5-year average concentrations for cancer risk estimates. The highest modeled incremental TAC concentrations for each receptor type were used to estimate Project-related non-cancer chronic and acute human health hazards. These estimates serve as the basis for significance determinations for the Project.

3.3.3 Carcinogenic Exposure Concentrations

To estimate cancer risks, TAC exposure via inhalation for each receptor was estimated. In February 2015, OEHHA released the Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments. Exposure equations and parameter values presented in this HRA were derived from that guidance, unless otherwise noted. The guidance recommends the use of a software program, Hot Spots Analysis and Reporting Program Version 2 (HARP2) developed by CARB, for calculating and presenting HRA results for the Hot Spots Program.

The HARP2 equations recommend that the concentration of the chemicals in the air be used as the exposure metric resulting in the following formula for an exposure concentration:

$$EC = CA \times (BR/BW) \times A \times EF \times 10^{-6}$$

Where:

- EC = exposure concentration (mg/kg/d)
- CA = chemical concentration in air ($\mu g/m^3$)
- (BR/BW) = daily breathing rate normalized to body weight (L/kg body weight – day)
- A = inhalation absorption factor (unitless)
- EF = exposure frequency (unitless), days/365 days
- 10^{-6} = micrograms to milligrams conversion, liters to cubic meters conversion

The assessment of potential human health impacts due to the release of carcinogenic TACs associated with the Project assumes that receptors are exposed to concentrations of TACs over a 30-year period for off-site residential receptors; a 25-year period for off-site workers; and a 5-year period for on-site childcare, consistent with SCAQMD Risk Assessment Guidelines for Rule 1401.[44] Because the construction period is shorter than the suggested averaging periods for estimating cancer risk, the risk analysis includes the combination of Project-related construction and operational impacts.

The Project TAC concentrations and related health risk were based on the 32-month construction activity during the construction period consistent with the assumptions in the Draft EIR in which emissions from construction activities would occur over the entire Project Site. The estimate of incremental TAC concentrations for operations were based on the difference in concentrations between the future no Project and the future with Project conditions operational concentrations. TAC concentrations and related risk for each receptor type were calculated by grid point for construction and operational activities.

Operational emissions are expected to decrease during future years due to increasingly stringent emissions regulations. Therefore, it was conservatively assumed that the Project would be built out by Year 2026. The total overall risk was based on the 32-months of construction followed by the operational TAC incremental concentrations (Year 2026 for the remainder of the exposure duration (e.g., 5 years, 25 years, 30 years).

Exposure parameters used to calculate the risks and hazards for receptors under the inhalation pathway are summarized in Table 3 on page 32. Exposure parameters are based on OEHHA Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments,[45] and USEPA Exposure Factors Handbook,[46] as well as other pertinent guidance.

In addition to the exposure parameters presented in Table 3, some of the exposure parameters vary according to age groups to address the methodology detailed in the

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44 *South Coast Air Quality Management District, Risk Assessment Procedures for Rules 1401, 1401.1, and 212, Version 8.1, September 1, 2017.*

45 *Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program, Risk Assessment Guidelines: Guidance Manual for Preparation of Health Risk Assessments, February 2015.*

46 *U.S. Environmental Protection Agency, Exposure Factors Handbook, EPA/600/R-09/052F, September 2011.*

Table 3
Exposure Parameters

Exposure Pathway Parameters for Inhalation of Particulates and Gases	Off-Site Receptors		
	Off-Site Adult Resident	Off-Site School Child/On-Site Childcare	Off-Site Worker
Exposure Frequency (Fraction of Year) (unitless)	0.96 (350 days/ 365 days)[a]	0.96[a]	0.685 (250 days/ 365 days)[a]
Exposure Duration (years)	30, 70[a,b,f,g]	5, 7[c]	25[a]
Exposure Time (hrs/day)	8, 24[d]	8[a]	8[a]
Absorption Fraction	1[a]	1[a]	1[a]
Fraction of Time at Home	0.73[a]	1[a,e]	0.73[a]
Averaging Time—Non-Cancer (days)	10,950, 25,550[a,d]	4,380[d]	9,125[d]
Averaging Time—Cancer (days)	25,550[a,d]	25,550[a,d]	25,550[a,d]

[a] *California Environmental Protection Agency, Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program, Risk Assessment Guidelines, Guidance Manual for Preparation of Health Risk Assessments, February 2015.*

[b] *A 30-year exposure duration was used as the basis for determining significance to the MEI resident. The 70-year exposure duration was used to assess cancer burden consistent with SCAQMD Rule 1401 Guidelines.*

[c] *A 5-year exposure duration is assumed for on-site childcare. On-site childcare assumes a starting age of 3rd trimester to 5 years old (kindergarten starting age). A 7-year exposure duration is assumed for elementary schools (Kindergarten–6th grade).*

[d] *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. During Project construction activities, emissions would occur 8 hours per day as assumed in the Draft EIR. Certain operational activities, such as emergency generator testing and boilers, may operate at any time during a 24-hour day. Averaging times are based on SCAQMD Rule 1401 Guidelines. 25,550 days = 70-years. 10,950 days = 30-years.*

[e] *It was assumed that children attended school within the study area; thus, the Fraction of Time at Home (FAH)= 1 (100 percent).*

[f] *Evaluation of 30-year cancer risk started with exposure during the third trimester and summed individual age group risks from that point forward.*

[g] *A 30-year residential cancer risk was calculated at residential locations.*

Source: Eyestone Environmental, LLC, 2023.

OEHHA Air Toxics Hot Spots Program Guidance.[47] These exposure parameters are presented in Table 4 on page 33.

[47] *Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program, Risk Assessment Guidelines, Guidance Manual for Preparation of Health Risk Assessments, February 2015.*

Table 4
Exposure Parameters by Age Group

Exposure Pathway Parameters for Inhalation of Particulates and Gases	Age Group					
	3rd Trimester	0 < 2 Years	2 < 9 Years	2 < 16 Years	16 < 30 Years	16 < 70 Years
Residential Daily Breathing Rate (L/kg-d)	361	1,090	861	745	335	290
Worker 8-hr Daily Breathing Rate (L/kg-d)	N/A	N/A	N/A	N/A	240	230
School Child 8-hr Daily Breathing Rate (L/kg-d)	N/A	N/A	640	520	240	N/A
Age-adjustment Sensitivity Factor (unitless)	10	10	3	3	1	1
Fraction of Averaging Time (unitless)	0.25/70 = 0.0036	2/70 = 0.0286	7/70 = 0.1	14/70 = 0.2	14/70 = 0.2	54/70 = 0.7714

N/A = not applicable

Source: Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program, Risk Assessment Guidelines, Guidance Manual for Preparation of Health Risk Assessments, February 2015.

3.3.3.1 Age Sensitivity Factor and Mutagenic Mode of Action

OEHHA's 2015 Guidance Manual provides ASFs to account for potential increased sensitivity of early-in-life exposure to carcinogens. For risk assessments conducted under the auspices of AB 2588, an ASF weighting factor is applied to all carcinogens regardless of purported mechanism of carcinogenic action (i.e., potential to cause DNA damage). In comments presented to the SCAQMD Governing Board (meeting on June 5, 2015, Agenda No. 28) relating to TAC exposures under Rules 1401 (New Source Review of Toxic Air Contaminants) and use of the 2015 OEHHA guidelines and their applicability for projects subject to CEQA as they relate to the incorporation of early-life exposure adjustments, it was reported that:

> *The Proposed Amended Rules are separate from the CEQA significance thresholds. The Response to Comments Staff Report PAR 1401, 1401.1, 1402, and 212 A—8 June 2015 SCAQMD staff is currently evaluating how to implement the Revised OEHHA Guidelines under CEQA. The SCAQMD staff will evaluate a variety of options on how to evaluate health risks under the Revised OEHHA Guidelines under CEQA. The SCAQMD staff will conduct public workshops to gather input before bringing recommendations to the Governing Board.*

With regard to ASFs, the SCAQMD, as a commenting agency, has not conducted public workshops or developed policy relating to the applicability of applying the 2015 OEHHA guidance for projects subject to CEQA.

To emphasize variability in the methodology for conducting HRAs, regulatory agencies throughout the State of California, including DTSC, have adopted USEPA's policy in the application of early-life exposure adjustments.

Specifically, USEPA guidance relating to the use of early life exposure adjustments[48] are considered when carcinogens act "through the mutagenic mode of action." As reported:

> *The Agency considered both the advantages and disadvantages of extending the recommended, age dependent adjustment factors for carcinogenic potency to carcinogenic agents for which the mode of action remains unknown. EPA recommends these factors only for carcinogens acting through a mutagenic mode of action based on a combination of analysis of available data and long-standing science policy positions that set out the Agency's overall approach to carcinogen risk assessment, e.g., the use of a linear, no threshold extrapolation procedure in the absence of data in order to be health protective. In general, the Agency prefers to rely on analyses of data rather than on general defaults. When data are available for a susceptible lifestage, they should be used directly to evaluate risks for that chemical and that lifestage on a case-by-case basis. In the case of nonmutagenic carcinogens, when the mode of action is unknown, the data were judged by EPA to be too limited and the modes of action too diverse to use this as a category for which a general default adjustment factor approach can be applied. In this situation per the Agency's Guidelines for Carcinogen Risk Assessment, a linear low-dose extrapolation methodology is recommended. It is the Agency's long-standing science policy position that use of the linear low-dose extrapolation approach (without further adjustment) provides adequate public health conservatism in the absence of chemical-specific data indicating differential early-life susceptibility or when the mode of action is not mutagenicity.*

In 2006, the USEPA published a memorandum, which provides guidance regarding the preparation of HRAs that include carcinogens identified as having a mutagenic mode of

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[48] *U.S. Environmental Protection Agency, Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens, EPA/630/R-003F, 2005.*

action.[49] As presented in the technical memorandum, numerous compounds were identified as having a mutagenic mode of action. For diesel particulates, polycyclic aromatic hydrocarbons (PAHs) and their derivatives, which are known to exhibit a mutagenic mode of action, comprise less than one percent of the exhaust particulate mass. To date, the USEPA reports that whole diesel engine exhaust has not been shown to elicit a mutagenic mode of action.[50]

Based on a review of relevant guidance on the applicability of the use of early life exposure adjustments to identified carcinogens, the use of ASFs would be questionable as neither the Lead Agency nor SCAQMD has developed recommendations on whether ASFs should be used for CEQA analyses of potential DPM construction or operational impacts. In addition, early life exposure factors may not be appropriate based on USEPA guidance relating to the use of early life exposure adjustment factors (Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens, EPA/630/R-003F) whereby adjustment factors are only considered when carcinogens act "through the mutagenic mode of action."

Although there is some uncertainty in the mutagenic mode of action on early life exposure as discussed above, this HRA conservatively takes ASFs into account in the evaluation.

3.4 Toxicity Assessment

Risks from exposure to TACs are calculated by combining estimates of potential exposure with chemical-specific toxicity criteria developed by OEHHA, USEPA, or both. The toxicity assessment initially examined quantitative toxicity criteria for TACs as required under Sections 69021(a), (b), and (c) of Title 22 of the California Code of Regulations (CCR), as described in the *Toxicity Criteria for Human Health Risk Assessments, Screening Levels, and Remediation Goals* rule.[51]

Acute RELs developed by the State of California were used in the characterization of potential acute non-cancer health hazards associated with the Project. Cancer unit risk

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[49] *U.S. Environmental Protection Agency, Memorandum—Implementation of the Cancer Guidelines and Accompanying Supplemental Guidance—Science Policy Council Cancer Guidelines Implementation Workgroup Communication II: Performing Risk Assessments that include Carcinogens Described in the Supplemental Guidance as having a Mutagenic Mode of Action, 2006.*

[50] *U.S. Environmental Protection Agency, National Center for Environmental Assessment, 2018. Integrated Risk Information System (IRIS). Diesel Engine Exhaust.*

[51] *California Department of Toxic Substances Control's Human and Ecological Risk Office, Human Health Risk Assessment Note Number 10, Toxicity Criteria, February 25, 2019.*

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.

Acute RELs were used to characterize 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[52] are incorporated to address data gaps and uncertainties, exceeding an REL does not automatically indicate an adverse health impact. One acute REL was developed for each TAC, and that REL value was applied to all receptors, residents and workers, children and adults.

3.5 Risk Characterization

Risk characterization combines information developed for exposure and for toxicity to produce quantitative estimates of health impacts to receptors in the study area.

3.5.1 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 the Project. Risks for people recreating (visitors at recreational areas) near the Project Site would be lower than those for workers, residents, and students at any given location because of much shorter times spent in recreational activities; accordingly, no risks were calculated for this population. Where risks are not significant for other receptor groups, risks for visitors at recreational areas (i.e., parks) near the Project Site would also be considered less than significant.

Cancer risks were estimated by multiplying exposure estimates for carcinogenic chemicals by corresponding cancer slope factors. Cancer risk results were expressed as the odds of developing cancer over a lifetime for a given period of exposure. Cancer risks

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[52] *Margin of safety is a ratio of the no-observed-effect level to the estimated exposure dose. Margins of safety are incorporated in the development of toxicity values to account for differences in dose-response among individuals. For example, the same dose of alcohol may have a greater effect on a woman than a man, not only because a woman is smaller in body size but also because men and women metabolize alcohol at different rates.*

were based on the exposure durations listed in Table 3 on page 32 relative to a 70-year lifetime.[53] The cancer risks were estimated using the cancer potency factor in the following equation:

$$RISK = EC \times CPF \times ASF \times ED/AT \times FAH$$

Where: RISK = inhalation cancer risk

EC = exposure concentration (mg/kg/d)

CPF = inhalation cancer potency factor ($mg/kg\text{-}day^{-1}$)

ASF = age sensitivity factor for a specified age group (unitless)

ED = exposure duration (in years) for a specified age group

AT = averaging time for lifetime cancer risk (years)

FAH = fraction of time spent at home/school/work (unitless)

Chronic non-cancer health hazard estimates were calculated by dividing exposure estimates by RELs. RELs are estimates of the 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).

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 TACs have effects on the respiratory system, including acetaldehyde, acrolein, formaldehyde, xylenes, and diesel particulates. Non-cancer health hazards for the Project were calculated for the respiratory system, which essentially includes all potential non-cancer health hazards.

To determine whether releases of TACs during construction and operation of the Project would be significant, incremental human health risks for the Project were compared to thresholds of significance identified in SCAQMD CEQA guidance[54] and summarized in Section 2, below.

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[53] *Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program, Risk Assessment Guidelines, Guidance Manual for Preparation of Health Risk Assessments, February 2015.*

[54] *South Coast Air Quality Management District, South Coast AQMD Air Quality Significance Thresholds, April 2019, revised March 2023.*

3.5.2 Maximally Exposed Individuals (MEI)

Concentrations of each TAC at the above identified receptors was 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 noncancer health hazards and serve as the basis for significance determinations.

MEI estimates were based on the land use for each receptor location identified above. For off-site locations, land uses were designated as either residential, school (including day-care and preschool), or commercial based on internet web searches and reviews of receptor locations in Google Earth, as is standard practice. These land use identifications were used to determine appropriate receptors (workers at commercial locations; adult and child residents and school children at residential locations; etc.). Locations of schools, daycares, etc. were identified as sensitive receptor locations and designated as residential/commercial so that these grid points were evaluated for both worker (teachers and staff) and residential receptors (school children).

3.5.3 Methodology for Evaluating Acute Impacts

Acute non-cancer health risk estimates were calculated by dividing estimated maximum 1-hour TAC concentrations in the air by acute RELs. An acute REL is a concentration in the air below which adverse effects are unlikely for people, including sensitive subgroups, exposed for a short time on an intermittent basis. RELs for acute non-cancer health hazards do not distinguish between adults and children. Since margins of safety are incorporated to address data gaps and uncertainties, exceeding the REL does not automatically indicate an adverse health impact. Most RELs have been developed for a 1-hour exposure duration, although several are based on an 8-hour exposure period. OEHHA has developed acute RELs for several of the TACs of concern identified for the Project.

Short-term concentrations for each TAC associated with the Project were divided by acute RELs to determine an acute HQ. Impacts of exposure to multiple chemicals were accounted for by adding estimated HQs for TACs that affect the same target organ or tissue in the body, generating an acute HI for each receptor. The resulting acute HIs were compared to the SCAQMD CEQA TAC acute HI significance threshold of 1. An HI less than 1 suggests that adverse acute non-cancer health hazard impacts are not expected. It should be noted that DPM is not specifically included in the acute exposure HI. Therefore, specific constituents of DPM were included in the calculation of acute exposure.

3.5.4 Methodology for Evaluating Population-Wide Risks

Population-based health impact was only evaluated if the Project MEI cancer risks exceed the SCAQMD cancer risk threshold. The purpose of this type of assessment is to provide perspective on the magnitude of the potential public health threat posed by emissions of a project. Population-wide risk assumes that a population (not necessarily the same individuals) will live within the study area over a 70-year lifetime period.

To evaluate the cancer risk over the exposed population, the cancer burden method was used to assess the number of excess cancer cases that could occur in the study area. The cancer burden was calculated by multiplying the maximum cancer risk calculated for a 70-year resident at a grid point by the number of people who live in the census block associated with that grid point. Census block data was obtained from the HARP 2010 Census Database. The sum of these estimates represents the cancer burden across each zone of impact (10^{-6}, 10^{-5}, etc.) for the study area. If a single census block contains more than one modeled grid point, the average of the calculated risks for the grid points within the census block was used for the calculation.

4.0 Results

4.1 Significance Thresholds

The SCAQMD has developed health risk and hazard significance thresholds for CEQA impact analyses. These thresholds are provided in Table 5 below. Note that these thresholds have been developed for Project incremental impacts. Project incremental impacts for comparison to the significance thresholds were determined by using the Project incremental operational emissions and construction emissions as described in Section 1.3.3 to calculate the Project's health risk impacts. The Project's construction and operational TAC concentrations were combined in determining the total health risk impacts at each receptor.

Table 5
Health Risk and Health Hazard Significance Thresholds

Health Risk or Hazard	Project Incremental Significance Threshold
Cancer Risk (MEI Resident or MEI Worker)	Maximum Incremental Cancer Risk ≥ 10 in one million
Cancer Burden for Exposed Population	> 0.5 excess cancer cases (in areas ≥ one in one million cancer risk)
Chronic Non-Cancer Hazards	Chronic Hazard Index ≥ 1.0
Acute Non-Cancer Hazards	Acute Hazard Index ≥ 1.0

Source: SCAQMD, South Coast AQMD Air Quality Significance Thresholds, April 2019.

4.2 Results

The results of the health risk calculations provide an estimate of the potential risks and hazards to individuals through inhalation of Project construction DPM emissions over a 32-month duration. Consistent with OEHHA guidelines, health risk impacts from Project operational DPM emissions were assessed over a 30-year exposure duration for residential receptors, a 7-year exposure duration for student receptors, and 25-year exposure duration for worker receptors. On-site daycare receptors were assessed over a 5-year duration starting in the 3rd trimester age group. The estimated risks and hazards include lifetime excess cancer risk estimates and cumulative chronic HI estimates for the receptor locations of concern.

As shown in Appendix K of this HRA and in Table 6 on page 42, the results of this HRA yields a maximum off-site individual cancer risk of 7.5 in one million at the Broadcast Center Apartments located immediately east of the Project Site. Other uses, including the Gilmore Adobe, may experience a less than 1 in one million cancer risk resulting from exposure to Project construction and operational emissions. Cancer risk at other receptors due to Project emissions would be exposed to a lower cancer risk in comparison conditions based on existing (Future No Project) emissions.

As shown in Table 7 and Table 8 on page 43, the maximum chronic risk of 0.02 and maximum acute risk of 0.31 also occur at the Broadcast Center Apartments located immediately east of the Project Site. As the Project would not emit carcinogenic or TACs that result in impacts that exceed the maximum individual cancer risk of 10 in 1 million or chronic or acute of 1.0, Project-related toxic emission impacts would be less than significant.

As discussed in Appendix L, emissions sources were placed along the eastern portion of the Project Site, closest to the Broadcast Center Apartments in order to identify worst-case impacts to off-site residential uses. As a result, values presented in Table 6, Table 7 and Table 8 identify maximum impacts to the Broadcast Center Apartments. If emission sources such as paint booths or idling trucks were to be moved away from the eastern portion of the site, health risk impacts at the Broadcast Center Apartments would be lower, but risk impacts to other receptors may increase. However, based on risk isopleths and contours provided in Appendix K, health risk impacts at other receptors would not exceed those at the Broadcast Center Apartments if sources were to be moved away from the eastern portion of the site.

As the maximum off-site cancer risk impact was greater than one in one million, a cancer burden analysis was performed to determine the increase in cancer cases in a population. A population of 1,693 would be located within the one in one million cancer risk contours based on census tract data provided in the HARP 2010 census database. As shown in Appendix K, the one in one million cancer risk contour resulting from combined Project construction and operations results in a cancer burden of 0.01, which is substantially less than the SCAQMD threshold of 0.5 excess cancer cases.

This quantitative HRA confirms and further supports the conclusion set forth in the Draft EIR that impacts would be less than significant based on the qualitative health risk analysis presented on pages IV.A-68 through IVA-73 of Section IV.A, Air Quality, of the Draft EIR.

Evaluating carcinogenic pollutant concentrations based on OEHHA methodology and SCAQMD Guidance has an implied uncertainty. These methodologies were developed to provide a conservative health risk estimate. The conservative nature of this

Table 6
Health Risk Assessment (Cancer Risk per Million)

Receptor	Receptor Type[a]	Future No Project	Construc-tion[b]	Project	Incremental Increase[c]	Significant Impact[d]	Distance from Project Site (ft)[e]
Broadcast Center Apartments	Residential	6.2	6.3	7.4	7.5	No	Adjacent
Fairfax Apartments	Residential	1.6	1.7	0.4	<1	No	90
Gilmore Adobe	Commercial[f]	3.9	2.0	1.0	<1	No	140
Morasha Hebrew Academy	Student	0.6	0.7	0.2	<1	No	730
	Worker	0.2	<0.1	0.1	<1	No	
Hancock Park Elementary School	Student	0.4	0.1	0.1	<1	No	1,500
	Worker	0.1	0.1	0.0	<1	No	
Fairfax High School	Student	0.2	0.2	0.1	<1	No	1,560
	Worker	<0.1	0.2	0.0	<1	No	
Ohel Chana High School	Student	0.9	2.1	0.4	1.6	No	190
	Worker	0.2	0.1	0.1	<1	No	
On-site Receptor (Daycare)[g]	Student			3.3	3.3	No	
	Worker			0.7	0.7	No	
SureStay Hotel	Worker	0.2	0.2	0.1	<1	No	100
Short Stories Hotel	Worker	0.2	0.1	0.0	<1	No	110

[a] *Receptor Type—Residential (30-year exposure, 3rd trimester starting age), Worker (25-year exposure, 16 year starting age, Student (7-year exposure, 5 year starting age)*

[b] *Construction risk assumes a 3-year exposure duration. Starting age for residential and student receptor is 3rd trimester. Worker starting age is 16 years old.*

[c] *Incremental increase is Project + Construction – Future No Project*

[d] *Comparison against a threshold of 10 in one million cancer risk.*

[e] *Approximate distance from site boundary*

[f] *This receptor was hypothetically assumed to be residential in response to comments and to provide a conservative analysis.*

[g] *Cancer risk is presented for Project operational emissions only.*

Source: Eyestone Environmental, 2023.

methodology relies on a number of inputs designed to prevent an underestimation of risk. A detailed discussion regarding the conservative nature of the risk assessment assumptions is provided in Appendix L.

Table 7
Health Risk Assessment (Chronic Risk)

Risk	Significance Threshold	Calculated Risk	Significant Impact
Broadcast Center Apartments	Chronic Index (HI) of 1.0	0.02 HI	No
Fairfax Apartments	Chronic Index (HI) of 1.0	0.0009 HI	No
Gilmore Adobe	Chronic Index (HI) of 1.0	0.002 HI	No
Morasha Hebrew Academy	Chronic Index (HI) of 1.0	0.001 HI	No
Hancock Park Elementary School	Chronic Index (HI) of 1.0	0.0002 HI	No
Fairfax High School	Chronic Index (HI) of 1.0	0.0002 HI	No
Ohel Chana High School	Chronic Index (HI) of 1.0	0.002 HI	No
On-site Receptor (daycare)	Chronic Index (HI) of 1.0	0.03 HI	No
SureStay Hotel	Chronic Index (HI) of 1.0	0.003 HI	No
Short Stories Hotel	Chronic Index (HI) of 1.0	0.0006 HI	No

Source: Eyestone Environmental, 2023.

Table 8
Health Risk Assessment (Acute Risk)

Risk	Significance Threshold	Calculated Risk	Significant Impact
Broadcast Center Apartments	Acute Index (HI) of 1.0	0.31 HI	No
Fairfax Apartments	Acute Index (HI) of 1.0	0.04 HI	No
Gilmore Adobe	Acute Index (HI) of 1.0	0.04 HI	No
Morasha Hebrew Academy	Acute Index (HI) of 1.0	0.06 HI	No
Pan Pacific Park	Acute Index (HI) of 1.0	0.05 HI	No
Hancock Park Elementary School	Acute Index (HI) of 1.0	0.03 HI	No
Fairfax High School	Acute Index (HI) of 1.0	0.02 HI	No
Ohel Chana High School	Acute Index (HI) of 1.0	0.07 HI	No
On-site Receptor (daycare)	Acute Index (HI) of 1.0	0.12 HI	No
SureStay Hotel	Acute Index (HI) of 1.0	0.06 HI	No
Short Stories Hotel	Acute Index (HI) of 1.0	0.03 HI	No

Source: Eyestone Environmental, 2023.

Appendix A

TVC 2050 Health Risk Assessment Protocol

HEALTH RISK ASSESSMENT METHODOLOGY

TVC 2050 Project

Prepared by:

Eyestone Environmental, LLC

May 2023

Working Draft—Not for Public Review

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1.0 Health Risk Assessment Methodology

A. General Approach

In response to South Coast Air Quality Management District's request to further evaluate potential toxic air contaminants (TACs) through quantitative analysis, this Health Risk Assessment (HRA) protocol outlines the approach and methodologies consistent with SCAQMD guidance that will be used to develop the HRA analysis.[1] The HRA will focus on the analysis of incremental human health risks and hazards associated with airborne releases of TACs during construction and operation of the Project. Cancer risks, as well as chronic and acute non-cancer health hazard assessments, depend on estimating potential exposure to incremental TACs associated with the TVC 2050 Project (Project).

This protocol is consistent with State of California statutes and regulations,[2] and describes the following four primary steps typically used to assess health risk:[3,4,5,6,7,8]

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1 *South Coast Air Quality Management District, Comment Letter (DEIR for the Proposed TVC 2050 Project (SCH No.: 2021070014), dated September 13, 2022.*

2 *Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Information and Assessment Act of 1987, Section 44300.*

3 *Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program, Risk Assessment Guidelines, Guidance Manual for Preparation of Health Risk Assessments, February 2015.*

4 *Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program, Risk Assessment Guidelines, Technical Support Document for the Derivation of Noncancer Reference Exposure Levels, June 2008 (with updates through July 2014).*

5 *Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program, Risk Assessment Guidelines, Technical Support Document for Cancer Potency Factors: Methodologies for derivation, listing of available values, and adjustments to allow for early life stage exposures, May 2009 (with updates through May 2019).*

6 *Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program, Risk Assessment Guidelines, Technical Support Document for Exposure Assessment and Stochastic Analysis, August 2012.*

7 *U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation, Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual (Part F, Supplemental Guidance for Inhalation Risk Assessment), Final, January 2009.*

8 *The SCAQMD adopted revised supplemental guidance for stationary source facilities subject to AB 2588 reporting and analysis (South Coast Air Quality Management District, AB 2588 and Rule 1402*

(Footnote continued on next page)

- Selection of TACs of Concern—Identification of TACs that may be released in sufficient quantities to present a public health risk
- Exposure Assessment—Analysis of ways in which people might be exposed to TACs
- Toxicity Assessment—Evaluation of the toxicity of TACs that may present public health risks
- Risk Characterization—Characterization of the magnitude of health risks for the exposed individuals and populations and of locations in the community, where the greatest risks or hazards may be realized

B. Selection of TACs of Concern

In general, TACs of concern selected for the HRA are based on TACs identified under California Assembly Bill AB 2588 and for which the Office of Environmental Health Hazard Assessment (OEHHA) has developed cancer slope factors, chronic reference levels, and/or acute reference levels.

The list of TACs of concern used in this HRA protocol was developed using SCAQMD and California Air Resources Board (CARB) regulatory lists and guidance, CARB total organic gas (TOG) and particulate matter (PM) speciation profiles, emissions estimates, and human toxicity information. The final list of TACs will include only TACs with chronic Reference Exposure Levels (RELs), acute RELs, and cancer potency values identified by OEHHA.[9]

Project construction activities will result in the release of diesel particulate matter (DPM) from the use of off-road and on-road equipment and, to a lesser extent, TACs associated with the application of architectural coatings and operation of gasoline vehicles (e.g., construction employee parking on Project Site). Project construction also has the potential to release TACs associated with soil excavation and export activities. During

Supplemental Guidelines (Supplemental Guidelines for Preparing Assessments for the Air Toxics "Hot Spots" Information and Assessment Act, September 2018). This guidance was developed to provide explicit requirements for ensuring compliance with AB 2588 reporting requirements for those stationary facilities under SCAQMD jurisdiction and does not modify the general analysis approach specified in the OEHHA guidance cited above. The HRA analysis conducted for the proposed Project will follow several of the guidelines, including specification of source and receptor locations in Universal Transverse Mercator (UTM) coordinates referenced to World Geodetic System 1984 (WGS84) spatial system and estimation of cancer burden for residential areas within the 1 in 1 million cancer risk zone from proposed Project-related TAC emissions.

[9] *Chemical-specific toxicity criteria used in the health risk calculations will consider toxicity values developed by OEHHA, USEPA, or both as described in Section 1.3 of this protocol.*

excavation and export activities, materials that would be removed or disturbed may have the potential to release chemicals through fugitive dust and volatilization during soil handling. Soil, soil gas, and groundwater sampling were performed at various locations on the Project Site as part of the Phase I and II site assessments. Chemicals, which were detected during sampling activities and have a cancer slope factor or chronic or acute risk factor, were included as a TAC of concern.

Project operational activities will emit TACs through diesel truck deliveries, emergency back-up generators, spray paint booths, application of architectural coatings, and operation of gasoline vehicles (e.g., employee parking and Mobility Hub). The Project would be subject to the City of Los Angeles All-Electric Ordinance (Ordinance No. 187,714), which became effective on January 23, 2023 (after the Draft EIR was published) and would not include natural gas boilers or heaters.[10] Delivery trucks and backup generators would emit DPM.

Spray paint booth activities result in the use of paints, adhesives, and solvents. As discussed in more detail below, individual chemicals contained in paints, adhesives, and solvents were evaluated using CARB speciation profiles. Speciation profiles provide estimates of the chemical composition of emissions and are used for calculation of emissions inventories. Standard speciation profiles have been developed by the United States Environmental Protection Agency (USEPA) and CARB for commonly analyzed facilities, including painting operations. The resulting list of TACs of concern evaluated in this HRA for construction and soil excavation/export activities is provided in Table 1 on page 4. Table 2 on page 5 provides a list of TACs of concern for Project operational activities.

[10] *City of Los Angeles, Ordinance No. 187,714, approved December 10, 2022.*

Table 1
Toxic Air Contaminants of Concern for the Human Health Risk Assessment—Construction

Toxic Air Contaminant	Type	Toxic Air Contaminant	Type
Ethyl Benzene	VOC	Hexane	VOC
Ethylene Glycol	VOC	Naphthalene	VOC
EGBE	VOC	Propylene	VOC
Isopropyl Alcohol	VOC	Diesel Exhaust	Diesel Exhaust
Methanol	VOC	Acetone	VOC
PGME	VOC	Me t-ButylEther	VOC
Triethylamine	VOC	o-Xylene	VOC
Vinyl Acetate	VOC	1,2-DiClEthylen	VOC
m-Xylene	VOC	TCE	VOC
MEK	VOC	Antimony	PM-Metal
Perc	VOC	Arsenic	PM-Metal
Styrene	VOC	Barium	PM-Metal
t-Butyl acetate	VOC	Beryllium	PM-Metal
Toluene	VOC	Cadmium	PM-Metal
Xylenes	VOC	Chromium	PM-Metal
NH3	Inorganic	Cobalt	PM-Metal
Chlorine	Inorganic	Silver	PM-Metal
Copper	PM-Metal	Thallium	PM-Metal
Lead	PM-Metal	Vanadium	PM-Metal
Manganese	PM-Metal	Zinc	PM-Metal
Mercury	PM-Metal	Acrolein	VOC
Nickel	PM-Metal	1,2,4TriMeBenze	VOC
Selenium	PM-Metal	TriMeBenzns	VOC
Silica, Crystln	Inorganic	Chloroform	VOC
SULFATES	Inorganic	Cumene	VOC
Acetaldehyde	VOC	PCP	VOC
Benzene	VOC	2MeNaphthalene	VOC
1,3-Butadiene	VOC	N-NitrosDPrAmin	VOC
Formaldehyde	VOC		

Source: Eyestone Environmental, 2023.

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Table 2
Toxic Air Contaminants of Concern for the Human Health Risk Assessment—Operations

Toxic Air Contaminant	Type	Toxic Air Contaminant	Type
Ethyl Benzene	VOC	Chlorine	Inorganic
Ethylene Glycol	VOC	Copper	PM-Metal
EGBE	VOC	Manganese	PM-Metal
Isopropyl Alcohol	VOC	Mercury	PM-Metal
Methanol	VOC	Nickel	PM-Metal
PGME	VOC	Selenium	PM-Metal
Triethylamine	VOC	Sulfates	Inorganic
Vinyl Acetate	VOC	Acetaldehyde	VOC
m-Xylene	VOC	Diesel Exhaust	Diesel Exhaust
MEK	VOC	Benzene	VOC
Perc	VOC	1,3-Butadiene	VOC
Styrene	VOC	Formaldehyde	VOC
t-Butyl acetate	VOC	Naphthalene	VOC
Toluene	VOC	Propylene	VOC
Xylenes	VOC	Arsenic	PM-Metal
Cobalt	PM-Metal	Cadmium	PM-Metal
Lead	PM-Metal	Chromium	PM-Metal
Silica, Crystln	Inorganic	Vanadium	PM-Metal
Hexane	VOC	Chrysene	PAH
NH3	Inorganic	o-Xylene	VOC

PAH = polycyclic aromatic hydrocarbons
PM = particulate matter
VOC = volatile organic compounds
Source: Eyestone Environmental, 2023.

C. Exposure Assessment

1. Exposure Populations

The HRA will consider the following scenarios: existing, future no Project, and future Project conditions. For each of those scenarios, the following receptor types will be evaluated: proposed on-site childcare center (children and staff), off-site workers, off-site residents, and off-site school children, where applicable. Receptor age range (infant, child, adult) assumptions are provided in more detail below. As a whole, they cover a range of exposure scenarios for people who may be affected by Television City emissions to the greatest extent. Receptors, for which exposure scenarios are prepared, were selected to

provide risks and hazards estimates for the maximally exposed individuals (MEI) and to demonstrate the range of risks and hazards in the vicinity of the Project Site. The final boundaries of the analysis will be defined by the one in one million cancer risk zone[11] associated with Project TAC emissions, which is determined through the dispersion modeling and risk assessment analysis.

2. Exposure Pathways

Different receptor types (e.g., off-site residents, school children) could be exposed to TACs through several exposure pathways. Exposure scenarios are developed for each receptor type. Each scenario considers various pathways through which each receptor type may be exposed to TACs.

An exposure pathway consists of four parts:

- A TAC source (e.g., construction equipment fuel combustion)
- A release mechanism (e.g., construction equipment 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. Incomplete pathways will not be evaluated in the HRA.

For the Project, the inhalation, inadvertent ingestion, and dermal exposure pathways are the primary and most important exposure pathways and will be quantitatively evaluated for all receptor types.

As a subset of the ingestion pathway, home-grown produce and mother's milk will also be considered in the analysis consistent with SCAQMD-recommended HRA guidelines.[12] Home-grown produce (vegetables and fruit) has the potential to absorb pollutants deposited from Project-generated fugitive dust. Nursing mothers, who are exposed to pollutants, have the potential to transfer these pollutants to their milk during

[11] *This means that no more than one person in a population of one million people exposed to the same level of TACs at a location would develop cancer over a lifetime.*

[12] *South Coast Air Quality Management District, Supplemental Guidelines for Preparing Risk Assessments for the Air Toxics "Hot Spots" Information and Assessment Act (AB 2588), June 2011.*

lactation. As a result, home-grown produce and mother's milk ingestion will be considered for residential receptors.

Volatile organic compounds (VOCs) present in groundwater may volatilize and migrate to the surface, potentially exposing receptors. Dewatering activities may expose contaminated groundwater, allowing for chemical volatilization into ambient air. Therefore, off-site exposure through inhalation to groundwater vapors, potentially released from within the Project Site, will be considered as an exposure pathway. There is no complete pathway for off-site exposures from off-site groundwater because there are no known off-site VOC impacts to groundwater.

3. Exposure Concentrations

a. Emission Estimates

TACs associated with Project construction and operations are generally subsets of PM and VOC emissions. The concentrations of TACs will be determined from concentrations of PM and VOC/TOG for specific source types using particulate matter and organic compound speciation profiles developed by CARB, where applicable.[13] Therefore, PM and VOC emissions will be estimated using appropriate modeling tools for each source type. The specific sources considered in the HRA analysis are provided below. DPM will be used as a surrogate for all TAC emissions from diesel-fueled compression-ignition internal combustion. OEHHA does not provide an acute REL for DPM. Therefore, CARB speciation profiles for diesel exhaust will be selected to evaluate acute hazard risk. Please refer to Appendix A for a list of CARB speciation profiles and analyzed compounds for each specific source-type.

(1) Construction

Construction activities will generate emissions from off-road equipment usage, on-road vehicle travel on the Project Site (truck hauling, vendor deliveries, and workers commuting). In addition, proposed excavation activities could result in the release of limited amounts of TACs from potentially contaminated soils.

[13] *California Air Resources Board, ww3.arb.ca.gov/ei/speciate/speciate.htm; ww3.arb.ca.gov/ei/speciate/chem14dec18.zip; ww3.arb.ca.gov/ei/speciate/orgprofile14dec18.zip; and ww3.arb.ca.gov/ei/speciate/pmchemprofile14dec18.zip. Accessed April 15, 2023.*

(a) On-Site Equipment Exhaust

The Project's construction emissions in the Draft EIR were calculated using the SCAQMD-recommended CalEEMod (Version 2020.4.0). See Appendix B of the Draft EIR. CalEEMod 2022.1.1 was subsequently released for full launch on December 21, 2022). The Project's construction emissions will be recalculated using CalEEMod 2022.1.1 and the same construction schedule, equipment mix, and truck trips evaluated in the Draft EIR analysis. The results of the modeling will be used in the HRA for characterization of on-site equipment exhaust. The emission calculations associated with construction equipment are from off-road equipment engine use based on the equipment list and phase length. Since the majority of the off-road construction equipment used for construction projects are diesel fueled, CalEEMod assumes all of the equipment operates on diesel fuel. Construction equipment emissions vary with engine model years, with newer equipment emitting fewer pollutants. As a conservative assumption, the CalEEMod model uses an emission rate for equipment that represents an average model year for available equipment within the South Coast Air Basin (Air Basin). CalEEMod calculates the exhaust emissions based on CARB OFFROAD emission factors, horsepower rating, load factor, and time of use. Off-road equipment emissions will account for the incorporation of Mitigation Measure AIR-MM-1 (meet USEPA Tier 4 Final standards), which is included in Section IV.A, Air Quality, of the Draft. For acute hazard risk from on-site equipment exhaust, CARB number PM 7493 speciation profile and CARB number ORG 818 will be used in the analysis.

(b) On-Site Vehicle (Haul Truck) Exhaust Emissions

Emissions from diesel-powered haul trucks traveling on-site will be calculated using the CARB EMFAC2021 emissions model.[14] The EMFAC2021 model contains on-road vehicle fleet information (number of vehicles, miles traveled, emissions) based on registration data from the Department of Motor Vehicles.[15] On-site on-road vehicles include haul trucks and delivery trucks. EMFAC2021 outputs provide DPM emission factors in terms of grams per mile or hour of idling time. Emissions also vary by speed and the size of the engine. Consistent with CalEEMod default assumptions for haul trucks, the HRA will include all construction trucks as diesel powered. DPM from on-site trucks will be calculated for both idle and travel emissions. Calculations will be based on emission factors for the EMFAC vehicle class "HHDT." The fleet mix will be based on the earliest year of construction contemplated in the Draft EIR (Year 2023) and account for the incorporation of Mitigation Measure AIR-MM-2 (limiting truck usage to model years 2010 and newer), which is included in Section IV.A, Air Quality, of the Draft EIR. Therefore,

[14] *California Air Sources Board, Mobile Source Emission Inventory—Current Methods and Data, ww2.arb.ca.gov/our-work/programs/mobile-source-emissions-inventory/msei-modeling-tools, accessed December 2022.*

[15] *California Air Resources Board, EMFAC2021 Technical Documentation, May 2022.*

EMFAC emissions factors for the fleet mix will include only model years 2010 and newer vehicles. For acute hazard risk from on-site vehicle exhaust, CARB number PM 7231 (Year 2023 Idle), CARB number PM 7232 (Year 2023 Transient) and CARB number ORG 818 speciation profiles will be used in the analysis.

- Idle emissions will be based on idle time and the number of trucks operating on-site. Idle time will be limited to a maximum of five minutes at a time per the Air Toxics Control Measure adopted by CARB to limit idling toxics emissions.[16] While State regulation limits idling to five minutes at a time, trucks often idle several times on-site (entrance and exit staging areas and during soil loading operations). To account for idling emissions throughout the Project Site, a total of 15 minutes of idling per trip will be assumed in the calculation of on-site truck emissions.

- Travel emissions will be calculated based on the number of truck trips, speed and distance traveled. On-site travel by construction trucks on paved roads will be limited to 15 miles per hour (mph) with reduced speeds closer to the active construction area. Specifically, trucks will be limited to 10 mph on stabilized unpaved roads and 5 mph on unpaved roads controlled by watering (e.g., active working face of excavation activities). Truck travel distances will be measured based on Figure II, Conceptual Site Plan, of the Draft EIR.

(c) On-Site Vehicle (Construction Employee) Exhaust Emissions

Emissions from gasoline powered vehicles resulting from employee vehicle trips will be calculated using the CARB EMFAC2021 emission model. Calculations will be based on emission factors for the EMFAC vehicle class light-duty-auto (LDA) and light-duty-trucks (LDT1 and LDT2) consistent with CalEEMod default assumptions for employee vehicle trips. The fleet mix will be based on the earliest year of construction contemplated in the Draft EIR (Year 2023) and account for the number of construction employees evaluated in the Draft EIR. Construction employee on-site speed is assumed to be 10 mph and distances will be measured based on Figure II-4, Conceptual Site Plan, in Section II, Project Description, of the Draft EIR. CARB number PM 4001 speciation profile and ORG 2303 speciation profile for gasoline exhaust with catalytic converters will be used to calculate cancer, acute and chronic risk resulting from employee vehicle trips on-site.

(d) TACs from Potentially Contaminated Soils

Site investigations have been conducted for the Project Site. These include a Phase I ESA and Limited Phase II Investigation, which identified potential contamination of soil and groundwater on the Project site. Geosyntec performed a Limited Phase II Investigation

[16] *Cal. Code Regs. Tit. 13, §2485.*

for the Project Site in October 2018 and Supplemental Phase II Investigations in November 2018, August 2019, and May 2020.[17] Detections of specific chemicals in soil and groundwater were variable throughout the Project Site due to the size and varying historical uses. Chemicals identified include metals, gasoline range and diesel range organics, benzene, toluene, ethylbenzene, xylene, tetrachloroethylene (TCE) and cis-1,2-dichloroethene (cis-1,2-DCE), and other VOCs. Based on the cited studies and proposed areas of excavation, Geosyntec provided an estimate of quantities and impacted areas of potentially contaminated soils in the technical memorandum included as Appendix B.[18] Due to the sampling amounts performed for the Project Site, maximum concentrations for chemicals detected in the Phase I and Phase II investigations for the soil locations will be used as a representative concentration. For chemicals that were sampled but had concentrations below the reporting limit, the reporting limit will be used as the representative concentration as a conservative approach.

Fugitive Dust from Excavation and Handling of Potentially Contaminated Soil

Although the soil itself is not considered toxic, metals and other TACs bound to the soil particulates could expose sensitive receptors to health hazards during excavation and handling of contaminated soil.

Emissions of PM_{10} from excavation and handling of potentially contaminated soils from the Project Site will be estimated using the equation and emission factors in the USEPA AP-42 Section 13.2.4.3.[19] Emission factors generated as a result of the equation apply to soil excavation, unloading, and truck loading activities. It is assumed that soils would be excavated using an excavator, then transferred to a loader, then loaded onto trucks or sealed bins. The analysis also assumes that soils will be handled twice (excavation to loader, and loader to truck). The following equation will be used to determine PM_{10} and $PM_{2.5}$ emissions from excavation and handling of potentially contaminated soils:

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17 *Geosyntec Consultants, Limited Phase II Site Investigation Report, 7800 West Beverly Boulevard, Los Angeles, CA, November 7, 2018; Limited Phase II Report Addendum for Supplemental Investigation, 7800 West Beverly Boulevard, Los Angeles, CA, December 6, 2018; Supplemental Environmental Investigation, 7800 West Beverly Boulevard, Los Angeles, CA, September 13, 2019; and Supplemental Investigation, 7800 West Beverly Boulevard, Los Angeles, CA, August 7, 2020. Refer to the Site Summary Report for further discussion. Referenced dates reflect the date of the investigations, not the report dates.*

18 *Geosyntec Consultants, Memorandum Estimated Volume of Impacted Soil and Constituents of Potential Concern TV City Draft Environmental Impact report (DEIR) Response, March 13, 2023.*

19 *U.S. Environmental Protection Agency, AP-42, Fifth Edition, Volume I Chapter 13: Miscellaneous Sources, Equation 13.2.4, November 2006.*

$E = k \times (0.0032) \times (U/5)^{1.3} / (M/2)^{1.4}$

Where:

E = emission factor, (lbs PM_{10} per ton of soil handled)

k = particle size multiplier (dimensionless)

U = mean wind speed, miles per hour (mph)

M = material moisture content (%)

The emission factor is based on USEPA AP-42 equation 13.2.4.3(1) and is also developed based on ranges of the source conditions, such as silt content and mean wind speed. The following parameters are assumed for calculation of fugitive dust:

k = 0.35 (AP-42 default for PM10)

U = 1.12 m/s (CalEEMod selects the nearest monitoring station in the Los Angeles area and reports the windspeed as default for the modeling run)

M = 12% (AP-42 default)

Geosyntec provided an estimate of metal concentrations and quantities of potentially contaminated soils specific to each excavation area.[20] Due to the limited amount of sampling performed for the Project Site, maximum concentrations for chemicals detected in the Phase I and Phase II investigations for the soil locations will be used as representative concentrations in the soil. For chemicals that were sampled but had concentrations below the reporting limit, the reporting limit will be used as the representative concentration. Soil chemical concentrations vary spatially throughout the Project Site. In order to account for contaminated soil located in specific areas of the Project Site, as well as proximity to sensitive receptors, the Project Site will be divided into four separate quadrants. Soil sampling data will be assigned to each of these quadrants to assess impacts to nearby receptors. Regarding arsenic, the majority of samples collected on-site showed concentrations below the background arsenic concentrations for soils in Southern California as determined by the California Department of Toxic Substances Control (DTSC), which is charged with protecting individuals and the environment from the effects of toxic substances and responsible for assessing, investigating, and evaluating sensitive receptor populations to ensure that properties are free of contamination or that

[20] *Geosyntec Consultants, Memorandum Estimated Volume of Impacted Soil and Constituents of Potential Concern TV City Draft Environmental Impact report (DEIR) Response. March 13, 2023.*

health protective remediation levels are achieved,.[21] Soil samples with detected arsenic but below the DTSC background concentrations will be screened out of the analysis.

Volatile Emissions from Excavation and Handling of Contaminated Soil

VOCs in the soil pore space are emitted during the handling/excavation of VOC contaminated soil. This emission typically occurs when VOC-impacted soils are being excavated. Emissions of VOCs from soil during excavation/handling activities are defined by the amount of VOCs in the volume of soil excavated or disturbed. A simplifying assumption is often made that all of the VOC contained in the soil pore-space is released during the mechanical disturbance.[22,]

Ambient VOC concentrations arising from undisturbed subsurface contamination depend on the diffusion of the volatile component through the soil pore space. This depends on several variables, including the soil's physical properties, the soil's moisture content, the vapor pressure and volatility of the particular VOC, the partitioning between the VOC and the soil moisture, and the diffusivity of the VOC through the air-filled pore space. Since this requires a significant amount of chemical-specific information, computer models developed by USEPA are recommended for use in determining the volatilization factors and the emission rates. One such model, the Exposure Model for Soil Organic Fate and Transport (EMSOFT), that is used by USEPA to develop emission rates for soil screening levels, will be used in calculating subsurface diffusive emissions for the HRA. The program will be run using the methodology outlined in the EMSOFT User's Guide[23] to determine the time-averaged unit emission flux, as discussed in further detail below.

Off-gassing emissions would be calculated using the USEPA-approved EMSOFT model. During excavation activities, for emission calculation purposes, it is conservatively assumed that soil would be exposed to the atmosphere for up to one hour in an uncontrolled state. However, in practice, soil removal activities would comply with SCAQMD Rule 1166, which states that excavated soil with a VOC concentration greater than 1,000 parts per million (ppm) shall be sprayed with water or a vapor suppressant and placed in sealed containers within 15 minutes, loaded into trucks and moistened, covered, and transported off-site within 30 days or contained using an approved alternative storage

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[21] *Chernoff et al., Department of Toxic Substances Control, Determination of a Southern California Regional Background Arsenic Concentration in Soil, 2008.*

[22] *U.S. Environmental Protection Agency, Estimation of Air Impacts for the Excavation of Contamination Soil, EPA-450/1-92-004. Office of Air Quality Planning and Standards. Air Superfund National Technical Guidance Series, 1992.*

[23] *U.S. Environmental Protection Agency, EMSOFT User's Guide: Update to EMSOFT User's Guide, 2002.*

method. Emissions would be calculated based on the amount of soil excavated on an hourly and daily basis.

Volatile Emissions from Groundwater Treatment

Contaminated groundwater on-site will be treated through a closed-loop system, which would minimize release of contaminants to the atmosphere during treatment. Water treatment will be performed using a granular activated carbon system, which would consist of a holding tank, transfer pumps, filtration units and carbon vessels. The holding tank may be exposed to the atmosphere for brief maintenance activities. All other components of the system will be closed loop and result in minimal emissions during groundwater treatment. Emissions from treatment of groundwater will be based on water flow rate through the holding tank and potential exposure to the atmosphere.

Although unlikely to occur during actual operations, it is conservatively assumed that VOCs in the contaminated water would be completely volatilized while flowing through the holding tank. Calculations provided by Geosyntec determined that approximately 1.2 percent of volatilized VOCs in the holding tank may be vented to the atmosphere.[24] Emissions calculations from the treatment of groundwater will be based on the maximum detected concentrations and also conservatively assume no depletion throughout the duration of dewatering.

(e) Asphalt Off-Gassing

Application of asphalt during paving operations will result in emissions of VOCs. The Project's asphalt paving emissions were calculated using the SCAQMD recommended CalEEMod (Version 2020.4.0). See Appendix B of the Draft EIR. As discussed above, CalEEMod 2022 was released after the Draft EIR was published, and the Project's construction emissions will be recalculated using CalEEMod 2022.1.1. The results of the modeling will be used in the HRA for characterization of asphalt off-gassing. Emissions of TACs during asphalt paving operations will be based on CARB number ORG 716 speciation profile for medium cure asphalt.

(2) Application of Architectural Coatings

Application of architectural coatings (paints) to exterior and interior building surfaces would result in emissions of VOCs. The Project's architectural coating emissions were calculated using the SCAQMD recommended CalEEMod (Version 2020.4.0). See

[24] *Consultants, , Memorandum Preliminary Dewatering Volume Estimates TV City Draft Environmental Impact report (DEIR) Response. March 12, 2023.*

Appendix B of the Draft EIR. As discussed above, CalEEMod 2022 was released after the Draft EIR was published, and the Project's construction emissions will be recalculated using CalEEMod 2022.1.1. The results of the modeling will be used in the HRA for characterization of architectural coatings. Volatile organic emissions of TACs during architectural coating operations will be calculated using CARB speciation profiles. CARB provides profile numbers corresponding to specific speciation profiles. For architectural coatings, CARB number ORG 3903 speciation profile for solvent-based coatings and CARB number ORG 3904 speciation profile for water-based coatings will be used in the analysis. The percent of solvent-based versus water-based coatings will be based on the CARB 2014 Survey, which showed that about 89 million gallons of architectural coatings were sold in California during 2013, with 6 percent of that volume coming from solvent-based products and 94 percent from water-based products. [25]

(3) Operations

Operational TAC emissions will be calculated based on pollutant emissions presented in the 2019–2021 Annual Emission Reports for Television City Productions (Facility ID 189282). Potential indirect sources of TACs not included in the Annual Emission Reports (AERs) will also be included in the HRA and discussed below.

(a) Boilers

Existing TAC emissions will be based on the natural gas usage and resultant organic gas emissions provided in TVC's 2021 AER, which is the latest available AER. Emissions of TACs from boilers will be based on CARB number PM 1101 speciation profile and CARB number ORG 3 speciation profile for external combustion natural gas boilers. While the Draft EIR provided natural gas usage associated with the Project, the City of Los Angeles subsequently passed an All-Electric Ordinance (Ordinance No. 187,714), which prohibits new natural gas-powered equipment. Therefore, the Project would not install new natural gas boilers at buildout, and new natural gas boilers will not be included in the HRA.

(b) Emergency Generators

Existing DPM emissions are provided in TVC's 2021 AER, which is the latest available AER, and reflect the actual number of hours used and not permitted allowable hours. Please see Appendix C for a summary of emergency generator operating parameters for both existing and Project conditions. With the exception of one emergency generator (ID 618456 (i.e., Big Blue)), all existing emergency generators would be decommissioned and replaced with new emergency generators. Please refer to Appendix

[25] *California Air Resources Board, Architectural Coatings Survey, May 6, 2022.*

F for existing and Project source configuration figures. Since the new generators have the potential to be located within 50 meters (approximately 170 feet) of residential uses, the Project would be required to comply with the new requirements in Table 1 of SCAQMD Rule 1470.[26] A Project Design Feature is included in the Final EIR requiring new generators to meet the new emission standards included in Table 1 of SCAQMD Rule 1470 and USEPA Tier 4 Final standards regardless of whether the generator is within 50 meters of sensitive land uses. DPM emissions will be calculated consistent with the emission factors in Table 1 of SCAQMD Rule 1470 and the average annual hours of use as the existing generators included in the 2021 AER (approximately 10 per year). While the emergency generators would likely be permitted for 200 hours per year consistent with SCAQMD Rule 1470, it is conservative to limit the usage in the analysis to historical annual hours of use since future emissions substantially decrease in comparison to existing emergency generators (resultant DPM emission factors substantially decrease for future Rule 1470 compliant generators in comparison to existing older generators). Analysis of both existing and proposed generators at permitted hours (200 hours per year) would artificially reduce future DPM emissions and reduce potential health risk impacts. The average DPM emission factor for the five existing emergency generators that will be decommissioned is 0.40 g/hp-hr and would decrease to 0.02 g/hp-hr for the new generators. The existing generators result in 41.8 lbs/yr of DPM based on historical annual hours of use or 837.5 lbs/yr at 200 hours. Under the Project, the seven new emergency generators combined with the Big Blue generator would result in 8.2 lbs/yr of DPM based on historical annual hours of use or 140.5 lbs/yr at 200 hours. The ratio of Project/existing generators based on historical hours is 5.1 and is 5.9 at 200 hours per year. Thus, the difference in Project versus existing emissions increase with increased use of the emergency generators and it is more conservative to analyze generator usage based on historical annual hours of operation. For acute hazard risk from emergency generators, CARB number PM 7493 speciation profile and CARB number ORG 818 will be used in the analysis.

(c) On-Site Operational Truck Trips

TAC emissions are associated with delivery trucks, catering and services trucks, and other trucks used to deliver materials or provide services to television production operations. Existing truck trips and distribution will be based on manual trip counts provided by Gibson (Gibson Truck Trip Memorandum) and is included as Appendix D.[27] All heavy-duty trucks (semis) will be assumed to be diesel powered. Medium-heavy and

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[26] *A Project Design Feature will be included as a Correction and Addition in the Final EIR requiring new generators to meet the new emission standards included in Table 1 of SCAQMD Rule 1470.*

[27] *Gibson Transportation Consulting, Inc., Truck Trip Forecasts for the Television City 2050 Specific Plan Project Los Angeles, California, March 8, 2023.*

medium-duty truck emissions calculations will be based on EMFAC2021 vehicle registration data (population) and VMT within Los Angeles County for diesel and gasoline vehicles. The analysis will include on-site travel and idle time of 15 minutes per vehicle for medium- and heavy-duty trucks. Emission factors will also take into account existing baseline year (2021) and future buildout years (2026). Truck trips and distribution at Project buildout will be based on traffic modeling performed by Gibson Transportation.[28] Emissions of TACs from gasoline truck exhaust will be based on CARB number PM 4001 speciation profile and ORG 2303 speciation profile for gasoline exhaust with catalytic converters. For acute hazard risk from on-site vehicle exhaust, CARB number PM 7211 (Year 2021 Idle), CARB number PM 7212 (Year 2021 Transient), CARB number PM 7261 (Year 2026 Idle), CARB number PM 7262 (Year 2026 Transient), and CARB number ORG 818 speciation profiles will be used in the analysis.

(d) On-Site Vehicle (Mobility Hub and Employee) Exhaust Emissions

The Project would include a Mobility Hub for employees, which would provide an off-street area for additional passenger pick-up/drop-off and temporary parking of carpools, vanpools, shuttles, ride-share, taxi, and other commercial and non-commercial vehicles. Shuttles traveling to and from the Mobility Hub would be gasoline, natural gas, or electric powered. Electric vehicle (EV) chargers would be provided for the shuttle parking spaces. As a conservative assumption, shuttles traveling to and from the Mobility Hub would be powered by gasoline. Emission factors will be based on EMFAC2021 Medium Heavy-Duty Trucks (MHDT) powered by gasoline. Emissions from gasoline powered vehicles resulting from employee vehicle trips will be calculated using the CARB EMFAC2021 emission model. Calculations will be based on emission factors for the EMFAC vehicle class LDA, LDT1 and LDT2,[29] consistent with CalEEMod default assumptions for employee vehicle trips. The fleet mix will take into account existing baseline year (2021) and future buildout years (2026) and account for the number of employee trips evaluated in the Draft EIR.[30] Employee on-site speed is assumed to be 10 mph, and distances will be measured based on Figure II-4, Conceptual Site Plan, in Section II, Project Description, of the Draft EIR. CARB number PM 4001 speciation profile and ORG 2303 speciation profile for gasoline exhaust with catalytic converters will be used to calculate cancer, acute, and chronic risk resulting from gasoline vehicle trips on-site.

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[28] *Ibid.*

[29] *LDA (light duty auto and equivalent to all passenger cars); LDT1 (light-duty trucks up to 3,750 pounds); and LDT2 (light-duty trucks between 3,751 and 5,750 pounds).*

[30] *As discussed above, the Project buildout may be extended to Year 2043. The worst-case scenario of Year 2026 buildout was analyzed as during future years, vehicle emissions would be lower due to more stringent emissions control regulations.*

(e) Paint Booths

The Project currently includes spray paint booths, which emit TACs during operations. Existing emissions data are based on AERs sent to the SCAQMD. The latest available AER data are from 2019 through 2022 (Quarter 1). During years 2020 and 2021, spray paint usage was reduced due to the COVID-19 pandemic. Extrapolating 2021 Quarter 1 usage to an annual basis would result in an annual usage similar to 2019. Therefore, VOC and PM emissions from the 2019 AER will be used to characterize the existing spray paint booth emissions. Please see attached summary of usage and emissions (Appendix E).

The HRA will conservatively include the same level of paint/solvent/adhesive usage reported in TVC's 2019 AER for future operations. Legacy studio lots, such as Television City, often lag behind advancements made in modern technology and sustainability infrastructure. Television City began operations in the era of analog broadcast, with physical film reels being the primary medium to capture media content. The existing Project Site has a large amount of production support uses relative to the mix of sound stage and production office space on-site. Modern studios, such as the Project, no longer offer the full-service gamut of production support but more so to function in a manner that provides each individual production with the flexibility to choose how to use their space to meet their specific needs. Traditional set making and processes, such as fabrication and painting, have shifted to digital production and virtual environments, reducing the needs for physical construction techniques. Furthermore, any new spray paint booths at the Project Site would include the most up-to-date equipment, which would comply with current SCAQMD requirements (e.g., more efficient paint sprayers and HEPA filtration increasing PM_{10} filtration from 90 percent to 99.97 percent) and SCAQMD permit conditions. Based on this information, the HRA will conservatively include the same level of paint/solvent/adhesive usage reported in TVC's 2019 AER for future operations.

Volatile organic emissions of TACs during spray booth operations will be calculated using CARB ORG number 3903 speciation profile for solvent-based coatings and CARB ORG number 3904 speciation profile for water-based coatings. Where applicable, PM emissions of TACs during spray booth operations will be calculated using CARB PM number 2202 speciation profile for water-based coatings and CARB PM number 2201 speciation profile for solvent-based coatings.

(f) Food Truck Operations

Commercial cooking activities are capable of producing criteria pollutants and related TACs. Television City currently allows food trucks to access the Project Site. Most of the food trucks are not equipped with cooking equipment (i.e., char broilers) since meals are often prepared offsite (e.g., sandwiches, salads). Pollutant emissions from food trucks will be calculated based on emission factors provided in SCAQMD Rule 1138 (Appendix I)

for commercial cooking operations. Existing operations will be based on one food truck equipped with a char broiler or griddle per production (six productions). As the Project would result in an average of approximately 10 simultaneous productions, it is anticipated that the Project could have 10 food trucks equipped with a char broiler or griddle per day on average. However, it is not expected to have production with food trucks occurring every day. Therefore, an average of 10 productions per day is a conservative assumption. Please refer to Appendix F for char broiler emissions calculations. Volatile organic emissions of TACs from food trucks will be calculated using CARB ORG number 1453 speciation profile for meat charbroiling and CARB PM number 502 speciation profile for cooking.

(f) Architectural Coatings for Maintenance

During Project operations, buildings would be repainted occasionally to maintain the architectural coatings. The CalEEMod model assumes that ten percent of the buildings would be repainted on an annual basis. Architectural coating emissions were calculated using the same methodology used for construction architectural coatings discussed above.

b. Dispersion Modeling

Air dispersion modeling will be used to estimate ambient criteria pollutant concentrations for each scenario noted above. The predicted incremental difference in concentrations between the Project and existing condition scenarios for each year modeled will represent the Project-related contribution to ambient concentrations. Modeling will be conducted such that Project-related concentrations of individual TACs can be developed from PM_{10} and VOC (or TOG) modeled concentrations.

The air dispersion analysis will be performed in accordance with SCAQMD[31] modeling guidelines. The air dispersion analysis requires the following: (1) selection of the dispersion model; (2) evaluation of potential terrain considerations; (3) selection of appropriate dispersion coefficients based on land use; (4) selection and/or preparation of meteorological data; (5) identification of source locations and modeling parameters; (6) selection of receptor locations; and (7) selection of appropriate averaging time periods.

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[31] *South Coast Air Quality Management District, SCAQMD Modeling Guidance for AERMOD, www.aqmd.gov/home/air-quality/air-quality-data-studies/meteorological-data/modeling-guidance, accessed January 2023.*

(1) Model Selection

Dispersion modeling will be performed using the AMS/USEPA Regulatory Model (AERMOD), which is a steady-state Gaussian plume model that incorporates air dispersion based on planetary boundary layer turbulence structure and scaling concepts, including treatment of both surface and elevated sources, and both simple and complex terrain. AERMOD is listed as a preferred model in USEPA's Guideline on Air Quality Models.[32] AERMOD is utilized by USEPA and Cal/EPA for estimating ground-level impacts from point and fugitive sources in simple and complex terrain. SCAQMD requires that AERMOD be run using USEPA regulatory default options, unless non-default options are justified.[33] In this case, AERMOD will be run using USEPA regulatory default options. Additional modeling options consistent with SCAQMD guidance are listed below:

- Urban dispersion (Los Angeles County population of 9,818,605, as per SCAQMD guidance).[34]
- Averaging periods include 1-hour, 8-hour, and annual (chronic and cancer risk).
- Flagpole receptor heights include 0 meter (corresponding to ground-level concentrations) and elevated receptor heights (6.1 and 12.2 meters or 20 and 40 feet) for residential uses east of the Project Site since apartment units are located over two levels of parking.
- Building downwash will be included based on existing and proposed building dimensions. Existing building dimensions and heights (ranging from 50 to 88 feet) was provided by Rios and building locations will be consistent with Figure II-3 in Section II, Project Description, of the Draft EIR. Proposed building locations will be consistent with Figure II-4 in Section II, Project Description, of the Draft EIR. Proposed building heights were based on Figure II-5, Height Zone Map, in Section II, Project Description, of the Draft EIR. The maximum height in each height zone will be used for each building.

(2) Terrain

Terrain data will be incorporated in the analysis using, in order of preference, National Elevation Dataset (NED) one-third arc-second data, NED 1 arc-second data

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[32] *40 CFR Part 51, Revision to the Guideline on Air Quality Models: Adoption of a Preferred General Purpose (Flat and Complex Terrain) Dispersion Model and Other Revisions; Final Rule.*

[33] *South Coast Air Quality Management District, AQMD Modeling Guidance for AERMOD, www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance, accessed January 2023.*

[34] *South Coast Air Quality Management District, AQMD Modeling Guidance for AERMOD, www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance, accessed January 2023.*

available from the U.S. Geological Survey. The terrain data will be used to set the base elevation for each source and each receptor incorporated into the model.

(3) Meteorological Data

Exposure concentrations can be estimated using screening techniques or predicted using refined dispersion modeling (for inhalation pathways) analyses, which take into account wind speed and direction, temperature, atmospheric pressure, and the influence of intervening buildings and topography.

The SCAQMD provides model-ready, preprocessed meteorological data for use in dispersion modeling using AERMOD. The use of SCAQMD meteorological data ensures consistency among dispersion modeling analyses in the Air Basin and eliminates the need for individual parties to apply their own correction measures for missing data. Meteorological data from the SCAQMD Central Los Angeles monitoring station, located at 1630 North Main Street, Los Angeles, 90012, approximately 7.5 miles to the east of the Project Site, were used. To account for annual variations in wind patterns, five years of meteorological data were used (years 2012–2016, as mandated by SCAQMD). Monitoring data from the monitoring station has indicated that the predominant wind direction is from the southwest. As a result, the maximum long-term impacts are expected to the northeast of the Project Site.

(4) Source Parameters

Source parameters include modeled source locations, source types (such as point, area, line, or volume types), and temporal emission variations. The modeling source configurations are included as Appendix F.

(a) Volume Sources

Construction Activities

Construction and soil removal activities would require truck travel and heavy equipment operation on-site, which generate diesel exhaust emissions. Sources of on-site truck travel and heavy equipment operation will be characterized using the SCAQMD Localized Significance Threshold (LST) guidance and the Health Risk Assessment Guidance for Mobile Source Diesel Emissions.[35,36] Exhaust emissions from construction and operational equipment will be treated as a set of side-by-side elevated volume

[35] *SCAQMD Final Localized Significance Threshold Methodology, June 2003 and revised July 2008.*

[36] *SCAQMD, Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis, August 2003.*

sources. The release height will be assumed to be 12 feet. This represents the mid-range of the expected plume rise from frequently used construction equipment and operational heavy-duty trucks during daytime atmospheric conditions. All construction exhaust emissions will be assumed to take place over a 32-month duration on weekdays between 7 A.M. and 3 P.M. (an 8-hour period).

For purposes of conservatively analyzing construction impacts, will be assumed that the entire Project would be constructed sequentially over the course of 32 months. However, the Project Applicant is seeking a Development Agreement with a term of 20 years, which could extend the full buildout year to approximately 2043, as discussed further below. The shorter construction duration (32 months) would assume more intensive activities on a daily basis, as well as overlapping activities in comparison to a 20-year buildout schedule. In addition, heavy equipment and truck emissions are expected to result in lower emissions due to stringent emissions control regulations in the future. Age Sensitivity Factors (ASFs) used to calculate cancer risk impacts take into account early life exposure when younger children and infants are more sensitive to TACs in comparison to adults. Health risk impacts analyzed with a compressed and intensive construction schedule would conservatively account for early life exposure. Therefore, as a conservative assumption, it will be assumed that construction would be completed within 32 months.

Vehicular/Truck Operations

During operations, the Project would generate vehicle trips from employees, deliveries, catering, service trucks, and other vehicles used to deliver materials or provide services to support television production operations. Diesel exhaust resulting from on-site vehicles during Project operations will be assessed as a set of side-by-side elevated volume sources consistent with the on-site distribution. The release height will be assumed to be 12 feet. Operational exhaust emissions will be assumed to take place six days per week between 7 A.M. to 6 P.M. (an 11-hour period during which the vast majority of trucks would be active on the Project Site) and include 15 minutes of idle time to account for ingress, egress, and travel on-site.[37] While truck activity would occur across the Project Site, the HRA will proportion the majority of activity in close proximity to multifamily residential uses located directly east of the Project Site as a worst-case assumption.

[37] *SCAQMD, Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis, 2003, www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/mobile-source-toxics-analysis.*

(b) Point Sources

Boilers

Existing boilers will be modeled as a point source with stack parameters specific to each source. Parameters, such as stack height, flow rate, exit temperature, and emission rate, will be based on specifications for each existing boiler. The Project would be required to comply with the City of Los Angles All-Electric Ordinance (Ordinance No. 187,714), which prohibits new natural gas-powered equipment. Therefore, the Project would not install new natural gas boilers at buildout. Detailed stack parameters are provided in Appendix G.

Emergency Generators

Existing emergency generators will be modeled as a point source with stack parameters specific to each source. Parameters, such as stack height, flow rate, exit temperature, and emission rate, will be based on specifications for each existing emergency generator. As discussed above, all existing emergency generators, with the exception of one emergency generator (Big Blue), would be decommissioned and replaced with new emergency generators. Details for existing generators, including SCAQMD permit numbers, are provided in Appendix C. While new emergency generators would be located throughout the Project Site, the HRA will proportion all new emergency generators in close proximity to multifamily residential uses located directly east of the Project Site as a worst-case assumption. The Big Blue emergency generator is assumed to remain in its current location. Detailed stack parameters are provided in Appendix G.

Spray Paint Booths

The Project Site currently includes three spray paint booths, which would be decommissioned upon buildout. The existing spray paint booths currently in operation are identified in the 2019 AER as the M40 Scenic Arts, Facilities Paint Shop, and Mill-1968. Stack parameters vary among the different spray paint booths with stack diameters ranging from 12 to 40 inches and an exit velocity of 30 feet per second. Detailed stack parameters are provided in Appendix G. Similar to future emergency generators, new spray paint booths would meet best available control technology (BACT) requirements and are conservatively assumed to be located on the eastern portion of the Project Site, near residential uses to the east.

(5) Receptor Locations

Locations of receptors will be determined to identify peak ambient air pollutant impacts associated with the Project. A cancer burden risk analysis will be performed to identify areas that would exceed one in one million cancer risk due to Project emissions.

Receptors within the one in one million cancer risk area will be considered a Community receptor in close proximity to the Project site. The analyzed land uses in close proximity include the following:

- Residential uses east of the Project Site. Multifamily residential uses are located approximately 10 meters (35 feet) directly east of the Project Site.

- Residential uses north and west of the Project Site. Residential uses are located 65 meters (200 feet) north and west of the Project Site behind commercial uses fronting Beverly Boulevard and Fairfax Avenue.

- Commercial south of the Project Site. The Draft EIR analyzed the Rancho La Brea Adobe as a commercial use.[38] In addition, in response to comments on the Draft EIR asking it to be treated as a residential use, the Rancho La Brea Adobe located south of the Project Site, although not a residential use occupied by long-term residents, was analyzed as such for informational purposes.

- Commercial uses surrounding the Project Site. Commercial uses are located along Beverly Boulevard, Fairfax Avenue and The Grove Drive, approximately 25 meters (82 feet) from the Project Site boundary; employee exposures would be assessed at these locations. Morasha Hebrew Academy is located within this area.

- On-site childcare. The Project Site could potentially have an on-site childcare center for employees. The location of this use has not yet been determined. On-site receptors will be located throughout the Project Site. Health risk calculated for on-site receptors will assist in determining locations that may exceed SCAQMD health risk thresholds and not be suitable for childcare uses or locations that pose lower health risk and, thus, will be suitable for future childcare uses. Exposures of children at these locations will be assessed.

- Hancock Elementary School. An elementary school is located approximately 430 meters (1,400 feet) south of the Project Site. Exposure of children and teachers (workers) will be assessed at this location.

- Pan Pacific Park. An outdoor park is located approximately 50 feet east of the Project site, across The Grove Drive. Short-term (acute) exposure will be assessed at this location.

[38] *This is consistent with The Grove at Farmers Market Addendum to Final Environmental Impact Report dated July 15, 1999 (EIR No. 87-515-SUB(ZV)(YV)(ZC); State Clearinghouse No. 87102102), which analyzed the Rancho La Brea Adobe as a commercial use (office plus potential future restaurant) and not as a residential use and/or a sensitive receptor.*

Consistent with SCAQMD AERMOD modeling guidance, receptors will be placed at ground level (0 meters), but additional receptors will be added to account for typical breathing height and higher floors of nearby sensitive receptors. Receptor spacing near the Project Site will be 10 meters for the closest sensitive receptors (residential uses to the east). Other off-site receptors in the community around the Project Site will have 20-meter spacing. The initial receptors are shown in Appendix H. In addition, an on-site grid of receptors (10 meter spacing) will be placed across the Project Site to determine appropriate areas for development of a potential childcare center as part of the Project.

(6) Averaging Periods

The calculation of TAC concentrations will use 1-hour averaging periods for estimating acute hazards, maximum 8-hour, and annual concentrations (from the 5-year met set) for chronic non-cancer hazards and 5-year average concentrations for cancer risk estimates. The highest modeled incremental TAC concentrations for each receptor type will be used to estimate Project-related non-cancer chronic and acute human health hazards. These estimates will serve as the basis for significance determinations for the Project.

c. Carcinogenic Exposure Concentrations

To estimate cancer risks, TAC exposure via inhalation for each receptor will be estimated. In February 2015, OEHHA released the Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments. Exposure equations and parameter values presented in this protocol are derived from that guidance, unless otherwise noted. The guidance recommends the use of a software program, Hot Spots Analysis and Reporting Program Version 2 (HARP2) developed by CARB, for calculating and presenting HRA results for the Hot Spots Program. For the HRA, the HARP2 equations and calculations were built into an Excel spreadsheet to allow for customization of the calculations to address Project-specific criteria and for the ease of conducting multiple iterations of calculations.

The HARP2 equations recommend that the concentration of the chemicals in the air be used as the exposure metric resulting in the following formula for an exposure concentration:

$EC = CA \times (BR/BW) \times A \times EF \times 10^{-6}$

Where: EC = exposure concentration (mg/kg/d)

CA = chemical concentration in air ($\mu g/m^3$)

(BR/BW) = daily breathing rate normalized to body weight (L/kg body weight – day)

A = inhalation absorption factor (unitless)

EF = exposure frequency (unitless), days/365 days

10^{-6} = micrograms to milligrams conversion, liters to cubic meters conversion

The assessment of potential human health impacts due to the release of carcinogenic TACs associated with the Project assumes that receptors are exposed to concentrations of TACs over a 30-year period for off-site residential receptors; a 25-year period for off-site workers; and a 5-year period for on-site childcare, consistent with SCAQMD Risk Assessment Guidelines for Rule 1401.[39] Because the construction period is shorter than the suggested averaging periods for estimating cancer risk, the risk analysis will include the combination of Project-related construction and operational impacts.

During the Project construction phase, emissions will vary spatially and temporally as different portions of the Project are started and completed over the 32-month construction period. To incorporate this variability into the model, construction emissions will be modeled separately for each year of construction. TAC concentrations for each receptor type will be calculated by grid point for each year of construction. For the portion of the receptors' exposure periods that are longer than the construction period, construction emissions will be set to zero. However, cancer risks for the years following construction were calculated using the TAC incremental concentrations from Project operations. Operational TAC incremental concentrations will be added to the construction TAC concentrations for all years after the start of construction, through the horizon year when Project operations are assumed to commence. Operational concentrations will only be estimated beyond 2026. For receptor types whose exposure periods extend beyond the 2033 horizon year, the 2033 Project incremental TAC concentrations will be used for the remainder of their exposure period.

[39] *South Coast Air Quality Management District, Risk Assessment Procedures for Rules 1401, 1401.1 and 212. Version 8.1. September 1, 2017.*

The estimate of incremental TAC concentrations for operations will be based on the difference in concentrations between the Project and the existing conditions operational concentrations. The Project TAC concentrations will be based on the anticipated construction activity during the construction period consistent with the assumptions in the Draft EIR, and operational concentrations will be based on Year 2021 baseline and 2026 buildout. However, operational emissions are expected to decrease during future years due to increasingly stringent emissions regulations. Therefore, it is conservatively assumed that the Project would be built out by Year 2026.

The locations of grid points will be selected to be representative of where construction impacts would likely to be greatest, including the nearest residential and/or off-site worker location in each wind direction from the construction areas. This approach will typically overestimate risks for most people living, working, or attending school near the Project Site. This conservative approach provides a buffer for any future changes in Project construction that cannot now be anticipated quantitatively.

Exposure parameters used to calculate the risks and hazards for all receptors for the inhalation pathway are summarized in Table 3 on page 27. Exposure parameters are based on OEHHA Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments,[40] and USEPA Exposure Factors Handbook,[41] as well as other pertinent guidance.

In addition to the exposure parameters presented in Table 3, some of the exposure parameters vary according to age groups to address the methodology detailed in the

[40] *Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program, Risk Assessment Guidelines: Guidance Manual for Preparation of Health Risk Assessments, February 2015.*

[41] *U.S. Environmental Protection Agency, Exposure Factors Handbook, EPA/600/R-09/052F, September 2011.*

Table 3
Exposure Parameters

Exposure Pathway Parameters for Inhalation of Particulates and Gases	Off-Site Receptors		
	Off-Site Adult Resident	Off-Site School Child/On-Site Childcare	Off-Site Worker
Exposure Frequency (Fraction of Year) (unitless)	0.96 (350 days/ 365 days)[a]	0.96[a]	0.685 (250 days/ 365 days)[a]
Exposure Duration (years)	30, 70[a,b,f,g]	5, 7[c]	25[a]
Exposure Time (hrs/day)	8, 24[d]	8[a]	8[a]
Absorption Fraction	1[a]	1[a]	1[a]
Fraction of Time at Home	0.73[a]	1[a,e]	0.73[a]
Averaging Time—Non-Cancer (days)	10,950, 25,550[a,d]	4,380[d]	9,125[d]
Averaging Time—Cancer (days)	25,550[a,d]	25,550[a,d]	25,550[a,d]

[a] *California Environmental Protection Agency, Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program, Risk Assessment Guidelines, Guidance Manual for Preparation of Health Risk Assessments, February 2015.*

[b] *A 30-year exposure duration will be used as the basis for determining significance to the MEI resident. The 70-year exposure duration will be used to assess cancer burden consistent with SCAQMD Rule 1401 Guidelines.*

[c] *A 5-year exposure duration is assumed for on-site childcare. On-site childcare assumes a start age of 0 (newborn) to 5 years old (kindergarten start age). A 7-year exposure duration is assumed for elementary schools (Kindergarten–6th grade).*

[d] *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. During Project construction activities, emissions would occur 8 hours per day as assumed in the Draft EIR. Certain operational activities, such as emergency generator testing and boilers, may operate at any time during a 24-hour day. Averaging times are based on SCAQMD Rule 1401 Guidelines. 25,550 days = 70-years. 10,950 days = 30-years.*

[e] *It was assumed that children attended school within the study area; thus, the Fraction of Time at Home (FAH)= 1 (100 percent).*

[f] *Evaluation of 30-year cancer risk will begin with exposure during the third trimester and will sum individual age group risks from that point forward.*

[g] *A 30-year residential cancer risks will be calculated at residential locations.*

Source: Eyestone Environmental, LLC, 2023.

OEHHA Air Toxics Hot Spots Program Guidance.[42] These exposure parameters are presented in Table 4 on page 29.

[42] *Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program, Risk Assessment Guidelines, Guidance Manual for Preparation of Health Risk Assessments, February 2015.*

(1) Age Sensitivity Factor and Mutagenic Mode of Action

OEHHA's 2015 Guidance Manual provides ASFs to account for potential increased sensitivity of early-in-life exposure to carcinogens. For risk assessments conducted under the auspices of AB 2588, an ASF weighting factor is applied to all carcinogens regardless of purported mechanism of carcinogenic action (i.e., potential to cause DNA damage). In comments presented to the SCAQMD Governing Board (June 5, 2015 meeting, Agenda No. 28) relating to TAC exposures under Rules 1401 (New Source Review of Toxic Air Contaminants) and use of the 2015 OEHHA guidelines and their applicability for projects subject to CEQA as they relate to the incorporation of early-life exposure adjustments, it was reported that:

> *The Proposed Amended Rules are separate from the CEQA significance thresholds. The Response to Comments Staff Report PAR 1401, 1401.1, 1402, and 212 A—8 June 2015 SCAQMD staff is currently evaluating how to implement the Revised OEHHA Guidelines under CEQA. The SCAQMD staff will evaluate a variety of options on how to evaluate health risks under the Revised OEHHA Guidelines under CEQA. The SCAQMD staff will conduct public workshops to gather input before bringing recommendations to the Governing Board.*

With regard to ASFs, the SCAQMD, as a commenting agency, has not conducted public workshops or developed policy relating to the applicability of applying the 2015 OEHHA guidance for projects subject to CEQA.

To emphasize variability in the methodology for conducting HRAs, regulatory agencies throughout the State of California, including DTSC, have adopted USEPA's policy in the application of early-life exposure adjustments.

Table 4
Exposure Parameters by Age Group

Exposure Pathway Parameters for Inhalation of Particulates and Gases	Age Group					
	3rd Trimester	0 < 2 Years	2 < 9 Years	2 < 16 Years	16 < 30 Years	16 < 70 Years
Residential Daily Breathing Rate (L/kg-d)	361	1,090	861	745	335	290
Worker 8-hr Daily Breathing Rate (L/kg-d)	N/A	N/A	N/A	N/A	240	230
School Child 8-hr Daily Breathing Rate (L/kg-d)	N/A	N/A	640	520	240	N/A
Age-adjustment Sensitivity Factor (unitless)	10	10	3	3	1	1
Fraction of Averaging Time (unitless)	0.25/70 = 0.0036	2/70 = 0.0286	7/70 = 0.1	14/70 = 0.2	14/70 = 0.2	54/70 = 0.7714

N/A = not applicable

Source: Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program, Risk Assessment Guidelines, Guidance Manual for Preparation of Health Risk Assessments, February 2015.

Specifically, USEPA guidance relating to the use of early life exposure adjustments[43] are considered when carcinogens act "through the mutagenic mode of action." As reported:

> *The Agency considered both the advantages and disadvantages of extending the recommended, age dependent adjustment factors for carcinogenic potency to carcinogenic agents for which the mode of action remains unknown. EPA recommends these factors only for carcinogens acting through a mutagenic mode of action based on a combination of analysis of available data and long-standing science policy positions that set out the Agency's overall approach to carcinogen risk assessment, e.g., the use of a linear, no threshold extrapolation procedure in the absence of data in order to be health protective. In general, the Agency prefers to rely on analyses of data rather than on general defaults. When data are available for a susceptible lifestage, they should be used directly to evaluate risks for that chemical and that lifestage on a case-by-case basis. In the case of nonmutagenic carcinogens, when the mode of action is unknown, the data were judged by EPA to be too limited and the modes of action too diverse to use this as a category for which a general default adjustment factor approach*

[43] *U.S. Environmental Protection Agency, Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens, EPA/630/R-003F, 2005.*

can be applied. In this situation per the Agency's Guidelines for Carcinogen Risk Assessment, a linear low-dose extrapolation methodology is recommended. It is the Agency's long-standing science policy position that use of the linear low-dose extrapolation approach (without further adjustment) provides adequate public health conservatism in the absence of chemical-specific data indicating differential early-life susceptibility or when the mode of action is not mutagenicity.

In 2006, the USEPA published a memorandum, which provides guidance regarding the preparation of HRAs that include carcinogens identified as having a mutagenic mode of action.[44] As presented in the technical memorandum, numerous compounds were identified as having a mutagenic mode of action. For diesel particulates, polycyclic aromatic hydrocarbons (PAHs) and their derivatives, which are known to exhibit a mutagenic mode of action, comprise less than one percent of the exhaust particulate mass. To date, the USEPA reports that whole diesel engine exhaust has not been shown to elicit a mutagenic mode of action.[45]

Based on a review of relevant guidance on the applicability of the use of early life exposure adjustments to identified carcinogens, the use of ASFs would be questionable as neither the Lead Agency nor SCAQMD has developed recommendations on whether ASFs should be used for CEQA analyses of potential DPM construction or operational impacts. In addition, early life exposure factors may not be appropriate based on USEPA guidance relating to the use of early life exposure adjustment factors (Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens, EPA/630/R-003F) whereby adjustment factors are only considered when carcinogens act "through the mutagenic mode of action."

Although there is some uncertainty in the mutagenic mode of action on early life exposure as discussed above, this HRA conservatively takes ASFs into account in the evaluation.

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[44] *U.S. Environmental Protection Agency, Memorandum—Implementation of the Cancer Guidelines and Accompanying Supplemental Guidance—Science Policy Council Cancer Guidelines Implementation Workgroup Communication II: Performing Risk Assessments that include Carcinogens Described in the Supplemental Guidance as having a Mutagenic Mode of Action, 2006.*

[45] *U.S. Environmental Protection Agency, National Center for Environmental Assessment, 2018. Integrated Risk Information System (IRIS). Diesel Engine Exhaust.*

D. Toxicity Assessment

Risks from exposure to TACs are calculated by combining estimates of potential exposure with chemical-specific toxicity criteria developed by OEHHA, USEPA, or both. The toxicity assessment will initially examine quantitative toxicity criteria for TACs as required under Sections 69021(a), (b), and (c) of Title 22 of the California Code of Regulations (CCR), as described in the *Toxicity Criteria for Human Health Risk Assessments, Screening Levels, and Remediation Goals* rule.[46]

Acute RELs developed by the State of California will be used in the characterization of potential acute non-cancer health hazards associated with the Project. Cancer unit risk factors, cancer slope factors, and chronic RELs developed by the State of California will be 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.

Acute RELs will be used to characterize 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[47] are incorporated to address data gaps and uncertainties, exceeding an REL does not automatically indicate an adverse health impact. One acute REL will be developed for each TAC, and that REL value will be applied to all receptors, residents and workers, children and adults.

E. Risk Characterization

Risk characterization combines information developed for exposure and for toxicity to produce quantitative estimates of health impacts to receptors in the study area.

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[46] *California Department of Toxic Substances Control's Human and Ecological Risk Office, Human Health Risk Assessment Note Number 10, Toxicity Criteria, February 25, 2019.*

[47] *Margin of safety is a ratio of the no-observed-effect level to the estimated exposure dose. Margins of safety are incorporated in the development of toxicity values to account for differences in dose-response among individuals. For example, the same dose of alcohol may have a greater effect on a woman than a man, not only because a woman is smaller in body size but also because men and women metabolize alcohol at different rates.*

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 will be used to calculate incremental human health risks associated with the Project. Risks for people recreating near the Project Site would be lower than those for workers, residents, and students at any given location because of much shorter times spent in recreational activities; accordingly, no risks will be calculated for this population. Where risks are not significant for other receptor groups, risks for visitors at recreational areas (i.e., parks) near the Project Site will also be considered less than significant.

Cancer risks will be estimated by multiplying exposure estimates for carcinogenic chemicals by corresponding cancer slope factors. Cancer risk results will be expressed as the odds of developing cancer over a lifetime for a given period of exposure. Cancer risks will be based on the exposure durations listed in Table 3 on page 27 relative to a 70-year lifetime.[48] The cancer risks will be estimated using the cancer potency factor in the following equation:

$$RISK = EC \times CPF \times ASF \times ED/AT \times FAH$$

Where: RISK = inhalation cancer risk

EC = exposure concentration (mg/kg/d)

CPF = inhalation cancer potency factor ($mg/kg\text{-}day^{-1}$)

ASF = age sensitivity factor for a specified age group (unitless)

ED = exposure duration (in years) for a specified age group

AT = averaging time for lifetime cancer risk (years)

FAH = fraction of time spent at home/school/work (unitless)

Chronic non-cancer health hazard estimates will be calculated by dividing exposure estimates by RELs. RELs are estimates of the 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).

[48] *Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program, Risk Assessment Guidelines, Guidance Manual for Preparation of Health Risk Assessments, February 2015.*

Impacts of exposure to multiple chemicals will be 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 TACs have effects on the respiratory system, including acetaldehyde, acrolein, formaldehyde, xylenes, and diesel particulates. Non-cancer health hazards for the Project will be calculated for the respiratory system, which essentially includes all potential non-cancer health hazards.

To determine whether releases of TACs during construction and operation of the Project would be significant, incremental human health risks for the Project will be compared to thresholds of significance identified in SCAQMD CEQA guidance[49] and summarized in Section 2, below.

2. Maximally Exposed Individuals (MEI)

Concentrations of each TAC at the above identified receptors (see Section 1.3.b(5)) will be used in calculating cancer risk and chronic and acute non-cancer health hazard estimates. These calculations will be used to identify locations with maximum cancer risks and maximum non-cancer health hazards and serve as the basis for significance determinations.

MEI estimates will be based on the land use for each receptor location identified above. For off-site locations, land uses will be designated as either residential, school (including day-care and preschool), , or commercial based on internet web searches and reviews of receptor locations in Google Earth, as is standard practice. These land use identifications will be used to determine appropriate receptors (workers at commercial locations; adult and child residents and school children at residential locations; etc.). Locations of schools, daycares, etc. will be identified as sensitive receptor locations and designated as residential/commercial so that these grid points will be evaluated for both worker (teachers and staff) and residential receptors (school children).

3. Methodology for Evaluating Acute Impacts

Acute non-cancer health risk estimates will be calculated by dividing estimated maximum 1-hour TAC concentrations in the air by acute RELs. An acute REL is a concentration in the air below which adverse effects are unlikely for people, including sensitive subgroups, exposed for a short time on an intermittent basis. RELs for acute

[49] *South Coast Air Quality Management District, South Coast AQMD Air Quality Significance Thresholds, April 2019, www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf.*

non-cancer health hazards do not distinguish between adults and children. Since margins of safety are incorporated to address data gaps and uncertainties, exceeding the REL does not automatically indicate an adverse health impact. Most RELs have been developed for a 1-hour exposure duration, although several are based on an 8-hour exposure period. OEHHA has developed acute RELs for several of the TACs of concern identified for the Project.

Short-term concentrations for each TAC associated with the Project will be divided by acute RELs to determine an acute HQ. Impacts of exposure to multiple chemicals will be accounted for by adding estimated HQs for TACs that affect the same target organ or tissue in the body, generating an acute HI for each receptor. The resulting acute HIs will be compared to the SCAQMD CEQA TAC acute HI significance threshold of 1. HIs less than 1 suggests that adverse acute non-cancer health hazard impacts are not expected. It should be noted that DPM is not specifically included in the acute exposure HI. Therefore, specific constituents of DPM will be included in the calculation of acute exposure.

4. Methodology for Evaluating Population-Wide Risks

Population-based health impact will only be evaluated if the Project MEI cancer risks exceed the SCAQMD cancer risk threshold. The purpose of this type of assessment is to provide perspective on the magnitude of the potential public health threat posed by emissions of a project. Population-wide risk assumes that a population (not necessarily the same individuals) will live within the study area over a 70-year lifetime period.

To evaluate the cancer risk over the exposed population, the cancer burden method will be used to assess the number of excess cancer cases that could occur in the study area. The cancer burden will be calculated by multiplying the cancer risk calculated for a 70-year resident at a grid point by the number of people who live in the census block associated with that grid point. The sum of these estimates represents the cancer burden across each zone of impact (10^{-6}, 10^{-5}, etc.) for the study area. If a single census block contains more than one modeled grid point, the average of the calculated risks for the grid points within the census block will be used for the calculation.

2.0 Health Risk Assessment Significance Thresholds

The SCAQMD has developed health risk and hazard significance thresholds for CEQA impact analyses. These thresholds are provided in Table 5 below. Note that these thresholds have been developed for Project incremental impacts. Project incremental impacts for comparison to the significance thresholds will be determined by using the Project incremental operational emissions and construction emissions as described in Section 1.3.3 to calculate the Project's health risk impacts. The Project's construction and operational TAC concentrations will be combined in determining the total health risk impacts at each receptor.

Table 5
Health Risk and Health Hazard Significance Thresholds

Health Risk or Hazard	Project Incremental Significance Threshold
Cancer Risk (MEI Resident or MEI Worker)	Maximum Incremental Cancer Risk ≥ 10 in one million
Cancer Burden for Exposed Population	> 0.5 excess cancer cases (in areas ≥ one in one million cancer risk)
Chronic Non-Cancer Hazards	Chronic Hazard Index ≥ 1.0
Acute Non-Cancer Hazards	Acute Hazard Index ≥ 1.0

Source: South Coast Air Quality Management District, South Coast AQMD Air Quality Significance Thresholds, April 2019.

Appendix A

CARB Speciation Profiles

Please refer to Appendix B of the Health Risk Assessment for the most recent version of this appendix

Appendix B

Geosyntec, TAC Emissions Related to Excavation of Potentially Contaminated Soils and Groundwater Dewatering Activities

Please refer to Appendix C of the Health Risk Assessment for the most recent version of this appendix

Appendix C

Emergency Generator Emissions Calculations

Please refer to Appendix D of the Health Risk Assessment for the most recent version of this appendix

Appendix D



Gibson, Truck Trip Forecast Memorandum and Onsite Operational Diesel Truck Emissions Calculations

Please refer to Appendix E of the Health Risk Assessment for the most recent version of this appendix

Appendix E

Spray Booth Emissions Calculations

Please refer to Appendix F of the Health Risk Assessment for the most recent version of this appendix

Appendix F

Char Broiler Emissions Calculations

Please refer to Appendix F of the Health Risk Assessment for the most recent version of this appendix

Appendix G

Source Configuration



Please refer to Appendix H of the Health Risk Assessment for the most recent version of this appendix

Appendix H

Stack Parameters



Please refer to Appendix I of the Health Risk Assessment for the most recent version of this appendix

Appendix I

Initial Receptors



Please refer to Appendix J of the Health Risk Assessment for the most recent version of this appendix

Everest Yan

From: Sam Wang <swang1@aqmd.gov>
Sent: Friday, May 5, 2023 2:46 PM
To: Mark Hagmann; Lisa Trifiletti
Cc: Stephanie Eyestone Jones; Everest Yan; Michael Morris; pehrsonjr@cdmsmith.com; Michael Krause; Nicholas Dwyer; Barbara Radlein; Danica Nguyen; Sahar Ghadimi
Subject: RE: TVC 2050 HRA Protocol for SCAQMD Review

Hi Lisa and Mark,

Thank you for addressing our concerns regarding the health risk impacts from stationary sources and diesel trucks in relation to your TVC-2050 project. Following today's meeting, we have no further questions or concerns. Please keep us informed about any project updates, including the release of the FEIR or any future developments that may need our assistance.

Have a good weekend,
Sam

Sam Wang
Program Supervisor, CEQA IGR
Planning, Rule Development & Implementation
South Coast Air Quality Management District
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From: Michael Krause <MKrause@aqmd.gov>
Sent: Wednesday, April 26, 2023 1:49 PM
To: Mark Hagmann <m.hagmann@eyestoneeir.com>; Michael Morris <mmorris@aqmd.gov>; Sam Wang <swang1@aqmd.gov>
Cc: Lisa Trifiletti <lisa@trifiletticonsulting.com>; Stephanie Eyestone Jones <s.eyestone@eyestoneeir.com>; Everest Yan <e.yan@eyestoneeir.com>; pehrsonjr@cdmsmith.com
Subject: RE: TVC 2050 HRA Protocol for SCAQMD Review

Thanks Mark! I'm not sure we'll be able to fully review the document in time for our meeting tomorrow, but we'll take a look, and maybe you'll be able to walk thru the highlight/key areas. Thx, Mike

---

From: Mark Hagmann <m.hagmann@eyestoneeir.com>
Sent: Wednesday, April 26, 2023 1:46 PM
To: Michael Morris <mmorris@aqmd.gov>; Michael Krause <MKrause@aqmd.gov>; Sam Wang <swang1@aqmd.gov>
Cc: Lisa Trifiletti <lisa@trifiletticonsulting.com>; Stephanie Eyestone Jones <s.eyestone@eyestoneeir.com>; Everest Yan <e.yan@eyestoneeir.com>; pehrsonjr@cdmsmith.com
Subject: TVC 2050 HRA Protocol for SCAQMD Review

Please see the attached HRA protocol for your review and discussion. I look forward to our scheduled meeting tomorrow afternoon. If you do have any questions regarding the protocol before then, please do not hesitate to contact me.

Mark Hagmann, P.E.
Director of Air Quality

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Appendix B



California Air Resources Board (CARB) Speciation Profiles

		CARB PM Speciation Profiles (Wt Fraction of PM10)											CARB ORG Speciation Profiles (Wt Fraction of TOG)								
Compounds Included in Speciation Profiles for Project	**CAS Number[1]**	**502 Cooking (IMPROVE)**	**1101 Gas-Fired Boilers**	**2201 Surface Coating-Oil Based**	**2202 Surface Coating-Water Based**	**4001 Gasoline Vehicle Equipped with Catalytic Converter**	**7211 2021 HEAVY-DUTY DIESEL TRUCK-idle (2016 UPDATE) (speciation only used for acute hazard risk)**	**7213 2021 HEAVY-DUTY DIESEL TRUCK-transient (2016 UPDATE) (speciation only used for acute hazard risk)**	**7231 2023 HEAVY-DUTY DIESEL TRUCK-idle (2016 UPDATE) (speciation only used for acute hazard risk)**	**7233 2023 HEAVY-DUTY DIESEL TRUCK-transient (2016 UPDATE) (speciation only used for acute hazard risk)**	**7261 2026 HEAVY-DUTY DIESEL TRUCK-idle (2016 UPDATE) (speciation only used for acute hazard risk)**	**7263 2026 HEAVY-DUTY DIESEL TRUCK-transient (2016 UPDATE) (speciation only used for acute hazard risk)**	**7493 Year 2049 Heavy-Duty Diesel Truck transient (2016 Update) for Tier 4 Final Offroad Equipment (speciation only used for acute hazard risk)**	**3 External Comustion Boiler-Natural Gas**	**716 Medium Cure Asphalt**	**818 Farm Equipment - Diesel (speciation only used for acute hazard risk)**	**1453 Meat Charbroiling (USEPA#4553)**	**2303 Gasoline Catalyst-Stabilized Exhaust-E6 Summer**	**2304 Gasoline Catalyst-Stabilized Exhaust-E6 Winter**	**3903 Architectural Coatings - Solvent-Based - 2014 Survey**	**3904 Architectural Coatings - Water-Based-2014 Survey**	**Adhesive (Spray 77) % by wt.**
Acetaldehyde	75070														0.073530	0.038031	0.009001	0.016399			
Acrolein	107028																0.000014	0.000056			
Ammonia (used values for ammonium from speciation profiles)	7664417	0.000004	0.013900				0.001985	0.048236	0.002195	0.050039	0.003056	0.043522	0.014799								
Arsenic and compounds (inorganic)	7440382		0.000300			0.000012	0.000001														
Benzene	71432													0.040000		0.020010	0.002891	0.038910	0.036146		
Butadiene, 1,3-	106990															0.001900	0.003657	0.002427	0.001987		
Cadmium and compounds	7440439	0.000004		0.001400		0.000043	0.000028														
Chlorine	7782505			0.004900		0.000719	0.000019	0.000063	0.000073	0.000178	0.000101	0.000224	0.000446								
{Total chromium in CARB Speciation Profile}	18540299		0.000100																		
Chyresene and Triphenylene	218019																0.000011				
Cobalt	7440484	0.000010	0.000300		0.000200	0.000021	0.000006														
Copper and compounds	7440508	0.000107	0.004300			0.000689	0.000079	0.000215	0.000031	0.000152	0.000041	0.000156	0.000168								
Diesel exhaust particulate matter (DPM)[2]																					
Ethyl benzene	100414														0.023160	0.003050	0.000383	0.011191	0.008028	0.005679	0.000080
Ethylene glycol	107211																			0.000067	0.153093
Ethylene glycol butyl ether – EGBE (see Glycol ethers)	111762																			0.007031	0.013987
Formaldehyde	50000													0.080000		0.147140	0.048130	0.021485	0.021636		
ethylene glycol butyl ether – EGBE (2-butoxy ethanol; butyl cellosolve)	111762																			0.007031	0.013987
Hexane, n-	110543													0.010000		0.001570	0.001532	0.007776	0.007595			0.005000
Isopropyl alcohol (isopropanol)	67630																			0.006131	0.001895	
Lead and compounds (inorganic)	7439921		0.000300		0.000900	0.000434	0.000005	0.000054	0.000001	0.000054	0.000001	0.000046	0.000008								
Magnesium	7439954	0.001095																			
Manganese and compounds	7439965	0.000166	0.000900			0.000110	0.000226	0.000381	0.000001	0.000369	0.000002	0.000305	0.000018								
Mercury and compounds (inorganic)	7439976						0.000007		0.000001		0.000001		0.000001								
Methanol (methyl alcohol)	67561															0.000300		0.000205	0.000633	0.000681	0.022600
Methyl ethyl ketone (MEK) (2-butanone)	78933															0.014770		0.001507	0.001067	0.002014	
Methyl tertiary-butyl ether (MTBE)	1634044																	0.004680	0.000041		
Naphthalene	91203															0.000850	0.000313	0.003685	0.001365		
Nickel and compounds	7440020	0.000039	0.004300				0.000018	0.000034	0.000023	0.000070	0.000032	0.000083	0.000143								
Parachlorobenzotrifluoride {PCBTF}	98566																			0.136359	0.001584
Perchloroethylene (tetrachloroethylene)	127184																			0.001317	
Propylene (propene)	115071															0.025970	0.010065	0.021970	0.020989		
Propylene glycol monomethyl ether	107982																			0.001695	0.000518
Selenium and compounds	7782492						0.000005	0.000002	0.000002	0.000006	0.000003	0.000008	0.000015								
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.003135	0.050200	0.075700	0.000500	0.000013	0.001012	0.000138	0.000160	0.000390	0.000222	0.000492	0.000979								
Styrene	100425															0.000580		0.002185	0.000943	0.000152	
Sulfates	9960	0.002141	0.059800				0.055615	0.202215	0.026263	0.098453	0.025586	0.085956	0.016421								
Tertiary Butyl Acetate (TBAc)	540885																			0.004458	
Toluene	108883														0.064450	0.014730	0.001393	0.047541	0.039223	0.005578	0.003000
Triethylamine	121448																			0.001365	
Vanadium Compounds	7440622	0.000002	0.001700				0.000004	0.000004	0.000003	0.000001	0.000003	0.000003									
Vinyl acetate	108054																			0.000321	
Xylenes (mixed isomers)	1330207														0.085600	0.010410	0.000801	0.050738	0.042851	0.000194	
m-xylene	108383															0.006110	0.000418	0.022672	0.020903	0.000194	0.000079
o-xylene	95476															0.003350	0.000383	0.016116	0.011749		
p-xylene	106423															0.000950		0.011950	0.010199		

Note 1: Chemical Abstract Number (CAS)
Note 2: Diesel exhaust particulate matter should be used as a surrogate for all TAC emissions from diesel-fueled compression-ignition internal combustion engines for purposes of evaluating chronic and Carcinogenic expsoure.

Appendix C

Construction and TAC Emissions



Appendix C1

Construction Emissions



Television City Health Risk Assessment

Architectural Coatings

Paint Parameters

Water-Based Coating (%)[a]	0.94
Water-Based Coating (ROG/TOG Ratio)	0.6999
Solvent-Based Coating (%)[a]	0.06
Solvent-Based Coating (ROG/TOG Ratio)	1.00

Architectural Coatings ROG Emissions

Source	lbs/hr	lbs/year	
ROG (Total)[b]	3.58	5,620	
TOG (Water-Based Coating)	4.80	7,548	Converted from ROG to TOG
TOG (Solvent-Based Coating)	0.22	338	

[a] California Air Resources Board, Architectural Coatings Survey, May 6, 2022

[b] Please refer to CalEEMod Outputs provided in Appendix A of the Confirmatory Analysis and annual emissions reports in Appendix A-7 of the Confirmatory Analysis

Speciation Profile - 3904 Architectural Coatings - Water-Based and 2202 Paint Application-Water Based

Chemical Name	CAS No. /HARP ID	Speciation (%)	Emissions (lbs/hr)	Emissions (lbs/year)	HARP ID	
Ethyl benzene	100414	0.0000805	3.9E-04	0.6	DPM	Water Based ORG
Ethylene glycol	107211	0.1530927	7.4E-01	1155.5	DPM	
Ethylene glycol butyl ether – EGBE (see Glycol ethe	111762	0.0139874	6.7E-02	105.6	DPM	
Isopropyl alcohol (isopropanol)	67630	0.0018951	9.1E-03	14.3	DPM	
Methanol (methyl alcohol)	67561	0.0226005	1.1E-01	170.6	DPM	
Parachlorobenzotrifluoride {PCBTF}	98566	0.0015837	7.6E-03	12.0	DPM	
Propylene glycol monomethyl ether	107982	0.0005179	2.5E-03	3.9	DPM	
Triethylamine	121448	0.0013649	6.6E-03	10.3	DPM	
Vinyl acetate	108054	0.0003205	1.5E-03	2.4	DPM	
m-xylene	108383	0.0000793	3.8E-04	0.6	DPM	
Ethyl benzene	100414	0.0056794	1.2E-03	1.9	DPM	Solvent Based ORG
Ethylene glycol	107211	0.0000674	1.5E-05	0.0	DPM	
ethylene glycol butyl ether – EGBE (2-butoxy ethan	111762	0.0070311	1.5E-03	2.4	DPM	
Isopropyl alcohol (isopropanol)	67630	0.0061313	1.3E-03	2.1	DPM	
Methanol (methyl alcohol)	67561	0.0006810	1.5E-04	0.2	DPM	
Methyl ethyl ketone (MEK) (2-butanone)	78933	0.0020141	4.3E-04	0.7	DPM	
Parachlorobenzotrifluoride {PCBTF}	98566	0.1363589	2.9E-02	46.2	DPM	
Perchloroethylene (tetrachloroethylene)	127184	0.0013166	2.8E-04	0.4	DPM	
Propylene glycol monomethyl ether	107982	0.0016948	3.6E-04	0.6	DPM	
Styrene	100425	0.0001515	3.3E-05	0.1	DPM	
Tertiary Butyl Acetate (TBAc)	540885	0.0044575	9.6E-04	1.5	DPM	
Toluene	108883	0.0055780	1.2E-03	1.9	DPM	
Xylenes (mixed isomers)	1330207	0.0001942	4.2E-05	0.1	DPM	

Television City Health Risk Assessment

Asphalt Offgassing Emissions

Asphalt ROG Emissions

HARP ID	lbs/hr	lbs/year
DPM[a]	0.08	20

Speciation Profile - 716 Medium Cure Asphalt

Chemical Name	CAS No. /HARP ID	Speciation (%)	Emissions (lbs/hr)	Emissions (lbs/year)
Ethyl benzene	100414	0.02316	1.8E-03	0.4632
Toluene	108883	0.06445	5.0E-03	1.289
Xylenes (mixed isomers)	1330207	0.0856	6.6E-03	1.712

[a] Please refer to CalEEMod Outputs provided in Appendix A of the Confirmatory Analysis and annual emissions reports in A-3 of the Confirmatory Analysis

Television City Health Risk Assessment

Offroad Equipment Emissions

Diesel Particulate Matter Emissions

HARP ID	lbs/hr	lbs/year
DPM[a]	0.23	37.4
TOG[a]	0.23	93.2

[a] Based on average annual emissions calculated with CalEEMod. Please refer to Appendix A-3 of the Confirmatory Analysis.

Speciation Profile - 7493 Year 2049 Heavy-Duty Diesel Truck transient (2016 Update) for Tier 4 Final Offroad Equipment

Chemical Name	CAS No. /HARP ID	Speciation (%)	Emissions (lbs/hr)	Emissions (lbs/year)	HARP ID
Ammonia (used values for ammonium fro	7664417	0.014799	3.5E-03	0	DPM
Chlorine	7782505	0.000446	1.0E-04	0	DPM
Copper and compounds	7440508	0.000168	3.9E-05	0	DPM
Lead and compounds (inorganic) (note 4)	7439921	0.000008	1.9E-06	0	DPM
Manganese and compounds	7439965	0.000018	4.2E-06	0	DPM
Mercury and compounds (inorganic) (note	7439976	0.000001	2.3E-07	0	DPM
Nickel and compounds (note 4) (values als	7440020	0.000143	3.4E-05	0	DPM
Selenium and compounds (note 4)	7782492	0.000015	3.5E-06	0	DPM
Silica (crystalline, respirable) (used values	1175	0.000979	2.3E-04	0	DPM
Sulfates	9960	0.016421	3.9E-03	0	DPM
Acetaldehyde	75070	0.07353	1.7E-02	0	DPM
Benzene	71432	0.02000998	4.7E-03	0	DPM
Butadiene, 1,3-	106990	0.0019	4.5E-04	0	DPM
Ethyl benzene	100414	0.00305	7.2E-04	0	DPM
Formaldehyde	50000	0.14714	3.5E-02	0	DPM
Hexane, n-	110543	0.00157	3.7E-04	0	DPM
Methanol (methyl alcohol)	67561	0.0003	7.0E-05	0	DPM
Methyl ethyl ketone (MEK) (2-butanone)	78933	0.01477	3.5E-03	0	DPM
Naphthalene	91203	0.00085	2.0E-04	0	DPM
Propylene (propene)	115071	0.02597	6.1E-03	0	DPM
Styrene	100425	0.00058	1.4E-04	0	DPM
Toluene	108883	0.01473	3.5E-03	0	DPM
Xylenes (mixed isomers)	1330207	0.01041	2.4E-03	0	DPM
Diesel engine exhaust, particulate matter	9901		0.0E+00	37.4	DPM

Speciation Profile - 7233 2023 HEAVY-DUTY DIESEL TRUCK-transient (2016 UPDATE) and 7231 2023 HEAVY-DUTY DIESEL TRUCK-idle (2

Chemical Name	CAS No. /HARP ID	Speciation (%)	Emissions (lbs/hr)	Emissions (lbs/year)	HARP ID
Ammonia (used values for ammonium fro	7664417	0.050039	1.0E-04	0	ROAD
Chlorine	7782505	0.000178	3.6E-07	0	ROAD
Copper and compounds	7440508	0.000152	3.0E-07	0	ROAD
Lead and compounds (inorganic) (note 4)	7439921	0.000054	1.1E-07	0	ROAD
Manganese and compounds	7439965	0.000369	7.4E-07	0	ROAD
Nickel and compounds (note 4) (values als	7440020	0.00007	1.4E-07	0	ROAD
Selenium and compounds (note 4)	7782492	0.000006	1.2E-08	0	ROAD
Silica (crystalline, respirable) (used values	1175	0.00039	7.8E-07	0	ROAD
Sulfates	9960	0.098453	2.0E-04	0	ROAD
Vanadium	7440622	0.000001	2.0E-09	0	ROAD
Ammonia (used values for ammonium fro	7664417	0.002195	2.6E-06	0	ROAD
Chlorine	7782505	0.000073	8.6E-08	0	ROAD
Copper and compounds	7440508	0.000031	3.6E-08	0	ROAD
Lead and compounds (inorganic) (note 4)	7439921	0.000001	1.2E-09	0	ROAD
Manganese and compounds	7439965	0.000001	1.2E-09	0	ROAD
Diesel engine exhaust, particulate matter	9901	0	0	1.06	ROAD

Television City

Dewatering Emissions Calculations

Dewatering Volumes

Area	AERMOD Excavation Area	Total Gallons
1	4	3,700,000
2	4	7,500,000
3	4	5,000,000
4A	2	
4B	2	150,000
5	3	100,000
6	1	9,900,000
Total		**26,350,000**

AERMOD Excavation Area	Total Gallons	Total Liters
1	9,900,000	37,471,500
2	150,000	567,750
3	100,000	378,500
4	16,200,000	61,317,000
	26,350,000	99,734,750

Source: Dewatering Simulation and Analysis for Temporary Excavation and Underground Parking Structure Construction, as Appendix FEIR-13 of this Final EIR

Dewatering Parameters

Treatment System Parameters

Flow Rate (gal/day)[a]	144000	24 hrs/day operation
Flow Rate (L/day)	545099.04	
Emission Factor (Release Factor)[b]	1%	
Total Dewatering Volume (gal.)[c]	26,400,000	
Total Dewatering (L)	99,934,824	For Annual Emissions

VOC Calculations

Groundwater Concentrations (ug/L)	Max Detected (ug/L)	Average Detected (ug/L)	Max Daily Emissions (lbs)	Total Emissions (lbs)	Avg Daily Emissions (lbs)
Gasoline Range Organics	160000	12337	2.31	32.56	0.05
Diesel Range Organics	40000	4092	0.58	10.80	0.02
Oil Range Organics	4600	539	0.07	1.42	0.00
Total VOC			2.95	44.78	**0.07**

Groundwater Concentrations (ug/L)[d]

		Excavation Area				Excavation Area (lbs/day)				Excavation Area (lbs/year)				Excavation Area (lbs/hr)			
CAS	**Chemical Name**	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**
95636	1,2,4-Trimethylbenzene	2	4	2	390	0.00003	0.00006	0.00003	0.00562	0.00198	0.00006	0.00002	0.63272	0.00000	0.00000	0.00000	0.00023
25551137	1,3,5-Trimethylbenzene	2	4	2	99	0.00003	0.00006	0.00003	0.00143	0.00198	0.00006	0.00002	0.16061	0.00000	0.00000	0.00000	0.00006
71432	Benzene	2	4	1	150	0.00003	0.00006	0.00001	0.00216	0.00198	0.00006	0.00001	0.24335	0.00000	0.00000	0.00000	0.00009
65850	Benzoic Acid	0	83	0	93	0.00000	0.00120	0.00000	0.00134	0.00000	0.00125	0.00000	0.15088	0.00000	0.00005	0.00000	0.00006
67663	Chloroform	2	4	2	36	0.00003	0.00006	0.00003	0.00052	0.00198	0.00006	0.00002	0.05840	0.00000	0.00000	0.00000	0.00002
540590	cis-1,2-DCE	6.4	4	2	20	0.00009	0.00006	0.00003	0.00029	0.00635	0.00006	0.00002	0.03245	0.00000	0.00000	0.00000	0.00001
100414	Ethylbenzene	2	4	2	900	0.00003	0.00006	0.00003	0.01298	0.00198	0.00006	0.00002	1.46012	0.00000	0.00000	0.00000	0.00054
98828	Isopropylbenzene	2	4	2	810	0.00003	0.00006	0.00003	0.01168	0.00198	0.00006	0.00002	1.31411	0.00000	0.00000	0.00000	0.00049
1634044	MTBE	2	4.1	5.2	20	0.00003	0.00006	0.00007	0.00029	0.00198	0.00006	0.00005	0.03245	0.00000	0.00000	0.00000	0.00001
91203	Naphthalene	0	48	0	290	0.00000	0.00069	0.00000	0.00418	0.00000	0.00072	0.00000	0.47048	0.00000	0.00003	0.00000	0.00017
104518	n-Butylbenzene	2	4	2	1900	0.00003	0.00006	0.00003	0.02740	0.00198	0.00006	0.00002	3.08248	0.00000	0.00000	0.00000	0.00114
103651	N-Propylbenzene	2	4	2	3600	0.00003	0.00006	0.00003	0.05192	0.00198	0.00006	0.00002	5.84049	0.00000	0.00000	0.00000	0.00216
87865	Pentachloro- phenol	0	18	0	11	0.00000	0.00026	0.00000	0.00016	0.00000	0.00027	0.00000	0.01785	0.00000	0.00001	0.00000	0.00001
135988	sec-Butylbenzene	2	4	2	590	0.00003	0.00006	0.00003	0.00851	0.00198	0.00006	0.00002	0.95719	0.00000	0.00000	0.00000	0.00035
98066	tert-Butyl benzene	20	2	1	23	0.00029	0.00003	0.00001	0.00033	0.01983	0.00003	0.00001	0.03731	0.00001	0.00000	0.00000	0.00001
108883	Toluene	20	2	1	12	0.00029	0.00003	0.00001	0.00017	0.01983	0.00003	0.00001	0.01947	0.00001	0.00000	0.00000	0.00001
95476	o-Xylene	20	2	1	16	0.00029	0.00003	0.00001	0.00023	0.01983	0.00003	0.00001	0.02596	0.00001	0.00000	0.00000	0.00001
1330207	m,p-Xylene	4	8	4	420	0.00006	0.00012	0.00006	0.00606	0.00397	0.00012	0.00004	0.68139	0.00000	0.00000	0.00000	0.00025
79016	TCE	12	4	2	20	0.00017	0.00006	0.00003	0.00029	0.01190	0.00006	0.00002	0.03245	0.00001	0.00000	0.00000	0.00001
127184	PCE	3.7	4	2	20	0.00005	0.00006	0.00003	0.00029	0.00367	0.00006	0.00002	0.03245	0.00000	0.00000	0.00000	0.00001
91576	2-Methylnaphthalene	0	9.5	0	490	0.00000	0.00014	0.00000	0.00707	0.00000	0.00014	0.00000	0.79496	0.00000	0.00001	0.00000	0.00029
90120	1-Methylnaphthalene	0	9.5	0	290	0.00000	0.00014	0.00000	0.00418	0.00000	0.00014	0.00000	0.47048	0.00000	0.00001	0.00000	0.00017
621647	N-Nitroso di- n- propylamine	0	9.5	0	87	0.00000	0.00014	0.00000	0.00125	0.00000	0.00014	0.00000	0.14115	0.00000	0.00001	0.00000	0.00005

[a] Based on a dewatering system flow rate of 100 gallons per minute which covers the entire site, 24 hours per day.

[b] Dewatering system would use Granular Activated Carbon (GAC) which could remove up to 99.9% of VOCs. Conservatively assumed 99% removal efficiency

[c] Total dewatering volume rounded up. Assumed for annual emissions calculations

[d] Memo Estimated Volume of Impacted Soil and Constituents of Potential Concern. Geosyntec Memo, March 13, 2023. Appendix C2 of this HRA.

Television City

Soil Remediation - EMSOFT Outputs

1 sf = 929.03 cm2

Soil Temperature		
Parameter	Value	Units
Temperature (Air)	64.9	F
Temperature (Soil)	68.6	F
Temperature (Soil)	293.5	K

Constants		
Parameter	Value	Units
Gas Content	1.9872	cal/mol-K
Gas Content	0.00008205	atm-m^3/mol-K

Soil Characteristics (Loam)		
Parameter	Value	Units
fraction organic carbon	0.005	dimensionless
Porosity	0.399	dimensionless
Water Content	0.148	dimensionless
Bulk Denisty	1.59	g/cm^3
Boundary Layer Thinkness	0.5	cm

Calculation Options		
Parameter	Value	Units
Time Peroid	0.33333333	d
D1 (Used for depth avering soil concentration	30.5	cm
D2 (depth to which the soil concentration profile is calculated	30.5	cm

Chemical	Excavation Area	Enthalpy of vaporization at normal boiling point (cal/mol)	Critical temperature (K)	Normal Boiling Point (K)		Exponent (unitless)	Enthalpy of vaporization at the average soil temperature (cal/mol)	Henry's law constant reference temperature (K)	Henry's Law Constant at the reference temperature (atm-m^3/mol)	Henry's Law Constant at the average soil temperature (dimensionless)	log K_{ow}	K_{oc}	Air Diffusivity (cm^2/s)	Water Diffusivity (cm2/s)	Air Diffusivity (cm^2/d)	Water Diffusivity (cm2/d)	Concentration in Soil (mg/kg)	Average Surface Flux (mg/d/cm^2)	First Release (.25 d)	Emission Rate (lbs/hr)
2-Butanone	1	8200	533	352.74	0.661801	0.373732833	9118.680447	298.15	0.0000467	0.001519924	0.29	2.2	0.0808	0.0000098	6981.12	0.85	1.8E-02	1.1E-04	6.5E-05	9.5E-05
	2																4.0E-02	2.5E-04	1.4E-04	2.1E-04
	3																1.8E-02	1.1E-04	6.5E-05	9.5E-05
	4																1.7E-02	1.0E-04	6.2E-05	8.9E-05
Acetone	1	6955	508.1	329.2	0.647904	0.363448927	7430.424373	298.15	0.0000388	0.001321068	-0.24	0.7	0.124	0.0000114	10713.6	0.98	5.3E-02	3.8E-04	2.2E-04	3.2E-04
	2																2.2E-01	1.6E-03	9.2E-04	1.3E-03
	3																4.6E-02	3.3E-04	1.9E-04	2.8E-04
	4																4.3E-02	3.1E-04	1.8E-04	2.6E-04
Benzene	1	7342	562.16	353.24	0.628362	0.348987904	8015.480545	298.15	0.00556	0.186371738	2.13	105.7	0.088	0.0000098	7603.2	0.85	9.8E-04	2.8E-05	1.6E-05	2.4E-05
	2																7.0E-02	2.0E-03	1.2E-03	1.7E-03
	3																1.4E-03	4.0E-05	2.3E-05	3.4E-05
	4																2.5E-03	7.2E-05	4.2E-05	6.2E-05
Ethylbenzene	1	8501	617.2	409.34	0.663221	0.374783539	10036.11719	298.15	0.00788	0.250257125	3.14	875.5	0.075	0.0000078	6480	0.67	9.8E-04	1.1E-05	6.6E-06	9.7E-06
	2																3.3E-03	3.8E-05	2.2E-05	3.3E-05
	3																9.2E-04	1.1E-05	6.2E-06	9.1E-06
	4																8.5E-04	9.9E-06	5.8E-06	8.4E-06
MTBE	1	6670	497.3	328.3722	0.66031	0.372629488	7153.079169	298.15	0.000587	0.020134907		8.0	0.102	0.00001	8812.8	0.86	2.0E-03	4.5E-05	2.6E-05	3.8E-05
	2																5.9E-03	1.3E-04	7.6E-05	1.1E-04
	3																1.8E-03	4.0E-05	2.3E-05	3.4E-05
	4																2.8E-06	6.2E-08	3.6E-08	5.3E-08
m,p-xylene	1	10000	617	413.15	0.669611	0.379512156	11915.55342	298.15	0.00673	0.203267801		386.0	0.0769	8.44E-06	6644.16	0.73	3.9E-03	7.6E-05	4.4E-05	6.5E-05
	2																4.0E-03	7.8E-05	4.5E-05	6.6E-05
	3																1.8E-03	3.5E-05	2.0E-05	3.0E-05
	4																1.7E-03	3.3E-05	1.9E-05	2.8E-05
o-Xylene	1	8661	630.3	417.6	0.662542	0.374280819	10286.6562	298.15	0.0052	0.164042593	3.2	992.7	0.087	0.00001	7516.8	0.86	1.8E-03	1.7E-05	1.0E-05	1.5E-05
	2																1.6E-03	1.5E-05	8.9E-06	1.3E-05
	3																9.2E-04	8.6E-06	5.0E-06	7.3E-06
	4																1.7E-03	1.6E-05	9.5E-06	1.4E-05
Toluene	1	7930	591.79	383.78	0.648507	0.363895233	9041.498992	298.15	0.00663	0.216229086	2.75	387.0	0.087	0.0000086	7516.8	0.74	9.8E-04	1.7E-05	1.0E-05	1.5E-05
	2																2.3E-02	4.0E-04	2.3E-04	3.4E-04
	3																9.2E-04	1.6E-05	9.2E-06	1.4E-05
	4																8.4E-04	1.5E-05	8.4E-06	1.2E-05

Television City

Soil Remediation - Volatile Emissions Calculations

Excavation Parameters

Surface Area Exposed (SF)	1000	
Excavation Quantity per Day (CY)	42	
Foam Control Efficiency (%)[a]	91%	
Excavation Duration (days)	185	CalEEMod Output
Total Contaminated Soil Truck Trips	4286	CalEEMod Output
Contaminated Soil Truck Trips/day	23	

Excavation Area[b]	Quantity (CY)[c]	Excavation Amount per Day (CY)	Days of Excavation
1	11,000	322	34
2	3,000	322	9
3	2,000	322	6
4	44,000	322	137

Chemical	Excavation Area	Concentration in Soil (mg/kg)	EMSOFT Outputs[d] Average Surface Flux (mg/d/cm^2)	First Release (.25 d)	Max Emission Rate (lbs/hr)	Controlled Emission Rate (lbs/hr)	Days of Excavation	Controlled Emission Rate (lbs/year)	CAS No.
2-Butanone	1	0.018	1.11E-04	6.52E-05	9.46E-06	8.52E-07	34	6.98E-04	78933
2-Butanone	2	0.04	2.46E-04	1.45E-04	2.10E-05	1.89E-06	9	4.23E-04	78933
2-Butanone	3	0.018	1.11E-04	6.52E-05	9.46E-06	8.52E-07	6	1.27E-04	78933
2-Butanone	4	0.017	1.05E-04	6.16E-05	8.94E-06	8.04E-07	137	2.64E-03	78933
Acetone	1	0.053	3.79E-04	2.22E-04	3.24E-05	2.91E-06	34	2.39E-03	67641
Acetone	2	0.22	1.57E-03	9.23E-04	1.34E-04	1.21E-05	9	2.70E-03	67641
Acetone	3	0.046	3.29E-04	1.93E-04	2.81E-05	2.53E-06	6	3.77E-04	67641
Acetone	4	0.043	3.08E-04	1.80E-04	2.63E-05	2.36E-06	137	7.75E-03	67641
Benzene	1	0.00098	2.83E-05	1.63E-05	2.41E-06	2.17E-07	34	1.78E-04	71432
Benzene	2	0.07	2.02E-03	1.17E-03	1.72E-04	1.55E-05	9	3.47E-03	71432
Benzene	3	0.0014	4.04E-05	2.33E-05	3.45E-06	3.10E-07	6	4.62E-05	71432
Benzene	4	0.0025	7.21E-05	4.16E-05	6.15E-06	5.54E-07	137	1.82E-03	71432
Ethylbenzene	1	0.00098	1.14E-05	6.63E-06	9.73E-07	8.76E-08	34	7.18E-05	100414
Ethylbenzene	2	0.0033	3.84E-05	2.23E-05	3.28E-06	2.95E-07	9	6.59E-05	100414
Ethylbenzene	3	0.00092	1.07E-05	6.23E-06	9.13E-07	8.22E-08	6	1.23E-05	100414
Ethylbenzene	4	0.00085	9.89E-06	5.75E-06	8.44E-07	7.60E-08	137	2.49E-04	100414
MTBE	1	0.002	4.46E-05	2.58E-05	3.80E-06	3.42E-07	34	2.81E-04	1634044
MTBE	2	0.0059	1.31E-04	7.60E-05	1.12E-05	1.01E-06	9	2.26E-04	1634044
MTBE	3	0.0018	4.01E-05	2.32E-05	3.42E-06	3.08E-07	6	4.59E-05	1634044
MTBE	4	0.0000028	6.24E-08	3.61E-08	5.33E-09	4.79E-10	137	1.57E-06	1634044
m,p-xylene	1	0.0039	7.56E-05	4.38E-05	6.46E-06	5.81E-07	34	4.76E-04	1330207
m,p-xylene	2	0.004	7.76E-05	4.49E-05	6.62E-06	5.96E-07	9	1.33E-04	1330207
m,p-xylene	3	0.0018	3.49E-05	2.02E-05	2.98E-06	2.68E-07	6	4.00E-05	1330207
m,p-xylene	4	0.0017	3.30E-05	1.91E-05	2.81E-06	2.53E-07	137	8.31E-04	1330207
o-Xylene	1	0.0018	1.72E-05	1.00E-05	1.46E-06	1.32E-07	34	1.08E-04	95476
o-Xylene	2	0.0016	1.52E-05	8.90E-06	1.30E-06	1.17E-07	9	2.62E-05	95476
o-Xylene	3	0.00092	8.58E-06	5.00E-06	7.32E-07	6.59E-08	6	9.82E-06	95476
o-Xylene	4	0.0017	1.62E-05	9.45E-06	1.38E-06	1.24E-07	137	4.08E-04	95476
Toluene	1	0.00098	1.73E-05	1.00E-05	1.48E-06	1.33E-07	34	1.09E-04	108883
Toluene	2	0.023	3.98E-04	2.30E-04	3.40E-05	3.06E-06	9	6.83E-04	108883
Toluene	3	0.00092	1.59E-05	9.22E-06	1.36E-06	1.22E-07	6	1.82E-05	108883
Toluene	4	0.00084	1.45E-05	8.42E-06	1.24E-06	1.12E-07	137	3.66E-04	108883
cis-1,2-Dichloroethene	1	0.002	5.68E-05	3.28E-05	4.85E-06	4.36E-07	34	3.58E-04	540590
Trichloroethene	1	0.004	1.55E-04	9.82E-05	1.32E-05	1.19E-06	34	9.76E-04	79016

[a] U.S. Environmental Protection Agency, Control of Air Emissions from Superfund Sites, (1992) 108.

[b] Refer to Excavation Areas Figure in Appendix C2 of this HRA

[c] Memo Estimated Volume of Impacted Soil and Constituents of Potentail Concern. Geosyntec Memo, March 13, 2023. Appendix C.2 of this HRA. [d] Technical memo, Groundwater Data Summary in Response to Comments on the Draft EIR. Geosyntec Consultants. March 21, 2023. Appendix C2 of this HRA.

Dust From Material Movement

CalEEMod Methodology

Excavation / Truck Loading Emissions

EF = k x (0.0032) x ((U/5)^1.3 / (M/2)^1.4)[a]

k = particle size multiplier	0.35	
U = mean wind speed (mph)	**1.11**	
M = material moisture content (%)	**12**	CalEEMod Default (12 %)

Truck Loading Emission Factor (lb/ton) 1.29E-05

Handling (times per day) 2

Control Factor (%) 61%

Excavation Area (AERMOD)		Quantity (CY)[c]	Excavation Amount per Day (CY)	Excavation Amount per Day (tons)[b]	Days of Excavation	PM10 Emissions (lbs/day)	PM10 Emissions (lbs/year)
	1	11,000	322	406	34	4.08E-03	0.14
	2	3,000	322	406	9	4.08E-03	0.04
	3	2,000	322	406	6	4.08E-03	0.03
	4	44,000	322	406	137	4.08E-03	0.56
Total		60,000					

[a] U.S. Environmental Protection Agency, AP-42, Fifth Edition, Volume I Chapter 13: Miscellaneous Sources, Equation 13.2.4, November 2006

[b] Based on CalEEMod Default of 1.26 tons/CY

[c] Memo Estimated Volume of Impacted Soil and Constituents of Potentail Concern. Geosyntec Memo, March 13, 2023. Appendix C2 of this HRA.

Television City

Metal Emissions from Soil Excavation

Metals[a]

Excavation Area	Location	Depth (ft bgs)	Date Collected	Units	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
1	GW-3	2.5	10/22/2018	mg/kg	<0.777	<0.777	128	0.859	<0.518	20.2	12.7	12	23.6	<0.0862	<0.259	22.9	<0.777	<0.259	<0.777	34.3	26.2
		12	10/22/2018	mg/kg	<0.743	0.831	586	0.678	<0.495	30.4	29.5	13.9	35.2	<0.0877	0.931	43.1	<0.743	<0.248	<0.743	49.7	33.6
		25	10/22/2018	mg/kg	<0.739	2.62	56.5	0.825	<0.493	28.8	9.45	15.1	26.7	<0.0820	<0.246	24.1	<0.739	<0.246	<0.739	44.1	33.7
3	GW-9	1	5/21/2020	mg/kg	<0.785	2.28	95.6	95.6	<0.524	33.0	13.6	20.7	1.63	<0.0806	<0.262 L	29.5	<0.785 L	<0.262	<0.785	40.4	47.0
		5	5/21/2020	mg/kg	<0.761	5.29	75.3	0.43	<0.508	23.4	7.43	6.89	<0.508	<0.0847	<0.761 L	12	<0.761 L	<0.254 L	<0.761	40.7	23.5
4A	GW-5	1	5/20/2020	mg/kg	<0.773	4.58	117	0.542	<0.515	18.8	7.82	13.0	14.8	<0.0862	<0.258 L	14.6	<0.773 L	<0.258	<0.773	33.7	41.4
		5	5/20/2020	mg/kg	0.791	7.88	163	0.44	<0.508	21.4	6.75	8.85	0.617	<0.0847	<0.254 L	11.8	<0.761 L	<0.254	<0.761	32.3	20.0
		20	5/20/2020	mg/kg	1.04	6.20	22.9	0.459	<0.485	10.2	7.89	5.11	2.48	<0.0794	9.29	12.6	<0.728 L	<0.243 L	<0.728	41.1	16.4
4B	GW-6	1	5/22/2020	mg/kg	<0.746	6.8	86.0	0.309	<0.498	12.6	4.97	9.43	9.0	<0.0833	<0.249	11.2	<0.746	<0.249	<0.746	25.5	28.1
		5	5/22/2020	mg/kg	<0.728	4.41	118	0.582	<0.485	21	6.53	15.4	0.627	<0.0877	<0.243	14.9	<0.728 L	<0.243	<0.728	30.2	24.6
		20	5/22/2020	mg/kg	1.57	<0.765	85.6	0.597	<0.510	20.8	7.64	13.8	1.28	<0.0862	<0.255	15.7	<0.765 L	<0.255	<0.765	28.9	30.1
5	GW-15	1	5/26/2020	mg/kg	1.22	11.2	111	0.385	<0.498	20.0	8.36	6.66	0.715	<0.0806	<0.249 L	11.8	<0.746 L	0.250	<0.746	27.9	20.8
		5	5/26/2020	mg/kg	<0.728 L	5.59	126	0.849	<0.485	37	10.4	12.8	<0.485	<0.0820	<0.243 L	21.1	<0.728 L	<0.243	<0.728	66.2	38.8
6	GW-13	1	5/26/2020	mg/kg	<0.714	4.27	137	0.439	<0.476	15.6	7.11	15.6	6.97	0.151	0.397	18.2	<0.714 L	0.725	<0.714	30.3	48.3
		5	5/26/2020	mg/kg	0.921	3.65	133	0.605	18.7	11.8	15.9	447	18.2	<0.0847	<0.251	18.2	<0.754 L	0.304	<0.754	34.9	125
6	GW-14	1	5/26/2020	mg/kg	<0.769	33.2	90	0.477	<0.513	13.3	6.28	9.75	65.9	<0.0820	<0.256	8.08	<0.769	<0.256	<0.769	25.2	31.8
		5	5/26/2020	mg/kg	1.21	1.6	82.1	0.707	<0.521	17.2	10.3	6.42	1.69	<0.794	2.12	11.1	<0.781 L	0.314	<0.781	38.1	26.2

[a] Refer to Appendix C2 of this Health Risk Assessment

Max Concentration by Excavation Area (mg/kg)

Excavation Area	AERMOD Excavation Area																	
1	4	0.777	0.777	586	1	0.518	30	30	15	35	0.0877	1	43	0.777	0.259	0.777	50	34
3	4	0.785	5.29	95.60	95.60	0.524	33.00	13.60	20.70	1.63	0.0847	0.761	29.50	0.761	0.262	0.785	40.70	47.00
4A	2	1.04	7.88	163	0.542	0.515	21.4	7.89	13	14.8	0.0862	9.29	14.6	0.773	0.258	0.773	41.1	41.4
4B	2	1.57	6.8	118	0.597	0.51	21	7.64	15.4	9	0.0862	0.249	15.7	0.765	0.249	0.765	30.2	30.1
5	3	1.22	11.20	126.00	0.85	0.498	37.00	10.40	12.80	0.72	0.082	0.249	21.10	0.728	0.25	0.746	66.20	38.80
6	1	1.21	33.2	137	0.707	18.7	17.2	15.9	447	65.9	0.151	2.12	18.2	0.781	0.725	0.781	38.1	125

Max Concentration by Area (AERMOD) (mg/kg)

AERMOD Excavation Area																	
1	1.21	33.2	137	0.707	18.7	17.2	15.9	447	65.9	0.151	2.12	18.2	0.781	0.725	0.781	38.1	125
2	1.57	7.88	163	0.597	0.515	21.4	7.89	15.4	14.8	0.0862	9.29	15.7	0.773	0.258	0.773	41.1	41.4
3	1.22	11.20	126	0.85	0.50	37.00	10.40	12.80	0.72	0.08	0.25	21.10	0.73	0.25	0.75	66.20	38.80
4	0.785	5.29	586	95.6	0.524	33	29.5	20.7	35.2	0.0877	0.931	43.1	0.777	0.262	0.785	49.7	47

Television City

Metal Emissions from Soil Excavation

Metals[a]

Emission Rates by Area (AERMOD) (lbs/hr)

AERMOD Excavation Area	PM10 Emissions (lbs/day)	PM10 Emissions (lbs/hr)	7440360	7440382	7440393	7440417	7440439	7440473	7440484	7440508	7439921	7439976	#N/A	7440020	7782492	7440224	7440280	7440622	7440666
1	4.08E-03	5.10E-04	6.17E-10	1.69E-08	6.98E-08	3.60E-10	9.53E-09	8.77E-09	8.10E-09	2.28E-07	3.36E-08	7.70E-11	1.08E-09	9.28E-09	3.98E-10	3.70E-10	3.98E-10	1.94E-08	6.37E-08
2	4.08E-03	5.10E-04	8.00E-10	0.00E+00	8.31E-08	3.04E-10	2.62E-10	1.09E-08	4.02E-09	7.85E-09	7.54E-09	4.39E-11	4.73E-09	8.00E-09	3.94E-10	1.31E-10	3.94E-10	2.09E-08	2.11E-08
3	4.08E-03	5.10E-04	6.22E-10	0.00E+00	6.42E-08	4.33E-10	2.54E-10	1.89E-08	5.30E-09	6.52E-09	3.64E-10	4.18E-11	1.27E-10	1.08E-08	3.71E-10	1.27E-10	3.80E-10	3.37E-08	1.98E-08
4	4.08E-03	5.10E-04	4.00E-10	0.00E+00	2.99E-07	4.87E-08	2.67E-10	1.68E-08	1.50E-08	1.06E-08	1.79E-08	4.47E-11	4.75E-10	2.20E-08	3.96E-10	1.34E-10	4.00E-10	2.53E-08	2.40E-08

Emission Rates by Area (AERMOD) (lbs/year)

AERMOD Excavation Area	PM10 Emissions (lbs/yr)	7440360	7440382	7440393	7440417	7440439	7440473	7440484	7440508	7439921	7439976	#N/A	7440020	7782492	7440224	7440280	7440622	7440666
1	1.39E-01	1.69E-07	4.62E-06	1.91E-05	9.85E-08	2.60E-06	2.40E-06	2.21E-06	6.23E-05	9.18E-06	2.10E-08	2.95E-07	2.54E-06	1.09E-07	1.01E-07	1.09E-07	5.31E-06	1.74E-05
2	3.80E-02	5.96E-08	2.99E-07	6.19E-06	2.27E-08	1.96E-08	8.13E-07	3.00E-07	5.85E-07	5.62E-07	3.27E-09	3.53E-07	5.96E-07	2.94E-08	9.80E-09	2.94E-08	1.56E-06	1.57E-06
3	2.53E-02	3.09E-08	2.84E-07	3.19E-06	2.15E-08	1.26E-08	9.37E-07	2.63E-07	3.24E-07	1.81E-08	2.08E-09	6.31E-09	5.34E-07	1.84E-08	6.33E-09	1.89E-08	1.68E-06	9.83E-07
4	5.57E-01	4.37E-07	2.95E-06	3.26E-04	5.33E-05	2.92E-07	1.84E-05	1.64E-05	1.15E-05	1.96E-05	4.89E-08	5.19E-07	2.40E-05	4.33E-07	1.46E-07	4.37E-07	2.77E-05	2.62E-05

Television City

Construction Truck Trip Calculations

CalEEMod Inputs

Phase Name	Worker Trip Number (daily)	Vendor Trip Number (daily)	Hauling Trip Number (total)	Start Date	End Date	Num Days	Total Trucks[b]	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	100	80	0	10/1/2023	12/31/2023	65	1,128	HHDT	HHDT
Excavation/Foundations	490	640	8572	10/16/2023	6/30/2024	185	63,925	HHDT	HHDT
Mat Foundation	100	1000	0	7/1/2024	7/7/2024	5	2,500	HHDT	HHDT
Structure/Enclosure	1350	100	0	7/8/2024	5/31/2025	235	1,525	HDT_Mix	HHDT
Architectural Coating/Finishing	1940	60	0	4/1/2025	5/31/2026	304	18,240	HDT_Mix	HHDT
Paving/Landscape	0	10	0	5/1/2026	5/31/2026	21	210	HDT_Mix	HHDT
Total[a]	**1,004,660**						**87,528**		

[a] Total is the product of daily worker trips multiplied by number of days

[b] Excavation total is based on 822,000 cubic yards of soil handling and 14 cubic yard trucks

Construction Trips by Year

	Peak Activity	Total Project Duration
Start Date	1/1/2024	
End Date	12/31/2025	
Duration (Years)	2	

Work Days

Demolition		65
Excavation/Foundations	130	185
Mat Foundation	5	5
Structure/Enclosure	235	235
Architectural Coating/Finishing	197	304
Paving/Landscape		21

Percent Split

		Total Truck Trips
Demolition	0%	1,128
Excavation/Foundations	70%	63,925
Mat Foundation	100%	2,500
Structure/Enclosure	100%	1,525
Architectural Coating/Finishing	65%	18,240
Paving/Landscape	0%	210
		87,528

Truck Trips

Demolition	0
Excavation/Foundations	44,920
Mat Foundation	2,500
Structure/Enclosure	1,525
Architectural Coating/Finishing	11,820
Paving/Landscape	0
Total	60,765
Annual Trips[c]	30,383

Worker Trips

Demolition	0
Excavation/Foundations	63,700
Mat Foundation	500
Structure/Enclosure	317,250
Architectural Coating/Finishing	382,180
Paving/Landscape	0
Total	763,630
Annual Trips[c]	381,815

[c] Assumes that total trips would occur over 2 years. Annual trips would be total trips divided by 2

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: Air Basin
Region: South Coast
Calendar Year: 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, tons/day for Emissions, 1000 gallons/day for Fuel Consumption, mph for Speed, kWh/day for Energy Consumptior

Construction Year **2023** **2010 AND NEWER ONLY**
Truck Model Year **2010+**
Fuel Type **Diesel**

Totals	12,806		0.1	0.0	0.0	39.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0		3.5		0.0	
g/mi			7.36	0.01	0.01	2761.02	0.00	0.44	0.07	0.08	0.76	0.03	0.22	0.14		0.05		246.64		0.00	

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Total VMT	CVMT	EVMT	NOx	PM2.5	PM10	CO2	CH4	N2O	ROG	TOG	CO	SOX	NH3	PM10_PMBW	PM2.5_PMBW	Fuel Consumption	Energy Consumption
South Coast	2023	HHDT	2010	10	Diesel	5.3	5.3	0	7.1E-05	1.6E-07	1.7E-07	2.2E-02	2.2E-07	3.5E-06	4.7E-06	5.3E-06	1.3E-05	2.1E-07	2.2E-07	8.7E-07	3.0E-07	2.0E-03	0.0E+00
South Coast	2023	HHDT	2011	10	Diesel	256.7	256.7	0	3.2E-03	5.9E-06	6.2E-06	9.4E-01	6.4E-06	1.5E-04	1.4E-04	1.6E-04	6.7E-04	8.9E-06	6.2E-05	3.9E-05	1.4E-05	8.4E-02	0.0E+00
South Coast	2023	HHDT	2012	10	Diesel	742.6	742.6	0	8.2E-03	8.1E-06	8.5E-06	2.8E+00	3.5E-06	4.4E-04	7.4E-05	8.5E-05	1.2E-03	2.6E-05	1.8E-04	1.1E-04	3.9E-05	2.5E-01	0.0E+00
South Coast	2023	HHDT	2013	10	Diesel	815.1	815.1	0	8.9E-03	8.6E-06	9.0E-06	2.9E+00	3.7E-06	4.5E-04	8.0E-05	9.1E-05	1.3E-03	2.7E-05	2.0E-04	1.2E-04	4.3E-05	2.6E-01	0.0E+00
South Coast	2023	HHDT	2014	10	Diesel	1038.0	1038.0	0	8.7E-03	1.1E-05	1.1E-05	3.3E+00	3.4E-06	5.2E-04	7.3E-05	8.4E-05	9.6E-04	3.2E-05	2.5E-04	1.6E-04	5.5E-05	3.0E-01	0.0E+00
South Coast	2023	HHDT	2015	10	Diesel	1453.3	1453.3	0	1.2E-02	1.5E-05	1.6E-05	4.7E+00	4.7E-06	7.3E-04	1.0E-04	1.2E-04	1.3E-03	4.4E-05	3.5E-04	2.2E-04	7.7E-05	4.2E-01	0.0E+00
South Coast	2023	HHDT	2016	10	Diesel	1502.7	1502.7	0	1.3E-02	1.6E-05	1.6E-05	4.8E+00	4.9E-06	7.6E-04	1.1E-04	1.2E-04	1.4E-03	4.6E-05	3.6E-04	2.3E-04	8.0E-05	4.3E-01	0.0E+00
South Coast	2023	HHDT	2017	10	Diesel	955.8	955.8	0	7.7E-03	8.6E-06	9.0E-06	2.9E+00	2.8E-06	4.6E-04	6.0E-05	6.8E-05	5.6E-04	2.8E-05	2.3E-04	1.4E-04	5.1E-05	2.6E-01	0.0E+00
South Coast	2023	HHDT	2018	10	Diesel	763.3	763.3	0	6.2E-03	7.0E-06	7.3E-06	2.3E+00	2.2E-06	3.6E-04	4.8E-05	5.5E-05	4.5E-04	2.1E-05	1.9E-04	1.2E-04	4.0E-05	2.0E-01	0.0E+00
South Coast	2023	HHDT	2019	10	Diesel	1145.5	1145.5	0	8.9E-03	9.6E-06	1.0E-05	3.4E+00	3.2E-06	5.4E-04	6.9E-05	7.8E-05	6.5E-04	3.2E-05	2.8E-04	1.7E-04	6.1E-05	3.0E-01	0.0E+00
South Coast	2023	HHDT	2020	10	Diesel	1120.0	1120.0	0	8.3E-03	8.8E-06	9.2E-06	3.3E+00	3.0E-06	5.2E-04	6.5E-05	7.4E-05	6.1E-04	3.1E-05	2.7E-04	1.7E-04	5.9E-05	3.0E-01	0.0E+00
South Coast	2023	HHDT	2021	10	Diesel	1024.3	1024.3	0	7.2E-03	7.3E-06	7.6E-06	2.6E+00	2.6E-06	4.1E-04	5.7E-05	6.5E-05	5.3E-04	2.5E-05	2.5E-04	1.5E-04	5.4E-05	2.3E-01	0.0E+00
South Coast	2023	HHDT	2022	10	Diesel	1029.7	1029.7	0	6.6E-03	6.5E-06	6.7E-06	2.6E+00	2.5E-06	4.1E-04	5.4E-05	6.1E-05	5.1E-04	2.5E-05	2.5E-04	1.6E-04	5.4E-05	2.3E-01	0.0E+00
South Coast	2023	HHDT	2023	10	Diesel	768.8	768.8	0	4.3E-03	4.1E-06	4.3E-06	2.0E+00	1.8E-06	3.1E-04	3.8E-05	4.3E-05	3.6E-04	1.9E-05	1.9E-04	1.2E-04	4.1E-05	1.8E-01	0.0E+00
South Coast	2023	HHDT	2024	10	Diesel	184.9	184.9	0	8.1E-04	8.4E-07	8.7E-07	4.4E-01	4.0E-07	6.9E-05	8.5E-06	9.7E-06	8.0E-05	4.2E-06	4.5E-05	2.8E-05	9.8E-06	3.9E-02	0.0E+00

Summary	TOG	CO	NOx	PM10	PM2_5	SOx	CO2
Year 2023	7.9E-02	7.6E-01	7.4E+00	8.7E-03	8.3E-03	2.6E-02	2.8E+03

Calendar Year: 2023
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, tons/day for Emissions, 1000 gallons/day for Fuel Consumption, mph for Speed, kWh/day for Energy Consumption

Construction Year **2023**

					Totals	2,222,093		0.2	0.0	0.0	1,471.0	0.0	0.0	0.1	0.2	4.0	0.0	0.1	0.0	0.0
					g/mi			0.10	0.01	0.00	600.48	0.01	0.01	0.06	0.08	1.62	0.01	0.03	0.01	0.00
Region	**Calendar Year**	**Vehicle Category**	**Model Year**	**Speed**	**Fuel**	**Total VMT**	**CVMT**	**EVMT**	**NOx**	**PM2.5**	**PM10**	**CO2**	**CH4**	**N2O**	**ROG**	**TOG**	**CO**	**SOX**	**NH3**	**PM10_PMBW**	**PM2.5_PMBW**
South Coast	2023	LDA	Aggregate	10	Gasoline	1407266.7	1407266.7	0	1.1E-01	8.6E-03	9.4E-03	8.6E+02	1.8E-02	1.2E-02	7.1E-02	1.0E-01	2.2E+00	8.5E-03	5.3E-02	1.1E-02	4.0E-03
South Coast	2023	LDA	Aggregate	10	Diesel	3086.6	3086.6	0	9.2E-04	2.4E-04	2.5E-04	1.7E+00	3.6E-05	2.7E-04	7.8E-04	8.9E-04	1.1E-02	1.6E-05	1.1E-05	2.5E-05	8.9E-06
South Coast	2023	LDA	Aggregate	10	Electricity	453799.3	0.0	5E+05	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	1.2E-03	4.1E-04
South Coast	2023	LDA	Aggregate	10	Plug-in Hybric	195391.0	21343.6	2E+05	3.7E-04	1.4E-04	1.5E-04	1.4E+01	9.6E-05	6.9E-05	3.0E-04	4.4E-04	3.0E-02	1.4E-04	9.1E-04	5.1E-04	1.8E-04
South Coast	2023	LDT1	Aggregate	10	Gasoline	119859.9	119859.9	0	4.0E-02	1.2E-03	1.3E-03	8.8E+01	5.1E-03	2.7E-03	2.3E-02	3.3E-02	4.7E-01	8.7E-04	5.0E-03	1.4E-03	4.9E-04
South Coast	2023	LDT1	Aggregate	10	Diesel	26.3	26.3	0	3.3E-05	2.0E-05	2.1E-05	2.5E-02	1.2E-06	4.0E-06	2.5E-05	2.9E-05	1.0E-04	2.4E-07	9.0E-08	3.5E-07	1.2E-07
South Coast	2023	LDT1	Aggregate	10	Electricity	1549.4	0.0	1549	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	4.0E-06	1.4E-06
South Coast	2023	LDT1	Aggregate	10	Plug-in Hybric	785.8	75.4	710.3	1.3E-06	3.2E-07	3.4E-07	4.9E-02	3.4E-07	2.4E-07	1.1E-06	1.6E-06	1.1E-04	4.8E-07	3.5E-06	2.0E-06	7.1E-07
South Coast	2023	LDT2	Aggregate	10	Gasoline	665429.6	665429.6	0	9.5E-02	4.2E-03	4.6E-03	5.0E+02	1.1E-02	7.7E-03	4.4E-02	6.4E-02	1.2E+00	5.0E-03	2.7E-02	7.4E-03	2.6E-03
South Coast	2023	LDT2	Aggregate	10	Diesel	2222.5	2222.5	0	3.4E-04	3.6E-05	3.7E-05	1.6E+00	2.3E-05	2.5E-04	4.9E-04	5.6E-04	4.6E-03	1.5E-05	7.6E-06	2.4E-05	8.5E-06
South Coast	2023	LDT2	Aggregate	10	Electricity	16784.9	0.0	16785	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	4.3E-05	1.5E-05
South Coast	2023	LDT2	Aggregate	10	Plug-in Hybric	27300.7	2781.9	24519	4.8E-05	1.4E-05	1.5E-05	1.8E+00	1.3E-05	9.0E-06	3.9E-05	5.7E-05	3.9E-03	1.8E-05	1.3E-04	7.0E-05	2.5E-05

Summary	**TOG**	**CO**	**NOx**	**PM10**	**PM2_5**	**SOx**	CO2
Year 2023	8.3E-02	1.6E+00	1.0E-01	1.3E-04	5.9E-03	5.9E-03	6.0E+02

EMFAC2021 - Project Level (PL) Output
Los Angeles County - South Coast

Construction Year	2023		TOG	CO	NOx	PM10	PM2_5	SOx
		Idle Emissions (g/hr)	2.7	34.4	29.5	0.0	0.0	0.1
		Cold Start (g/start)			18.5			
		Warm Start (g/start)			0.1			

Idle Emission Rates (g/hr)

calendar_year	season_mc	sub_area	vehicle_cla	fuel	temperatu	relative_hu	process	speed_time	pollutant	emission_rate
2021	Annual	Los Angele	HHDT	Dsl			IDLEX		HC	1.878065251
2021	Annual	Los Angele	HHDT	Dsl			IDLEX		CO	31.71824547
2021	Annual	Los Angele	HHDT	Dsl			IDLEX		NOx	33.23248721
2021	Annual	Los Angele	HHDT	Dsl			IDLEX		SOx	0.057366613
2021	Annual	Los Angele	HHDT	Dsl			IDLEX		PM	0.022299135
2021	Annual	Los Angele	HHDT	Dsl			IDLEX		TOG	2.707606672
2021	Annual	Los Angele	HHDT	Dsl			IDLEX		ROG	2.378381833
2021	Annual	Los Angele	HHDT	Dsl			IDLEX		CO2	6012.977142
2021	Annual	Los Angele	HHDT	Dsl			IDLEX		CH4	0.110469676
2021	Annual	Los Angele	HHDT	Dsl			IDLEX		PM10	0.022165341
2021	Annual	Los Angele	HHDT	Dsl			IDLEX		PM2_5	0.021206478
2022	Annual	Los Angele	HHDT	Dsl			IDLEX		HC	1.871852779
2022	Annual	Los Angele	HHDT	Dsl			IDLEX		CO	32.29138187
2022	Annual	Los Angele	HHDT	Dsl			IDLEX		NOx	32.16791672
2022	Annual	Los Angele	HHDT	Dsl			IDLEX		SOx	0.056148725
2022	Annual	Los Angele	HHDT	Dsl			IDLEX		PM	0.019063159
2022	Annual	Los Angele	HHDT	Dsl			IDLEX		TOG	2.698650152
2022	Annual	Los Angele	HHDT	Dsl			IDLEX		ROG	2.370514359
2022	Annual	Los Angele	HHDT	Dsl			IDLEX		CO2	5885.322183
2022	Annual	Los Angele	HHDT	Dsl			IDLEX		CH4	0.110104252
2022	Annual	Los Angele	HHDT	Dsl			IDLEX		PM10	0.01894878
2022	Annual	Los Angele	HHDT	Dsl			IDLEX		PM2_5	0.018129064
2023	Annual	Los Angele	HHDT	Dsl			IDLEX		HC	1.87042469
2023	Annual	Los Angele	HHDT	Dsl			IDLEX		CO	34.37638574
2023	Annual	Los Angele	HHDT	Dsl			IDLEX		NOx	29.46575102
2023	Annual	Los Angele	HHDT	Dsl			IDLEX		SOx	0.053715021
2023	Annual	Los Angele	HHDT	Dsl			IDLEX		PM	0.017149315
2023	Annual	Los Angele	HHDT	Dsl			IDLEX		TOG	2.696591275
2023	Annual	Los Angele	HHDT	Dsl			IDLEX		ROG	2.368705827
2023	Annual	Los Angele	HHDT	Dsl			IDLEX		CO2	5630.229407
2023	Annual	Los Angele	HHDT	Dsl			IDLEX		CH4	0.110020251
2023	Annual	Los Angele	HHDT	Dsl			IDLEX		PM10	0.017046419
2023	Annual	Los Angele	HHDT	Dsl			IDLEX		PM2_5	0.016308999
2024	Annual	Los Angele	HHDT	Dsl			IDLEX		HC	1.869741699
2024	Annual	Los Angele	HHDT	Dsl			IDLEX		CO	34.44921949
2024	Annual	Los Angele	HHDT	Dsl			IDLEX		NOx	29.04218904
2024	Annual	Los Angele	HHDT	Dsl			IDLEX		SOx	0.052835847
2024	Annual	Los Angele	HHDT	Dsl			IDLEX		PM	0.016166697
2024	Annual	Los Angele	HHDT	Dsl			IDLEX		TOG	2.695606607
2024	Annual	Los Angele	HHDT	Dsl			IDLEX		ROG	2.367840888
2024	Annual	Los Angele	HHDT	Dsl			IDLEX		CO2	5538.077324
2024	Annual	Los Angele	HHDT	Dsl			IDLEX		CH4	0.109980076
2024	Annual	Los Angele	HHDT	Dsl			IDLEX		PM10	0.016069697
2024	Annual	Los Angele	HHDT	Dsl			IDLEX		PM2_5	0.015374529
2025	Annual	Los Angele	HHDT	Dsl			IDLEX		HC	1.86928828
2025	Annual	Los Angele	HHDT	Dsl			IDLEX		CO	34.5091758
2025	Annual	Los Angele	HHDT	Dsl			IDLEX		NOx	28.48737632
2025	Annual	Los Angele	HHDT	Dsl			IDLEX		SOx	0.051959089
2025	Annual	Los Angele	HHDT	Dsl			IDLEX		PM	0.015387609
2025	Annual	Los Angele	HHDT	Dsl			IDLEX		TOG	2.694952913
2025	Annual	Los Angele	HHDT	Dsl			IDLEX		ROG	2.367266677
2025	Annual	Los Angele	HHDT	Dsl			IDLEX		CO2	5446.178479
2025	Annual	Los Angele	HHDT	Dsl			IDLEX		CH4	0.109953406
2025	Annual	Los Angele	HHDT	Dsl			IDLEX		PM10	0.015295283

calendar_year	season_mc	sub_area	vehicle_cla	fuel	temperatu	relative_hu	process	speed_tim	pollutant	emission_rate
2025	Annual	Los Angele	HHDT	Dsl			IDLEX		PM2_5	0.014633616
2026	Annual	Los Angele	HHDT	Dsl			IDLEX		HC	1.868768251
2026	Annual	Los Angele	HHDT	Dsl			IDLEX		CO	34.56273286
2026	Annual	Los Angele	HHDT	Dsl			IDLEX		NOx	27.89060032
2026	Annual	Los Angele	HHDT	Dsl			IDLEX		SOx	0.051103441
2026	Annual	Los Angele	HHDT	Dsl			IDLEX		PM	0.014640721
2026	Annual	Los Angele	HHDT	Dsl			IDLEX		TOG	2.694203187
2026	Annual	Los Angele	HHDT	Dsl			IDLEX		ROG	2.366608113
2026	Annual	Los Angele	HHDT	Dsl			IDLEX		CO2	5356.492297
2026	Annual	Los Angele	HHDT	Dsl			IDLEX		CH4	0.109922817
2026	Annual	Los Angele	HHDT	Dsl			IDLEX		PM10	0.014552876
2026	Annual	Los Angele	HHDT	Dsl			IDLEX		PM2_5	0.013923325

Start Emission Rates (g/start)

calendar_year	season_mc	sub_area	vehicle_cla	fuel	temperatu	relative_hu	process	speed_tim	pollutant	emission_rate
2021	Annual	Los Angele	HHDT	Dsl			STREX	5	NOx	0.084850293
2021	Annual	Los Angele	HHDT	Dsl			STREX	720	NOx	15.3378187
2022	Annual	Los Angele	HHDT	Dsl			STREX	5	NOx	0.074689716
2022	Annual	Los Angele	HHDT	Dsl			STREX	720	NOx	16.28214019
2023	Annual	Los Angele	HHDT	Dsl			STREX	5	NOx	0.057423126
2023	Annual	Los Angele	HHDT	Dsl			STREX	720	NOx	18.52191972
2024	Annual	Los Angele	HHDT	Dsl			STREX	5	NOx	0.049382658
2024	Annual	Los Angele	HHDT	Dsl			STREX	720	NOx	18.54962055
2025	Annual	Los Angele	HHDT	Dsl			STREX	5	NOx	0.043126025
2025	Annual	Los Angele	HHDT	Dsl			STREX	720	NOx	18.51
2026	Annual	Los Angele	HHDT	Dsl			STREX	5	NOx	0.037834491
2026	Annual	Los Angele	HHDT	Dsl			STREX	720	NOx	18.43050887

Television City - Annual Emissions

Heavy Duty Diesel Truck Emissions Calculations

Truck Trips (Annual Emissions)			
Distance (ft)	2200		
Distance (mi)	0.4		
		TOG	PM10
Run Speed	10		
Run Emission Factors (g/mi)[1]		0.08	**0.01**
Run Emissions (lbs/year)	Trips per Year		
Peak Activity	60,765	4.39	**0.49**
Idle Time per Truck (min)	15		
Idle Emission Factors (g/hr)		2.70	**0.02**
Idle Emissions (lbs/year)	Trips per Year		
Peak Activity	60,765	90.32	**0.57**

Truck Trips (Annual Emissions) - OFFSITE		
Distance (ft)	2640	
Distance (mi)	0.5	
TOG		PM10
Run Emissions (lbs/year)		
5.27		**0.58**

Truck Trips (Daily Emissions)			
Distance (ft)	2200		
Distance (mi)	0.4		
		TOG	PM10
Run Speed	10		
Run Emission Factors (g/mi)[1]		0.08	0.01
Run Emissions (lbs/day)	Trips per Day		
Max Daily	1,000	**0.07**	0.01
Idle Time per Truck (min)	15		
Idle Emission Factors (g/hr)		2.70	0.02
Idle Emissions (lbs/day)	Trips per Day		
Max Daily	500	**0.74**	0.00

Truck Trips (Daily Emissions) - OFFSITE		
Distance (ft)	2640	
Distance (mi)	0.5	
TOG		PM10
Run Emissions (lbs/year)		
0.09		0.01

Worker Trips			
Distance (ft)	500		
Distance (mi)	0.1		
		TOG	PM10
Run Speed	10		
Run Emission Factors (g/mi)[1]		0.08	**1.3E-04**
Run Emissions (lbs/year)	Trips per Year		
Peak Activity	381,815	**6.61**	2.4E-05
Run Emissions (lbs/day)	Trips per Day		
Peak Activity	1,350	**0.02**	8.6E-08

Worker Trips (Daily Emissions) - OFFSITE		
Distance (ft)	2640	
Distance (mi)	0.5	
TOG	CO	PM10
Run Emissions (lbs/year)		
34.90	681.29	0.05
Run Emissions (lbs/day)		
0.12	2.41	0.00

Television City Health Risk Assessment

Mobile Exhaust Speciation

Diesel Truck Emissions and Speciation

	Trucks (Transient)	Trucks (Idle)	Off-Site (Transient)
Hours per Day	4	4	4
TOG Emissions (lbs/day)	7.2E-02	7.4E-01	8.7E-02
TOG Emissions (lbs/hr)	1.8E-02	1.9E-01	2.2E-02
DPM (lbs/day)	8.0E-03	4.7E-03	9.6E-03
DPM (lbs/hr)	2.0E-03	1.2E-03	2.4E-03
DPM Emissions (lbs/year)	**0.57**	**0.49**	**0.58**

Speciation Profile - 7233 2023 HEAVY-DUTY DIESEL TRUCK-transient (2016 UPDATE) and 7231 2023 HEAVY-DUTY DIESEL TRUCK-idle (2016 UPDATE)

Chemical Name	CAS No. /HARP ID	Speciation (%)	Emissions (lbs/hr)	Emissions (lbs/year)
Ammonia (used values for ammonium from speciation profiles)	7664417	0.050039	1.0E-04	0
Chlorine	7782505	0.000178	3.6E-07	0
Copper and compounds	7440508	0.000152	3.0E-07	0
Lead and compounds (inorganic) (note 4)	7439921	0.000054	1.1E-07	0
Manganese and compounds	7439965	0.000369	7.4E-07	0
Nickel and compounds (note 4) (values also apply to:)	7440020	0.00007	1.4E-07	0
Selenium and compounds (note 4)	7782492	0.000006	1.2E-08	0
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.00039	7.8E-07	0
Sulfates	9960	0.098453	2.0E-04	0
Vanadium	7440622	0.000001	2.0E-09	0
Ammonia (used values for ammonium from speciation profiles)	7664417	0.002195	2.6E-06	0
Chlorine	7782505	0.000073	8.6E-08	0
Copper and compounds	7440508	0.000031	3.6E-08	0
Lead and compounds (inorganic) (note 4)	7439921	0.000001	1.2E-09	0
Manganese and compounds	7439965	0.000001	1.2E-09	0
Mercury and compounds (inorganic) (note 4)	7439976	0.000001	1.2E-09	0
Nickel and compounds (note 4) (values also apply to:)	7440020	0.000023	2.7E-08	0
Selenium and compounds (note 4)	7782492	0.000002	2.3E-09	0
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.00016	1.9E-07	0
Sulfates	9960	0.026263	3.1E-05	0
Vanadium	7440622	0.000003	3.5E-09	0
Acetaldehyde	75070	0.07353	1.5E-02	0
Benzene	71432	0.02000998	4.1E-03	0
Butadiene, 1,3-	106990	0.0019	3.9E-04	0
Ethyl benzene	100414	0.00305	6.2E-04	0
Formaldehyde	50000	0.14714	3.0E-02	0
Hexane, n-	110543	0.00157	3.2E-04	0
Methanol (methyl alcohol)	67561	0.0003	6.1E-05	0
Methyl ethyl ketone (MEK) (2-butanone)	78933	0.01477	3.0E-03	0
Naphthalene	91203	0.00085	1.7E-04	0
Propylene (propene)	115071	0.02597	5.3E-03	0
Styrene	100425	0.00058	1.2E-04	0
Toluene	108883	0.01473	3.0E-03	0
Xylenes (mixed isomers)	1330207	0.01041	2.1E-03	0
Diesel engine exhaust, particulate matter (Diesel PM)	9901		0	1.06
Ammonia (used values for ammonium from speciation profiles)	7664417	0.050039	1.2E-04	0
Chlorine	7782505	0.000178	4.3E-07	0
Copper and compounds	7440508	0.000152	3.6E-07	0
Lead and compounds (inorganic) (note 4)	7439921	0.000054	1.3E-07	0
Manganese and compounds	7439965	0.000369	8.8E-07	0

Chemical Name	CAS No. /HARP ID	Speciation (%)	Emissions (lbs/hr)	Emissions (lbs/year)
Nickel and compounds (note 4) (values also apply to:)	7440020	0.00007	1.7E-07	0
Selenium and compounds (note 4)	7782492	0.000006	1.4E-08	0
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.00039	9.3E-07	0
Sulfates	9960	0.098453	2.4E-04	0
Vanadium	7440622	0.000001	2.4E-09	0
Diesel engine exhaust, particulate matter (Diesel PM)	9901		0	0.58
Acetaldehyde	75070	0.07353	1.6E-03	0
Benzene	71432	0.02000998	4.3E-04	0
Butadiene, 1,3-	106990	0.0019	4.1E-05	0
Ethyl benzene	100414	0.00305	6.6E-05	0
Formaldehyde	50000	0.14714	3.2E-03	0
Hexane, n-	110543	0.00157	3.4E-05	0
Methanol (methyl alcohol)	67561	0.0003	6.5E-06	0
Methyl ethyl ketone (MEK) (2-butanone)	78933	0.01477	3.2E-04	0
Naphthalene	91203	0.00085	1.8E-05	0
Propylene (propene)	115071	0.02597	5.6E-04	0
Styrene	100425	0.00058	1.3E-05	0
Toluene	108883	0.01473	3.2E-04	0
Xylenes (mixed isomers)	1330207	0.01041	2.3E-04	0
Ammonia (used values for ammonium from speciation profiles)	7664417	0.050039	1.2E-04	0
Chlorine	7782505	0.000178	4.3E-07	0
Copper and compounds	7440508	0.000152	3.6E-07	0
Lead and compounds (inorganic) (note 4)	7439921	0.000054	1.3E-07	0
Manganese and compounds	7439965	0.000369	8.8E-07	0
Nickel and compounds (note 4) (values also apply to:)	7440020	0.00007	1.7E-07	0
Selenium and compounds (note 4)	7782492	0.000006	1.4E-08	0
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.00039	9.3E-07	0
Sulfates	9960	0.098453	2.4E-04	0
Vanadium	7440622	0.000001	2.4E-09	0
Diesel engine exhaust, particulate matter (Diesel PM)	9901		0	0.58
Acetaldehyde	75070	0.07353	1.6E-03	0
Benzene	71432	0.02000998	4.3E-04	0
Butadiene, 1,3-	106990	0.0019	4.1E-05	0
Ethyl benzene	100414	0.00305	6.6E-05	0
Formaldehyde	50000	0.14714	3.2E-03	0
Hexane, n-	110543	0.00157	3.4E-05	0
Methanol (methyl alcohol)	67561	0.0003	6.5E-06	0
Methyl ethyl ketone (MEK) (2-butanone)	78933	0.01477	3.2E-04	0
Naphthalene	91203	0.00085	1.8E-05	0
Propylene (propene)	115071	0.02597	5.6E-04	0
Styrene	100425	0.00058	1.3E-05	0
Toluene	108883	0.01473	3.2E-04	0
Xylenes (mixed isomers)	1330207	0.01041	2.3E-04	0

Employee Trips

	Employee Trips	Off-Site Employee
Hours per Day	2	2
TOG Emissions (lbs/day)	0.03	0.50
TOG Emissions (lbs/hr)	0.01	0.25
TOG Emissions (lbs/year)	**6.61**	**34.90**
PM Emissions (lbs/day)	**9.4E-08**	**2.1E-04**
PM Emissions (lbs/hr)	**4.7E-08**	**1.0E-04**
PM Emissions (lbs/year)	**2.4E-05**	**5.3E-02**

Chemical Name	CAS No. /HARP ID	Speciation (%)	Emissions (lbs/hr)	Emissions (lbs/year)
Speciation Profile - 4001 (Gasoline Exhaust w/Catalytic Converter)				
Chemical Name	**CAS No. /HARP ID**	**Speciation (%)**	**Emissions (lbs/hr)**	**Emissions (lbs/year)**
Arsenic and compounds (inorganic) (note 4)	7440382	0.000012	5.6E-13	2.9E-10
Cadmium and compounds (note 4)	7440439	0.000043	2.0E-12	1.0E-09
Chlorine	7782505	0.000719	3.4E-11	1.7E-08
Cobalt	7440484	0.000021	9.9E-13	5.1E-10
Copper and compounds	7440508	0.000689	3.2E-11	1.7E-08
Lead and compounds (inorganic) (note 4)	7439921	0.000434	2.0E-11	1.1E-08
Manganese and compounds	7439965	0.00011	5.2E-12	2.7E-09
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.000013	6.1E-13	3.2E-10
Acetaldehyde	75070	0.00900112	1.2E-04	2.2E-07
Acrolein	107028	0.00001418	1.8E-07	3.4E-10
Benzene	71432	0.03890986	5.0E-04	9.4E-07
Butadiene, 1,3-	106990	0.00242726	3.1E-05	5.9E-08
Ethyl benzene	100414	0.01119104	1.4E-04	2.7E-07
Formaldehyde	50000	0.02148524	2.8E-04	5.2E-07
Hexane, n-	110543	0.00777615	1.0E-04	1.9E-07
Methanol (methyl alcohol)	67561	0.0002046	2.6E-06	5.0E-09
Methyl ethyl ketone (MEK) (2-butanone)	78933	0.0015066	1.9E-05	3.7E-08
Methyl tertiary-butyl ether (MTBE)	1634044	0.00467993	6.0E-05	1.1E-07
Naphthalene	91203	0.00368544	4.7E-05	8.9E-08
Propylene (propene)	115071	0.02197042	2.8E-04	5.3E-07
Styrene	100425	0.00218529	2.8E-05	5.3E-08
Toluene	108883	0.04754084	6.1E-04	1.2E-06
Xylenes (mixed isomers)	1330207	0.05073775	6.5E-04	1.2E-06
Arsenic and compounds (inorganic) (note 4)	7440382	0.000012	1.2E-09	6.4E-07
Cadmium and compounds (note 4)	7440439	0.000043	4.4E-09	2.3E-06
Chlorine	7782505	0.000719	7.4E-08	3.8E-05
Cobalt	7440484	0.000021	2.2E-09	1.1E-06
Copper and compounds	7440508	0.000689	7.1E-08	3.7E-05
Lead and compounds (inorganic) (note 4)	7439921	0.000434	4.5E-08	2.3E-05
Manganese and compounds	7439965	0.00011	1.1E-08	5.9E-06
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.000013	1.3E-09	6.9E-07
Acetaldehyde	75070	0.00900112	2.3E-03	4.8E-04
Acrolein	107028	0.00001418	3.5E-06	7.6E-07
Benzene	71432	0.03890986	9.7E-03	2.1E-03
Butadiene, 1,3-	106990	0.00242726	6.1E-04	1.3E-04
Ethyl benzene	100414	0.01119104	2.8E-03	6.0E-04
Formaldehyde	50000	0.02148524	5.4E-03	1.1E-03
Hexane, n-	110543	0.00777615	1.9E-03	4.1E-04
Methanol (methyl alcohol)	67561	0.0002046	5.1E-05	1.1E-05
Methyl ethyl ketone (MEK) (2-butanone)	78933	0.0015066	3.8E-04	8.0E-05
Methyl tertiary-butyl ether (MTBE)	1634044	0.00467993	1.2E-03	2.5E-04
Naphthalene	91203	0.00368544	9.2E-04	2.0E-04
Propylene (propene)	115071	0.02197042	5.5E-03	1.2E-03
Styrene	100425	0.00218529	5.5E-04	1.2E-04
Toluene	108883	0.04754084	1.2E-02	2.5E-03
Xylenes (mixed isomers)	1330207	0.05073775	1.3E-02	2.7E-03
Arsenic and compounds (inorganic) (note 4)	7440382	0.000012	1.2E-09	6.4E-07
Cadmium and compounds (note 4)	7440439	0.000043	4.4E-09	2.3E-06
Chlorine	7782505	0.000719	7.4E-08	3.8E-05
Cobalt	7440484	0.000021	2.2E-09	1.1E-06
Copper and compounds	7440508	0.000689	7.1E-08	3.7E-05
Lead and compounds (inorganic) (note 4)	7439921	0.000434	4.5E-08	2.3E-05
Manganese and compounds	7439965	0.00011	1.1E-08	5.9E-06
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.000013	1.3E-09	6.9E-07
Acetaldehyde	75070	0.00900112	2.3E-03	4.8E-04

Chemical Name	**CAS No. /HARP ID**	**Speciation (%)**	**Emissions (lbs/hr)**	**Emissions (lbs/year)**
Acrolein	107028	0.00001418	3.5E-06	7.6E-07
Benzene	71432	0.03890986	9.7E-03	2.1E-03
Butadiene, 1,3-	106990	0.00242726	6.1E-04	1.3E-04
Ethyl benzene	100414	0.01119104	2.8E-03	6.0E-04
Formaldehyde	50000	0.02148524	5.4E-03	1.1E-03
Hexane, n-	110543	0.00777615	1.9E-03	4.1E-04
Methanol (methyl alcohol)	67561	0.0002046	5.1E-05	1.1E-05
Methyl ethyl ketone (MEK) (2-butanone)	78933	0.0015066	3.8E-04	8.0E-05
Methyl tertiary-butyl ether (MTBE)	1634044	0.00467993	1.2E-03	2.5E-04
Naphthalene	91203	0.00368544	9.2E-04	2.0E-04
Propylene (propene)	115071	0.02197042	5.5E-03	1.2E-03
Styrene	100425	0.00218529	5.5E-04	1.2E-04
Toluene	108883	0.04754084	1.2E-02	2.5E-03
Xylenes (mixed isomers)	1330207	0.05073775	1.3E-02	2.7E-03

Appendix C2



Geosyntec, TAC Emissions Related to Excavation of Potentially Contaminated Soils and Groundwater Dewatering Activities

Geosyntec consultants

March 13, 2023

To: **Eyestone Environmental**

From: **Andy Simons and Rich Kraft – Geosyntec Consultants**

Subject: **Estimated Volume of Impacted Soil and Constituents of Potential Concern in Response to Comments on the Draft EIR**

Data Need: Geosyntec has been asked to provide estimated volumes of impacted soil above regulatory screening levels for constituents of potential concern (COPCs) for the excavation areas shown in Figure 3 of the Soil Management Plan (Appendix G of the DEIR) in support of the quantitative human health risk evaluation.

The attached Table 1 provides the estimated volumes of impacted soil and COPCs for the excavation areas presented in Figure 3. The notes provide information on the estimates and assumptions.

Limitations: The preliminary estimates provided in this document were prepared in accordance with generally accepted professional engineering and hydrogeologic practice. It is anticipated additional Site soil and hydrogeologic characterization and testing will be performed that may require future revisions to these estimates. The conclusions contained in this document are based solely on the analysis of the conditions as observed by Geosyntec personnel and as reported by other named sources at the time the work was performed.

No warranty, expressed or implied, is made regarding the professional opinions expressed in this document or concerning the completeness of the data presented to us. If actual conditions are found to differ from those described in this document or if new information regarding the Site is obtained, Geosyntec should be notified and additional recommendations, if required, will be provided. This Report was prepared for Television City Studios, LLC.

Table 1
Summary of Estimated Volumes of Impacted Soil
Television City Studios

Geosyntec consultants

Excavation Area [a]	Estimated Volume of Impacted Soil (cubic yards) [b]	Constituents of Potential Concern [c]	Max Concentration [d]	Units	Media [e] (soil or gw)	Screening Level	Units	Screening Level Source	Corresponding Sample Location	Groundwater Concentration Converted to Estimated Soil Concentration [e]	Units
1	2,000	TPH DRO	140	mg/kg	soil	100	mg/kg	1	GW-3	N/A	--
2	0	--	--	--	--	--	--	--	--	N/A	--
3	42,000	Benzene	140	ug/L	gw	1	ug/L	3	DP-1	0.072	mg/kg
4A	1,000	TPH DRO	190	mg/kg	soil	100	mg/kg	1	GW-5	N/A	--
4B	2,000	TPH DRO	350	mg/kg	soil	100	mg/kg	1	GW-6	N/A	--
		TPH ORO	2,100	mg/kg	soil	1,000	mg/kg	1	GW-6	N/A	--
5	2,000	Benzene	150	ug/L	gw	1	ug/L	3	DP-4	0.077	mg/kg
6	11,000	TPH ORO	5,500	mg/kg	soil	1,000	mg/kg	1	GW-13	N/A	--
		Arsenic	33	mg/kg	soil	12	mg/kg	2	GW-14	N/A	--
		cis-1,2-Dichloroethene	6.4	ug/L	gw	6	ug/L	3	B-1	0.002	mg/kg
		Trichloroethene	12	ug/L	gw	5	ug/L	3	B-1	0.004	mg/kg

Notes:

a - Excavation Areas shown in Figure 3 of the Soil Management Plan [Geosyntec, 2021], Appendix G.1 of the DEIR.

b - Volume estimates are based on the excavation areas and depths provided in Note a, plus estimates of the vertical and lateral extent of chemical impacts and concentrations from the sampling results the proposed excavation areas.

c - Constituents of potential concern (COPC) are identified as chemicals in soil or groundwater that exceeded their respective commercial/industrial screening level as documented in the Site Summary Report [Geosyntec, 2021], Appendix G of the DEIR. The maximum detected concentration of chemicals detected in soil at the site will be used to represent the soil concentration within each excavation area. For constituents that are non-detect, use of the reporting limit shall be used as a representative concentration.

d - Site Summary Report, Geosyntec 2021, Appendix G of the DEIR.

e - In addition to estimating COPC's in soil derived directly from soil testing results, COPCs in saturated soil were also estimated by converting groundwater testing data into equivalent soil testing results. The conversion of groundwater concentrations to estimated soil concentrations was performed using an equation provided in the United States Environmental Protection Agency (USEPA) Regional Screening Levels (RSLs) User Guide [2017].

GW - groundwater

N/A - not applicable

TPH DRO - total petroleum hydrocarbons diesel range organics

TPH ORO - total petroleum hydrocarbons oil range organics

ug/L - micrograms per liter

mg/kg - milligrams per kilogram

Screening Level Sources:

1. DTSC Hero Note 3, April 2019, Noncancer commercial soil screening level

2. California Department of Toxic Substances Control, 2008. Determination of a Southern California Regional Background Concentration in Soil.

3. California State Water Resources Control Board - Division of Drinking Water (SWRCB-DDW) Primary Maximum Contaminant Levels

March 21, 2023

To: **Eyestone Environmental**

From: **Andy Simons and Rich Kraft – Geosyntec Consultants**

Subject: **Groundwater Data Summary in Response to Comments on the Draft EIR**

Data Need: Geosyntec has been asked to provide a summary of dissolved chemicals detected in groundwater at the Site in support of the quantitative human health risk evaluation. The data have been previously provided in Site Summary Report (Appendix G of the DEIR).

The attached Tables 1, 2, and 3 provide a compilation of dissolved chemicals that have been detected during various sampling and laboratory analyses activities. Additional chemicals that were tested but found to be non-detect are not listed in Table 1. The types of chemicals tested include: volatile organic compounds using USEPA method 8260; semi-volatile compounds using USEPA method 8270; petroleum hydrocarbons (gasoline, diesel, and oil range organics); and metals (various methods).

Samples were collected from 27 separate sampling locations across the Site in the years 2018, 2019, and 2020.

Limitations: The data provided in this document were collected and tested in accordance with generally accepted professional hydrogeologic and environmental practice. It is anticipated additional Site hydrogeologic characterization and groundwater quality testing will be performed that may require future revisions to these compilations and concentration estimates. The data and conclusions contained in this document are based solely on the data and conditions as observed by Geosyntec personnel at the time the work was performed.

No warranty, expressed or implied, is made regarding the professional opinions expressed in this document or concerning the completeness of the data presented to us. If actual conditions are found to differ from those described in this document or if new information regarding the Site is obtained, Geosyntec should be notified and additional recommendations, if required, will be provided. This Report was prepared for Television City Studios, LLC.

Table 1
Summary of Phase II VOCs Detected in Groundwater - Average and Maximum Concentrations
Television City Studios
Los Angeles, California

Geosyntec consultants

Location	Date Collected	Units	1,2,4-Trimethylbenzene		1,3,5-Trimethylbenzene		Benzene		Benzoic Acid		Chloroform	
			Reported Concentration	Reported Concentration and Reporting Limit (if applicable)	Reported Concentration	Reported Concentration and Reporting Limit (if applicable)	Reported Concentration	Reported Concentration and Reporting Limit (if applicable)	Reported Concentration	Reported Concentration and Reporting Limit (if applicable)	Reported Concentration	Reported Concentration and Reporting Limit (if applicable)
GW-4	5/20/2020	µg/L	<1.0	1	<1.0	1	<0.50	0.5	---		<1.0	1
GW-5	5/20/2020	µg/L	<4.0	4	<4.0	4	<2.0	2	---		<4.0	4
GW-6	5/27/2020	µg/L	<2.0	2	<2.0	2	<1.0	1	---		<2.0	2
GW-7	5/21/2020	µg/L	<2.0	2	<2.0	2	<1.0	1	---		<2.0	2
GW-8	5/22/2020	µg/L	<1.0	1	<1.0	1	<1.0	1	---		<1.0	1
GW-9	5/26/2020	µg/L	13	13	4.6	4.6	0.97	0.97	---		<1.0	1
GW-10	5/21/2020	µg/L	<20	20	<20	20	<10	10	---		36	36
GW-11	5/22/2020	µg/L	<1.0	1	<1.0	1	<0.50	0.5	---		<1.0	1
GW-12	5/27/2020	µg/L	<2.0	2	<2.0	2	<1.0	1	---		<2.0	2
GW-13	5/26/2020	µg/L	<1.0	1	<1.0	1	<0.50	0.5	---		<1.0	1
GW-14	5/26/2020	µg/L	<1.0	1	<1.0	1	<0.50	0.5	---		<1.0	1
GW-15	5/26/2020	µg/L	<1.0	1	<1.0	1	<0.50	0.5	---		<1.0	1
GW-16	5/22/2020	µg/L	<2.0	2	<2.0	2	<1.0	1	---		<2.0	2
B1	8/19/2019	µg/L	<2.0	2	<2.0	2	<2.0	2	---		<2.0	2
B2	8/16/2019	µg/L	<2.0	2	<2.0	2	<2.0	2	---		<2.0	2
B3	8/20/2019	µg/L	<2.0	2	<2.0	2	<2.0	2	---		<2.0	2
B4	8/14/2019	µg/L	<1.0	1	<1.0	1	<1.0	1	---		<1.0	1
B5	8/14/2019	µg/L	<1.0	1	<1.0	1	<1.0	1	---		<1.0	1
B6	8/13/2019	µg/L	<4.0	4	<4.0	4	<4.0	4	---		<4.0	4
B7	8/15/2019	µg/L	<4.0	4	<4.0	4	<4.0	4	---		<4.0	4
GW-1	10/26/2018	µg/L	<1.0	1	<1.0	1	<1.0	1	83	83	<1.0	1
GW-2	10/23/2018	µg/L	<1.0	1	<1.0	1	<1.0	1	93	93	<1.0	1
GW-3	10/22/2018	µg/L	<1.0	1	<1.0	1	<1.0	1	<48.0	48	<1.0	1
DP-1	11/28/2018	µg/L	260	260	94	94	140	140	---		<2.0	2
DP-2	11/28/2018	µg/L	< 2.5	2.5	< 2.5	2.5	16	16	---		<2.5	2.5
DP-3	11/28/2018	µg/L	< 10	10	< 10	10	< 10	10	---		<10.0	10
DP-4	11/28/2018	µg/L	390	390	99	99	150	150	---		<5.0	5
Maximum Detected Concentration			**390**		**99**		**150**		**93**		**36**	
Average Concentration			**3.3**		**3.0**		**2.1**		**48**		**3.5**	

Notes:
< RL: Indicates analyte is not detected above the reporting limit (RL)
µg/L: microgram per liter
MTBE: Methyl-t-Butyl Ether
TCE: Trichloroethene
PCE: Tetrachloroethene
cis-1,2-DCE: cis-1,2-Dichloroethene
When calculating average chemical concentration values, for reported non-detect results, Geosyntec used the test reporting limit as a conservative averaging methodology.

Table 1
Summary of Phase II VOCs Detected in Groundwater - Average and Maximum Concentrations
Television City Studios
Los Angeles, California

Geosyntec consultants

Location	Date Collected	Units	cis-1,2-DCE		Ethylbenzene		Isopropylbenzene		MTBE		Naphthalene	
			Reported Concentration	Reported Concentration and Reporting Limit (if applicable)	Reported Concentration	Reported Concentration and Reporting Limit (if applicable)	Reported Concentration	Reported Concentration and Reporting Limit (if applicable)	Reported Concentration	Reported Concentration and Reporting Limit (if applicable)	Reported Concentration	Reported Concentration and Reporting Limit (if applicable)
GW-4	5/20/2020	µg/L	<1.0	1	<1.0	1	<1.0	1	<1.0	1	---	
GW-5	5/20/2020	µg/L	<4.0	4	<4.0	4	<4.0	4	<4.0	4	---	
GW-6	5/27/2020	µg/L	<2.0	2	<2.0	2	<2.0	2	4.1	4.1	---	
GW-7	5/21/2020	µg/L	<2.0	2	<2.0	2	<2.0	2	<2.0	2	---	
GW-8	5/22/2020	µg/L	<1.0	1	<1.0	1	<1.0	1	<1.0	1	---	
GW-9	5/26/2020	µg/L	<1.0	1	5.8	5.8	<1.0	1	<1.0	1	---	
GW-10	5/21/2020	µg/L	<20	20	99	99	610	610	<20	20	---	
GW-11	5/22/2020	µg/L	1.3	1.3	<1.0	1	<1.0	1	<1.0	1	---	
GW-12	5/27/2020	µg/L	<2.0	2	<2.0	2	<2.0	2	<2.0	2	---	
GW-13	5/26/2020	µg/L	<1.0	1	<1.0	1	<1.0	1	<1.0	1	---	
GW-14	5/26/2020	µg/L	<1.0	1	<1.0	1	<1.0	1	<1.0	1	---	
GW-15	5/26/2020	µg/L	<1.0	1	<1.0	1	<1.0	1	5.2	5.2	---	
GW-16	5/22/2020	µg/L	<2.0	2	<2.0	2	<2.0	2	4.6	4.6	---	
B1	8/19/2019	µg/L	6.4	6.4	<2.0	2	<2.0	2	<2.0	2	---	
B2	8/16/2019	µg/L	< 2.0	2	<2.0	2	<2.0	2	<2.0	2	---	
B3	8/20/2019	µg/L	< 2.0	2	<2.0	2	<2.0	2	<2.0	2	---	
B4	8/14/2019	µg/L	< 1.0	1	<1.0	1	<1.0	1	<1.0	1	---	
B5	8/14/2019	µg/L	< 1.0	1	<1.0	1	<1.0	1	<1.0	1	---	
B6	8/13/2019	µg/L	< 4.0	4	<4.0	4	<4.0	4	<4.0	4	---	
B7	8/15/2019	µg/L	< 4.0	4	<4.0	4	<4.0	4	<4.0	4	---	
GW-1	10/26/2018	µg/L	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<48	48
GW-2	10/23/2018	µg/L	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<48	48
GW-3	10/22/2018	µg/L	<1.0	1	<1.0	1	<1.0	1	1.5	1.5	<48	48
DP-1	11/28/2018	µg/L	<2.0	2	240	240	16	16	3.6	3.6	100	100
DP-2	11/28/2018	µg/L	<2.5	2.5	21	21	140	140	< 2.5	2.5	290	290
DP-3	11/28/2018	µg/L	<10.0	10	44	44	810	810	< 10	10	< 100	100
DP-4	11/28/2018	µg/L	<5.0	5	900	900	100	100	< 5.0	5	290	290
Maximum Detected Concentration			**6.4**		**900**		**810**		**5.2**		**290**	
Average Concentration			**3.0**		**50**		**28.2**		**3.3**		**132**	

Notes:
< RL: Indicates analyte is not detected above the reporting limit (RL)
µg/L: microgram per liter
MTBE: Methyl-t-Butyl Ether
TCE: Trichloroethene
PCE: Tetrachloroethene
cis-1,2-DCE: cis-1,2-Dichloroethene
When calculating average chemical concentration values, for reported non-detect results, Geosyntec used the test reporting limit as a conservative averaging methodology.

Table 1
Summary of Phase II VOCs Detected in Groundwater - Average and Maximum Concentrations
Television City Studios
Los Angeles, California

Geosyntec consultants

Location	Date Collected	Units	n-Butylbenzene		N-Propylbenzene		Pentachloro- phenol		sec-Butylbenzene		tert-Butyl benzene	
			Reported Concentration	Reported Concentration and Reporting Limit (if applicable)	Reported Concentration	Reported Concentration and Reporting Limit (if applicable)	Reported Concentration	Reported Concentration and Reporting Limit (if applicable)	Reported Concentration	Reported Concentration and Reporting Limit (if applicable)	Reported Concentration	Reported Concentration and Reporting Limit (if applicable)
GW-4	5/20/2020	µg/L	<1.0	1	<1.0	1	---		<1.0	1	<2.0	2
GW-5	5/20/2020	µg/L	<4.0	4	<4.0	4	---		<4.0	4	<2.0	2
GW-6	5/27/2020	µg/L	<2.0	2	<2.0	2	---		<2.0	2	<2.0	2
GW-7	5/21/2020	µg/L	<2.0	2	<2.0	2	---		<2.0	2	<1.0	1
GW-8	5/22/2020	µg/L	<1.0	1	<1.0	1	---		<1.0	1	<1.0	1
GW-9	5/26/2020	µg/L	2.8	2.8	3.9	3.9	---		<1.0	1	<4.0	4
GW-10	5/21/2020	µg/L	1,400	1,400	3,600	3,600	---		450	450	<4.0	4
GW-11	5/22/2020	µg/L	<1.0	1	<1.0	1	---		<1.0	1	<1.0	1
GW-12	5/27/2020	µg/L	<2.0	2	<2.0	2	---		<2.0	2	<4.0	4
GW-13	5/26/2020	µg/L	<1.0	1	<1.0	1	---		<1.0	1	<2.0	2
GW-14	5/26/2020	µg/L	<1.0	1	<1.0	1	---		<1.0	1	<2.0	2
GW-15	5/26/2020	µg/L	<1.0	1	<1.0	1	---		<1.0	1	<1.0	1
GW-16	5/22/2020	µg/L	<2.0	2	<2.0	2	---		<2.0	2	<1.0	1
B1	8/19/2019	µg/L	<2.0	2	<2.0	2	---		<2.0	2	<20.0	20
B2	8/16/2019	µg/L	<2.0	2	<2.0	2	---		<2.0	2	<1.0	1
B3	8/20/2019	µg/L	<2.0	2	<2.0	2	---		<2.0	2	<2.0	2
B4	8/14/2019	µg/L	<1.0	1	<1.0	1	---		<1.0	1	<1.0	1
B5	8/14/2019	µg/L	<1.0	1	<1.0	1	---		<1.0	1	<1.0	1
B6	8/13/2019	µg/L	<4.0	4	<4.0	4	---		<4.0	4	<1.0	1
B7	8/15/2019	µg/L	<4.0	4	<4.0	4	---		<4.0	4	<2.0	2
GW-1	10/26/2018	µg/L	<1.0	1	<1.0	1	18	18	<1.0	1	<1.0	1
GW-2	10/23/2018	µg/L	<1.0	1	<1.0	1	<11.0	11	<1.0	1	<1.0	1
GW-3	10/22/2018	µg/L	<1.0	1	<1.0	1	<9.5	9.5	<1.0	1	<1.0	1
DP-1	11/28/2018	µg/L	25	25	66	66	---		5.5	5.5	< 2.0	2
DP-2	11/28/2018	µg/L	140	140	380	380	---		50	50	< 2.5	2.5
DP-3	11/28/2018	µg/L	1900	1900	2800	2800	---		590	590	23	23
DP-4	11/28/2018	µg/L	160	160	420	420	---		43	43	< 5.0	5
Maximum Detected Concentration			**1900**		**3600**		**18**		**590**		**23**	
Average Concentration			**63**		**158.3**		**12.8**		**21.2**		**2.6**	

Notes:
< RL: Indicates analyte is not detected above the reporting limit (RL)
µg/L: microgram per liter
MTBE: Methyl-t-Butyl Ether
TCE: Trichloroethene
PCE: Tetrachloroethene
cis-1,2-DCE: cis-1,2-Dichloroethene
When calculating average chemical concentration values, for reported non-detect results, Geosyntec used the test reporting limit as a conservative averaging methodology.

Table 1
Summary of Phase II VOCs Detected in Groundwater - Average and Maximum Concentrations
Television City Studios
Los Angeles, California

Geosyntec consultants

Location	Date Collected	Units	Toluene		o-Xylene		m,p-Xylene		TCE		PCE	
			Reported Concentration	Reported Concentration and Reporting Limit (if applicable)	Reported Concentration	Reported Concentration and Reporting Limit (if applicable)	Reported Concentration	Reported Concentration and Reporting Limit (if applicable)	Reported Concentration	Reported Concentration and Reporting Limit (if applicable)	Reported Concentration	Reported Concentration and Reporting Limit (if applicable)
GW-4	5/20/2020	µg/L	<2.0	2	<2.0	2	<2.0	2	<1.0	1	<1.0	1
GW-5	5/20/2020	µg/L	<2.0	2	<2.0	2	<8.0	8	<4.0	4	<4.0	4
GW-6	5/27/2020	µg/L	<2.0	2	<2.0	2	<4.0	4	<2.0	2	<2.0	2
GW-7	5/21/2020	µg/L	<1.0	1	<1.0	1	<4.0	4	<2.0	2	<2.0	2
GW-8	5/22/2020	µg/L	<1.0	1	<1.0	1	<2.0	2	<1.0	1	<1.0	1
GW-9	5/26/2020	µg/L	<4.0	4	<4.0	4	3.1	3.1	1.3	1.3	3.7	3.7
GW-10	5/21/2020	µg/L	<4.0	4	<4.0	4	<40	40	<20	20	<20	20
GW-11	5/22/2020	µg/L	<1.0	1	<1.0	1	<2.0	2	2.5	2.5	<1.0	1
GW-12	5/27/2020	µg/L	<4.0	4	<4.0	4	<4.0	4	<2.0	2	<2.0	2
GW-13	5/26/2020	µg/L	<2.0	2	<2.0	2	<2.0	2	<1.0	1	<1.0	1
GW-14	5/26/2020	µg/L	<2.0	2	<2.0	2	<2.0	2	<1.0	1	<1.0	1
GW-15	5/26/2020	µg/L	<1.0	1	<1.0	1	<2.0	2	<1.0	1	<1.0	1
GW-16	5/22/2020	µg/L	<1.0	1	<1.0	1	<4.0	4	<2.0	2	<2.0	2
B1	8/19/2019	µg/L	<20.0	20	<20.0	20	<4.0	4	12	12	< 2.0	2
B2	8/16/2019	µg/L	<1.0	1	<1.0	1	<4.0	4	< 2.0	2	< 2.0	2
B3	8/20/2019	µg/L	<2.0	2	<2.0	2	<4.0	4	< 2.0	2	3.7	3.7
B4	8/14/2019	µg/L	<1.0	1	<1.0	1	<2.0	2	< 1.0	1	< 1.0	1
B5	8/14/2019	µg/L	<1.0	1	<1.0	1	<2.0	2	< 1.0	1	1.8	1.8
B6	8/13/2019	µg/L	<1.0	1	<1.0	1	<8.0	8	< 4.0	4	< 4.0	4
B7	8/15/2019	µg/L	<2.0	2	<2.0	2	<8.0	8	< 4.0	4	< 4.0	4
GW-1	10/26/2018	µg/L	<1.0	1	<1.0	1	<2.0	2	<1.0	1	<1.0	1
GW-2	10/23/2018	µg/L	<1.0	1	<1.0	1	<2.0	2	<1.0	1	<1.0	1
GW-3	10/22/2018	µg/L	<1.0	1	<1.0	1	<2.0	2	<1.0	1	<1.0	1
DP-1	11/28/2018	µg/L	5.9	5.9	6.8	6.8	420	420	<2.0	2	<2.0	2
DP-2	11/28/2018	µg/L	< 2.5	2.5	< 2.5	2.5	< 5.0	5	<2.5	2.5	<2.5	2.5
DP-3	11/28/2018	µg/L	< 10	10	< 10	10	< 20	20	<10.0	10	<10.0	10
DP-4	11/28/2018	µg/L	12	12	16	16	330	330	<5.0	5	<5.0	5
Maximum Detected Concentration			**12**		**16**		**420**		**12**		**3.7**	
Average Concentration			**2.8**		**2.8**		**5.7**		**3.0**		**3.1**	

Notes:
< RL: Indicates analyte is not detected above the reporting limit (RL)
µg/L: microgram per liter
MTBE: Methyl-t-Butyl Ether
TCE: Trichloroethene
PCE: Tetrachloroethene
cis-1,2-DCE: cis-1,2-Dichloroethene
When calculating average chemical concentration values, for reported non-detect results, Geosyntec used the test reporting limit as a conservative averaging methodology.

Table 1
Summary of Phase II VOCs Detected in Groundwater - Average and Maximum Concentrations
Television City Studios
Los Angeles, California

Geosyntec consultants

Location	Date Collected	Units	2-Methylnaphthalene		1-Methylnaphthalene		N-Nitroso di- n- propylamine	
			Reported Concentration	Reported Concentration and Reporting Limit (if applicable)	Reported Concentration	Reported Concentration and Reporting Limit (if applicable)	Reported Concentration	Reported Concentration and Reporting Limit (if applicable)
GW-4	5/20/2020	µg/L	---		---		---	
GW-5	5/20/2020	µg/L	---		---		---	
GW-6	5/27/2020	µg/L	---		---		---	
GW-7	5/21/2020	µg/L	---		---		---	
GW-8	5/22/2020	µg/L	---		---		---	
GW-9	5/26/2020	µg/L	---		---		---	
GW-10	5/21/2020	µg/L	---		---		---	
GW-11	5/22/2020	µg/L	---		---		---	
GW-12	5/27/2020	µg/L	---		---		---	
GW-13	5/26/2020	µg/L	---		---		---	
GW-14	5/26/2020	µg/L	---		---		---	
GW-15	5/26/2020	µg/L	---		---		---	
GW-16	5/22/2020	µg/L	---		---		---	
B1	8/19/2019	µg/L	---		---		---	
B2	8/16/2019	µg/L	---		---		---	
B3	8/20/2019	µg/L	---		---		---	
B4	8/14/2019	µg/L	---		---		---	
B5	8/14/2019	µg/L	---		---		---	
B6	8/13/2019	µg/L	---		---		---	
B7	8/15/2019	µg/L	---		---		---	
GW-1	10/26/2018	µg/L	<9.5	9.5	<9.5	9.5	<9.5	9.5
GW-2	10/23/2018	µg/L	<11.0	11	<11.0	11	<11.0	11
GW-3	10/22/2018	µg/L	<9.5	9.5	<9.5	9.5	<9.5	9.5
DP-1	11/28/2018	µg/L	52	52	30	30	<14	14
DP-2	11/28/2018	µg/L	490	490	290	290	87	87
DP-3	11/28/2018	µg/L	86	86	53	53	<10	10
DP-4	11/28/2018	µg/L	40	40	22	22	<10	10
Maximum Detected Concentration			**490**		**290**		**87**	
Average Concentration			**100**		**61**		**22**	

Notes:
< RL: Indicates analyte is not detected above the reporting limit (RL)
µg/L: microgram per liter
MTBE: Methyl-t-Butyl Ether
TCE: Trichloroethene
PCE: Tetrachloroethene
cis-1,2-DCE: cis-1,2-Dichloroethene
When calculating average chemical concentration values, for reported non-detect results, Geosyntec used the test reporting limit as a conservative averaging methodology.

Table 2
Summary of Phase II TPH Detected in Groundwater - Average and Maximum Concentrations
Television City Studios, LLC
Los Angeles, California

Geosyntec consultants

Location	Date Collected	Units	Gasoline Range Organics		Diesel Range Organics		Oil Range Organics		C-6-C44	
			Reported Concentration	Reported Concentration and Reporting Limit (if applicable)	Reported Concentration	Reported Concentration and Reporting Limit (if applicable)	Reported Concentration	Reported Concentration and Reporting Limit (if applicable)	Reported Concentration	Reported Concentration and Reporting Limit (if applicable)
GW-4	5/20/2020	µg/L	<50	50	110	110	1,200	1,200	---	
GW-5	5/20/2020	µg/L	<50	50	<71	71	<71	71	---	
GW-6	5/27/2020	µg/L	<50	50	120	120	77	77	---	
GW-7	5/21/2020	µg/L	<50	50	<54	54	<54	54	---	
GW-8	5/22/2020	µg/L	<50	50	<51	51	<51	51	---	
GW-9	5/26/2020	µg/L	180	180	<66	66	<66	66	---	
GW-10	5/21/2020	µg/L	30,000	30,000	1,300	1,300	74	74	---	
GW-11	5/22/2020	µg/L	<50	50	74	74	<48	48	---	
GW-12	5/27/2020	µg/L	<50	50	<210	210	<210	210	---	
GW-13	5/26/2020	µg/L	<50	50	<56	56	<56	56	---	
GW-14	5/26/2020	µg/L	<50	50	<72	72	<72	72	---	
GW-15	5/26/2020	µg/L	<50	50	76	76	<58	58	---	
GW-16	5/22/2020	µg/L	<50	50	160	160	160	160	---	
B1	8/19/2019	µg/L	---	---	<63.0	63	---	---	200.0	200.0
B2	8/16/2019	µg/L	---	---	<66.0	66	---	---	<66.0	66
B3	8/20/2019	µg/L	---	---	48.0	48.0	---	---	50.0	50.0
B4	8/14/2019	µg/L	---	---	<48.0	48	---	---	<48.0	48
B5	8/14/2019	µg/L	---	---	<48.0	48	---	---	77.0	77.0
B6	8/13/2019	µg/L	---	---	<83.0	83	---	---	<83.0	83
B7	8/15/2019	µg/L	---	---	77.0	77.0	---	---	190.0	190.0
GW-1	10/26/2018	µg/L	<100.0	100	130	130	<490.0	490	---	
GW-2	10/23/2018	µg/L	<100.0	100	600	600	<470.0	470	---	
GW-3	10/22/2018	µg/L	<100.0	100	1500	1500	<480.0	480	---	
DP-1	11/28/2018	µg/L	4,700	4,700	4400	4400	< 620	620	---	
DP-2	11/28/2018	µg/L	160,000	160,000	37,000	37,000	4,600	4,600	---	
DP-3	11/28/2018	µg/L	36,000	36,000	40,000	40,000	1,300	1,300	---	
DP-4	11/28/2018	µg/L	15,000	15,000	6,200	6,200	< 620	620	---	
Maximum Detected Concentration			**160,000**		**40,000**		**4,600**		**200**	
Average Concentration			**12,337**		**4,092**		**539**		**66**	

Notes:
Bolded value indicates detections above the laboratory reporting limit
< RL: Indicates analyte is not detected above the reporting limit (RL)
µg/L: micrograms per liter
When calculating average chemical concentration values, for reported non-detect results, Geosyntec used the test reporting limit as a conservative averaging methodology.

Table 3
Summary of Phase II Metals Detected in Groundwater - Average and Maximum Concentrations
Television City Studios, LLC
Los Angeles, California

Geosyntec consultants

Location	Date Collected	Units	Antimony		Barium		Beryllium		Cadmium		Chromium		Cobalt		Copper	
			Reported Concentration	Reported Concentration and Reporting Limit (if applicable)	Reported Concentration	Reported Concentration and Reporting Limit (if applicable)	Reported Concentration	Reported Concentration and Half of Reporting Limit	Reported Concentration	Reported Concentration and Reporting Limit (if applicable)	Reported Concentration	Reported Concentration and Reporting Limit (if applicable)	Reported Concentration	Reported Concentration and Reporting Limit (if applicable)	Reported Concentration	Reported Concentration and Reporting Limit (if applicable)
GW-4	5/20/2020	mg/L	<0.1	0.1	3.87	3.87	0.0114	0.0114	0.019	0.019	0.321	0.321	0.0673	0.0673	<0.0500	0.05
GW-5	5/20/2020	mg/L	<0.1	0.1	13.4	13.4	0.0273	0.0273	0.0345	0.0345	0.760	0.760	0.264	0.264	0.328	0.328
GW-6	5/27/2020	mg/L	<0.1	0.1	4.73	4.73	<0.0100	0.01	0.0112	0.0112	0.417	0.417	0.164	0.164	0.188	0.188
GW-7	5/21/2020	mg/L	<0.1	0.1	11.6	11.6	0.120	0.120	0.125	0.125	4.19	4.19	1.44	1.44	4.99	4.99
GW-8	5/22/2020	mg/L	<0.1	0.1	0.73	0.73	<0.0100	0.01	<0.0100	0.01	<0.0500	0.05	<0.0500	0.05	<0.0500	0.05
GW-9	5/26/2020	mg/L	<0.1	0.1	3.04	3.04	0.0123	0.0123	0.0126	0.0126	0.0605	0.0605	0.122	0.122	0.0972	0.0972
GW-10	5/21/2020	mg/L	<0.1	0.1	8.26	8.26	0.0482	0.0482	0.126	0.126	2.16	2.16	0.948	0.948	1.84	1.84
GW-11	5/22/2020	mg/L	<0.1	0.1	0.794	0.794	<0.0100	0.01	<0.0100	0.01	<0.0500	0.05	<0.0500	0.05	<0.0500	0.05
GW-12	5/27/2020	mg/L	<0.5	0.5	13.3	13.3	0.160	0.160	0.181	0.181	5.06	5.06	2.09	2.09	3.93	3.93
GW-13	5/26/2020	mg/L	<0.1	0.1	1.78	1.78	<0.0100	0.01	<0.0100	0.01	<0.0500	0.05	0.0678	0.0678	0.0574	0.0574
GW-14	5/26/2020	mg/L	<0.1	0.1	3.32	3.32	<0.0100	0.01	0.0149	0.0149	<0.0500	0.05	<0.0500	0.05	0.0569	0.0569
GW-15	5/26/2020	mg/L	<0.1	0.1	2.71	2.71	<0.0100	0.01	<0.0100	0.01	0.106	0.106	0.103	0.103	<0.0500	0.05
GW-16	5/22/2020	mg/L	<0.1	0.1	0.667	0.667	<0.0100	0.01	<0.0100	0.01	<0.0500	0.05	<0.0500	0.05	<0.0500	0.05
B1	8/19/2019	mg/L	---		0.374	0.374	---		---	---	---	---	---	---	---	---
B2	8/16/2019	mg/L	---		0.176	0.176 H	---		---	---	---	---	---	---	---	---
B3	8/20/2019	mg/L	---		0.0608	0.0608	---		---	---	---	---	---	---	---	---
B4	8/14/2019	mg/L	---		0.0473	0.0473	---		---	---	---	---	---	---	---	---
B5	8/14/2019	mg/L	---		0.0491	0.0491	---		---	---	---	---	---	---	---	---
B6	8/13/2019	mg/L	---		0.11	0.11	---		---	---	---	---	---	---	---	---
B7	8/15/2019	mg/L	---		0.55	0.55	---		---	---	---	---	---	---	---	---
GW-1	10/26/2018	mg/L	0.0213	0.0213	1.79	1.79	<0.01	0.01	<0.01	0.01	0.340	0.340	0.105	0.105	0.406	0.406
GW-2	10/23/2018	mg/L	<0.015	0.015	0.283	0.283	<0.01	0.01	<0.01	0.01	0.116	0.116	0.0348	0.0348	0.0562	0.0562
GW-3	10/22/2018	mg/L	<0.015	0.015	0.641	0.641	<0.01	0.01	<0.01	0.01	0.195	0.195	0.0653	0.0653	0.0808	0.0808
DP-1	11/28/2018	mg/L	<0.739*		5.92	5.92	0.0454	0.0454	0.0834	0.0834	2.75	2.75	0.840	0.840	2.61	2.61
DP-2	11/28/2018	mg/L	<0.746*		9.14	9.14	0.0587	0.0587	0.0378	0.0378	2.99	2.99	1.39	1.39	2.95	2.95
DP-3	11/28/2018	mg/L	<0.75*		9.44	9.44	0.0286	0.0286	0.0339	0.0339	1.49	1.49	0.854	0.854	0.851	0.851
DP-4	11/28/2018	mg/L	<0.0150	0.015	14.0	14.0	0.0444	0.0444	0.0389	0.0389	2.41	2.41	1.25	1.25	1.67	1.67
Maximum Detected Concentration			**0.0213**		**14**		**0.16**		**0.181**		**5.06**		**2.09**		**4.99**	
Average Concentration			**0.109**		**3.8**		**0.03**		**0.038**		**1.02**		**0.42**		**0.90**	

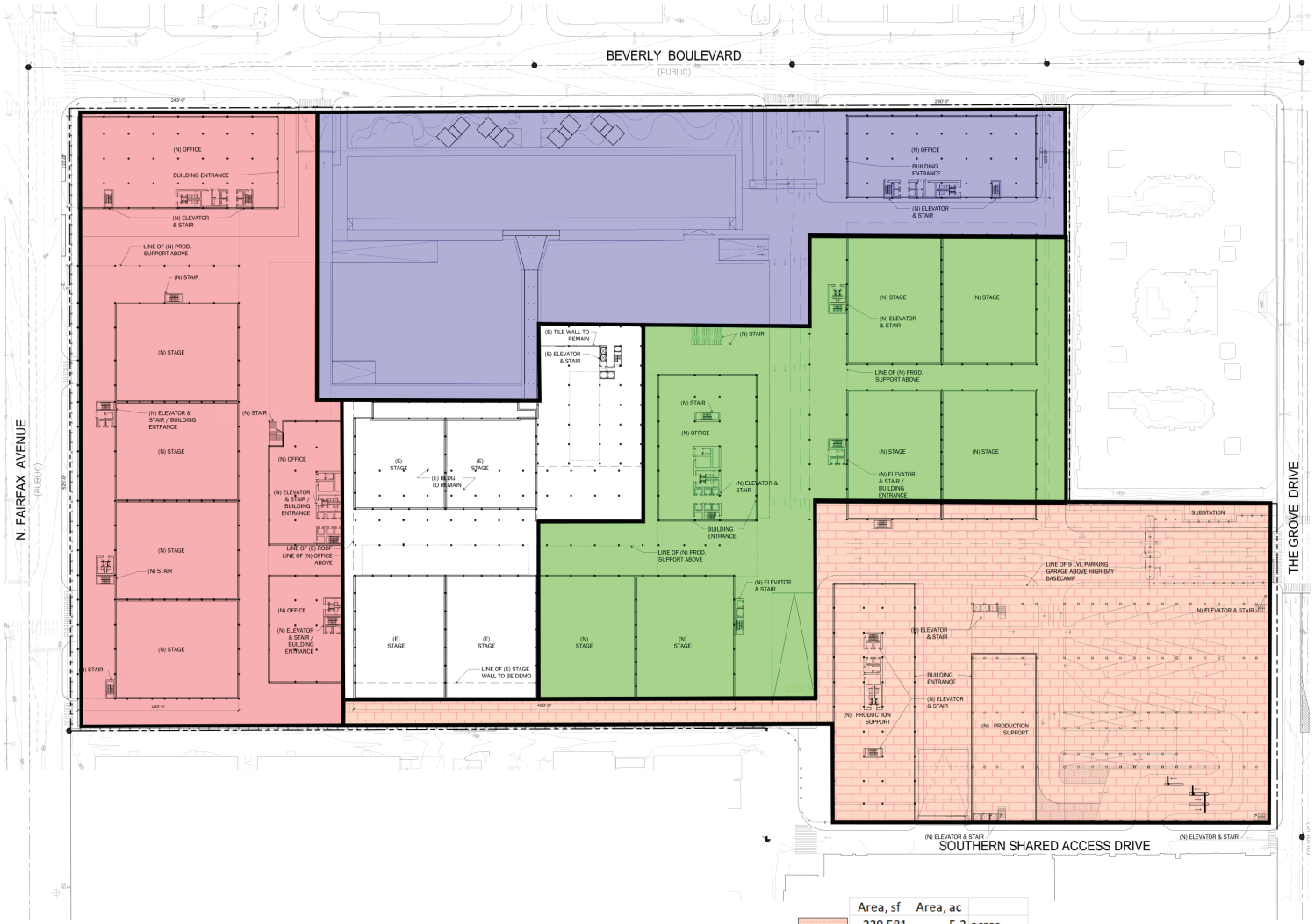
Notes:
*- elevated reporting limit, not included in average concentration calculation
< RL: Indicates analyte is not detected above the reporting limit (RL)
mg/L: milligram per liter
When calculating average chemical concentration values, for reported non-detect results, Geosyntec used the test reporting limit as a conservative averaging methodology.

Table 3
Summary of Phase II Metals Detected in Groundwater - Average and Maximum Concentrations
Television City Studios, LLC
Los Angeles, California

Geosyntec consultants

Location	Date Collected	Units	Lead		Mercury		Molybdenum		Nickel		Vanadium		Zinc	
			Reported Concentration	Reported Concentration and Reporting Limit (if applicable)	Reported Concentration	Reported Concentration and Reporting Limit (if applicable)	Reported Concentration	Reported Concentration and Reporting Limit (if applicable)	Reported Concentration	Reported Concentration and Reporting Limit (if applicable)	Reported Concentration	Reported Concentration and Reporting Limit (if applicable)	Reported Concentration	Reported Concentration and Half of Reporting Limit (if applicable)
GW-4	5/20/2020	mg/L	<0.0500	0.05	<0.000500	0.0005	0.0627	0.0627	0.164	0.164	0.613	0.613	0.447	0.447
GW-5	5/20/2020	mg/L	<0.0500	0.05	<0.000500	0.0005	<0.0500	0.05	0.444	0.444	2.97	2.97	1.39	1.39
GW-6	5/27/2020	mg/L	<0.0500	0.05	<0.000500	0.0005	<0.0500	0.05	0.276	0.276	0.690	0.690	0.486	0.486
GW-7	5/21/2020	mg/L	<0.0500	0.05	<0.000500	0.0005	0.0626	0.0626	2.31	2.31	9.16	9.16	5.66	5.66
GW-8	5/22/2020	mg/L	<0.0500	0.05	0.000638	0.000638	<0.0500	0.05	<0.0500	0.050	<0.0100	0.01	<0.250	0.25
GW-9	5/26/2020	mg/L	0.0752	0.0752	0.00158	0.00158	<0.0500	0.05	0.119	0.119	0.638	0.638	<0.250	0.25
GW-10	5/21/2020	mg/L	0.381	0.381	0.00222	0.00222	<0.0500	0.05	1.38	1.38	3.29	3.29	2.46	2.46
GW-11	5/22/2020	mg/L	<0.0500	0.05	<0.000500	0.0005	<0.0500	0.05	<0.0500	0.050	<0.0100	0.01	<0.250	0.25
GW-12	5/27/2020	mg/L	<0.250	0.25	<0.000500	0.0005	<0.250	0.25	3.95	3.95	5.98	5.98	7.67	7.67
GW-13	5/26/2020	mg/L	0.27	0.27	0.00484	0.00484	<0.0500	0.05	0.213	0.213	0.0616	0.0616	<0.250	0.25
GW-14	5/26/2020	mg/L	<0.0500	0.05	0.00157	0.00157	<0.0500	0.05	<0.0500	0.05	0.372	0.372	<0.250	0.25
GW-15	5/26/2020	mg/L	<0.0500	0.05	<0.000500	0.0005	<0.0500	0.05	0.0835	0.0835	0.525	0.525	<0.250	0.25
GW-16	5/22/2020	mg/L	<0.0500	0.05	0.000999	0.000999	<0.0500	0.05	<0.0500	0.05	<0.0100	0.01	<0.250	0.25
B1	8/19/2019	mg/L	---	---	---	---	0.0528	0.0528	---	---	0.0365	0.0365	---	---
B2	8/16/2019	mg/L	---	---	---	---	< 0.050	0.05	---	---	< 0.010	0.01	---	---
B3	8/20/2019	mg/L	---	---	---	---	< 0.050	0.05	---	---	0.0249	0.0249	---	---
B4	8/14/2019	mg/L	---	---	---	---	< 0.050	0.05	---	---	< 0.010	0.01	---	---
B5	8/14/2019	mg/L	---	---	---	---	< 0.050	0.05	---	---	0.0109	0.0109	---	---
B6	8/13/2019	mg/L	---	---	---	---	0.131	0.131	---	---	< 0.010	0.01	---	---
B7	8/15/2019	mg/L	---	---	---	---	< 0.050	0.05	---	---	< 0.010	0.01	---	---
GW-1	10/26/2018	mg/L	3.99	3.99	<0.0005	0.0005	<0.01	0.01	9.42	9.42	0.275	0.275	0.665	0.665
GW-2	10/23/2018	mg/L	0.0799	0.0799	<0.0005	0.0005	0.151	0.151	0.111	0.111	0.111	0.111	0.192	0.192
GW-3	10/22/2018	mg/L	0.135	0.135	<0.0417	0.0417	<0.01	0.01	0.119	0.119	0.198	0.198	0.288	0.288
DP-1	11/28/2018	mg/L	< 0.0100	0.01	0.00252	0.00252	<0.246	0.246	1.85	1.85	2.53	2.53	2.68	2.68
DP-2	11/28/2018	mg/L	0.680	0.680	0.00297	0.00297	<0.249	0.249	1.77	1.77	1.23	1.23	4.20	4.20
DP-3	11/28/2018	mg/L	0.492	0.492	0.00565	0.00565	<0.25	0.25	1.20	1.20	1.59	1.59	1.34	1.34
DP-4	11/28/2018	mg/L	< 0.0100	0.01	0.000790	0.000790	<0.0100	0.01	1.84	1.84	2.10	2.10	2.12	2.12
Maximum Detected Concentration			**3.99**		**0.00565**		**0.151**		**9.42**		**9.16**		**7.67**	
Average Concentration			**0.10**		**0.0036**		**0.080**		**0.70**		**1.22**		**1.53**	

Notes:
*- elevated reporting limit, not included in average concentration calculation
< RL: Indicates analyte is not detected above the reporting limit (RL)
mg/L: milligram per liter
When calculating average chemical concentration values, for reported non-detect results, Geosyntec used the test reporting limit as a conservative averaging methodology.



	Area, sf	Area, ac	
	229,581	5.3	acres
	225,572	5.2	acres
	220,141	5.1	acres
	226,864	5.2	acres
Total	902,158	21	acres

Excavation Areas

Source: RIOS, 2023.

Appendix D



Boiler and Emergency Generator Emissions Calculations

Television City Health Risk Assessment
Boiler Emissions - Existing Operations

B2 Boiler B-2
B1 Boiler B-1

South Coast
AQMD

Facility ID: **189282**
Facility Name: **Television City Productions, LLC**
Facility Type: **Entertainment**

Boilers-AER Device ID (ES11); Natural Gas

	2018	2019	2020	2021	
	Therms	Therms	Therms	Therms	
Facility ID 1693024700	78,920	96,482	60,570	61,499	Support
Facility ID 1175017300 east stage	4,431	4,392	1,392	1,832	
Facility ID 1154017300	725	962	1,139	1,221	
Facility ID 1133017300	272,874	254,346	240,924	234,753	Studios
Total Therms	356,950	356,182	304,025	299,305	
Covert to kbtu/yr	**36,765,850**	**36,686,746**	**31,314,575**	**30,828,415**	
Fuel Cell				**52,739,090**	

2021 bills

	Facility ID 1133017300	Facility ID 1154	Facility ID 1175(	Facility ID 169.	Fuel Cell
1	21040	80	229	5425	19995
2	21848	99	271	5327	22370
3	21586	104	280	4837	33941
4	19647	97	268	5475	27865
5	18072	100	275	5439	32726
6	17781	107	268	5296	45044
7	16313	110	131	4964	30644
8	15665	102	47	4764	57727
9	19992	112	52	5066	64207
10	18938	103	11	4232	57107
11	21093	111	0	4452	62573
12	22778	96	0	6222	57831
	234753	**1221**	**1832**	**61499**	**512030** therms

Year	Device Description			Organic Gases		Nitrogen Oxides		Sulfur Oxides		Carbon Monoxide		Particulate Matter (PM10)		Particulate Matter (PM2.5)	
			Fuel Usage (mmscf)	Emission Factor (lbs/mmscf)	Emissions (lbs/yr)	Emission Factor (lbs/mmscf)	Emissions (lbs/yr)	Emission Factor (lbs/mmscf)	Emissions (lbs/yr)	Emission Factor (lbs/mmscf)	Emissions (lbs/yr)	Emission Factor (lbs/mmscf)	Emissions (lbs/yr)	Emission Factor (lbs/mmscf)	Emissions (lbs/yr)
2021	ES11 Boilers	<10 MMBTU/HR	28.491932	5.50	156.71	100.00	2849.19	0.60	17.10	84.00	2393.32	7.60	216.54	7.60	216.54
2020	ES11 Boilers	<10 MMBTU/HR	28.936135	5.50	159.15	100.00	2893.61	0.60	17.36	84.00	2430.64	7.60	219.91	7.60	219.91
2021	ES11 Boilers	<10 MMBTU/HR	28.491932	5.50	156.71	100.00	2849.19	0.60	17.10	84.00	2393.32	7.60	216.54	7.60	216.54

Source: TVC 2050 SCAQMD Annual Emission Reports

Source: TVC's 2019-2021 Annual Emission Reports provide the fuel consumption for each emergency generator based on engine maintence logs and fuel usage.
Source: Gallons per hour for each exisitng engine was obtained from TVC's SCAQMD Rule 1472 Compliance Plan, prepared by Pro Active Consulting Group, July 2020.

Television City Health Risk Assessment

Boiler Emissions - Existing Operations

Hours per Day	24
Days per Year	365
Total Emissions (Organic Gases)	159.15

Speciation Profile - 1101 Gas-Fired Boilers

Chemical	CAS No. /HARP ID	Speciation (%)	Emissions (lbs/hr)	Emissions (lbs/year)
Ammonia (used values for ammonium from speciation profiles)	7664417	0.0139	2.5E-04	2.2
Arsenic and compounds (inorganic) (note 4)	7440382	0.0003	5.5E-06	0.0
Chromium	7440473	0.0001	1.8E-06	0.0
Cobalt	7440484	0.0003	5.5E-06	0.0
Copper and compounds	7440508	0.0043	7.8E-05	0.7
Lead and compounds (inorganic) (note 4)	7439921	0.0003	5.5E-06	0.0
Manganese and compounds	7439965	0.0009	1.6E-05	0.1
Nickel and compounds (note 4) (values also apply to:)	7440020	0.0043	7.8E-05	0.7
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.0502	9.1E-04	8.0
Sulfates	9960	0.0598	1.1E-03	9.5
Vanadium	7440622	0.0017	3.1E-05	0.3

Calculations for HARP

Chemical Name	CAS No. /HARP ID	Speciation (%)	Emissions (lbs/hr)	Emissions (lbs/year)	HARP ID
Benzene	71432		4.8E-09	0.0000	B2
Formaldehyde	50000		1.0E-10	0.0000	B2
Polycyclic aromatic hydrocarbons (PAH) (as B(a)P-equivalent) (notes 4 & 8)	1151		3.5E-11	0.0000	B2
Naphthalene	91203		1.0E-10	0.0000	B2
Acetaldehyde	75070		1.5E-09	0.0000	B2
Acrolein	107028		1.0E-10	0.0000	B2
Ammonia*	7664417		3.1E-10	0.0000	B2
Ethyl benzene	100414		1.5E-09	0.0000	B2
Hexane, n-	110543		1.7E-08	0.0002	B2
Toluene	108883		2.1E-08	0.0002	B2
Xylene	1330207		5.9E-10	0.0000	B2
Benzene	71432		4.8E-09	0.0000	B1
Formaldehyde	50000		1.0E-10	0.0000	B1
Polycyclic aromatic hydrocarbons (PAH) (as B(a)P-equivalent) (notes 4 & 8)	1151		3.5E-11	0.0000	B1
Naphthalene	91203		1.0E-10	0.0000	B1
Acetaldehyde	75070		1.5E-09	0.0000	B1
Acrolein	107028		1.0E-10	0.0000	B1
Ammonia*	7664417		3.1E-10	0.0000	B1
Ethyl benzene	100414		1.5E-09	0.0000	B1
Hexane, n-	110543		1.7E-08	0.0002	B1
Toluene	108883		2.1E-08	0.0002	B1
Xylene	1330207		5.9E-10	0.0000	B1
Benzene	71432		4.8E-09	0.0000	B3
Formaldehyde	50000		1.0E-10	0.0000	B3
Polycyclic aromatic hydrocarbons (PAH) (as B(a)P-equivalent) (notes 4 & 8)	1151		3.5E-11	0.0000	B3
Naphthalene	91203		1.0E-10	0.0000	B3
Acetaldehyde	75070		1.5E-09	0.0000	B3
Acrolein	107028		1.0E-10	0.0000	B3
Ammonia*	7664417		3.1E-10	0.0000	B3
Ethyl benzene	100414		1.5E-09	0.0000	B3
Hexane, n-	110543		1.7E-08	0.0002	B3
Toluene	108883		2.1E-08	0.0002	B3
Xylene	1330207		5.9E-10	0.0000	B3
Benzene	71432		4.8E-09	0.0000	B4
Formaldehyde	50000		1.0E-10	0.0000	B4
Polycyclic aromatic hydrocarbons (PAH) (as B(a)P-equivalent) (notes 4 & 8)	1151		3.5E-11	0.0000	B4
Naphthalene	91203		1.0E-10	0.0000	B4
Acetaldehyde	75070		1.5E-09	0.0000	B4
Acrolein	107028		1.0E-10	0.0000	B4
Ammonia*	7664417		3.1E-10	0.0000	B4
Ethyl benzene	100414		1.5E-09	0.0000	B4
Hexane, n-	110543		1.7E-08	0.0002	B4
Toluene	108883		2.1E-08	0.0002	B4
Xylene	1330207		5.9E-10	0.0000	B4
Benzene	71432		4.8E-09	0.0000	SPB1
Formaldehyde	50000		1.0E-10	0.0000	SPB1
Polycyclic aromatic hydrocarbons (PAH) (as B(a)P-equivalent) (notes 4 & 8)	1151		3.5E-11	0.0000	SPB1
Naphthalene	91203		1.0E-10	0.0000	SPB1
Acetaldehyde	75070		1.5E-09	0.0000	SPB1
Acrolein	107028		1.0E-10	0.0000	SPB1
Ammonia*	7664417		3.1E-10	0.0000	SPB1
Ethyl benzene	100414		1.5E-09	0.0000	SPB1
Hexane, n-	110543		1.7E-08	0.0002	SPB1

Chemical Name	CAS No. /HARP ID	Speciation (%)	Emissions (lbs/hr)	Emissions (lbs/year)	HARP ID
Toluene	108883		2.1E-08	0.0002	SPB1
Xylene	1330207		5.9E-10	0.0000	SPB1
Benzene	71432		4.8E-09	0.0000	SPB2
Formaldehyde	50000		1.0E-10	0.0000	SPB2
Polycyclic aromatic hydrocarbons (PAH) (as B(a)P-equivalent) (notes 4 & 8)	1151		3.5E-11	0.0000	SPB2
Naphthalene	91203		1.0E-10	0.0000	SPB2
Acetaldehyde	75070		1.5E-09	0.0000	SPB2
Acrolein	107028		1.0E-10	0.0000	SPB2
Ammonia*	7664417		3.1E-10	0.0000	SPB2
Ethyl benzene	100414		1.5E-09	0.0000	SPB2
Hexane, n-	110543		1.7E-08	0.0002	SPB2
Toluene	108883		2.1E-08	0.0002	SPB2
Xylene	1330207		5.9E-10	0.0000	SPB2

Television City Health Risk Assessment
Emergency Generator Emissions and Time Records

South Coast
AQMD

Facility ID: **189282**
Facility Name: **Television City Productions, LLC**
Facility Type: **Entertainment**

Fuel Consumption

Existing Conditions--Internal Combustion Process List (Stationary Diesel I.C.Engines, 4 Stroke-Lean Burn)

Device Description	Application Number	Make and Operating Hours	Horsepower	Organic Gases		Nitrogen Oxides		Sulfur Oxides		Carbon Monoxide		Particulate Matter (PM10)		Particulate Matter (PM2.5)		CO2 Equivalent GHG (CO2e)		Diesel Fuel Usage	
				Emission Factor (g/hp-hr)	Emissions lb/hr	Emission Factor (g/hp-hr)	Emissions lb/hr	Emission Factor (g/hp-hr)	Emissions lb/hr	Emission Factor (g/hp-hr)	Emissions lb/hr	Emission Factor (g/hp-hr)	Emissions lb/hr	Emission Factor (g/hp-hr)	Emissions lb/hr	Emission Factor (lb/hp-hr)	Emissions lb/hr	Avg Annual Hours	Gallons of Fuel/hr
Emergency Generator (Big Red)	G56074 610182	CAT3512TA--20 hr/yr maintenance and 200 hours operated in any one year	2160	1.00	4.76	6.90	32.86	0.62	2.95	8.50	40.48	0.38	1.81	0.38	1.81	1.15	1819.68	9.60	104
Emergency Generator	G56078 610185	Detroit 8123--30 hr/yr maintenance and 200 hours operated in any one year	947	0.08	0.17	9.38	19.58	0.0049	0.01	3.42	7.14	0.21	0.44	0.21	0.44	1.15	797.79	6.33	48
Emergency Generator	G56072 610180	John Deere 6076A--20 hr/yr maintenance and 200 hours operated in any one year	250	0.36	0.20	8.56	4.72	0.16	0.09	2.70	1.49	0.73	0.40	0.73	0.40	1.15	210.61	7.03	15
Emergency Generator	G56075 610183	Detroit 8083--20 hr/yr maintenance and 200 hours operated in any one year	430	1.12	1.06	14.07	13.34	0.00049	0.00	3.03	2.87	0.96	0.91	0.96	0.91	1.15	362.25	12.40	18
Emergency Generator (Earth Station)	G56076 610184	Cummins QSL9-G2 (Tier 3)--50 hr/yr maintenance and 200 hours operated in any one year	364	0.16	0.13	2.67	2.14	0.00049	0.00	2.39	1.92	0.12	0.10	0.12	0.10	1.15	306.65	8.50	11
Emergency Generator (Big Blue)	G60781 618456	Cat 3516 (Tier 2)--50 hr/yr maintenance and 200 hours operated in any one year	2937	0.25	1.62	3.93	25.45	0.00049	0.00	0.49	3.17	0.08	0.53	0.08	0.53	1.15	2474.25	12.60	138
		Total Site Horsepower:	7088																
Maximum Daily Emissions in Pounds (Big Red): Only one generator would be tested per day.					4.8		32.9		3.0		40.5		1.8		1.8		1,820		
Average Daily Emissions in Pounds for Routine Testing (Per Permit Requirements 20-50 hours per year):					0.6		8.2		0.2		3.7		0.3		0.3		578		
Average Daily Emissions in Pounds (2019-2021 Usage):					0.2		2.7		0.1		1.5		0.1		0.1		171		
Average Daily Emissions in Pounds assumed max hours of operation (200 per year):					4.3		53.7		1.7		31.3		2.3		2.3		3,272		
Average Annual Emissions in Pounds for Routine Testing (Per Permit Requirements 20-50 hours per year):													107.0				210,830	gal/yr	11,633
Average Annual Emissions in Pounds (2019-2021 Usage):													41.8				62,276	gal/yr	3,463
Average Annual Emissions in Pounds assumed max hours of operation (200 per year):													837.52				1,194,246	gal/yr	66,800

Source: ProActive Consulting Group, SCAQMD Rule 1472 Compliance Plan for Television City Productions, LLC, July 2020.
CO2E Emission Factor Assumed to be Consisent with CalEEMod default (1.15 lb/hp-hr CO2 and 0.073134 g/hp-hr CH4).
Fuel Usage: See Emergency Generator Fuel Consumption and Annual Hours Calculation Sheet

Project Conditions--Internal Combustion Process List (Stationary Diesel I.C.Engines, 4 Stroke-Lean Burn)

All generators with the exception of Big Blue would be decommissioned. In addition, Big Blue would be the largest generator and represent the maximum daily emissions during a generator test day.

Device Description	Application Number	Make and Operating Hours	Horsepower	Organic Gases		Nitrogen Oxides		Sulfur Oxides		Carbon Monoxide		Particulate Matter (PM10)		Particulate Matter (PM2.5)		CO2 Equivalent GHG (CO2e)		Diesel Fuel Usage	
				Emission Factor (g/hp-hr)	Emissions lb/hr	Emission Factor (g/hp-hr)	Emissions lb/hr	Emission Factor (g/hp-hr)	Emissions lb/hr	Emission Factor (g/hp-hr)	Emissions lb/hr	Emission Factor (g/hp-hr)	Emissions lb/hr	Emission Factor (g/hp-hr)	Emissions lb/hr	Emission Factor (lb/hp-hr)	Emissions lb/hr	Avg Annual Hours	Gallons of Fuel/hr
Emergency Generator (Big Blue)	G60781 618456	Cat 3516 (Tier 2)--50 hr/yr maintenance and 200 hours operated in any one year	2937	0.25	1.62	3.93	25.45	0.00049	0.00	0.49	3.17	0.08	0.53	0.08	0.53	1.15	2474.25	12.60	138
		Make and Operating Hours	Horsepower	Emission Factor (h/hp-hr)	Emissions lb/hr	Emission Factor (g/hp-hr)	Emissions lb/hr	Emission Factor (g/hp-hr)	Emissions lb/hr	Emission Factor (g/hp-hr)	Emissions lb/hr	Emission Factor (g/hp-hr)	Emissions lb/hr	Emission Factor (g/hp-hr)	Emissions lb/hr	Emission Factor (lb/hp-hr)	Emissions lb/hr	Avg Annual Hours	Gallons of Fuel/hr
7 new 500 kw generators (equivalent to 762 bhp)	NA	SCAQMD Rule 1472-50 hr/yr maintenance and 200 hours operated in any one year (EPA Tier 4 emission factors); SOX and CO2e are CalEEMod default.	762	0.14	0.17	0.50	0.61	0.0049	0.01	2.60	3.19	0.02	0.02	0.02	0.02	1.15	641.94	8.77	27
Maximum Daily Emissions in Pounds (Big Blue): Only one generator would be tested per day.					1.62		25.45		0.00		3.17		0.53		0.53		2,474		
Average Daily Emissions in Pounds (Big Blue and seven new 500 kw generators 50 hrs per year):					0.39		4.07		0.01		3.49		0.10		0.10		954		
Average Daily Emissions in Pounds (Avg 2019-2021) Big Blue and seven new 500 kw generators:					0.08		0.98		0.00		0.65		0.02		0.02		193		
Average Daily Emissions in Pounds (Big Blue and seven new 500 kw generators 200 hrs per year):					1.58		15.96		0.03		15.14		0.39		0.39		3,818		
Average Annual Emissions in Pounds for Routine Testing (Per Permit Requirements 50 hours per year):													35.1				348,392	gal/yr	16,235
Average Annual Emissions in Pounds (2019-2021 Usage):													8.2				70,596	gal/yr	3,377
Average Annual Emissions in Pounds assumed max hours of operation (200 per year):													140.53				1,393,568	gal/yr	64,938
			Horsepower	Emission Factor (lb/hp	Emissions lb/hr	Emission Factor (g/hp-	Emissions lb/hr	Emission Factor (g/hp-	Emissions lb/hr	Emission Factor (g/hp	Emissions lb/hr	Emission Factor (g/hp-	Emissions lb/hr	Emission Factor (g/hp-	Emissions lb/hr	Emission Factor (lb/hp-hr)	Emissions lb/hr	Avg Annual Hours	Gallons of Fuel/hr
Incremental Difference (Maximum Daily Emissions on Test Day)					(3.14)		(7.41)		(2.95)		(37.30)		(1.28)		(1.28)		655		-
Incremental Difference (Average Daily Emissions for Routine Testing 50 hours per year)					(0.20)		(4.10)		(0.16)		(0.25)		(0.20)		(0.20)		377		
Incremental Difference (Average Daily Emissions for Routine Testing (Avg 2019-2021 hours per year)					(0.14)		(1.69)		(0.08)		(0.82)		(0.09)		(0.09)		23		-
Incremental Difference (Average Daily Emissions for Permitted 200 hours per year)					(2.77)		(37.78)		(1.65)		(16.13)		(1.91)		(1.91)		546		
Incremental Difference (Average Annual Per Permit Requirements 50 hrs)					-		-		-		-		(71.82)		-		137,562	gal/yr	4,602
Incremental Difference (Average Annual Emissions (2019-2021))					-		-		-		-		(33.57)		-		8,321	gal/yr	(87)
Incremental Difference (Average Annual Emissions assumed max hours of operation (200/yr))					-		-		-		-		(696.99)		-		199,322	gal/yr	(1,862)

26.50 3.5000

Source: ProActive Consulting Group, SCAQMD Rule 1472 Compliance Plan for Television City Productions, LLC, July 2020 and CalEEMod Default Emission Factors.
CO2E Emission Factor Assumed to be Consisent with CalEEMod default (1.15 lb/hp-hr CO2 and 0.073134 g/hp-hr CH4).
New generators could be located within 50 meters (170 feet) of sensitive receptors. Therefore, Project is committed to new generators meeting requirements in SCAQMD Rule 1472 (Table 1) in which generators under 750 horsepower must meet 0.01 g/bhp for PM10 and 0.02 g/bphp for new generators greater than 750 horsepower. New generators will meet CARB Tier 4 Final requirements. Big Blue is committed to being placed more than 50 meters away from a sensitive receptor.
Fuel Usage: 2021 AER.

Television City Health Risk Assessment

Emergency Generator Fuel Usage

South Coast AQMD

Facility ID: **189282**

Facility Name: **Television City Productions, LLC**

Facility Type: **Entertainment**

Fuel Consumption and Hours of Operation/Maintenance (Existing)

Year 2019	Big Red (610182)	Big Yellow (610185)	Earth (610184)	Little Green (610183)	Little Yellow (610180)	Big Blue (618456)
BHP	2160	947	364	430	250	2937
Hours (1/1/2019)	50.5	271.9	151.9	22.01	271.3	
Hours (12/31/2019)	59.7	276.1	161.1	36.7	279.5	
Total Hours	9.2	4.2	9.2	14.69	8.2	

Year 2020	Big Red (610182)	Big Yellow (610185)	Earth (610184)	Little Green (610183)	Little Yellow (610180)	Big Blue (618456)
Hours (1/1/2020)	59.3	279.5	161.1	35.5	279.5	0
Hours (12/31/2020)	73.2	286.8	171.7	48.3	287.7	17.2
Total Hours	13.9	7.3	10.6	12.8	8.2	17.2

Year 2021	Big Red (610182)	Big Yellow (610185)	Earth (610184)	Little Green (610183)	Little Yellow (610180)	Big Blue (618456)
Hours (1/1/2021)	73.2	286.8	171.7	48.3	287.7	17.2
Hours (12/31/2021)	79.3	290.9	177.4	59.2	292.4	25.2
Total Hours	6.1	4.1	5.7	10.9	4.7	8

2019-2021 Ann. Avg.	Big Red (610182)	Big Yellow (610185)	Earth (610184)	Little Green (610183)	Little Yellow (610180)	Big Blue (618456)
Hours (1/1/2019)	50.5	271.9	151.9	22.01	271.3	0
Hours (12/31/2021)	79.3	290.9	177.4	59.2	292.4	25.2
Total Hours	28.8	19	25.5	37.19	21.1	25.2
Annual Average Hours	9.60	6.33	8.50	12.40	7.03	12.60
gal/hr	104	48	11.1	18	14.9	138
Annaul Average Gallons	998.4	304.0	94.4	223.1	104.8	1738.8

Hours of Operattion for Proposed Emergency Generators:

Average Hours for all Generators Except Big Blue: 8.8 hrs/yr

Source: TVC's 2019-2021 Annual Emission Reports provide the fuel consumption for each emergency generator based on engine maintence logs and fuel usage.

Source: Gallons per hour for each exisitng engine was obtained from TVC's SCAQMD Rule 1472 Compliance Plan, prepared by Pro Active Consulting Group, July 2020.

Television City Health Risk Assessment

Emergency Generator Emissions Speciation - Existing

Diesel Particulate Matter Emissions

HARP ID	DPM (lbs/hr)	DPM (lbs/year)	Permit No.
LGREEN	0.91	11.3	G56075
LYELLOW	0.40	2.8	G56072
BIGRED	1.81	17.4	G56074
EARTH	0.10	0.8	G56076
BYELLOW	0.44	2.8	G56078
BIGBLUE	0.53	6.7	G60781

HARP ID	TOG (lbs/hr)	TOG (lbs/year)	Permit No.
LGREEN	1.06	13.2	G56075
LYELLOW	0.20	1.4	G56072
BIGRED	4.76	45.7	G56074
EARTH	0.13	1.1	G56076
BYELLOW	0.17	1.1	G56078
BIGBLUE	1.62	20.4	G60781

Speciation Profile - 7493 Year 2049 Heavy-Duty Diesel Truck transient (2016 Update) for Tier 4 Final Offroad Equipment and 818 Farm Equipment - Diesel

Chemical Name	CAS No. /HARP ID	Speciation (%)	Emissions (lbs/hr)	Emissions (lbs/year)	HARP ID	Speciation
Ammonia (used values for ammonium from speciation profiles)	7664417	0.014799	1.3E-02	0	LGREEN	
Chlorine	7782505	0.000446	4.1E-04	0	LGREEN	
Copper and compounds	7440508	0.000168	1.5E-04	0	LGREEN	
Lead and compounds (inorganic) (note 4)	7439921	0.000008	7.3E-06	0	LGREEN	
Manganese and compounds	7439965	0.000018	1.6E-05	0	LGREEN	
Mercury and compounds (inorganic) (note 4)	7439976	0.000001	9.1E-07	0	LGREEN	PM
Nickel and compounds (note 4) (values also apply to:)	7440020	0.000143	1.3E-04	0	LGREEN	
Selenium and compounds (note 4)	7782492	0.000015	1.4E-05	0	LGREEN	
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.000979	8.9E-04	0	LGREEN	
Sulfates	9960	0.016421	1.5E-02	0	LGREEN	
Acetaldehyde	75070	0.07353	6.7E-02	0	LGREEN	
	71432					
Benzene		0.02000998	1.8E-02	0	LGREEN	
Butadiene, 1,3-	106990	0.0019	1.7E-03	0	LGREEN	
Ethyl benzene	100414	0.00305	2.8E-03	0	LGREEN	
Formaldehyde	50000	0.14714	1.3E-01	0	LGREEN	
Hexane, n-	110543	0.00157	1.4E-03	0	LGREEN	
Methanol (methyl alcohol)	67561	0.0003	2.7E-04	0	LGREEN	ORG
Methyl ethyl ketone (MEK) (2-butanone)	78933	0.01477	1.3E-02	0	LGREEN	
Naphthalene	91203	0.00085	7.7E-04	0	LGREEN	
Propylene (propene)	115071	0.02597	2.4E-02	0	LGREEN	
Styrene	100425	0.00058	5.3E-04	0	LGREEN	
Toluene	108883	0.01473	1.3E-02	0	LGREEN	
Xylenes (mixed isomers)	1330207	0.01041	9.5E-03	0	LGREEN	
Diesel engine exhaust, particulate matter (Diesel PM)	9901		0.0E+00	11.3	LGREEN	
Ammonia (used values for ammonium from speciation profiles)	7664417	0.014799	1.3E-02	0	LYELLOW	
Chlorine	7782505	0.000446	4.1E-04	0	LYELLOW	
Copper and compounds	7440508	0.000168	1.5E-04	0	LYELLOW	
Lead and compounds (inorganic) (note 4)	7439921	0.000008	7.3E-06	0	LYELLOW	
Manganese and compounds	7439965	0.000018	1.6E-05	0	LYELLOW	
Mercury and compounds (inorganic) (note 4)	7439976	0.000001	9.1E-07	0	LYELLOW	PM
Nickel and compounds (note 4) (values also apply to:)	7440020	0.000143	1.3E-04	0	LYELLOW	
Selenium and compounds (note 4)	7782492	0.000015	1.4E-05	0	LYELLOW	
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.000979	8.9E-04	0	LYELLOW	
Sulfates	9960	0.016421	1.5E-02	0	LYELLOW	
Acetaldehyde	75070	0.07353	6.7E-02	0	LYELLOW	
Benzene	71432	0.02000998	1.8E-02	0	LYELLOW	
Butadiene, 1,3-	106990	0.0019	1.7E-03	0	LYELLOW	
Ethyl benzene	100414	0.00305	2.8E-03	0	LYELLOW	
Formaldehyde	50000	0.14714	1.3E-01	0	LYELLOW	
Hexane, n-	110543	0.00157	1.4E-03	0	LYELLOW	
Methanol (methyl alcohol)	67561	0.0003	2.7E-04	0	LYELLOW	ORG
Methyl ethyl ketone (MEK) (2-butanone)	78933	0.01477	1.3E-02	0	LYELLOW	
Naphthalene	91203	0.00085	7.7E-04	0	LYELLOW	
Propylene (propene)	115071	0.02597	2.4E-02	0	LYELLOW	
Styrene	100425	0.00058	5.3E-04	0	LYELLOW	
Toluene	108883	0.01473	1.3E-02	0	LYELLOW	
Xylenes (mixed isomers)	1330207	0.01041	9.5E-03	0	LYELLOW	
Diesel engine exhaust, particulate matter (Diesel PM)	9901		0.0E+00	2.8	LYELLOW	
Ammonia (used values for ammonium from speciation profiles)	7664417	0.014799	1.3E-02	0	BIGRED	
Chlorine	7782505	0.000446	4.1E-04	0	BIGRED	
Copper and compounds	7440508	0.000168	1.5E-04	0	BIGRED	
Lead and compounds (inorganic) (note 4)	7439921	0.000008	7.3E-06	0	BIGRED	
Manganese and compounds	7439965	0.000018	1.6E-05	0	BIGRED	

Chemical Name	CAS No. /HARP ID	Speciation (%)	Emissions (lbs/hr)	Emissions (lbs/year)	HARP ID	Speciation
Mercury and compounds (inorganic) (note 4)	7439976	0.000001	9.1E-07	0	BIGRED	PM
Nickel and compounds (note 4) (values also apply to:)	7440020	0.000143	1.3E-04	0	BIGRED	
Selenium and compounds (note 4)	7782492	0.000015	1.4E-05	0	BIGRED	
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.000979	8.9E-04	0	BIGRED	
Sulfates	9960	0.016421	1.5E-02	0	BIGRED	
Acetaldehyde	75070	0.07353	6.7E-02	0	BIGRED	ORG
Benzene	71432	0.02000998	1.8E-02	0	BIGRED	
Butadiene, 1,3-	106990	0.0019	1.7E-03	0	BIGRED	
Ethyl benzene	100414	0.00305	2.8E-03	0	BIGRED	
Formaldehyde	50000	0.14714	1.3E-01	0	BIGRED	
Hexane, n-	110543	0.00157	1.4E-03	0	BIGRED	
Methanol (methyl alcohol)	67561	0.0003	2.7E-04	0	BIGRED	
Methyl ethyl ketone (MEK) (2-butanone)	78933	0.01477	1.3E-02	0	BIGRED	
Naphthalene	91203	0.00085	7.7E-04	0	BIGRED	
Propylene (propene)	115071	0.02597	2.4E-02	0	BIGRED	
Styrene	100425	0.00058	5.3E-04	0	BIGRED	
Toluene	108883	0.01473	1.3E-02	0	BIGRED	
Xylenes (mixed isomers)	1330207	0.01041	9.5E-03	0	BIGRED	
Diesel engine exhaust, particulate matter (Diesel PM)	9901		0.0E+00	17.4	BIGRED	
Ammonia (used values for ammonium from speciation profiles)	7664417	0.014799	1.3E-02	0	EARTH	PM
Chlorine	7782505	0.000446	4.1E-04	0	EARTH	
Copper and compounds	7440508	0.000168	1.5E-04	0	EARTH	
Lead and compounds (inorganic) (note 4)	7439921	0.000008	7.3E-06	0	EARTH	
Manganese and compounds	7439965	0.000018	1.6E-05	0	EARTH	
Mercury and compounds (inorganic) (note 4)	7439976	0.000001	9.1E-07	0	EARTH	
Nickel and compounds (note 4) (values also apply to:)	7440020	0.000143	1.3E-04	0	EARTH	
Selenium and compounds (note 4)	7782492	0.000015	1.4E-05	0	EARTH	
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.000979	8.9E-04	0	EARTH	
Sulfates	9960	0.016421	1.5E-02	0	EARTH	
Acetaldehyde	75070	0.07353	6.7E-02	0	EARTH	ORG
Benzene	71432	0.02000998	1.8E-02	0	EARTH	
Butadiene, 1,3-	106990	0.0019	1.7E-03	0	EARTH	
Ethyl benzene	100414	0.00305	2.8E-03	0	EARTH	
Formaldehyde	50000	0.14714	1.3E-01	0	EARTH	
Hexane, n-	110543	0.00157	1.4E-03	0	EARTH	
Methanol (methyl alcohol)	67561	0.0003	2.7E-04	0	EARTH	
Methyl ethyl ketone (MEK) (2-butanone)	78933	0.01477	1.3E-02	0	EARTH	
Naphthalene	91203	0.00085	7.7E-04	0	EARTH	
Propylene (propene)	115071	0.02597	2.4E-02	0	EARTH	
Styrene	100425	0.00058	5.3E-04	0	EARTH	
Toluene	108883	0.01473	1.3E-02	0	EARTH	
Xylenes (mixed isomers)	1330207	0.01041	9.5E-03	0	EARTH	
Diesel engine exhaust, particulate matter (Diesel PM)	9901		0.0E+00	0.8	EARTH	
Ammonia (used values for ammonium from speciation profiles)	7664417	0.014799	1.3E-02	0	BYELLOW	PM
Chlorine	7782505	0.000446	4.1E-04	0	BYELLOW	
Copper and compounds	7440508	0.000168	1.5E-04	0	BYELLOW	
Lead and compounds (inorganic) (note 4)	7439921	0.000008	7.3E-06	0	BYELLOW	
Manganese and compounds	7439965	0.000018	1.6E-05	0	BYELLOW	
Mercury and compounds (inorganic) (note 4)	7439976	0.000001	9.1E-07	0	BYELLOW	
Nickel and compounds (note 4) (values also apply to:)	7440020	0.000143	1.3E-04	0	BYELLOW	
Selenium and compounds (note 4)	7782492	0.000015	1.4E-05	0	BYELLOW	
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.000979	8.9E-04	0	BYELLOW	
Sulfates	9960	0.016421	1.5E-02	0	BYELLOW	
Acetaldehyde	75070	0.07353	6.7E-02	0	BYELLOW	ORG
Benzene	71432	0.02000998	1.8E-02	0	BYELLOW	
Butadiene, 1,3-	106990	0.0019	1.7E-03	0	BYELLOW	
Ethyl benzene	100414	0.00305	2.8E-03	0	BYELLOW	
Formaldehyde	50000	0.14714	1.3E-01	0	BYELLOW	
Hexane, n-	110543	0.00157	1.4E-03	0	BYELLOW	
Methanol (methyl alcohol)	67561	0.0003	2.7E-04	0	BYELLOW	
Methyl ethyl ketone (MEK) (2-butanone)	78933	0.01477	1.3E-02	0	BYELLOW	
Naphthalene	91203	0.00085	7.7E-04	0	BYELLOW	
Propylene (propene)	115071	0.02597	2.4E-02	0	BYELLOW	
Styrene	100425	0.00058	5.3E-04	0	BYELLOW	
Toluene	108883	0.01473	1.3E-02	0	BYELLOW	
Xylenes (mixed isomers)	1330207	0.01041	9.5E-03	0	BYELLOW	
Diesel engine exhaust, particulate matter (Diesel PM)	9901		0.0E+00	2.8	BYELLOW	
Ammonia (used values for ammonium from speciation profiles)	7664417	0.014799	1.3E-02	0	BIGBLUE	PM
Chlorine	7782505	0.000446	4.1E-04	0	BIGBLUE	
Copper and compounds	7440508	0.000168	1.5E-04	0	BIGBLUE	
Lead and compounds (inorganic) (note 4)	7439921	0.000008	7.3E-06	0	BIGBLUE	
Manganese and compounds	7439965	0.000018	1.6E-05	0	BIGBLUE	
Mercury and compounds (inorganic) (note 4)	7439976	0.000001	9.1E-07	0	BIGBLUE	
Nickel and compounds (note 4) (values also apply to:)	7440020	0.000143	1.3E-04	0	BIGBLUE	
Selenium and compounds (note 4)	7782492	0.000015	1.4E-05	0	BIGBLUE	
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.000979	8.9E-04	0	BIGBLUE	
Sulfates	9960	0.016421	1.5E-02	0	BIGBLUE	

Chemical Name	CAS No. /HARP ID	Speciation (%)	Emissions (lbs/hr)	Emissions (lbs/year)	HARP ID	Speciation
Acetaldehyde	75070	0.07353	6.7E-02	0	BIGBLUE	
Benzene	71432	0.02000998	1.8E-02	0	BIGBLUE	
Butadiene, 1,3-	106990	0.0019	1.7E-03	0	BIGBLUE	
Ethyl benzene	100414	0.00305	2.8E-03	0	BIGBLUE	
Formaldehyde	50000	0.14714	1.3E-01	0	BIGBLUE	
Hexane, n-	110543	0.00157	1.4E-03	0	BIGBLUE	
Methanol (methyl alcohol)	67561	0.0003	2.7E-04	0	BIGBLUE	ORG
Methyl ethyl ketone (MEK) (2-butanone)	78933	0.01477	1.3E-02	0	BIGBLUE	
Naphthalene	91203	0.00085	7.7E-04	0	BIGBLUE	
Propylene (propene)	115071	0.02597	2.4E-02	0	BIGBLUE	
Styrene	100425	0.00058	5.3E-04	0	BIGBLUE	
Toluene	108883	0.01473	1.3E-02	0	BIGBLUE	
Xylenes (mixed isomers)	1330207	0.01041	9.5E-03	0	BIGBLUE	
Diesel engine exhaust, particulate matter (Diesel PM)	9901		0.0E+00	6.7	BIGBLUE	

Television City Health Risk Assessment

Emergency Generator Emissions Speciation - Project

Diesel Particulate Matter Emissions

HARP ID	DPM (lbs/hr)	DPM (lbs/year)	Permit No.
7 New Generators	0.02	1.5	
BIGBLUE	0.53	6.7	G60781

	TOG (lbs/hr)	TOG (lbs/year)
7 New Generators	0.17	10.5
BIGBLUE	1.62	20.4

Speciation Profile - 7493 Year 2049 Heavy-Duty Diesel Truck transient (2016 Update) for Tier 4 Final Offroad Equipment and 818 Farm Equipment - Diesel

Chemical Name	CAS No. /HARP ID	Speciation (%)	Emissions (lbs/hr)	Emissions (lbs/year)	HARP ID
Ammonia (used values for ammonium from speciation profiles)	7664417	0.014799	3.63E-04	0	EGEN1
Chlorine	7782505	0.000446	1.09E-05	0	EGEN1
Copper and compounds	7440508	0.000168	4.12E-06	0	EGEN1
Lead and compounds (inorganic) (note 4)	7439921	0.000008	1.96E-07	0	EGEN1
Manganese and compounds	7439965	0.000018	4.41E-07	0	EGEN1
Mercury and compounds (inorganic) (note 4)	7439976	0.000001	2.45E-08	0	EGEN1
Nickel and compounds (note 4) (values also apply to:)	7440020	0.000143	3.51E-06	0	EGEN1
Selenium and compounds (note 4)	7782492	0.000015	3.68E-07	0	EGEN1
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.000979	2.40E-05	0	EGEN1
Sulfates	9960	0.016421	4.03E-04	0	EGEN1
Acetaldehyde	75070	0.07353	1.26E-02	0	EGEN1
	71432				
Benzene		0.02000998	3.44E-03	0	EGEN1
Butadiene, 1,3-	106990	0.0019	3.26E-04	0	EGEN1
Ethyl benzene	100414	0.00305	5.24E-04	0	EGEN1
Formaldehyde	50000	0.14714	2.53E-02	0	EGEN1
Hexane, n-	110543	0.00157	2.70E-04	0	EGEN1
Methanol (methyl alcohol)	67561	0.0003	5.15E-05	0	EGEN1
Methyl ethyl ketone (MEK) (2-butanone)	78933	0.01477	2.54E-03	0	EGEN1
Naphthalene	91203	0.00085	1.46E-04	0	EGEN1
Propylene (propene)	115071	0.02597	4.46E-03	0	EGEN1
Styrene	100425	0.00058	9.96E-05	0	EGEN1
Toluene	108883	0.01473	2.53E-03	0	EGEN1
Xylenes (mixed isomers)	1330207	0.01041	1.79E-03	0	EGEN1
Diesel engine exhaust, particulate matter (Diesel PM)	9901		0.00E+00	0.2	EGEN1
Ammonia (used values for ammonium from speciation profiles)	7664417	0.014799	3.63E-04	0	EGEN2
Chlorine	7782505	0.000446	1.09E-05	0	EGEN2
Copper and compounds	7440508	0.000168	4.12E-06	0	EGEN2
Lead and compounds (inorganic) (note 4)	7439921	0.000008	1.96E-07	0	EGEN2
Manganese and compounds	7439965	0.000018	4.41E-07	0	EGEN2
Mercury and compounds (inorganic) (note 4)	7439976	0.000001	2.45E-08	0	EGEN2
Nickel and compounds (note 4) (values also apply to:)	7440020	0.000143	3.51E-06	0	EGEN2
Selenium and compounds (note 4)	7782492	0.000015	3.68E-07	0	EGEN2
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.000979	2.40E-05	0	EGEN2
Sulfates	9960	0.016421	4.03E-04	0	EGEN2
Acetaldehyde	75070	0.07353	1.26E-02	0	EGEN2
Benzene	71432	0.02000998	3.44E-03	0	EGEN2
Butadiene, 1,3-	106990	0.0019	3.26E-04	0	EGEN2
Ethyl benzene	100414	0.00305	5.24E-04	0	EGEN2
Formaldehyde	50000	0.14714	2.53E-02	0	EGEN2
Hexane, n-	110543	0.00157	2.70E-04	0	EGEN2
Methanol (methyl alcohol)	67561	0.0003	5.15E-05	0	EGEN2
Methyl ethyl ketone (MEK) (2-butanone)	78933	0.01477	2.54E-03	0	EGEN2
Naphthalene	91203	0.00085	1.46E-04	0	EGEN2
Propylene (propene)	115071	0.02597	4.46E-03	0	EGEN2
Styrene	100425	0.00058	9.96E-05	0	EGEN2
Toluene	108883	0.01473	2.53E-03	0	EGEN2
Xylenes (mixed isomers)	1330207	0.01041	1.79E-03	0	EGEN2
Diesel engine exhaust, particulate matter (Diesel PM)	9901		0.00E+00	0.2	EGEN2
Ammonia (used values for ammonium from speciation profiles)	7664417	0.014799	3.63E-04	0	EGEN3
Chlorine	7782505	0.000446	1.09E-05	0	EGEN3
Copper and compounds	7440508	0.000168	4.12E-06	0	EGEN3
Lead and compounds (inorganic) (note 4)	7439921	0.000008	1.96E-07	0	EGEN3
Manganese and compounds	7439965	0.000018	4.41E-07	0	EGEN3
Mercury and compounds (inorganic) (note 4)	7439976	0.000001	2.45E-08	0	EGEN3
Nickel and compounds (note 4) (values also apply to:)	7440020	0.000143	3.51E-06	0	EGEN3
Selenium and compounds (note 4)	7782492	0.000015	3.68E-07	0	EGEN3
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.000979	2.40E-05	0	EGEN3
Sulfates	9960	0.016421	4.03E-04	0	EGEN3
Acetaldehyde	75070	0.07353	1.26E-02	0	EGEN3
Benzene	71432	0.02000998	3.44E-03	0	EGEN3

Chemical Name	CAS No. /HARP ID	Speciation (%)	Emissions (lbs/hr)	Emissions (lbs/year)	HARP ID
Butadiene, 1,3-	106990	0.0019	3.26E-04	0	EGEN3
Ethyl benzene	100414	0.00305	5.24E-04	0	EGEN3
Formaldehyde	50000	0.14714	2.53E-02	0	EGEN3
Hexane, n-	110543	0.00157	2.70E-04	0	EGEN3
Methanol (methyl alcohol)	67561	0.0003	5.15E-05	0	EGEN3
Methyl ethyl ketone (MEK) (2-butanone)	78933	0.01477	2.54E-03	0	EGEN3
Naphthalene	91203	0.00085	1.46E-04	0	EGEN3
Propylene (propene)	115071	0.02597	4.46E-03	0	EGEN3
Styrene	100425	0.00058	9.96E-05	0	EGEN3
Toluene	108883	0.01473	2.53E-03	0	EGEN3
Xylenes (mixed isomers)	1330207	0.01041	1.79E-03	0	EGEN3
Diesel engine exhaust, particulate matter (Diesel PM)	9901		0.00E+00	0.2	EGEN3
Ammonia (used values for ammonium from speciation profiles)	7664417	0.014799	3.63E-04	0	EGEN4
Chlorine	7782505	0.000446	1.09E-05	0	EGEN4
Copper and compounds	7440508	0.000168	4.12E-06	0	EGEN4
Lead and compounds (inorganic) (note 4)	7439921	0.000008	1.96E-07	0	EGEN4
Manganese and compounds	7439965	0.000018	4.41E-07	0	EGEN4
Mercury and compounds (inorganic) (note 4)	7439976	0.000001	2.45E-08	0	EGEN4
Nickel and compounds (note 4) (values also apply to:)	7440020	0.000143	3.51E-06	0	EGEN4
Selenium and compounds (note 4)	7782492	0.000015	3.68E-07	0	EGEN4
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.000979	2.40E-05	0	EGEN4
Sulfates	9960	0.016421	4.03E-04	0	EGEN4
Acetaldehyde	75070	0.07353	1.26E-02	0	EGEN4
Benzene	71432	0.02000998	3.44E-03	0	EGEN4
Butadiene, 1,3-	106990	0.0019	3.26E-04	0	EGEN4
Ethyl benzene	100414	0.00305	5.24E-04	0	EGEN4
Formaldehyde	50000	0.14714	2.53E-02	0	EGEN4
Hexane, n-	110543	0.00157	2.70E-04	0	EGEN4
Methanol (methyl alcohol)	67561	0.0003	5.15E-05	0	EGEN4
Methyl ethyl ketone (MEK) (2-butanone)	78933	0.01477	2.54E-03	0	EGEN4
Naphthalene	91203	0.00085	1.46E-04	0	EGEN4
Propylene (propene)	115071	0.02597	4.46E-03	0	EGEN4
Styrene	100425	0.00058	9.96E-05	0	EGEN4
Toluene	108883	0.01473	2.53E-03	0	EGEN4
Xylenes (mixed isomers)	1330207	0.01041	1.79E-03	0	EGEN4
Diesel engine exhaust, particulate matter (Diesel PM)	9901		0.00E+00	0.2	EGEN4
Ammonia (used values for ammonium from speciation profiles)	7664417	0.014799	3.63E-04	0	EGEN5
Chlorine	7782505	0.000446	1.09E-05	0	EGEN5
Copper and compounds	7440508	0.000168	4.12E-06	0	EGEN5
Lead and compounds (inorganic) (note 4)	7439921	0.000008	1.96E-07	0	EGEN5
Manganese and compounds	7439965	0.000018	4.41E-07	0	EGEN5
Mercury and compounds (inorganic) (note 4)	7439976	0.000001	2.45E-08	0	EGEN5
Nickel and compounds (note 4) (values also apply to:)	7440020	0.000143	3.51E-06	0	EGEN5
Selenium and compounds (note 4)	7782492	0.000015	3.68E-07	0	EGEN5
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.000979	2.40E-05	0	EGEN5
Sulfates	9960	0.016421	4.03E-04	0	EGEN5
Acetaldehyde	75070	0.07353	1.26E-02	0	EGEN5
Benzene	71432	0.02000998	3.44E-03	0	EGEN5
Butadiene, 1,3-	106990	0.0019	3.26E-04	0	EGEN5
Ethyl benzene	100414	0.00305	5.24E-04	0	EGEN5
Formaldehyde	50000	0.14714	2.53E-02	0	EGEN5
Hexane, n-	110543	0.00157	2.70E-04	0	EGEN5
Methanol (methyl alcohol)	67561	0.0003	5.15E-05	0	EGEN5
Methyl ethyl ketone (MEK) (2-butanone)	78933	0.01477	2.54E-03	0	EGEN5
Naphthalene	91203	0.00085	1.46E-04	0	EGEN5
Propylene (propene)	115071	0.02597	4.46E-03	0	EGEN5
Styrene	100425	0.00058	9.96E-05	0	EGEN5
Toluene	108883	0.01473	2.53E-03	0	EGEN5
Xylenes (mixed isomers)	1330207	0.01041	1.79E-03	0	EGEN5
Diesel engine exhaust, particulate matter (Diesel PM)	9901		0.00E+00	0.2	EGEN5
Ammonia (used values for ammonium from speciation profiles)	7664417	0.014799	3.63E-04	0	EGEN6
Chlorine	7782505	0.000446	1.09E-05	0	EGEN6
Copper and compounds	7440508	0.000168	4.12E-06	0	EGEN6
Lead and compounds (inorganic) (note 4)	7439921	0.000008	1.96E-07	0	EGEN6
Manganese and compounds	7439965	0.000018	4.41E-07	0	EGEN6
Mercury and compounds (inorganic) (note 4)	7439976	0.000001	2.45E-08	0	EGEN6
Nickel and compounds (note 4) (values also apply to:)	7440020	0.000143	3.51E-06	0	EGEN6
Selenium and compounds (note 4)	7782492	0.000015	3.68E-07	0	EGEN6
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.000979	2.40E-05	0	EGEN6
Sulfates	9960	0.016421	4.03E-04	0	EGEN6
Acetaldehyde	75070	0.07353	1.26E-02	0	EGEN6
Benzene	71432	0.02000998	3.44E-03	0	EGEN6
Butadiene, 1,3-	106990	0.0019	3.26E-04	0	EGEN6
Ethyl benzene	100414	0.00305	5.24E-04	0	EGEN6
Formaldehyde	50000	0.14714	2.53E-02	0	EGEN6
Hexane, n-	110543	0.00157	2.70E-04	0	EGEN6

Chemical Name	CAS No. /HARP ID	Speciation (%)	Emissions (lbs/hr)	Emissions (lbs/year)	HARP ID
Methanol (methyl alcohol)	67561	0.0003	5.15E-05	0	EGEN6
Methyl ethyl ketone (MEK) (2-butanone)	78933	0.01477	2.54E-03	0	EGEN6
Naphthalene	91203	0.00085	1.46E-04	0	EGEN6
Propylene (propene)	115071	0.02597	4.46E-03	0	EGEN6
Styrene	100425	0.00058	9.96E-05	0	EGEN6
Toluene	108883	0.01473	2.53E-03	0	EGEN6
Xylenes (mixed isomers)	1330207	0.01041	1.79E-03	0	EGEN6
Diesel engine exhaust, particulate matter (Diesel PM)	9901		0.00E+00	0.2	EGEN6
Ammonia (used values for ammonium from speciation profiles)	7664417	0.014799	3.63E-04	0	EGEN7
Chlorine	7782505	0.000446	1.09E-05	0	EGEN7
Copper and compounds	7440508	0.000168	4.12E-06	0	EGEN7
Lead and compounds (inorganic) (note 4)	7439921	0.000008	1.96E-07	0	EGEN7
Manganese and compounds	7439965	0.000018	4.41E-07	0	EGEN7
Mercury and compounds (inorganic) (note 4)	7439976	0.000001	2.45E-08	0	EGEN7
Nickel and compounds (note 4) (values also apply to:)	7440020	0.000143	3.51E-06	0	EGEN7
Selenium and compounds (note 4)	7782492	0.000015	3.68E-07	0	EGEN7
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.000979	2.40E-05	0	EGEN7
Sulfates	9960	0.016421	4.03E-04	0	EGEN7
Acetaldehyde	75070	0.07353	1.26E-02	0	EGEN7
Benzene	71432	0.02000998	3.44E-03	0	EGEN7
Butadiene, 1,3-	106990	0.0019	3.26E-04	0	EGEN7
Ethyl benzene	100414	0.00305	5.24E-04	0	EGEN7
Formaldehyde	50000	0.14714	2.53E-02	0	EGEN7
Hexane, n-	110543	0.00157	2.70E-04	0	EGEN7
Methanol (methyl alcohol)	67561	0.0003	5.15E-05	0	EGEN7
Methyl ethyl ketone (MEK) (2-butanone)	78933	0.01477	2.54E-03	0	EGEN7
Naphthalene	91203	0.00085	1.46E-04	0	EGEN7
Propylene (propene)	115071	0.02597	4.46E-03	0	EGEN7
Styrene	100425	0.00058	9.96E-05	0	EGEN7
Toluene	108883	0.01473	2.53E-03	0	EGEN7
Xylenes (mixed isomers)	1330207	0.01041	1.79E-03	0	EGEN7
Diesel engine exhaust, particulate matter (Diesel PM)	9901		0.00E+00	0.2	EGEN7
Ammonia (used values for ammonium from speciation profiles)	7664417	0.014799	3.63E-04	0	BIGBLUE
Chlorine	7782505	0.000446	1.09E-05	0	BIGBLUE
Copper and compounds	7440508	0.000168	4.12E-06	0	BIGBLUE
Lead and compounds (inorganic) (note 4)	7439921	0.000008	1.96E-07	0	BIGBLUE
Manganese and compounds	7439965	0.000018	4.41E-07	0	BIGBLUE
Mercury and compounds (inorganic) (note 4)	7439976	0.000001	2.45E-08	0	BIGBLUE
Nickel and compounds (note 4) (values also apply to:)	7440020	0.000143	3.51E-06	0	BIGBLUE
Selenium and compounds (note 4)	7782492	0.000015	3.68E-07	0	BIGBLUE
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.000979	2.40E-05	0	BIGBLUE
Sulfates	9960	0.016421	4.03E-04	0	BIGBLUE
Acetaldehyde	75070	0.07353	1.26E-02	0	BIGBLUE
Benzene	71432	0.02000998	3.44E-03	0	BIGBLUE
Butadiene, 1,3-	106990	0.0019	3.26E-04	0	BIGBLUE
Ethyl benzene	100414	0.00305	5.24E-04	0	BIGBLUE
Formaldehyde	50000	0.14714	2.53E-02	0	BIGBLUE
Hexane, n-	110543	0.00157	2.70E-04	0	BIGBLUE
Methanol (methyl alcohol)	67561	0.0003	5.15E-05	0	BIGBLUE
Methyl ethyl ketone (MEK) (2-butanone)	78933	0.01477	2.54E-03	0	BIGBLUE
Naphthalene	91203	0.00085	1.46E-04	0	BIGBLUE
Propylene (propene)	115071	0.02597	4.46E-03	0	BIGBLUE
Styrene	100425	0.00058	9.96E-05	0	BIGBLUE
Toluene	108883	0.01473	2.53E-03	0	BIGBLUE
Xylenes (mixed isomers)	1330207	0.01041	1.79E-03	0	BIGBLUE
Diesel engine exhaust, particulate matter (Diesel PM)	9901	0	0.00E+00	6.7	BIGBLUE

Appendix E



Gibson, Truck Trip Forecast Memorandum and Onsite Operational Diesel Truck Emissions Calculations

Gibson transportation consulting, inc.

MEMORANDUM

TO: Stephanie Eyestone-Jones, Eyestone Environmental

FROM: Patrick A. Gibson, P.E., PTOE, and Jonathan Chambers, P.E.

DATE: March 8, 2023

RE: Truck Trip Estimates for the
TVC 2050 Project
Los Angeles, California **Ref:** J1750a

Gibson Transportation Consulting, Inc. (GTC) prepared estimates of truck activity to and from the Television City campus with completion of the TVC 2050 Project (Project).

The estimates are based on counts of existing truck activity collected at the campus over three days in year 2019. The counts identified "heavy" and "light" trucks, with the distinction that heavy trucks had a trailer while light trucks were fixed frame or "single-unit."

Currently, most trucks access the Project Site via the driveway on Beverly Boulevard at Genesee Avenue. The largest trucks, which only arrive and depart on an infrequent basis (once a week or less), use the driveway on Fairfax Avenue at the southwest corner of the Project Site. With the Project, trucks would have the ability to enter the Project Site from Fairfax Avenue, Beverly Boulevard, and The Grove Drive and internally traverse the Project Site to get to a specific location.

The existing site counts are summarized in Table 1 and provided in the Attachment. As shown therein, there were between 55 and 80 light truck trips per day, for an average of 65 trips per day representing approximately 33 trucks. There was an average of 13 heavy truck trips per day representing approximately seven trucks. Based on supplemental data provided by Manhattan Beach Studios, the largest owner and operator of studios in the world, approximately one third of light trucks for studio uses tend to be five-ton trucks and the remaining two thirds are 10-ton trucks, so Table 1 further breaks down the light truck trip totals using those proportions.

Table 1: Existing Truck Trips at TVC

	Heavy	Light	Light Truck Split	
Day	**Trucks**	**Trucks**	**5-ton**	**10-ton**
Day 1 (September 10, 2019)	11	55	18	37
Day 2 (September 11, 2019)	16	60	20	40
Day 3 (September 12, 2019)	12	80	27	53
Average	**13**	**65**	**22**	**43**

555 W. 5th Street, Suite 3375 Los Angeles, CA 90013 p. 213.683.0088 f 213.683.0033

The Project increases the size of the on-site development envelope and also increases the proportion of office space within the resulting land use mix. Therefore, the existing truck trips were used as a basis to estimate Project truck trips. The existing and proposed land use mix are summarized in Table 2.

Table 2: Existing and Proposed Land Use Mix

	Existing		Project	
Land Use Mix	**Total (sf)**	**Percent**	**Total (sf)**	**Percent**
Sound Stage	95,540	13%	350,000	19%
Production Support	325,450	44%	104,000	6%
Production Office	163,090	22%	700,000	37%
General Office	159,600	21%	700,000	37%
Retail	0	0%	20,000	1%
Total	**743,680**		**1,874,000**	

Based on the increases in total on-site development, GTC estimates that light truck activity at the Project Site would approximately double with completion of the Project, while heavy truck activity would approximately triple. The resulting truck trip estimates with the Project are shown in Table 3.

Table 3: Truck Trip Forecasts with Project

	Heavy	Light Trucks		
Scenario	**Trucks**	**5-ton**	**10-ton**	**Total**
Existing	13	22	43	78
With Project Completion	36	44	86	166
Net New	23	22	43	88

The truck trip forecasts are daily forecasts. Based on the existing counts from September 2019, truck trips occur as early as 4:00 A.M. and as late as 9:00 P.M., with the highest concentration between approximately 8:00 A.M. and 2:00 P.M. As a result, truck trips are dispersed throughout the day and do not tend to concentrate in any particular hour.

Attachment

Truck Counts

Prepared by City Count, LLC (www.citycount.com)

ADT Volume Report - Light Truck

Beverly & Genesee - Television City Driveway Count

Day: Tuesday, September 10, 2019 **City:** Los Angeles, CA

Daily Totals	Inbound	Outbound	Total
	31	24	55

AM	In		Out		Total		PM	In		Out		Total	
00:00	0		0		0		12:00	0		0		0	
00:15	0		0		0		12:15	0		0		0	
00:30	0		0		0		12:30	0		0		0	
00:45	0	0	0	0	0	0	12:45	2	2	0	0	2	2
01:00	0		0		0		13:00	1		1		2	
01:15	0		0		0		13:15	0		1		1	
01:30	0		0		0		13:30	0		1		1	
01:45	0	0	0	0	0	0	13:45	1	2	1	4	2	6
02:00	0		0		0		14:00	0		1		1	
02:15	0		0		0		14:15	2		0		2	
02:30	0		0		0		14:30	0		3		3	
02:45	0	0	0	0	0	0	14:45	1	3	1	5	2	8
03:00	0		0		0		15:00	1		0		1	
03:15	0		0		0		15:15	0		0		0	
03:30	0		0		0		15:30	1		0		1	
03:45	0	0	0	0	0	0	15:45	0	2	0	0	0	2
04:00	0		0		0		16:00	0		0		0	
04:15	0		0		0		16:15	0		0		0	
04:30	1		0		1		16:30	1		0		1	
04:45	0	1	0	0	0	1	16:45	0	1	0	0	0	1
05:00	0		1		1		17:00	0		0		0	
05:15	0		0		0		17:15	0		0		0	
05:30	1		0		1		17:30	0		0		0	
05:45	0	1	1	2	1	3	17:45	1	1	0	0	1	1
06:00	2		0		2		18:00	0		0		0	
06:15	0		0		0		18:15	0		0		0	
06:30	1		0		1		18:30	0		0		0	
06:45	0	3	1	1	1	4	18:45	0	0	0	0	0	0
07:00	0		1		1		19:00	0		1		1	
07:15	0		0		0		19:15	0		0		0	
07:30	0		0		0		19:30	0		0		0	
07:45	0	0	0	1	0	1	19:45	1	1	0	1	1	2
08:00	0		0		0		20:00	0		2		2	
08:15	1		0		1		20:15	0		0		0	
08:30	0		1		1		20:30	0		0		0	
08:45	0	1	0	1	0	2	20:45	0	0	0	2	0	2
09:00	0		0		0		21:00	0		0		0	
09:15	1		0		1		21:15	0		0		0	
09:30	3		0		3		21:30	0		0		0	
09:45	0	4	0	0	0	4	21:45	0	0	0	0	0	0
10:00	2		0		2		22:00	0		0		0	
10:15	2		1		3		22:15	0		0		0	
10:30	1		1		2		22:30	0		0		0	
10:45	0	5	3	5	3	10	22:45	0	0	0	0	0	0
11:00	1		0		1		23:00	0		0		0	
11:15	0		1		1		23:15	0		0		0	
11:30	2		0		2		23:30	0		0		0	
11:45	1	4	1	2	2	6	23:45	0	0	0	0	0	0
Totals		19		12	**31**		**Totals**		12		12	**24**	
Split %		61.3%		38.7%	**56.4%**		**Split %**		50.0%		50.0%	**43.6%**	

Daily Totals	Inbound	Outbound	Total
	31	24	55

Note: For the purpose of this count, a Light Truck is a commercial vehicle with a fixed frame (i.e., no trailer, such as a box truck).

Prepared by City Count, LLC (www.citycount.com)

ADT Volume Report - Light Truck

Beverly & Genesee - Television City Driveway Count

Day: Wednesday, September 11, 2019 **City:** Los Angeles, CA

Daily Totals	Inbound	Outbound	Total
	33	27	60

AM	In		Out		Total		PM	In		Out		Total	
00:00	0		0		0		12:00	1		2		3	
00:15	0		0		0		12:15	0		0		0	
00:30	0		0		0		12:30	1		1		2	
00:45	0	0	0	0	0	0	12:45	0	2	1	4	1	6
01:00	0		0		0		13:00	0		2		2	
01:15	0		0		0		13:15	2		0		2	
01:30	0		0		0		13:30	0		0		0	
01:45	0	0	0	0	0	0	13:45	1	3	2	4	3	7
02:00	0		0		0		14:00	2		0		2	
02:15	0		0		0		14:15	1		3		4	
02:30	0		0		0		14:30	0		0		0	
02:45	0	0	0	0	0	0	14:45	0	3	1	4	1	7
03:00	0		0		0		15:00	0		0		0	
03:15	0		0		0		15:15	0		0		0	
03:30	0		0		0		15:30	0		0		0	
03:45	0	0	0	0	0	0	15:45	0	0	0	0	0	0
04:00	0		0		0		16:00	3		0		3	
04:15	0		0		0		16:15	0		1		1	
04:30	0		0		0		16:30	2		0		2	
04:45	0	0	0	0	0	0	16:45	1	6	0	1	1	7
05:00	0		0		0		17:00	1		0		1	
05:15	0		0		0		17:15	0		1		1	
05:30	0		0		0		17:30	0		0		0	
05:45	0	0	0	0	0	0	17:45	0	1	0	1	0	2
06:00	1		0		1		18:00	0		0		0	
06:15	0		0		0		18:15	0		0		0	
06:30	0		0		0		18:30	0		0		0	
06:45	0	1	0	0	0	1	18:45	0	0	0	0	0	0
07:00	1		1		2		19:00	0		1		1	
07:15	0		2		2		19:15	0		0		0	
07:30	0		1		1		19:30	0		0		0	
07:45	0	1	0	4	0	5	19:45	0	0	0	1	0	1
08:00	1		0		1		20:00	1		0		1	
08:15	0		1		1		20:15	0		0		0	
08:30	0		0		0		20:30	0		0		0	
08:45	2	3	0	1	2	4	20:45	0	1	0	0	0	1
09:00	1		0		1		21:00	0		0		0	
09:15	0		1		1		21:15	0		0		0	
09:30	1		1		2		21:30	0		0		0	
09:45	1	3	0	2	1	5	21:45	0	0	0	0	0	0
10:00	1		1		2		22:00	0		0		0	
10:15	1		0		1		22:15	0		0		0	
10:30	0		0		0		22:30	0		0		0	
10:45	1	3	0	1	1	4	22:45	0	0	0	0	0	0
11:00	2		0		2		23:00	0		0		0	
11:15	1		2		3		23:15	0		0		0	
11:30	1		1		2		23:30	0		0		0	
11:45	2	6	1	4	3	10	23:45	0	0	0	0	0	0
Totals		17		12		**29**	**Totals**		16		15		**31**
Split %		58.6%		41.4%		**48.3%**	**Split %**		51.6%		48.4%		**51.7%**

Daily Totals	Inbound	Outbound	Total
	33	27	60

Note: For the purpose of this count, a Light Truck is a commercial vehicle with a fixed frame (i.e., no trailer, such as a box truck).

Prepared by City Count, LLC (www.citycount.com)

ADT Volume Report - Light Truck

Beverly & Genesee - Television City Driveway Count

Day: Thursday, September 12, 2019 **City:** Los Angeles, CA

Daily Totals	Inbound	Outbound	Total
	48	32	80

AM	In		Out		Total		PM	In		Out		Total	
00:00	0		0		0		12:00	1		0		1	
00:15	0		0		0		12:15	0		2		2	
00:30	0		0		0		12:30	0		0		0	
00:45	0	0	0	0	0	0	12:45	1	2	0	2	1	4
01:00	0		0		0		13:00	1		0		1	
01:15	0		0		0		13:15	0		0		0	
01:30	0		0		0		13:30	1		0		1	
01:45	0	0	0	0	0	0	13:45	0	2	0	0	0	2
02:00	0		0		0		14:00	0		1		1	
02:15	0		0		0		14:15	1		1		2	
02:30	0		0		0		14:30	0		1		1	
02:45	0	0	0	0	0	0	14:45	0	1	0	3	0	4
03:00	0		0		0		15:00	0		0		0	
03:15	0		0		0		15:15	0		0		0	
03:30	1		0		1		15:30	0		0		0	
03:45	0	1	0	0	0	1	15:45	1	1	1	1	2	2
04:00	0		0		0		16:00	0		0		0	
04:15	0		0		0		16:15	1		0		1	
04:30	0		0		0		16:30	2		0		2	
04:45	1	1	0	0	1	1	16:45	1	4	0	0	1	4
05:00	0		1		1		17:00	1		1		2	
05:15	0		0		0		17:15	0		0		0	
05:30	0		0		0		17:30	1		0		1	
05:45	0	0	0	1	0	1	17:45	1	3	0	1	1	4
06:00	1		0		1		18:00	1		0		1	
06:15	1		1		2		18:15	2		0		2	
06:30	1		1		2		18:30	0		1		1	
06:45	1	4	0	2	1	6	18:45	0	3	0	1	0	4
07:00	0		1		1		19:00	0		0		0	
07:15	1		5		6		19:15	0		0		0	
07:30	2		2		4		19:30	0		1		1	
07:45	0	3	1	9	1	12	19:45	0	0	0	1	0	1
08:00	0		0		0		20:00	0		0		0	
08:15	0		1		1		20:15	0		0		0	
08:30	0		1		1		20:30	0		0		0	
08:45	2	2	0	2	2	4	20:45	0	0	0	0	0	0
09:00	4		0		4		21:00	0		0		0	
09:15	1		1		2		21:15	0		0		0	
09:30	2		2		4		21:30	0		0		0	
09:45	2	9	0	3	2	12	21:45	0	0	0	0	0	0
10:00	3		0		3		22:00	0		0		0	
10:15	1		0		1		22:15	0		0		0	
10:30	3		3		6		22:30	0		0		0	
10:45	1	8	1	4	2	12	22:45	0	0	0	0	0	0
11:00	1		0		1		23:00	0		0		0	
11:15	1		0		1		23:15	0		0		0	
11:30	1		1		2		23:30	0		0		0	
11:45	1	4	1	2	2	6	23:45	0	0	0	0	0	0
Totals		32		23	55		Totals		16		9	25	
Split %		58.2%		41.8%	68.8%		Split %		64.0%		36.0%	31.3%	

Daily Totals	Inbound	Outbound	Total
	48	32	80

Note: For the purpose of this count, a Light Truck is a commercial vehicle with a fixed frame (i.e., no trailer, such as a box truck).

Prepared by City Count, LLC (www.citycount.com)

ADT Volume Report - Heavy Truck

Beverly & Genesee - Television City Driveway Count

Day: Tuesday, September 10, 2019 **City:** Los Angeles, CA

Daily Totals	Inbound	Outbound	Total
	6	5	11

AM	In		Out		Total		PM	In		Out		Total	
00:00	0		0		0		12:00	0		0		0	
00:15	0		0		0		12:15	0		0		0	
00:30	0		0		0		12:30	1		0		1	
00:45	0	0	0	0	0	0	12:45	0	1	0	0	0	1
01:00	0		0		0		13:00	0		0		0	
01:15	0		0		0		13:15	0		0		0	
01:30	0		0		0		13:30	0		0		0	
01:45	0	0	0	0	0	0	13:45	0	0	1	1	1	1
02:00	0		0		0		14:00	0		0		0	
02:15	0		0		0		14:15	0		0		0	
02:30	0		0		0		14:30	0		0		0	
02:45	0	0	0	0	0	0	14:45	0	0	0	0	0	0
03:00	0		0		0		15:00	0		0		0	
03:15	0		0		0		15:15	0		0		0	
03:30	0		0		0		15:30	0		0		0	
03:45	0	0	0	0	0	0	15:45	0	0	0	0	0	0
04:00	0		0		0		16:00	0		0		0	
04:15	0		0		0		16:15	0		0		0	
04:30	0		0		0		16:30	0		0		0	
04:45	0	0	0	0	0	0	16:45	0	0	0	0	0	0
05:00	0		0		0		17:00	0		0		0	
05:15	1		0		1		17:15	0		0		0	
05:30	0		0		0		17:30	0		0		0	
05:45	0	1	0	0	0	1	17:45	0	0	0	0	0	0
06:00	0		1		1		18:00	0		0		0	
06:15	0		0		0		18:15	0		0		0	
06:30	0		0		0		18:30	0		0		0	
06:45	0	0	0	1	0	1	18:45	0	0	0	0	0	0
07:00	1		0		1		19:00	1		0		1	
07:15	0		0		0		19:15	0		0		0	
07:30	0		1		1		19:30	0		0		0	
07:45	0	1	0	1	0	2	19:45	0	1	0	0	0	1
08:00	0		0		0		20:00	0		0		0	
08:15	1		0		1		20:15	0		0		0	
08:30	0		0		0		20:30	0		0		0	
08:45	1	2	0	0	1	2	20:45	0	0	0	0	0	0
09:00	0		1		1		21:00	0		0		0	
09:15	0		0		0		21:15	0		0		0	
09:30	0		1		1		21:30	0		0		0	
09:45	0	0	0	2	0	2	21:45	0	0	0	0	0	0
10:00	0		0		0		22:00	0		0		0	
10:15	0		0		0		22:15	0		0		0	
10:30	0		0		0		22:30	0		0		0	
10:45	0	0	0	0	0	0	22:45	0	0	0	0	0	0
11:00	0		0		0		23:00	0		0		0	
11:15	0		0		0		23:15	0		0		0	
11:30	0		0		0		23:30	0		0		0	
11:45	0	0	0	0	0	0	23:45	0	0	0	0	0	0
Totals		4		4	**8**		**Totals**		2		1	**3**	
Split %		50.0%		50.0%	**72.7%**		**Split %**		66.7%		33.3%	**27.3%**	

Daily Totals	Inbound	Outbound	Total
	6	5	11

Note: For the purpose of this count, a Heavy Truck is a commercial vehicle with a trailer.

Prepared by City Count, LLC (www.citycount.com)

ADT Volume Report - Heavy Truck

Beverly & Genesee - Television City Driveway Count

Day: Wednesday, September 11, 2019 **City:** Los Angeles, CA

Daily Totals	Inbound	Outbound	Total
	11	5	16

AM	In		Out		Total		PM	In		Out		Total	
00:00	0		0		0		12:00	0		0		0	
00:15	0		0		0		12:15	0		0		0	
00:30	0		0		0		12:30	0		0		0	
00:45	0	0	0	0	0	0	12:45	0	0	0	0	0	0
01:00	0		0		0		13:00	0		0		0	
01:15	0		0		0		13:15	1		0		1	
01:30	0		0		0		13:30	1		0		1	
01:45	0	0	0	0	0	0	13:45	0	2	0	0	0	2
02:00	0		0		0		14:00	0		0		0	
02:15	0		0		0		14:15	0		0		0	
02:30	0		0		0		14:30	0		1		1	
02:45	0	0	0	0	0	0	14:45	0	0	0	1	0	1
03:00	0		0		0		15:00	0		0		0	
03:15	0		0		0		15:15	0		0		0	
03:30	0		0		0		15:30	1		0		1	
03:45	0	0	0	0	0	0	15:45	0	1	0	0	0	1
04:00	0		0		0		16:00	0		0		0	
04:15	0		0		0		16:15	0		0		0	
04:30	0		0		0		16:30	0		0		0	
04:45	2	2	0	0	2	2	16:45	0	0	0	0	0	0
05:00	0		1		1		17:00	0		0		0	
05:15	0		0		0		17:15	0		0		0	
05:30	0		0		0		17:30	0		0		0	
05:45	0	0	0	1	0	1	17:45	0	0	0	0	0	0
06:00	0		0		0		18:00	0		0		0	
06:15	0		0		0		18:15	0		0		0	
06:30	0		0		0		18:30	0		0		0	
06:45	0	0	0	0	0	0	18:45	1	1	0	0	1	1
07:00	0		0		0		19:00	0		0		0	
07:15	1		0		1		19:15	0		0		0	
07:30	0		0		0		19:30	0		0		0	
07:45	0	1	0	0	0	1	19:45	0	0	0	0	0	0
08:00	0		0		0		20:00	0		0		0	
08:15	1		0		1		20:15	0		0		0	
08:30	1		0		1		20:30	0		0		0	
08:45	0	2	1	1	1	3	20:45	0	0	0	0	0	0
09:00	0		1		1		21:00	0		0		0	
09:15	0		0		0		21:15	0		0		0	
09:30	0		0		0		21:30	0		0		0	
09:45	0	0	0	1	0	1	21:45	0	0	0	0	0	0
10:00	0		0		0		22:00	0		0		0	
10:15	1		0		1		22:15	0		0		0	
10:30	0		0		0		22:30	0		0		0	
10:45	0	1	0	0	0	1	22:45	0	0	0	0	0	0
11:00	1		0		1		23:00	0		0		0	
11:15	0		1		1		23:15	0		0		0	
11:30	0		0		0		23:30	0		0		0	
11:45	0	1	0	1	0	2	23:45	0	0	0	0	0	0
Totals		7		4		**11**	**Totals**		4		1		**5**
Split %		63.6%		36.4%		**68.8%**	**Split %**		80.0%		20.0%		**31.3%**

Daily Totals	Inbound	Outbound	Total
	11	5	16

Note: For the purpose of this count, a Heavy Truck is a commercial vehicle with a trailer.

Prepared by City Count, LLC (www.citycount.com)

ADT Volume Report - Heavy Truck

Beverly & Genesee - Television City Driveway Count

Day: Thursday, September 12, 2019 **City:** Los Angeles, CA

Daily Totals	Inbound	Outbound	Total
	9	3	12

AM	In		Out		Total		PM	In		Out		Total	
00:00	0		0		0		12:00	1		0		1	
00:15	0		0		0		12:15	0		0		0	
00:30	0		0		0		12:30	0		0		0	
00:45	0	0	0	0	0	0	12:45	0	1	0	0	0	1
01:00	0		0		0		13:00	0		0		0	
01:15	0		0		0		13:15	2		0		2	
01:30	0		0		0		13:30	0		0		0	
01:45	0	0	0	0	0	0	13:45	0	2	0	0	0	2
02:00	0		0		0		14:00	0		1		1	
02:15	0		0		0		14:15	1		0		1	
02:30	0		0		0		14:30	0		0		0	
02:45	0	0	0	0	0	0	14:45	0	1	0	1	0	2
03:00	0		0		0		15:00	0		0		0	
03:15	0		0		0		15:15	0		0		0	
03:30	0		0		0		15:30	0		0		0	
03:45	0	0	0	0	0	0	15:45	0	0	0	0	0	0
04:00	0		0		0		16:00	0		0		0	
04:15	0		0		0		16:15	0		0		0	
04:30	0		0		0		16:30	0		0		0	
04:45	0	0	0	0	0	0	16:45	0	0	0	0	0	0
05:00	0		0		0		17:00	0		0		0	
05:15	0		0		0		17:15	0		0		0	
05:30	0		0		0		17:30	0		0		0	
05:45	0	0	0	0	0	0	17:45	0	0	0	0	0	0
06:00	0		0		0		18:00	0		0		0	
06:15	0		0		0		18:15	0		0		0	
06:30	0		0		0		18:30	0		0		0	
06:45	0	0	0	0	0	0	18:45	0	0	0	0	0	0
07:00	0		0		0		19:00	0		0		0	
07:15	0		0		0		19:15	0		0		0	
07:30	0		0		0		19:30	0		0		0	
07:45	0	0	0	0	0	0	19:45	0	0	0	0	0	0
08:00	0		0		0		20:00	0		0		0	
08:15	1		0		1		20:15	0		0		0	
08:30	0		0		0		20:30	0		0		0	
08:45	0	1	0	0	0	1	20:45	0	0	0	0	0	0
09:00	0		0		0		21:00	0		0		0	
09:15	1		1		2		21:15	0		0		0	
09:30	0		0		0		21:30	0		0		0	
09:45	1	2	0	1	1	3	21:45	0	0	0	0	0	0
10:00	0		0		0		22:00	0		0		0	
10:15	0		1		1		22:15	0		0		0	
10:30	0		0		0		22:30	0		0		0	
10:45	0	0	0	1	0	1	22:45	0	0	0	0	0	0
11:00	0		0		0		23:00	0		0		0	
11:15	1		0		1		23:15	0		0		0	
11:30	1		0		1		23:30	0		0		0	
11:45	0	2	0	0	0	2	23:45	0	0	0	0	0	0
Totals		5		2	7		Totals		4		1	5	
Split %		71.4%		28.6%	58.3%		Split %		80.0%		20.0%	41.7%	

Daily Totals	Inbound	Outbound	Total
	9	3	12

Note: For the purpose of this count, a Heavy Truck is a commercial vehicle with a trailer.

Appendix F

Spray Booth, Architectural Coatings, and Char Broiler Emissions Calculations

Television City Health Risk Assessment

Spray Booth Usage Summary - 2019-2021

South Coast AQMD

Annual Emission Report

Facility ID: **189282** *Reporting Year:* **2019-2021**

Facility Name: **Television City Productions, LLC**

Facility Type: **Entertainment**

Spray Coating/Spray Booth Process

		2019			2020			2021		
Process ID	Device ID	Gallons	ROG	PM	Gallons	ROG	PM	Gallons	ROG	PM
P 1	7	1.57	6.68	0.16	1.57	6.68	0.16	1.57	6.68	0.16
P 2	7	87.50	36.46	9.19	2.50	1.04	0.26	1.00	0.42	0.11
P 3	7	2.00	2.30	0.21	2.00	2.30	0.21	2.00	2.30	0.21
P 4	7	1.50	12.51	0.16	1.50	12.51	0.16	1.50	12.51	0.16
P 5	7	0.10	1.15	0.01	0.09	1.15	0.01	0.09	1.15	0.01
P 6	7	0.17	1.17	0.02	0.17	1.17	0.02	0.17	1.17	0.02
P 7	7	0.75	0.00	0.08	0.56	0.00	0.06	0.75	0.00	0.08
P 8	7	0.75	0.00	0.08	0.56	0.00	0.06	0.75	0.00	0.08
P 1	9	4.50	1.88	0.47	0.00	0.00	0.00	0.50	0.21	0.05
P 2	9	33.63	28.04	3.53	13.50	11.26	1.42	25.77	21.49	2.71
P 3	9	5.00	7.54	0.53	1.50	2.26	0.16	0.00	0.00	0.00
P 4	9	14.13	11.78	1.48	0.25	0.21	0.03	7.25	6.05	0.76
P 5	9	5.63	2.81	0.59	2.25	1.13	0.24	0.00	0.00	0.00
P 6	9	19.78	12.36	2.08	0.00	0.00	0.00	1.75	1.09	0.18
P 7	9	110.75	23.07	11.63	69.00	14.38	7.25	0.00	0.00	0.00
P 8	9	344.50	117.13	36.17	212.50	72.25	22.31	0.00	0.00	0.00
P 9	9	11.50	4.79	1.21	14.25	5.94	1.50	245.53	102.31	25.78
P 10	9	57.50	23.96	6.04	65.50	27.29	6.88	45.26	18.86	4.75
P 11	9	16.25	37.24	1.71	15.50	35.52	1.63	4.75	10.89	0.50
P 12	9	21.25	141.74	0.05	1.75	4.01	0.18	0.50	1.15	0.05
P 13	9	0.00	0.00	0.00	2.25	0.94	0.24	10.59	4.41	1.11
P 14	9	0.00	0.00	0.00	0.88	3.65	0.09	3.67	1.54	0.39
P 15	9	0.00	0.00	0.00	8.00	6.67	0.84	6.00	2.50	0.63
P 16	9	0.00	0.00	0.00	4.00	3.34	0.42	0.00	0.00	0.00
P 17	9	0.00	0.00	0.00	3.00	3.75	0.32	0.00	0.00	0.00
P 18	9	0.00	0.00	0.00	1.25	1.04	0.13	0.25	0.21	0.03
P 19	9	0.00	0.00	0.00	0.00	0.00	0.00	6.49	2.71	0.68
P 20	9	0.00	0.00	0.00	0.00	0.00	0.00	13.01	5.42	1.37
P 21	9	0.00	0.00	0.00	0.00	0.00	0.00	0.62	2.84	0.07
P 22	9	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.52	0.03
P 23	9	0.00	0.00	0.00	0.00	0.00	0.00	0.75	2.59	0.08
P 1	10	461.97	0.00	48.51	273.00	0.00	28.67	326.50	0.00	34.28
P 2	10	21.00	0.42	2.21	3.00	0.06	0.32	45.00	0.90	4.73
P 4	10	3.25	0.26	0.34	0.50	0.04	0.05	0.50	0.04	0.05
P 5	10	12.50	1.38	1.31	0.00	0.00	0.00	1.00	0.11	0.11
P 6	10	36.50	6.21	3.83	11.00	1.87	1.16	8.75	1.49	0.92

		2019			2020			2021		
Process ID	Device ID	Gallons	ROG	PM	Gallons	ROG	PM	Gallons	ROG	PM
P 7	10	1011.15	333.68	106.17	573.25	189.17	60.19	392.75	129.61	41.24
P 8	10	0.25	0.08	0.03	0.00	0.00	0.00	0.75	0.26	0.08
P 9	10	270.00	108.00	28.35	226.00	90.40	23.73	121.75	48.70	12.78
P 10	10	22.00	9.02	2.31	9.50	3.90	1.00	33.50	13.74	3.52
P 11	10	17.00	7.09	1.79	0.00	0.00	0.00	29.50	12.39	3.10
P 12	10	4.00	1.76	0.42	55.25	24.31	5.80	11.00	4.73	1.16
P 13	10	0.25	0.13	0.03	0.00	0.00	0.00	33.00	68.97	3.47
P 14	10	4.25	2.72	0.45	1.00	0.64	0.11	0.25	0.53	0.03
P 15	10	5.30	4.40	0.56	0.50	0.42	0.05	0.00	0.00	0.00
P 16	10	2.75	2.83	0.29	6.25	6.44	0.66	12.25	12.62	1.29
P 17	10	146.75	183.44	15.41	109.25	136.56	11.47	47.75	59.69	5.01
P 18	10	12.00	15.60	1.26	5.00	6.50	0.53	14.25	17.96	1.50
P 19	10	8.75	12.25	0.92	11.00	15.40	1.16	8.25	11.55	0.87
P 20	10	52.75	89.15	5.54	15.50	26.20	1.63	2.50	4.23	0.26
P 21	10	0.25	0.42	0.03	0.00	0.00	0.00	0.00	0.00	0.00
P 22	10	1.25	2.25	0.13	0.00	0.00	0.00	0.00	0.00	0.00
P 23	10	15.25	27.76	1.60	0.00	0.00	0.00	0.75	1.37	0.08
P 24	10	1.50	2.78	0.16	0.00	0.00	0.00	0.00	0.00	0.00
P 25	10	1.50	2.88	0.16	4.00	7.68	0.42	13.50	25.92	1.42
P 26	10	149.52	287.08	15.70	138.00	264.96	14.49	103.00	197.76	10.82
P 27	10	47.00	94.00	4.94	17.00	34.00	1.79	12.25	24.50	1.29
P 28	10	91.55	190.42	9.61	36.75	76.44	3.86	94.25	196.04	9.90
P 29	10	173.10	363.51	18.18	182.25	382.73	19.14	119.25	250.43	12.52
P 30	10	1.25	2.75	0.13	1.50	3.30	0.16	0.50	1.10	0.05
P 31	10	0.75	0.56	0.08	0.75	0.56	0.08	0.00	0.00	0.00
P 32	10	0.50	3.00	0.05	5.50	33.00	0.58	2.00	12.18	0.21
P 33	10	0.00	0.00	0.00	2.25	0.68	0.24	1.00	0.30	0.11
P 34	10	0.00	0.00	0.00	1.00	0.44	0.11	1.25	0.80	0.13
P 35	10	0.00	0.00	0.00	12.00	5.29	1.26	2.00	0.06	0.21
P 36	10	0.00	0.00	0.00	0.75	0.56	0.08	0.25	0.57	0.03
P 37	10	0.00	0.00	0.00	2.00	2.02	0.21	0.75	0.76	0.08
P 38	10	0.00	0.00	0.00	2.00	2.08	0.21	14.50	16.68	1.52
P 39	10	0.00	0.00	0.00	9.00	20.70	0.95	1.50	3.45	0.16
P 40	10	0.00	0.00	0.00	17.00	40.80	1.79	0.00	0.00	0.00
P 41	10	0.00	0.00	0.00	2.00	5.60	0.21	0.00	0.00	0.00
	Total	3315	2228	346	2158	1601	227	1837	1328	193
Total Reported			2227	345		1600	226		1327	193

Existing Average Daily Emissions in Pounds:	8.5	1.3
Buildout Average Daily Emissions in Pounds:	8.5	1.3
	3118.192	

Notes:

1: Historical usage from 2019 through 2021 shows a peak annual usage of 3,315 gallons per year in 2019. Note that Year 2020 and 2021 show a reduction in usage which was primarily a function of Covid restrictions and does not necessarily reflect existing normal operations. As shown in 2022 data logs, usage for Q1 was approximately 728.5 gallons (2,914 gallons scaled annually). Thus, use of 2019 data was selected to represent existing conditions. In addition, the AER emission calculations reflect HVLP 65% transfer efficiency and AQMD PM filtration default contol efficiency of 90% and 50% fallout. Average daily emissions reflect a 5 day work week.

2: The existing spray paint booths will be decommissioned upon buildout. Given the nature and logistics of production activities in newer studio facilities, spray paint booth usage is assumed herein not to increase as a result of the Project. Furthermore, any new spray paint booths at the Project Site would include the most up-to-date equipment, which would comply with SCAQMD requirements (e.g., more efficient paint sprayers and HEPA filtration (99.97% control efficiency) and SCAQMD permit conditions). Buildout emissions conservatively do not account for this reduction.

Television City Health Risk Assessment

Spray Booth Usage Records - 2019 AER Report

Coating, Adhesive, and Solvent Usage (For HRA)

AER Device ID	A/N	Process ID	Material Description	Usage	Usage (gal)	ROG (lbs)	PM (lbs)	Material	Application	Notes
ES7	610178	P1	Spray 77	1.57 gal	1.57	6.68	0.16	Adhesive	HVLP	MSDS <0.5% wt hexane (110-54-3); <0.3% wt toluene (108-88-3)
ES7	610178	P2	Evershield	87.50 gal	87.5	36.46	9.19	Topcoat	HVLP	
ES7	610178	P3	Rapid Tac	2.00 gal	2	2.3		solvent		Ethyl alcohol MSDS (CAS 64-17-5) No further analysis.
ES7	610178	P4	Bestine	1.50 gal	1.5	12.51		solvent		Heptane MSDS (142-82-5) No further analysis.
ES7	610178	P5	Krylon Clear	0.10 gal	0.1		0.01	Topcoat	HVLP	
ES7	610178	P6	Krylon Dulling	0.17 gal	0.17	1.17	0.02	Topcoat	HVLP	
ES7	610178	P7	Krylon Gloss	0.75 gal	0.75		0.08	Topcoat	HVLP	
ES7	610178	P8	Krylon Satin	0.75 gal	0.75		0.08	Topcoat	HVLP	
ES9	610186	P1	Fresh	4.50 gal	4.5	1.88	0.47	Topcoat	HVLP	
ES9	610186	P10	Ultra	57.50 gal	57.5	23.96	6.04	Topcoat	HVLP	
ES9	610186	P11	Valspar	16.25 gal	16.25	37.24	1.71	Topcoat	HVLP	
ES9	610186	P12	Acetone	21.25 gal	21.25	141.74		acetone		Acetone MSDS (67-64-1) No further analysis
ES9	610186	P2	Lux	33.63 gal	33.63	28.04	3.53	Topcoat	HVLP	
ES9	610186	P3	Pro Solutions	5.00 gal	5	7.54	0.53	Topcoat	HVLP	
ES9	610186	P4	Rustoleum	14.13 gal	14.13	11.78	1.48	Topcoat	HVLP	
ES9	610186	P5	Stripe 60	5.63 gal	5.63	2.81	0.59	Topcoat	HVLP	
ES9	610186	P6	Stripe 75	19.78 gal	19.78	12.36	2.08	Topcoat	HVLP	
ES9	610186	P7	Suprema 25	110.75 gal	110.75	23.07	11.63	Topcoat	HVLP	
ES9	610186	P8	Suprema 40	344.50 gal	344.5	117.13	36.17	Topcoat	HVLP	
ES9	610186	P9	Suprema 50	11.50 gal	11.5	4.79	1.21	Topcoat	HVLP	
ES10	610187	P1	Coating - 0.00	461.97 gal	461.97		48.51	Topcoat	HVLP	
ES10	610187	P10	Coating - 0.41	22.00 gal	22	9.02	2.31	Topcoat	HVLP	
ES10	610187	P11	Coating - 0.417	17.00 gal	17	7.09	1.79	Topcoat	HVLP	
ES10	610187	P12	Coating - 0.44	4.00 gal	4	1.76	0.42	Topcoat	HVLP	
ES10	610187	P13	Coating - 0.5	0.25 gal	0.25	0.13	0.03	Topcoat	HVLP	
ES10	610187	P14	Coating - 0.64	4.25 gal	4.25	2.72	0.45	Topcoat	HVLP	
ES10	610187	P15	Coating - 0.83	5.30 gal	5.3	4.4	0.56	Topcoat	HVLP	
ES10	610187	P16	Coating - 1.03	2.75 gal	2.75	2.83	0.29	Topcoat	HVLP	
ES10	610187	P17	Coating - 1.25	146.75 gal	146.75	183.44	15.41	Topcoat	HVLP	
ES10	610187	P18	Coating - 1.3	12.00 gal	12	15.6	1.26	Topcoat	HVLP	
ES10	610187	P19	Coating - 1.4	8.75 gal	8.75	12.25	0.92	Topcoat	HVLP	
ES10	610187	P20	Coating - 1.69	52.75 gal	52.75	89.15	5.54	Topcoat	HVLP	
ES10	610187	P21	Coating - 1.696	0.25 gal	0.25	0.42	0.03	Topcoat	HVLP	
ES10	610187	P22	Coating - 1.8	1.25 gal	1.25	2.25	0.13	Topcoat	HVLP	
ES10	610187	P23	Coating - 1.82	15.25 gal	15.25	27.76	1.6	Topcoat	HVLP	
ES10	610187	P24	Coating - 1.85	1.50 gal	1.5	2.78	0.16	Topcoat	HVLP	
ES10	610187	P25	Coating - 1.92	1.50 gal	1.5	2.88	0.16	Topcoat	HVLP	
ES10	610187	P26	Coating - 1.94	149.52 gal	149.52	287.08	15.7	Topcoat	HVLP	
ES10	610187	P27	Coating - 2.00	47.00 gal	47	94	4.94	Topcoat	HVLP	
ES10	610187	P28	Coating - 2.08	91.55 gal	91.55	190.42	9.61	Topcoat	HVLP	
ES10	610187	P29	Coating - 2.1	173.10 gal	173.1	363.51	18.18	Topcoat	HVLP	
ES10	610187	P3	Coating - 0.02	21.00 gal	21	0.42	2.21	Topcoat	HVLP	
ES10	610187	P30	Coating - 2.2	1.25 gal	1.25	2.75	0.13	Topcoat	HVLP	
ES10	610187	P31	Coating - 4.59	0.75 gal	0.75	0.56	0.08	Topcoat	HVLP	
ES10	610187	P32	Coating - 6.00	0.50 gal	0.5	3	0.05	Topcoat	HVLP	
ES10	610187	P4	Coating - 0.08	3.25 gal	3.25	0.26	0.34	Topcoat	HVLP	
ES10	610187	P5	Coating - 0.11	12.50 gal	12.5	1.38	1.31	Topcoat	HVLP	
ES10	610187	P6	Coating - 0.17	36.50 gal	36.5	6.21	3.83	Topcoat	HVLP	
ES10	610187	P7	Coating - 0.33	1,011.15 gal	1011.15	333.68	106.17	Topcoat	HVLP	
ES10	610187	P8	Coating - 0.336	0.25 gal	0.25	0.08	0.03	Topcoat	HVLP	
ES10	610187	P9	Coating - 0.4	270.00 gal	270	108	28.35	Topcoat	HVLP	
Total:					3289.85	2227.29	345.48	Topcoat/Adhesive		
ES7	610178				90.77	50.14	9.38	Topcoat		
ES9	610186				623.17	270.6	65.44	Topcoat		
ES10	610187				2575.84	1755.83	242.15	Topcoat		
Summary:										
				Spray 77	1.6	6.7	0.2			
			Coatings-Solvent Based		197.3	133.2	20.7			
			Coatings-Water Based		3091.0	2087.4	324.6			

	Water-based PM	Solvent Based PM	Spray 77 PM
Existing Control Factor (%)	90%	90%	90%
Uncontrolled Existing Emissions (lb/year)	3246.008	207.192	1.6
Future (Project) Control Factor (%)	99.97%	99.97%	99.97%
Controlled Future (Project) Emissions (lbs/year)	**0.9738024**	**0.0621576**	**0.00048**

The 2014 Survey showed that about 89 million gallons of architectural coatings were sold in California during 2013, with 6% of that volume coming from solvent-based products and 94% from water-based products. *Architectural Coatings Survey*. [cited 2022 January 4]; Available from: *https://ww2.arb.ca.gov/our-work/programs/coatings/architecturalcoatings/architectural-coatings-survey*.

G56070 (610178) M40 Scenic Arts Spray Booth; **G56079 (610186)** Facilities Paint Shop; & **G56080 (610187)** Mill-1968

Television City Health Risk Assessment

Spray Booth Emissions - Existing Uses

Water-Based Coating (ROG/TOG Ratio)[a]	0.6999
Solvent-Based Coating (ROG/TOG Ratio)[a]	0.996

[a] California Air Resources Board, ww3.arb.ca.gov/ei/speciate/speciate.htm; ww3.arb.ca.gov/ei/speciate/chem14dec18.zip;

Emissions Summary

	Usage (gal)	TOG (lbs/year)	PM (lbs/year)
Coatings-Solvent Based	197.3	132.7	20.7
Coatings-Water Based	3091.0	1461.0	324.6
Spray 77	1.6	6.7	0.2

Solvent Based Distribution

	Stack Diameter (m)	TOG (lbs/year)	PM (lbs/year)
Paint Booth 1 - Facilities Paint Booth[b]	0.81	51	8
Paint Booth 2 - Mill Spray Booth	1.01	63	10
Paint Booth 3 - M40 Scenic Arts	0.30	19	3

[b] The site currently has 4 paint booths, but one paint booth has been decommissioned.

Water Based Distribution

	Stack Diameter (m)	TOG (lbs/year)	PM (lbs/year)
Paint Booth 1 - Facilities Paint Booth	0.81	557	124
Paint Booth 2 - Mill Spray Booth	1.01	695	154
Paint Booth 3 - M40 Scenic Arts	0.30	209	46

Spray 77 Distribution

	Stack Diameter (m)	TOG (lbs/year)	PM (lbs/year)
Paint Booth 1 - Facilities Paint Booth	0.81	3	0
Paint Booth 2 - Mill Spray Booth	1.01	3	0
Paint Booth 3 - M40 Scenic Arts	0.30	1	0

Emissions Breakdown by Stack

Hours per Day	8
Days per Year[a]	260

TOG Emissions (Solvent Based)

HARP ID	lbs/hr	lbs/year
PAINT1	0.024	50.6
PAINT2	0.030	63.1
PAINT3	0.009	19.0

TOG Emissions (Water Based)

HARP ID	lbs/hr	lbs/year
PAINT1	0.268	557.2
PAINT2	0.334	695.0
PAINT3	0.100	208.7

TOG Emissions (Spray 77)

HARP ID	lbs/hr	lbs/year
PAINT1	0.001	2.5
PAINT2	0.002	3.2
PAINT3	0.000	1.0

[a] Assumes 5-day per week operation

Speciation Profile - 3903 Architectural Coatings - Solvent-Based

Chemical Name	CAS No. /HARP ID	Speciation (%)	Emissions (lbs/hr)	Emissions (lbs/year)	HARP ID
Ethyl benzene	100414	0.00567935	0.0001	0.0070	PAINT1
Ethylene glycol	107211	0.00006736	0.0000	0.0001	PAINT1
ethylene glycol butyl ether – EGBE (2-butoxy ethanol; butyl cellosolve)	111762	0.0070311	0.0002	0.0087	PAINT1
Isopropyl alcohol (isopropanol)	67630	0.00613128	0.0001	0.0076	PAINT1
Methanol (methyl alcohol)	67561	0.000681	0.0000	0.0008	PAINT1
Methyl ethyl ketone (MEK) (2-butanone)	78933	0.00201412	0.0000	0.0025	PAINT1
Parachlorobenzotrifluoride {PCBTF}	98566	0.13635893	0.0033	0.1680	PAINT1
Perchloroethylene (tetrachloroethylene)	127184	0.00131657	0.0000	0.0016	PAINT1
Propylene glycol monomethyl ether	107982	0.00169482	0.0000	0.0021	PAINT1
Styrene	100425	0.00015153	0.0000	0.0002	PAINT1
Tertiary Butyl Acetate (TBAc)	540885	0.00445752	0.0001	0.0055	PAINT1
Toluene	108883	0.005578	0.0001	0.0069	PAINT1
Xylenes (mixed isomers)	1330207	0.00019418	0.0000	0.0002	PAINT1
m-xylene	108383	0.00019418	0.0000	0.0002	PAINT1
Ethyl benzene	100414	0.00567935	0.0002	0.0109	PAINT2
Ethylene glycol	107211	0.00006736	0.0000	0.0001	PAINT2
ethylene glycol butyl ether – EGBE (2-butoxy ethanol; butyl cellosolve)	111762	0.0070311	0.0002	0.0135	PAINT2
Isopropyl alcohol (isopropanol)	67630	0.00613128	0.0002	0.0118	PAINT2
Methanol (methyl alcohol)	67561	0.000681	0.0000	0.0013	PAINT2
Methyl ethyl ketone (MEK) (2-butanone)	78933	0.00201412	0.0001	0.0039	PAINT2
Parachlorobenzotrifluoride {PCBTF}	98566	0.13635893	0.0041	0.2614	PAINT2
Perchloroethylene (tetrachloroethylene)	127184	0.00131657	0.0000	0.0025	PAINT2
Propylene glycol monomethyl ether	107982	0.00169482	0.0001	0.0032	PAINT2
Styrene	100425	0.00015153	0.0000	0.0003	PAINT2
Tertiary Butyl Acetate (TBAc)	540885	0.00445752	0.0001	0.0085	PAINT2
Toluene	108883	0.005578	0.0002	0.0107	PAINT2
Xylenes (mixed isomers)	1330207	0.00019418	0.0000	0.0004	PAINT2
m-xylene	108383	0.00019418	0.0000	0.0004	PAINT2
Ethyl benzene	100414	0.00567935	0.0001	0.0010	PAINT3
Ethylene glycol	107211	0.00006736	0.0000	0.0000	PAINT3
ethylene glycol butyl ether – EGBE (2-butoxy ethanol; butyl cellosolve)	111762	0.0070311	0.0001	0.0012	PAINT3
Isopropyl alcohol (isopropanol)	67630	0.00613128	0.0001	0.0011	PAINT3
Methanol (methyl alcohol)	67561	0.000681	0.0000	0.0001	PAINT3
Methyl ethyl ketone (MEK) (2-butanone)	78933	0.00201412	0.0000	0.0003	PAINT3
Parachlorobenzotrifluoride {PCBTF}	98566	0.13635893	0.0012	0.0236	PAINT3
Perchloroethylene (tetrachloroethylene)	127184	0.00131657	0.0000	0.0002	PAINT3
Propylene glycol monomethyl ether	107982	0.00169482	0.0000	0.0003	PAINT3
Styrene	100425	0.00015153	0.0000	0.0000	PAINT3
Tertiary Butyl Acetate (TBAc)	540885	0.00445752	0.0000	0.0008	PAINT3
Toluene	108883	0.005578	0.0001	0.0010	PAINT3
Xylenes (mixed isomers)	1330207	0.00019418	0.0000	0.0000	PAINT3
m-xylene	108383	0.00019418	0.0000	0.0000	PAINT3
Speciation Profile - 3904 Architectural Coatings - Water-Based					
Ethyl benzene	100414	0.0001	0.0000	0.0120	PAINT1
Ethylene glycol	107211	0.1531	0.0410	22.8555	PAINT1
ethylene glycol butyl ether – EGBE (2-butoxy ethanol; butyl cellosolve)	111762	0.0140	0.0037	2.0882	PAINT1
Isopropyl alcohol (isopropanol)	67630	0.0019	0.0005	0.2829	PAINT1
Methanol (methyl alcohol)	67561	0.0226	0.0061	3.3741	PAINT1
Parachlorobenzotrifluoride {PCBTF}	98566	0.0016	0.0004	0.2364	PAINT1
Propylene glycol monomethyl ether	107982	0.0005	0.0001	0.0773	PAINT1
Triethylamine	121448	0.0014	0.0004	0.2038	PAINT1
Vinyl acetate	108054	0.0003	0.0001	0.0479	PAINT1

Chemical Name	CAS No. /HARP ID	Speciation (%)	Emissions (lbs/hr)	Emissions (lbs/year)	HARP ID
m-xylene	108383	0.0001	0.0000	0.0118	PAINT1
Ethyl benzene	100414	0.0001	0.0000	0.0187	PAINT2
Ethylene glycol	107211	0.1531	0.0512	35.5513	PAINT2
ethylene glycol butyl ether – EGBE (2-butoxy ethanol; butyl cellosolve)	111762	0.0140	0.0047	3.2482	PAINT2
Isopropyl alcohol (isopropanol)	67630	0.0019	0.0006	0.4401	PAINT2
Methanol (methyl alcohol)	67561	0.0226	0.0076	5.2483	PAINT2
Parachlorobenzotrifluoride {PCBTF}	98566	0.0016	0.0005	0.3678	PAINT2
Propylene glycol monomethyl ether	107982	0.0005	0.0002	0.1203	PAINT2
Triethylamine	121448	0.0014	0.0005	0.3170	PAINT2
Vinyl acetate	108054	0.0003	0.0001	0.0744	PAINT2
m-xylene	108383	0.0001	0.0000	0.0184	PAINT2
Ethyl benzene	100414	0.0001	0.0000	0.0017	PAINT3
Ethylene glycol	107211	0.1531	0.0154	3.2060	PAINT3
ethylene glycol butyl ether – EGBE (2-butoxy ethanol; butyl cellosolve)	111762	0.0140	0.0014	0.2929	PAINT3
Isopropyl alcohol (isopropanol)	67630	0.0019	0.0002	0.0397	PAINT3
Methanol (methyl alcohol)	67561	0.0226	0.0023	0.4733	PAINT3
Parachlorobenzotrifluoride {PCBTF}	98566	0.0016	0.0002	0.0332	PAINT3
Propylene glycol monomethyl ether	107982	0.0005	0.0001	0.0108	PAINT3
Triethylamine	121448	0.0014	0.0001	0.0286	PAINT3
Vinyl acetate	108054	0.0003	0.0000	0.0067	PAINT3
m-xylene	108383	0.0001	0.0000	0.0017	PAINT3
Speciation Profile - Spray 77					
Hexane, n-	110543	0.0050	6.1E-06	0.0000	PAINT1
Toluene	108883	0.0030	3.7E-06	0.0000	PAINT1
Hexane, n-	110543	0.0050	7.6E-06	0.0000	PAINT2
Toluene	108883	0.0030	4.6E-06	0.0000	PAINT2
Hexane, n-	110543	0.0050	2.3E-06	0.0000	PAINT3
Toluene	108883	0.0030	1.4E-06	0.0000	PAINT3
Speciation Profile - 2202 Paint Application-Water Based					
Cobalt	7440484	0.0002	2.5E-02	0.0083	PAINT1
Lead and compounds (inorganic) (note 4)	7439921	0.0009	1.1E-01	0.0974	PAINT1
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.0005	6.2E-02	0.0541	PAINT1
Cobalt	7440484	0.0002	2.5E-02	0.0216	PAINT2
Lead and compounds (inorganic) (note 4)	7439921	0.0009	1.1E-01	0.0974	PAINT2
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.0005	6.2E-02	0.0541	PAINT2
Cobalt	7440484	0.0002	2.5E-02	0.0216	PAINT3
Lead and compounds (inorganic) (note 4)	7439921	0.0009	1.1E-01	0.0974	PAINT3
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.0005	6.2E-02	0.0541	PAINT3
Speciation Profile - 2201 Paint Application-Oil Based					
Cadmium and compounds (note 4)	7440439	0.0014	1.1E-02	0.0111	PAINT1
Chlorine	7782505	0.0049	3.9E-02	0.0387	PAINT1
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.0757	6.0E-01	0.5982	PAINT1
Cadmium and compounds (note 4)	7440439	0.0014	1.4E-02	0.0138	PAINT2
Chlorine	7782505	0.0049	4.8E-02	0.0483	PAINT2
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.0757	7.5E-01	0.7461	PAINT2
Cadmium and compounds (note 4)	7440439	0.0014	4.1E-03	0.0041	PAINT3
Chlorine	7782505	0.0049	1.5E-02	0.0145	PAINT3
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.0757	2.2E-01	0.2241	PAINT3

Television City Health Risk Assessment

Spray Booth Emissions - Project

Water-Based Coating (ROG/TOG Ratio)[a]	0.6999
Solvent-Based Coating (ROG/TOG Ratio)[a]	0.996

[a] California Air Resources Board, ww3.arb.ca.gov/ei/speciate/speciate.htm; ww3.arb.ca.gov/ei/speciate/chem14dec18.zip;

Emissions Summary			
	Usage (gal)	**TOG (lbs/year)**	**PM (lbs/year)**
Coatings-Solvent Based	197.3	132.7	0.1
Coatings-Water Based	3091.0	1461.0	1.0
Spray 77	1.6	6.7	0.0
Hours per Day	8.0		
Days per Year[a]	260.0		
		TOG (lbs/hr)	**PM (lbs/hr)**
Coatings-Solvent Based		0.06	3.0E-05
Coatings-Water Based		0.70	4.7E-04
Spray 77		0.003	2.3E-07

[a] Assumes 5-day per week operation

Speciation Profile - 3903 Architectural Coatings - Solvent-Based

Chemical Name	CAS No. /HARP ID	Speciation (%)	Emissions (lbs/hr)	Emissions (lbs/year)	HARP ID
Ethyl benzene	100414	0.00567935	0.0004	0.2513	PAINT1
Ethylene glycol	107211	0.00006736	0.0000	0.0030	PAINT1
ethylene glycol butyl ether – EGBE (2-butoxy ethanol; butyl cellosolve)	111762	0.0070311	0.0004	0.3111	PAINT1
Isopropyl alcohol (isopropanol)	67630	0.00613128	0.0004	0.2713	PAINT1
Methanol (methyl alcohol)	67561	0.000681	0.0000	0.0301	PAINT1
Methyl ethyl ketone (MEK) (2-butanone)	78933	0.00201412	0.0001	0.0891	PAINT1
Parachlorobenzotrifluoride {PCBTF}	98566	0.13635893	0.0087	6.0330	PAINT1
Perchloroethylene (tetrachloroethylene)	127184	0.00131657	0.0001	0.0582	PAINT1
Propylene glycol monomethyl ether	107982	0.00169482	0.0001	0.0750	PAINT1
Styrene	100425	0.00015153	0.0000	0.0067	PAINT1
Tertiary Butyl Acetate (TBAc)	540885	0.00445752	0.0003	0.1972	PAINT1
Toluene	108883	0.005578	0.0004	0.2468	PAINT1
Xylenes (mixed isomers)	1330207	0.00019418	0.0000	0.0086	PAINT1
m-xylene	108383	0.00019418	0.0000	0.0086	PAINT1
Ethyl benzene	100414	0.00567935	0.0004	0.2513	PAINT2
Ethylene glycol	107211	0.00006736	0.0000	0.0030	PAINT2
ethylene glycol butyl ether – EGBE (2-butoxy ethanol; butyl cellosolve)	111762	0.0070311	0.0004	0.3111	PAINT2
Isopropyl alcohol (isopropanol)	67630	0.00613128	0.0004	0.2713	PAINT2
Methanol (methyl alcohol)	67561	0.000681	0.0000	0.0301	PAINT2
Methyl ethyl ketone (MEK) (2-butanone)	78933	0.00201412	0.0001	0.0891	PAINT2
Parachlorobenzotrifluoride {PCBTF}	98566	0.13635893	0.0087	6.0330	PAINT2
Perchloroethylene (tetrachloroethylene)	127184	0.00131657	0.0001	0.0582	PAINT2
Propylene glycol monomethyl ether	107982	0.00169482	0.0001	0.0750	PAINT2
Styrene	100425	0.00015153	0.0000	0.0067	PAINT2
Tertiary Butyl Acetate (TBAc)	540885	0.00445752	0.0003	0.1972	PAINT2
Toluene	108883	0.005578	0.0004	0.2468	PAINT2
Xylenes (mixed isomers)	1330207	0.00019418	0.0000	0.0086	PAINT2
m-xylene	108383	0.00019418	0.0000	0.0086	PAINT2
Ethyl benzene	100414	0.00567935	0.0004	0.2513	PAINT3
Ethylene glycol	107211	0.00006736	0.0000	0.0030	PAINT3
ethylene glycol butyl ether – EGBE (2-butoxy ethanol; butyl cellosolve)	111762	0.0070311	0.0004	0.3111	PAINT3
Isopropyl alcohol (isopropanol)	67630	0.00613128	0.0004	0.2713	PAINT3
Methanol (methyl alcohol)	67561	0.000681	0.0000	0.0301	PAINT3
Methyl ethyl ketone (MEK) (2-butanone)	78933	0.00201412	0.0001	0.0891	PAINT3
Parachlorobenzotrifluoride {PCBTF}	98566	0.13635893	0.0087	6.0330	PAINT3
Perchloroethylene (tetrachloroethylene)	127184	0.00131657	0.0001	0.0582	PAINT3
Propylene glycol monomethyl ether	107982	0.00169482	0.0001	0.0750	PAINT3
Styrene	100425	0.00015153	0.0000	0.0067	PAINT3
Tertiary Butyl Acetate (TBAc)	540885	0.00445752	0.0003	0.1972	PAINT3
Toluene	108883	0.005578	0.0004	0.2468	PAINT3
Xylenes (mixed isomers)	1330207	0.00019418	0.0000	0.0086	PAINT3
m-xylene	108383	0.00019418	0.0000	0.0086	PAINT3

Chemical Name	CAS No. /HARP ID	Speciation (%)	Emissions (lbs/hr)	Emissions (lbs/year)	HARP ID
Speciation Profile - 3904 Architectural Coatings - Water-Based					
Ethyl benzene	100414	0.0001	0.0001	0.0000	PAINT1
Ethylene glycol	107211	0.1531	0.1075	0.0497	PAINT1
ethylene glycol butyl ether – EGBE (2-butoxy ethanol; butyl cellosolve)	111762	0.0140	0.0098	0.0045	PAINT1
Isopropyl alcohol (isopropanol)	67630	0.0019	0.0013	0.0006	PAINT1
Methanol (methyl alcohol)	67561	0.0226	0.0159	0.0073	PAINT1
Parachlorobenzotrifluoride {PCBTF}	98566	0.0016	0.0011	0.0005	PAINT1
Propylene glycol monomethyl ether	107982	0.0005	0.0004	0.0002	PAINT1
Triethylamine	121448	0.0014	0.0010	0.0004	PAINT1
Vinyl acetate	108054	0.0003	0.0002	0.0001	PAINT1
m-xylene	108383	0.0001	0.0001	0.0000	PAINT1
Ethyl benzene	100414	0.0001	0.0001	0.0000	PAINT2
Ethylene glycol	107211	0.1531	0.1075	0.0497	PAINT2
ethylene glycol butyl ether – EGBE (2-butoxy ethanol; butyl cellosolve)	111762	0.0140	0.0098	0.0045	PAINT2
Isopropyl alcohol (isopropanol)	67630	0.0019	0.0013	0.0006	PAINT2
Methanol (methyl alcohol)	67561	0.0226	0.0159	0.0073	PAINT2
Parachlorobenzotrifluoride {PCBTF}	98566	0.0016	0.0011	0.0005	PAINT2
Propylene glycol monomethyl ether	107982	0.0005	0.0004	0.0002	PAINT2
Triethylamine	121448	0.0014	0.0010	0.0004	PAINT2
Vinyl acetate	108054	0.0003	0.0002	0.0001	PAINT2
m-xylene	108383	0.0001	0.0001	0.0000	PAINT2
Ethyl benzene	100414	0.0001	0.0001	0.0000	PAINT3
Ethylene glycol	107211	0.1531	0.1075	0.0497	PAINT3
ethylene glycol butyl ether – EGBE (2-butoxy ethanol; butyl cellosolve)	111762	0.0140	0.0098	0.0045	PAINT3
Isopropyl alcohol (isopropanol)	67630	0.0019	0.0013	0.0006	PAINT3
Methanol (methyl alcohol)	67561	0.0226	0.0159	0.0073	PAINT3
Parachlorobenzotrifluoride {PCBTF}	98566	0.0016	0.0011	0.0005	PAINT3
Propylene glycol monomethyl ether	107982	0.0005	0.0004	0.0002	PAINT3
Triethylamine	121448	0.0014	0.0010	0.0004	PAINT3
Vinyl acetate	108054	0.0003	0.0002	0.0001	PAINT3
m-xylene	108383	0.0001	0.0001	0.0000	PAINT3

Chemical Name	CAS No. /HARP ID	Speciation (%)	Emissions (lbs/hr)	Emissions (lbs/year)	HARP ID
Speciation Profile - Spray 77					
Hexane, n-	110543	0.0050	0.0000	0.0000	PAINT1
Toluene	108883	0.0030	0.0000	0.0000	PAINT1
Hexane, n-	110543	0.0050	0.0000	0.0000	PAINT2
Toluene	108883	0.0030	0.0000	0.0000	PAINT2
Hexane, n-	110543	0.0050	0.0000	0.0000	PAINT3
Toluene	108883	0.0030	0.0000	0.0000	PAINT3
Speciation Profile - 2202 Paint Application-Water Based					
Cobalt	7440484	0.0002	9.4E-08	0.0001	PAINT1
Lead and compounds (inorganic) (note 4)	7439921	0.0009	4.2E-07	0.0003	PAINT1
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.0005	2.3E-07	0.0002	PAINT1
Cobalt	7440484	0.0002	9.4E-08	0.0001	PAINT2
Lead and compounds (inorganic) (note 4)	7439921	0.0009	4.2E-07	0.0003	PAINT2
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.0005	2.3E-07	0.0002	PAINT2
Cobalt	7440484	0.0002	9.4E-08	0.0001	PAINT3
Lead and compounds (inorganic) (note 4)	7439921	0.0009	4.2E-07	0.0003	PAINT3
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.0005	2.3E-07	0.0002	PAINT3
Speciation Profile - 2201 Paint Application-Oil Based					
Cadmium and compounds (note 4)	7440439	0.0014	4.2E-08	0.0000	PAINT1
Chlorine	7782505	0.0049	1.5E-07	0.0001	PAINT1
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.0757	2.3E-06	0.0016	PAINT1
Cadmium and compounds (note 4)	7440439	0.0014	4.2E-08	0.0000	PAINT2
Chlorine	7782505	0.0049	1.5E-07	0.0001	PAINT2
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.0757	2.3E-06	0.0016	PAINT2
Cadmium and compounds (note 4)	7440439	0.0014	4.2E-08	0.0000	PAINT3
Chlorine	7782505	0.0049	1.5E-07	0.0001	PAINT3
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.0757	2.3E-06	0.0016	PAINT3

Television City Health Risk Assessment

Architectural Coatings - Existing Operations / Maintenance

Paint Parameters

Water-Based Coating (%)[a]	0.94
Water-Based Coating (ROG/TOG Ratio)	0.6999
Solvent-Based Coating (%)[a]	0.06
Solvent-Based Coating (ROG/TOG Ratio)	0.996

Architectural Coatings ROG Emissions

Source	lbs/hr	lbs/year	Notes
ROG (Total)[b]	0.242	706.0	
TOG (Water-Based Coating)	0.32	948	Converted from ROG to TOG
TOG (Solvent-Based Coating)	0.01	43	

[a] California Air Resources Board, Architectural Coatings Survey, May 6, 2022

[b] Please refer to CalEEMod Outputs provided in Appendix A of the Confirmatory Analysis

Speciation Profile - 3904 Architectural Coatings - Water-Based and 2202 Paint Application-Water Based

Chemical Name	CAS No. /HARP ID	Speciation (%)	Emissions (lbs/hr)	Emissions (lbs/year)
Ethyl benzene	100414	0.0000805	6.5E-06	0.0
Ethylene glycol	107211	0.1530927	1.2E-02	36.3
Ethylene glycol butyl ether – EGBE (see Glycol ethers)	111762	0.0139874	1.1E-03	3.3
Isopropyl alcohol (isopropanol)	67630	0.0018951	1.5E-04	0.4
Methanol (methyl alcohol)	67561	0.0226005	1.8E-03	5.4
Parachlorobenzotrifluoride {PCBTF}	98566	0.0015837	1.3E-04	0.4
Propylene glycol monomethyl ether	107982	0.0005179	4.2E-05	0.1
Triethylamine	121448	0.0013649	1.1E-04	0.3
Vinyl acetate	108054	0.0003205	2.6E-05	0.1
m-xylene	108383	0.0000793	6.4E-06	0.0
Ethyl benzene	100414	0.0056794	2.1E-05	0.1
Ethylene glycol	107211	0.0000674	2.5E-07	0.0
ethylene glycol butyl ether – EGBE (2-butoxy ethanol; butyl cellosolve)	111762	0.0070311	2.6E-05	0.1
Isopropyl alcohol (isopropanol)	67630	0.0061313	2.2E-05	0.1
Methanol (methyl alcohol)	67561	0.0006810	2.5E-06	0.0
Methyl ethyl ketone (MEK) (2-butanone)	78933	0.0020141	7.3E-06	0.0
Parachlorobenzotrifluoride {PCBTF}	98566	0.1363589	5.0E-04	1.4
Perchloroethylene (tetrachloroethylene)	127184	0.0013166	4.8E-06	0.0
Propylene glycol monomethyl ether	107982	0.0016948	6.2E-06	0.0
Styrene	100425	0.0001515	5.5E-07	0.0
Tertiary Butyl Acetate (TBAc)	540885	0.0044575	1.6E-05	0.0
Toluene	108883	0.0055780	2.0E-05	0.1
Xylenes (mixed isomers)	1330207	0.0001942	7.1E-07	0.0

Television City Health Risk Assessment

Architectural Coatings - Project Operations / Maintenance

Paint Parameters

Water-Based Coating (%)	0.94
Water-Based Coating (ROG/TOG Ratio)	0.6999
Solvent-Based Coating (%)	0.06
Solvent-Based Coating (ROG/TOG Ratio)	0.996

Architectural Coatings ROG Emissions

Source	lbs/hr	lbs/year	Notes
ROG (Total)	0.615	1,796	From CalEEMod Outputs (Daily and Annual)
TOG (Water-Based Coating)	0.83	2,412	Converted from ROG to TOG
TOG (Solvent-Based Coating)	0.04	108	

Speciation Profile - 3904 Architectural Coatings - Water-Based and 2202 Paint Application-Water Based

Chemical Name	CAS No. /HARP ID	Speciation (%)	Emissions (lbs/hr)	Emissions (lbs/year)
Ethyl benzene	100414	0.0000805	1.7E-05	0.0
Ethylene glycol	107211	0.1530927	3.2E-02	92.3
Ethylene glycol butyl ether – EGBE (see Glycol ethers)	111762	0.0139874	2.9E-03	8.4
Isopropyl alcohol (isopropanol)	67630	0.0018951	3.9E-04	1.1
Methanol (methyl alcohol)	67561	0.0226005	4.7E-03	13.6
Parachlorobenzotrifluoride {PCBTF}	98566	0.0015837	3.3E-04	1.0
Propylene glycol monomethyl ether	107982	0.0005179	1.1E-04	0.3
Triethylamine	121448	0.0013649	2.8E-04	0.8
Vinyl acetate	108054	0.0003205	6.6E-05	0.2
m-xylene	108383	0.0000793	1.6E-05	0.0
Ethyl benzene	100414	0.0056794	5.3E-05	0.2
Ethylene glycol	107211	0.0000674	6.2E-07	0.0
ethylene glycol butyl ether – EGBE (2-butoxy ethanol; butyl cellosolve)	111762	0.0070311	6.5E-05	0.2
Isopropyl alcohol (isopropanol)	67630	0.0061313	5.7E-05	0.2
Methanol (methyl alcohol)	67561	0.0006810	6.3E-06	0.0
Methyl ethyl ketone (MEK) (2-butanone)	78933	0.0020141	1.9E-05	0.1
Parachlorobenzotrifluoride {PCBTF}	98566	0.1363589	1.3E-03	3.7
Perchloroethylene (tetrachloroethylene)	127184	0.0013166	1.2E-05	0.0
Propylene glycol monomethyl ether	107982	0.0016948	1.6E-05	0.0
Styrene	100425	0.0001515	1.4E-06	0.0
Tertiary Butyl Acetate (TBAc)	540885	0.0044575	4.1E-05	0.1
Toluene	108883	0.0055780	5.2E-05	0.2
Xylenes (mixed isomers)	1330207	0.0001942	1.8E-06	0.0

Television City Health Risk Assessment

Charbroiler Emissions Calculations

CHARBROILER

Existing	**Peak Daily**	**Average Daily**
# of Food Trucks Not Equipped with Cooking Eq	12	6
# of Food Trucks Equipped with Charboiler	6	3
# of Food Trucks Equipped with Griddle	6	3
Hours of Operation per Day On-Site	5	4
Days per year		260

		SCAQMD Rule 1138 - Appendix I		Emissions Max Daily				Emissions Annual				Emissions Average Daily		
Emission Factors	Quantity per Hour per truck (lbs)	PM (lb/1,000 lb)	ROG (lb/1,000 lb)	PM (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)	ROG (lbs/day)	PM (lbs/year)	PM10 (lbs/year)	PM2.5 (lbs/year)	ROG (lbs/year)	PM10 (lbs/day)	PM2.5 (lbs/day)	ROG (lbs/day)
Under-Fired Broiler														
25% Fat Hamburger	3.75	32.65	3.94	3.7	2.6	1.5	0.4	382.0	267.4	152.8	46.1	1.0	0.6	0.2
Chicken	5.625	10.48	1.82	1.8	1.2	0.7	0.3	183.9	128.7	73.6	31.9	0.5	0.3	0.1
Steak (e.g., burrito)	3.75	17.19	0.86	1.9	1.4	0.8	0.10	201.1	140.8	80.4	10.1	0.5	0.3	0.0
Fish	3.75	3.3	0.38	0.4	0.3	0.1	0.04	38.6	27.0	15.4	4.4	0.1	0.1	0.0
Griddle														
24% fat hamburger	7.5	5.08	0.07	1.1	0.8	0.5	0.0	118.9	83.2	47.5	1.6	0.3	0.2	0.0
sk-boneless chicken breast	15	BDL*	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.7	0.0	0.0	0.1
Total				8.9	6.2	3.6	0.9	924.5	647.2	369.8	112.9	2.5	1.4	0.4

CHARBROILER

Buildout	**Peak Daily**	**Average Daily**
# of Food Trucks Not Equipped with Cooking Eq	12	10
# of Food Trucks Equipped with Charboiler	6	5
# of Food Trucks Equipped with Griddle	6	5
Hours of Operation per Day On-Site	5	4
Days per year		260

		SCAQMD Rule 1138 - Appendix I		Emissions Max Daily				Emissions Annual				Emissions Average Daily		
Emission Factors	Quantity per Hour per truck (lbs)	PM (lb/1,000 lb)	ROG (lb/1,000 lb)	PM (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)	ROG (lbs/day)	PM (lbs/year)	PM10 (lbs/year)	PM2.5 (lbs/year)	ROG (lbs/year)	PM10 (lbs/day)	PM2.5 (lbs/day)	ROG (lbs/day)
Under-Fired Broiler														
25% Fat Hamburger	3.75	32.65	3.94	3.7	2.6	1.5	0.4	636.7	445.7	254.7	76.8	1.7	1.0	0.3
Chicken	5.625	10.48	1.82	1.8	1.2	0.7	0.3	306.5	214.6	122.6	53.2	0.8	0.5	0.2
Steak (e.g., burrito)	3.75	17.19	0.86	1.9	1.4	0.8	0.10	335.2	234.6	134.1	16.8	0.9	0.5	0.1
Fish	3.75	3.3	0.38	0.4	0.3	0.1	0.04	64.4	45.0	25.7	7.4	0.2	0.1	0.0
Griddle														
24% fat hamburger	7.5	5.08	0.07	1.1	0.8	0.5	0.0	198.1	138.7	79.2	2.7	0.5	0.3	0.0
sk-boneless chicken breast	15	BDL*	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.2	0.0	0.0	0.1
Total				8.9	6.2	3.6	0.9	1540.9	1078.6	616.4	188.2	4.1	2.4	0.7
			Difference	0.0	0.0	0.0	0.0	616.4	431.4	246.5	75.3	1.7	0.9	0.3

Food Trucks
2 food trucks per production; Can serve one meal per minute per truck (Conservative as not all meals would require under-fired broiler or griddle (e.g., salads, wraps, etc.)); Under-Fire Broiler meals would assumed to be split evenly between 8 oz fish, 8 oz per chicken sandwich, 4 ounces per hamburger, and 4 oz steak (e.g., buritto); Griddle meals would assumed to be split evenly between 8 oz sk-boneless chicken breast, and 4 ounces per hamburger.

Conservatively assumes no PM control efficiency for exhaust filters
*BDL (Below Detection Limit)

Existing Conditions
6 productions
Avg daily of 6 food trucks equipped with a charbroiler or griddle (vast majority would prepare food offsite and distribute on site (e.g., sandwiches, salads)) and would operate 4 hours per day/260 days per year

Buildout Conditions
10 productions
Avg daily of 10 food trucks equipped with a charbroiler or griddle (vast majority would prepare food offsite and distribute on site (e.g., sandwiches, salads)) and would operate 4 hours per day/260 days per year

South Coast Air Quality Management District, Final –Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, Appendix A, http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/particulate-matter-(pm)-2.5-significance-thresholds-and-calculation-methodology/final_pm2_5methodology.pdf?sfvrsn=2. Accessed September 2023. Per Appendix A, for cooking (baking, charbroiling, deep fat frying), PM10 is 0.7 fraction of PMand PM2.5 is 0.42 fraction of PM.

South Coast Air Quality Management District, Emission Factors for Commercial Cooking Operations, https://www.aqmd.gov/docs/default-source/rule-book/support-documents/rule-1138/par1138pdsr_appendixi.pdf?sfvrsn=2. Accessed September 2023.

Television City Health Risk Assessment

Charbroiler Emissions Speciation - Existing

Charbroiling Emissions

Hours per Day	5
ROG Emissions (lbs/day)	0.89
ROG Emissions (lbs/hr)	0.18
ROG Emissions (lbs/year)	**113**
ROG/TOG Ratio[a]	**0.35**
ROG Emissions (lbs/day)	**2.54**
ROG Emissions (lbs/hr)	**0.51**
ROG Emissions (lbs/year)	**323**
PM Emissions (lbs/day)	6.22
PM Emissions (lbs/hr)	1.24
PM Emissions (lbs/year)	**647**

[a] CARB Speciation Profile 1453, Meat Charbroiling

Speciation Profile - 1453 Meat Charbroiling (USEPA#4553)

Chemical Name	CAS No. /HARP ID	Speciation (%)	Emissions (lbs/hr)	Emissions (lbs/year)
Acetaldehyde	75070	0.038031	1.9E-02	12.27
Benzene	71432	0.002891	1.5E-03	0.93
Butadiene, 1,3-	106990	0.003657	1.9E-03	1.18
Chyresene and Triphenylene	218019	0.000011	5.8E-06	0.00
Ethyl benzene	100414	0.000383	1.9E-04	0.12
Formaldehyde	50000	0.048130	2.4E-02	15.53
Hexane, n-	110543	0.001532	7.8E-04	0.49
Naphthalene	91203	0.000313	1.6E-04	0.10
Propylene (propene)	115071	0.010065	5.1E-03	3.25
Toluene	108883	0.001393	7.1E-04	0.45
Xylenes (mixed isomers)	1330207	0.000801	4.1E-04	0.26
m-xylene	108383	0.000418	2.1E-04	0.13
o-xylene	95476	0.000383	1.9E-04	0.12
Ammonia (used values for ammonium from speciation profiles)	7664417	0.000004	5.0E-06	0.00
Cadmium and compounds (note 4)	7440439	0.000004	5.0E-06	0.00
Cobalt	7440484	0.000010	1.2E-05	0.01
Copper and compounds	7440508	0.000107	1.3E-04	0.07
Manganese and compounds	7439965	0.000166	2.1E-04	0.11
Nickel and compounds (note 4) (values also apply to:)	7440020	0.000039	4.9E-05	0.03
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.003135	3.9E-03	2.03
Sulfates	9960	0.002141	2.7E-03	1.39
Vanadium	7440622	0.000002	2.5E-06	0.00

Television City Health Risk Assessment

Charbroiler Emissions Speciation - Project Buildout

Charbroiling Emissions

Hours per Day	5
ROG Emissions (lbs/day)	0.89
ROG Emissions (lbs/hr)	0.18
ROG Emissions (lbs/year)	**188**
ROG/TOG Ratio[a]	**0.35**
ROG Emissions (lbs/day)	**2.54**
ROG Emissions (lbs/hr)	**0.51**
ROG Emissions (lbs/year)	**538**
PM Emissions (lbs/day)	6.22
PM Emissions (lbs/hr)	1.24
PM Emissions (lbs/year)	**1,079**

[a] CARB Speciation Profile 1453, Meat Charbroiling

Speciation Profile - 1453 Meat Charbroiling (USEPA#4553)

Chemical Name	CAS No. /HARP ID	Speciation (%)	Emissions (lbs/hr)	Emissions (lbs/year)
Acetaldehyde	75070	0.038031	1.9E-02	20.45
Benzene	71432	0.002891	1.5E-03	1.55
Butadiene, 1,3-	106990	0.003657	1.9E-03	1.97
Chyresene and Triphenylene	218019	0.000011	5.8E-06	0.01
Ethyl benzene	100414	0.000383	1.9E-04	0.21
Formaldehyde	50000	0.048130	2.4E-02	25.88
Hexane, n-	110543	0.001532	7.8E-04	0.82
Naphthalene	91203	0.000313	1.6E-04	0.17
Propylene (propene)	115071	0.010065	5.1E-03	5.41
Toluene	108883	0.001393	7.1E-04	0.75
Xylenes (mixed isomers)	1330207	0.000801	4.1E-04	0.43
m-xylene	108383	0.000418	2.1E-04	0.22
o-xylene	95476	0.000383	1.9E-04	0.21
Ammonia (used values for ammonium from speciation profiles)	7664417	0.000004	5.0E-06	0.00
Cadmium and compounds (note 4)	7440439	0.000004	5.0E-06	0.00
Cobalt	7440484	0.000010	1.2E-05	0.01
Copper and compounds	7440508	0.000107	1.3E-04	0.12
Manganese and compounds	7439965	0.000166	2.1E-04	0.18
Nickel and compounds (note 4) (values also apply to:)	7440020	0.000039	4.9E-05	0.04
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.003135	3.9E-03	3.38
Sulfates	9960	0.002141	2.7E-03	2.31
Vanadium	7440622	0.000002	2.5E-06	0.00

Appendix G

Mobile Source Emissions Calculations



Television City Health Risk Assessment

Mobile Emissions Calculations - Existing and Project

Project - 2026			
Truck Type	**Total Trips**	**Non Diesel**	**Diesel**
HHDT (semis)	36	0	36
Light Heavy 5-ton (T5)	43	23	20
Medium Heavy 10-ton (T6&7)	87	29	58
Total Truck Trips	166	52	114

Distance Travelled On-site (mi) 0.5

Diesel Emissions - Year 2026

Emission Factor - Diesel (g/mi)	**TOG**	**CO**	**NOx**	**PM10**	**PM2_5**	**SOx**
HHDT (semis)	0.1	0.7	7.9	0.0	0.0	0.0
Light Heavy 5-ton (T5)	0.3	0.7	1.2	0.1	0.0	0.0
Medium Heavy 10-ton (T6&7)	0.1	0.3	2.4	0.0	0.0	0.0

Diesel Emissions (lbs/day)	**TOG**	**CO**	**NOx**	**PM10**	**PM2_5**	**SOx**
HHDT (semis)	0.0	0.0	0.3	4.9E-04	0.0	0.0
Light Heavy 5-ton (T5)	0.0	0.0	0.0	1.2E-03	0.0	0.0
Medium Heavy 10-ton (T6&7)	0.0	0.0	0.2	1.6E-03	0.0	0.0
Total	**1.8E-02**	6.3E-02	5.0E-01	3.2E-03	3.1E-03	2.4E-03

Diesel Emissions (lbs/year)	**TOG**	**CO**	**NOx**	**PM10**	**PM2_5**	**SOx**
HHDT (semis)	1.3	10.0	115.0	0.2	0.2	0.4
Light Heavy 5-ton (T5)	2.2	5.8	10.1	0.4	0.4	0.1
Medium Heavy 10-ton (T6&7)	3.0	7.4	56.7	0.6	0.5	0.4
Total	6.4E+00	2.3E+01	1.8E+02	**1.2E+00**	1.1E+00	8.9E-01

Gasoline Emissions - Year 2026

Emission Factor - Gasoline (g/mi)	**TOG**	**CO**	**NOx**	**PM10**	**PM2_5**	**SOx**
HHDT (semis)						
Light Heavy 5-ton (T5)	0.1	1.6	0.2	0.0	0.0	0.0
Medium Heavy 10-ton (T6&7)	0.2	1.6	0.4	0.0	0.0	0.0

Gasoline Emissions (lbs/day)	**TOG**	**CO**	**NOx**	**PM10**	**PM2_5**	**SOx**
HHDT (semis)						
Light Heavy 5-ton (T5)	0.0	0.0	0.0	0.0	0.0	0.0
Medium Heavy 10-ton (T6&7)	0.0	0.1	0.0	0.0	0.0	0.0
Total	**9.1E-03**	0.1	0.0	0.0	0.0	0.0

Gasoline Emissions (lbs/year)	**TOG**	**CO**	**NOx**	**PM10**	**PM2_5**	**SOx**
HHDT (semis)						
Light Heavy 5-ton (T5)	0.8	14.4	1.5	0.0	0.0	0.1
Medium Heavy 10-ton (T6&7)	2.6	18.7	5.1	0.0	0.0	0.4
Total	**3.3**	33.1	6.6	0.1	0.1	0.5

Existing - 2026			
Truck Type	**Total Trips**	**Non Diesel**	**Diesel**
HHDT (semis)	13	0	13
Light Heavy 5-ton (T5)	22	12	10
Medium Heavy 10-ton (T6&7)	43	14	29
Total Truck Trips	78	26	52

Distance Travelled On-site (mi) 0.5

Diesel Emissions - Year 2026

Emission Factor - Diesel (g/mi)	**TOG**	**CO**	**NOx**	**PM10**	**PM2_5**	**SOx**
HHDT (semis)	0.1	0.7	7.9	0.0	0.0	0.0
Light Heavy 5-ton (T5)	0.3	0.7	1.2	0.1	0.0	0.0
Medium Heavy 10-ton (T6&7)	0.1	0.3	2.4	0.0	0.0	0.0

Diesel Emissions (lbs/day)	**TOG**	**CO**	**NOx**	**PM10**	**PM2_5**	**SOx**
HHDT (semis)	0.0	0.0	0.1	1.8E-04	0.0	0.0
Light Heavy 5-ton (T5)	0.0	0.0	0.0	5.8E-04	0.0	0.0
Medium Heavy 10-ton (T6&7)	0.0	0.0	0.1	7.8E-04	0.0	0.0
Total	**8.3E-03**	2.8E-02	2.1E-01	1.5E-03	1.5E-03	1.1E-03

Diesel Emissions (lbs/year)	**TOG**	**CO**	**NOx**	**PM10**	**PM2_5**	**SOx**
HHDT (semis)	0.5	3.6	41.5	0.1	0.1	0.1
Light Heavy 5-ton (T5)	1.1	2.9	5.1	0.2	0.2	0.0
Medium Heavy 10-ton (T6&7)	1.5	3.7	28.3	0.3	0.3	0.2
Total	3.0E+00	1.0E+01	7.5E+01	**5.6E-01**	5.3E-01	3.9E-01

Gasoline Emissions - Year 2026

Emission Factor - Gasoline (g/mi)	**TOG**	**CO**	**NOx**	**PM10**	**PM2_5**	**SOx**
HHDT (semis)						
Light Heavy 5-ton (T5)	0.1	1.6	0.2	0.0	0.0	0.0
Medium Heavy 10-ton (T6&7)	0.2	1.6	0.4	0.0	0.0	0.0

Gasoline Emissions (lbs/day)	**TOG**	**CO**	**NOx**	**PM10**	**PM2_5**	**SOx**
HHDT (semis)						
Light Heavy 5-ton (T5)	0.0	0.0	0.0	0.0	0.0	0.0
Medium Heavy 10-ton (T6&7)	0.0	0.0	0.0	0.0	0.0	0.0
Total	**4.5E-03**	0.0	0.0	0.0	0.0	0.0

Gasoline Emissions (lbs/year)	**TOG**	**CO**	**NOx**	**PM10**	**PM2_5**	**SOx**
HHDT (semis)						
Light Heavy 5-ton (T5)	0.4	7.2	0.7	0.0	0.0	0.1
Medium Heavy 10-ton (T6&7)	1.3	9.4	2.6	0.0	0.0	0.2
Total	**1.7**	16.6	3.3	0.0	0.0	0.2

Idle Emissions - Diesel

Idle Time per Truck (min)	15						
Trips per Day	114						
		TOG	**CO**	**NOx**	**PM10**	**PM2_5**	**SOx**
Idle Emission Factors (g/hr)		2.69	34.56	27.89	**0.01**	0.01	0.05
Idle Emissions (lbs/day)		**1.70E-01**	2.18E+00	1.76E+00	**9.16E-04**	8.76E-04	3.22E-03
Idle Emissions (lbs/year)		**6.19E+01**	7.94E+02	6.41E+02	**3.34E-01**	3.20E-01	1.17E+00

Idle Emissions - Diesel

Idle Time per Truck (min)	15						
Trips per Day	52						
		TOG	**CO**	**NOx**	**PM10**	**PM2_5**	**SOx**
Idle Emission Factors (g/hr)		2.69	34.56	27.89	**0.01**	0.01	0.05
Idle Emissions (lbs/day)		**7.74E-02**	9.92E-01	8.01E-01	**4.18E-04**	4.00E-04	1.47E-03
Idle Emissions (lbs/year)		**2.82E+01**	3.62E+02	2.92E+02	**1.53E-01**	1.46E-01	5.36E-01

Idle Emissions - Gasoline

Idle Time per Truck (min)	15						
Trips per Day	52						
		TOG	**CO**	**NOx**	**PM10**	**PM2_5**	**SOx**
Idle Emission Factors (g/hr)		0.90	7.29	0.05	0	0	0.00
Idle Emissions (lbs/day)		**2.58E-02**	2.08E-01	1.56E-03	0.00E+00	0.00E+00	7.58E-05
Idle Emissions (lbs/year)		**9.42E+00**	7.61E+01	5.69E-01	0.00E+00	0.00E+00	2.77E-02

Idle Emissions - Gasoline

Idle Time per Truck (min)	15						
Trips per Day	26						
		TOG	**CO**	**NOx**	**PM10**	**PM2_5**	**SOx**
Idle Emission Factors (g/hr)		0.90	7.29	0.05	0.00	0.00	0.00
Idle Emissions (lbs/day)		**1.29E-02**	1.04E-01	7.80E-04	0.00E+00	0.00E+00	3.79E-05
Idle Emissions (lbs/year)		**4.71E+00**	3.80E+01	2.85E-01	0.00E+00	0.00E+00	1.38E-02

Worker Trips

Distance (ft)	500						
Distance (mi)	0.1						
		TOG	**CO**	**NOx**	**PM10**	**PM2_5**	**SOx**
Run Speed	10						
Run Emission Factors (g/mi)		0.08	1.62	0.10	**6.3E-03**	0.01	0.01
Run Emissions	Trips per Day						
Employee Trips (lbs/day)	**13,288**	**0.23**	4.49	0.28	0.0E+00	0.02	0.02
Employee Trips (lbs/year)		**72.23**	1406.14	88.48	0.00	5.04	5.15

Worker Trips

Distance (ft)	500						
Distance (mi)	0.1						
		TOG	**CO**	**NOx**	**PM10**	**PM2_5**	**SOx**
Run Speed	10						
Run Emission Factors (g/mi)		0.08	1.62	0.10	0.01	0.01	0.01
Run Emissions	Trips per Day						
Employee Trips (lbs/day)	**3,813**	**0.07**	1.29	0.08	5.0E-03	0.00	0.00
Employee Trips (lbs/year)		**20.73**	403.49	25.39	1.57	1.45	1.48

Mobility Hub							
Trip Parameters	**Daily Trips**						
Shuttle Trips	104						
Uber/Lyft	298						
Pickup/Dropoff (Van/Car Pool)	396						
Distance (mi)	0.5						
Run Speed (mph)	10						
Shutlte Idle Time per Trip (min)	15						
Emission Factors		**TOG**	**CO**	**NOx**	**PM10**	**PM2_5**	**SOx**
Van/Car Pool - Travel (g/mi)		0.08	1.62	0.10	0.01	0.01	0.01
Shuttle - Travel (g/mi)		0.22	1.62	0.44	0.00	0.00	0.03
Shuttle - Idle (g/hr)		0.90	7.29	0.05	0.00	0.00	0.00
Van/Car Pool Emissions	Trips per Day						
Passenger Travel (lbs/day)	694	0.06	1.24	0.08	0.00	0.00	0.00
Passenger Travel (lbs/year)		19.92	388	24.40	1.51	1.39	1.42
Shutlte Emissions							
Shuttle Travel (lbs/day)	104	0.03	0.19	0.05	0.00	0.00	0.00
Shuttle Travel (lbs/year)		7.91	57.97	15.91	0.15	0.14	1.10
Shuttle Idle (lbs/day)		**0.05**	0.42	0.00	0.00	0.00	0.00
Shuttle Idle (lbs/year)		**16.20**	130.81	0.98	0.00	0.00	0.05
Total Travel Emissions (lbs/day)		**0.09**					
Total Travel Emissions (lbs/yea		**27.82**					

Source: Gibson Transportation, Memorandum: TVC 2050 Mobility Hub Usage Patterns, March 8, 2023. Included as Appendix FEIR 20.

Television City Health Risk Assessment

Existing Operations - Mobile Emissions

Diesel Truck Emissions and Speciation

	Travel	Idle (Loading Dock)
Hours per Day	2	2
ROG Emissions (lbs/day)	8.3E-03	7.7E-02
ROG Emissions (lbs/hr)	4.2E-03	3.9E-02
DPM Emissions (lbs/year)	**0.56**	**0.15**

Speciation Profile - 405 Diesel Vehicle Exhaust (speciation only used for acute)

Chemical Name	CAS No. /HARP ID	Speciation (%)	Emissions (lbs/hr)	Emissions (lbs/year)	HARP ID
Ammonia (used values for ammonium from speciation profiles)	7664417	0.003369	1.4E-05	0	ROAD
Arsenic and compounds (inorganic) (note 4)	7440382	0.000005	2.1E-08	0	ROAD
Cadmium and compounds (note 4)	7440439	0.00004	1.7E-07	0	ROAD
Chlorine	7782505	0.000344	1.4E-06	0	ROAD
Chromium	7440473	0.000012	5.0E-08	0	ROAD
Cobalt	7440484	0.000011	4.6E-08	0	ROAD
Copper and compounds	7440508	0.000025	1.0E-07	0	ROAD
Lead and compounds (inorganic) (note 4)	7439921	0.000042	1.8E-07	0	ROAD
Manganese and compounds	7439965	0.00004	1.7E-07	0	ROAD
Mercury and compounds (inorganic) (note 4)	7439976	0.00003	1.3E-07	0	ROAD
Nickel and compounds (note 4) (values also apply to:)	7440020	0.000019	7.9E-08	0	ROAD
Selenium and compounds (note 4)	7782492	0.00001	4.2E-08	0	ROAD
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.002488	1.0E-05	0	ROAD
Sulfates	9960	0.017429	7.3E-05	0	ROAD
Vanadium	7440622	0.000029	1.2E-07	0	ROAD
Diesel engine exhaust, particulate matter (Diesel PM)	9901		0	0.56	ROAD
Ammonia	7664417	0.003369	1.3E-04	0	DOCK
Arsenic	7440382	0.000005	1.9E-07	0	DOCK
Cadmium	7440439	0.00004	1.5E-06	0	DOCK
Chlorine	7782505	0.000344	1.3E-05	0	DOCK
Chromium	7440473	0.000012	4.6E-07	0	DOCK
Cobalt	7440484	0.000011	4.3E-07	0	DOCK
Copper	7440508	0.000025	9.7E-07	0	DOCK
Lead	7439921	0.000042	1.6E-06	0	DOCK
Manganese	7439965	0.00004	1.5E-06	0	DOCK
Mercury	7439976	0.00003	1.2E-06	0	DOCK
Nickel	7440020	0.000019	7.3E-07	0	DOCK
Selenium	7782492	0.00001	3.9E-07	0	DOCK
Silica, crystalline (respirable)	1175	0.002488	9.6E-05	0	DOCK
SULFATES	9960	0.017429	6.7E-04	0	DOCK
Vanadium (fume or dust)	7440622	0.000029	1.1E-06	0	DOCK
Diesel engine exhaust, particulate matter (Diesel PM)	9901		0	0.15	DOCK

Gasoline Truck and Employee Vehicle Emissions

	Employee Trips	Non-Diesel Truck
Hours per Day	2	2
TOG Emissions (lbs/day)	0.07	0.01
TOG Emissions (lbs/hr)	0.03	0.01
TOG Emissions (lbs/year)	**20.73**	**1.66**

Speciation Profile - 4001 (Gasoline Exhaust w/Catalytic Converter)

Chemical Name	CAS No. /HARP ID	Speciation (%)	Emissions (lbs/hr)	Emissions (lbs/year)	HARP ID
Arsenic and compounds (inorganic) (note 4)	7440382	0.000012	3.97475E-07	2.5E-04	EMPPARK
Cadmium and compounds (note 4)	7440439	0.000043	1.42429E-06	8.9E-04	EMPPARK
Chlorine	7782505	0.000719	2.38154E-05	1.5E-02	EMPPARK
Cobalt	7440484	0.000021	6.95582E-07	4.4E-04	EMPPARK
Copper and compounds	7440508	0.000689	2.28217E-05	1.4E-02	EMPPARK
Lead and compounds (inorganic) (note 4)	7439921	0.000434	1.43754E-05	9.0E-03	EMPPARK
Manganese and compounds	7439965	0.00011	3.64352E-06	2.3E-03	EMPPARK
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.000013	4.30598E-07	2.7E-04	EMPPARK

Chemical Name	CAS No. /HARP ID	Speciation (%)	Emissions (lbs/hr)	Emissions (lbs/year)	HARP ID
Arsenic and compounds (inorganic) (note 4)	7440382	0.000012	1.5482E-07	2.0E-05	ROAD
Cadmium and compounds (note 4)	7440439	0.000043	5.54773E-07	7.1E-05	ROAD
Chlorine	7782505	0.000719	9.27632E-06	1.2E-03	ROAD
Cobalt	7440484	0.000021	2.70936E-07	3.5E-05	ROAD
Copper and compounds	7440508	0.000689	8.88927E-06	1.1E-03	ROAD
Lead and compounds (inorganic) (note 4)	7439921	0.000434	5.59934E-06	7.2E-04	ROAD
Manganese and compounds	7439965	0.00011	1.41919E-06	1.8E-04	ROAD
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.000013	1.67722E-07	2.2E-05	ROAD

Television City Health Risk Assessment

Future Project Operations - Mobile Emissions

Diesel Truck Emissions and Speciation

	Travel	Idle (Base Camp)	
Hours per Day	2	2	Assumes emissions during peak hours
TOG Emissions (lbs/day)	1.8E-02	1.7E-01	This is TOG from Diesel Exhaust
TOG Emissions (lbs/hr)	8.8E-03	8.5E-02	This is TOG from Diesel Exhaust
DPM Emissions (lbs/year)	**1.17**	**0.33**	This is DPM

Speciation Profile - 405 Diesel Vehicle Exhaust (speciation only used for acute)

Chemical Name	CAS No. /HARP ID	Speciation (%)	Emissions (lbs/hr)	Emissions (lbs/year)	HARP ID
Ammonia (used values for ammonium from speciation profiles)	7664417	0.003369	3.0E-05	0	ROAD
Arsenic and compounds (inorganic) (note 4)	7440382	0.000005	4.4E-08	0	ROAD
Cadmium and compounds (note 4)	7440439	0.00004	3.5E-07	0	ROAD
Chlorine	7782505	0.000344	3.0E-06	0	ROAD
Chromium	7440473	0.000012	1.1E-07	0	ROAD
Cobalt	7440484	0.000011	9.7E-08	0	ROAD
Copper and compounds	7440508	0.000025	2.2E-07	0	ROAD
Lead and compounds (inorganic) (note 4)	7439921	0.000042	3.7E-07	0	ROAD
Manganese and compounds	7439965	0.00004	3.5E-07	0	ROAD
Mercury and compounds (inorganic) (note 4)	7439976	0.00003	2.6E-07	0	ROAD
Nickel and compounds (note 4) (values also apply to:)	7440020	0.000019	1.7E-07	0	ROAD
Selenium and compounds (note 4)	7782492	0.00001	8.8E-08	0	ROAD
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.002488	2.2E-05	0	ROAD
Sulfates	9960	0.017429	1.5E-04	0	ROAD
Vanadium	7440622	0.000029	2.6E-07	0	ROAD
Diesel engine exhaust, particulate matter (Diesel PM)	9901		0	1.17	ROAD
Ammonia (used values for ammonium from speciation profiles)	7664417	0.003369	2.96858E-05	0.00	Offsite
Arsenic and compounds (inorganic) (note 4)	7440382	0.000005	4.40573E-08	0.00	Offsite
Cadmium and compounds (note 4)	7440439	0.00004	3.52459E-07	0.00	Offsite
Chlorine	7782505	0.000344	3.03114E-06	0.00	Offsite
Chromium	7440473	0.000012	1.05738E-07	0.00	Offsite
Cobalt	7440484	0.000011	9.69261E-08	0.00	Offsite
Copper and compounds	7440508	0.000025	2.20287E-07	0.00	Offsite
Lead and compounds (inorganic) (note 4)	7439921	0.000042	3.70082E-07	0.00	Offsite
Manganese and compounds	7439965	0.00004	3.52459E-07	0.00	Offsite
Mercury and compounds (inorganic) (note 4)	7439976	0.00003	2.64344E-07	0.00	Offsite
Nickel and compounds (note 4) (values also apply to:)	7440020	0.000019	1.67418E-07	0.00	Offsite
Selenium and compounds (note 4)	7782492	0.00001	8.81147E-08	0.00	Offsite
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.002488	2.19229E-05	0.00	Offsite
Sulfates	9960	0.017429	0.000153575	0.00	Offsite
Vanadium	7440622	0.000029	2.55533E-07	0.00	Offsite
Diesel engine exhaust, particulate matter (Diesel PM)	9901	0	0	1.17	Offsite
Ammonia	7664417	0.003369	2.9E-04	0	BCAMPE
Arsenic	7440382	0.000005	4.2E-07	0	BCAMPE
Cadmium	7440439	0.00004	3.4E-06	0	BCAMPE
Chlorine	7782505	0.000344	2.9E-05	0	BCAMPE
Chromium	7440473	0.000012	1.0E-06	0	BCAMPE
Cobalt	7440484	0.000011	9.3E-07	0	BCAMPE
Copper	7440508	0.000025	2.1E-06	0	BCAMPE
Lead	7439921	0.000042	3.6E-06	0	BCAMPE
Manganese	7439965	0.00004	3.4E-06	0	BCAMPE
Mercury	7439976	0.00003	2.5E-06	0	BCAMPE
Nickel	7440020	0.000019	1.6E-06	0	BCAMPE
Selenium	7782492	0.00001	8.5E-07	0	BCAMPE
Silica, crystalline (respirable)	1175	0.002488	2.1E-04	0	BCAMPE
SULFATES	9960	0.017429	1.5E-03	0	BCAMPE
Vanadium (fume or dust)	7440622	0.000029	2.5E-06	0	BCAMPE
Diesel engine exhaust, particulate matter (Diesel PM)	9901		0	0.33	BCAMPE

Non-Diesel Truck and Employee Emissions

	Employee Trips	Non-Diesel Truck	Idle (Base Camp)	Mobility Hub Trips	Mobility Hub Idle
Hours per Day	2	2	2	2	2
TOG Emissions (lbs/day)	0.23	0.01	2.6E-02	0.07	0.03
TOG Emissions (lbs/hr)	0.12	0.00	1.3E-02	0.04	0.01
TOG Emissions (lbs/year)	72.23	3.32	9.42	23.01	8.10

Speciation Profile - 4001 (Gasoline Exhaust w/Catalytic Converter)

Chemical Name	CAS No. /HARP ID	Speciation (%)	Emissions (lbs/hr)	Emissions (lbs/year)	HARP ID
Arsenic and compounds (inorganic) (note 4)	7440382	0.000012	6.9E-07	4.3E-04	EMPPARK
Cadmium and compounds (note 4)	7440439	0.000043	2.5E-06	1.6E-03	EMPPARK
Chlorine	7782505	0.000719	4.1E-05	2.6E-02	EMPPARK
Cobalt	7440484	0.000021	1.2E-06	7.6E-04	EMPPARK
Copper and compounds	7440508	0.000689	4.0E-05	2.5E-02	EMPPARK
Lead and compounds (inorganic) (note 4)	7439921	0.000434	2.5E-05	1.6E-02	EMPPARK
Manganese and compounds	7439965	0.00011	6.3E-06	4.0E-03	EMPPARK
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.000013	7.5E-07	4.7E-04	EMPPARK
Arsenic and compounds (inorganic) (note 4)	7440382	0.000012	6.9E-07	4.3E-04	EMPPARK2
Cadmium and compounds (note 4)	7440439	0.000043	2.5E-06	1.6E-03	EMPPARK2
Chlorine	7782505	0.000719	4.1E-05	2.6E-02	EMPPARK2
Cobalt	7440484	0.000021	1.2E-06	7.6E-04	EMPPARK2
Copper and compounds	7440508	0.000689	4.0E-05	2.5E-02	EMPPARK2
Lead and compounds (inorganic) (note 4)	7439921	0.000434	2.5E-05	1.6E-02	EMPPARK2
Manganese and compounds	7439965	0.00011	6.3E-06	4.0E-03	EMPPARK2
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.000013	7.5E-07	4.7E-04	EMPPARK2
Arsenic and compounds (inorganic) (note 4)	7440382	0.000012	5.0E-07	3.2E-04	ROAD
Cadmium and compounds (note 4)	7440439	0.000043	1.8E-06	1.1E-03	ROAD
Chlorine	7782505	0.000719	3.0E-05	1.9E-02	ROAD
Cobalt	7440484	0.000021	8.7E-07	5.5E-04	ROAD
Copper and compounds	7440508	0.000689	2.8E-05	1.8E-02	ROAD
Lead and compounds (inorganic) (note 4)	7439921	0.000434	1.8E-05	1.1E-02	ROAD
Manganese and compounds	7439965	0.00011	4.5E-06	2.9E-03	ROAD
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.000013	5.4E-07	3.4E-04	ROAD
Arsenic and compounds (inorganic) (note 4)	7440382	0.000012	1.5E-07	1.1E-04	BCAMPE
Cadmium and compounds (note 4)	7440439	0.000043	5.5E-07	4.0E-04	BCAMPE
Chlorine	7782505	0.000719	9.3E-06	6.8E-03	BCAMPE
Cobalt	7440484	0.000021	2.7E-07	2.0E-04	BCAMPE
Copper and compounds	7440508	0.000689	8.9E-06	6.5E-03	BCAMPE
Lead and compounds (inorganic) (note 4)	7439921	0.000434	5.6E-06	4.1E-03	BCAMPE
Manganese and compounds	7439965	0.00011	1.4E-06	1.0E-03	BCAMPE
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.000013	1.7E-07	1.2E-04	BCAMPE
Arsenic and compounds (inorganic) (note 4)	7440382	0.000012	1.55332E-07	9.71938E-05	MOBILITY
Cadmium and compounds (note 4)	7440439	0.000043	5.56608E-07	0.000348278	MOBILITY
Chlorine	7782505	0.000719	9.307E-06	0.005823526	MOBILITY
Cobalt	7440484	0.000021	2.71832E-07	0.000170089	MOBILITY
Copper and compounds	7440508	0.000689	8.91867E-06	0.005580541	MOBILITY
Lead and compounds (inorganic) (note 4)	7439921	0.000434	5.61786E-06	0.003515174	MOBILITY
Manganese and compounds	7439965	0.00011	1.42388E-06	0.000890943	MOBILITY
Silica (crystalline, respirable) (used values for Silicon from speciation profiles)	1175	0.000013	1.68277E-07	0.000105293	MOBILITY

Television City Health Risk Assessment

Mobile Emissions Calculations - EMFAC Output (HHDT)

Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: Air Basin
Region: South Coast
Calendar Year: 2021, 2023, 2026
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, g/mile for RUNEX, PMBW and PMTW, mph for Speed, kWh/mile for Energy Consumption, gallon/mile for Fuel Consumption. PHEV calculated based on total VMT.

Diesel Emission Factors (g/mi)

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Total VMT	CVMT	EVMT	TOG	CO	NOx	PM10	PM2_5	SOx	DPM
South Coast	2021	HHDT	Aggregate	10	Diesel	12,947	12,947	0	4.4E-01	1.4E+00	9.9E+00	3.0E-02	2.9E-02	2.9E-02	3.0E-02
South Coast	2021	LHDT1	Aggregate	10	Diesel	7,063	7,063	0	4.3E-01	1.1E+00	2.3E+00	8.5E-02	8.2E-02	9.9E-03	8.5E-02
South Coast	2021	LHDT2	Aggregate	10	Diesel	3,024	3,024	0	3.9E-01	1.0E+00	2.1E+00	7.9E-02	7.6E-02	1.2E-02	7.9E-02
South Coast	2021	MHDT	Aggregate	10	Diesel	18,835	18,835	0	3.3E-01	6.1E-01	3.9E+00	6.2E-02	5.9E-02	1.9E-02	6.2E-02
South Coast	2023	HHDT	Aggregate	10	Diesel	13,254	13,254	0	9.5E-02	7.6E-01	8.2E+00	1.4E-02	1.3E-02	2.7E-02	1.4E-02
South Coast	2023	LHDT1	Aggregate	10	Diesel	7,964	7,964	0	3.5E-01	9.1E-01	1.8E+00	6.7E-02	6.4E-02	9.7E-03	6.7E-02
South Coast	2023	LHDT2	Aggregate	10	Diesel	3,475	3,475	0	3.3E-01	8.5E-01	1.6E+00	6.4E-02	6.1E-02	1.2E-02	6.4E-02
South Coast	2023	MHDT	Aggregate	10	Diesel	18,655	18,655	0	2.0E-01	4.0E-01	2.9E+00	4.2E-02	4.0E-02	1.9E-02	4.2E-02
South Coast	2026	HHDT	Aggregate	10	Diesel	13,363	13,363	0	8.7E-02	6.9E-01	7.9E+00	1.2E-02	1.2E-02	2.5E-02	1.2E-02
South Coast	2026	LHDT1	Aggregate	10	Diesel	9,130	9,130	0	2.7E-01	7.2E-01	1.3E+00	5.2E-02	5.0E-02	9.4E-03	5.2E-02
South Coast	2026	LHDT2	Aggregate	10	Diesel	4,051	4,051	0	2.7E-01	7.0E-01	1.2E+00	5.1E-02	4.9E-02	1.1E-02	5.1E-02
South Coast	2026	MHDT	Aggregate	10	Diesel	20,549	20,549	0	1.3E-01	3.2E-01	2.4E+00	2.4E-02	2.3E-02	1.9E-02	2.4E-02

Gasoline Emission Factors (g/mi)

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Total VMT	CVMT	EVMT	TOG	CO	NOx	PM10	PM2_5	SOx	DPM
South Coast	2021	HHDT	Aggregate	10	Gasoline	11.76056	11.76056	0	7.4E+00	1.2E+02	1.0E+01	8.9E-03	8.2E-03	4.3E-02	8.9E-03
South Coast	2021	LHDT1	Aggregate	10	Gasoline	25463.87	25463.87	0	1.9E-01	2.5E+00	3.0E-01	3.6E-03	3.3E-03	1.4E-02	3.6E-03
South Coast	2021	LHDT2	Aggregate	10	Gasoline	3837.487	3837.487	0	1.5E-01	1.9E+00	3.1E-01	3.3E-03	3.0E-03	1.6E-02	3.3E-03
South Coast	2021	MHDT	Aggregate	10	Gasoline	5697.424	5697.424	0	4.8E-01	3.8E+00	8.8E-01	4.3E-03	4.0E-03	3.2E-02	4.3E-03
South Coast	2023	HHDT	Aggregate	10	Gasoline	9.527414	9.527414	0	5.5E+00	9.1E+01	8.5E+00	7.1E-03	6.5E-03	4.1E-02	7.1E-03
South Coast	2023	LHDT1	Aggregate	10	Gasoline	25307.7	25307.7	0	1.5E-01	2.2E+00	2.3E-01	3.2E-03	2.9E-03	1.3E-02	3.2E-03
South Coast	2023	LHDT2	Aggregate	10	Gasoline	3721.691	3721.691	0	1.1E-01	1.6E+00	2.4E-01	2.9E-03	2.7E-03	1.5E-02	2.9E-03
South Coast	2023	MHDT	Aggregate	10	Gasoline	5261.537	5261.537	0	3.5E-01	2.7E+00	6.7E-01	4.3E-03	3.9E-03	3.2E-02	4.3E-03
South Coast	2026	HHDT	Aggregate	10	Gasoline	7.617285	7.617285	0	3.5E+00	5.9E+01	6.5E+00	5.3E-03	4.9E-03	3.8E-02	5.3E-03
South Coast	2026	LHDT1	Aggregate	10	Gasoline	25966.22	25966.22	0	9.5E-02	1.7E+00	1.5E-01	2.7E-03	2.5E-03	1.3E-02	2.7E-03
South Coast	2026	LHDT2	Aggregate	10	Gasoline	3731.17	3731.17	0	6.9E-02	1.4E+00	1.7E-01	2.4E-03	2.3E-03	1.4E-02	2.4E-03
South Coast	2026	MHDT	Aggregate	10	Gasoline	5127.243	5127.243	0	2.2E-01	1.6E+00	4.4E-01	4.3E-03	4.0E-03	3.1E-02	4.3E-03

Television City Health Risk Assessment

Mobile Emissions Calculations - EMFAC Output (HHDT)

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: Air Basin
Region: South Coast
Calendar Year: 2023
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, tons/day for Emissions, 1000 gallons/day for Fuel Consumption, mph for Speed, kWh/day for Energy Consumption

Operational Year **2026**

					Totals	2,128,987.2		0.2	0.0	0.0	1,325.4	0.0	0.0	0.1	0.1	3.2	0.0	0.1	0.0	0.0
					g/mi			0.08	0.01	0.00567	564.72	0.01	0.01	0.04	0.06	1.34	0.01	0.04	0.01	0.00
Region	**Calendar Year**	**Vehicle Category**	**Model Year**	**Speed**	**Fuel**	**Total VMT**	**CVMT**	**EVMT**	**NOx**	**PM2.5**	**PM10**	**CO2**	**CH4**	**N2O**	**ROG**	**TOG**	**CO**	**SOX**	**NH3**	**PM10_PMBW**	**PM2.5_PMBW**
South Coast	2026	LDA	Aggregate	10	Gasoline	1321629.8	1321629.8	0	8.0E-02	7.3E-03	8.0E-03	7.6E+02	1.3E-02	9.6E-03	4.8E-02	7.0E-02	1.7E+00	7.5E-03	5.3E-02	1.1E-02	3.8E-03
South Coast	2026	LDA	Aggregate	10	Diesel	2319.2	2319.2	0	5.5E-04	1.2E-04	1.3E-04	1.3E+00	2.5E-05	2.0E-04	5.3E-04	6.0E-04	8.6E-03	1.2E-05	7.9E-06	1.9E-05	6.7E-06
South Coast	2026	LDA	Aggregate	10	Electricity	667402.8	0.0	7E+05	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	1.7E-03	6.0E-04
South Coast	2026	LDA	Aggregate	10	Plug-in Hybric	245554.0	23335.8	2E+05	4.1E-04	1.3E-04	1.4E-04	1.5E+01	1.0E-04	7.3E-05	3.3E-04	4.8E-04	3.2E-02	1.5E-04	1.0E-03	6.4E-04	2.2E-04
South Coast	2026	LDT1	Aggregate	10	Gasoline	112984.2	112984.2	0	2.8E-02	9.5E-04	1.0E-03	7.8E+01	3.6E-03	2.0E-03	1.6E-02	2.3E-02	3.4E-01	7.7E-04	4.8E-03	1.3E-03	4.6E-04
South Coast	2026	LDT1	Aggregate	10	Diesel	16.7	16.7	0	2.0E-05	1.2E-05	1.3E-05	1.6E-02	7.3E-07	2.5E-06	1.6E-05	1.8E-05	6.5E-05	1.5E-07	5.7E-08	2.2E-07	7.8E-08
South Coast	2026	LDT1	Aggregate	10	Electricity	3434.9	0.0	3435	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	8.9E-06	3.1E-06
South Coast	2026	LDT1	Aggregate	10	Plug-in Hybric	2329.2	193.4	2136	3.4E-06	7.5E-07	8.2E-07	1.3E-01	8.6E-07	6.1E-07	2.7E-06	4.0E-06	2.7E-04	1.2E-06	9.0E-06	6.0E-06	2.1E-06
South Coast	2026	LDT2	Aggregate	10	Gasoline	694373.3	694373.3	0	7.1E-02	3.9E-03	4.3E-03	4.9E+02	8.9E-03	6.5E-03	3.4E-02	4.9E-02	1.1E+00	4.8E-03	2.9E-02	7.7E-03	2.7E-03
South Coast	2026	LDT2	Aggregate	10	Diesel	2468.6	2468.6	0	3.6E-04	2.7E-05	2.8E-05	1.7E+00	2.5E-05	2.7E-04	5.4E-04	6.1E-04	5.3E-03	1.6E-05	8.4E-06	2.7E-05	9.5E-06
South Coast	2026	LDT2	Aggregate	10	Electricity	38477.9	0.0	38478	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	9.9E-05	3.5E-05
South Coast	2026	LDT2	Aggregate	10	Plug-in Hybric	46068.4	4083.0	41985	7.1E-05	1.8E-05	2.0E-05	2.6E+00	1.8E-05	1.3E-05	5.8E-05	8.4E-05	5.7E-03	2.6E-05	1.9E-04	1.2E-04	4.2E-05

Gasoline Exhaust Only

TOG	CO	NOx	PM10	PM2_5	SOx
6.1E-02	1.3E+00	7.6E-02	5.7E-03	5.2E-03	5.6E-03

Appendix H

Source Configuration and Wind Rose



PROJECT TITLE:

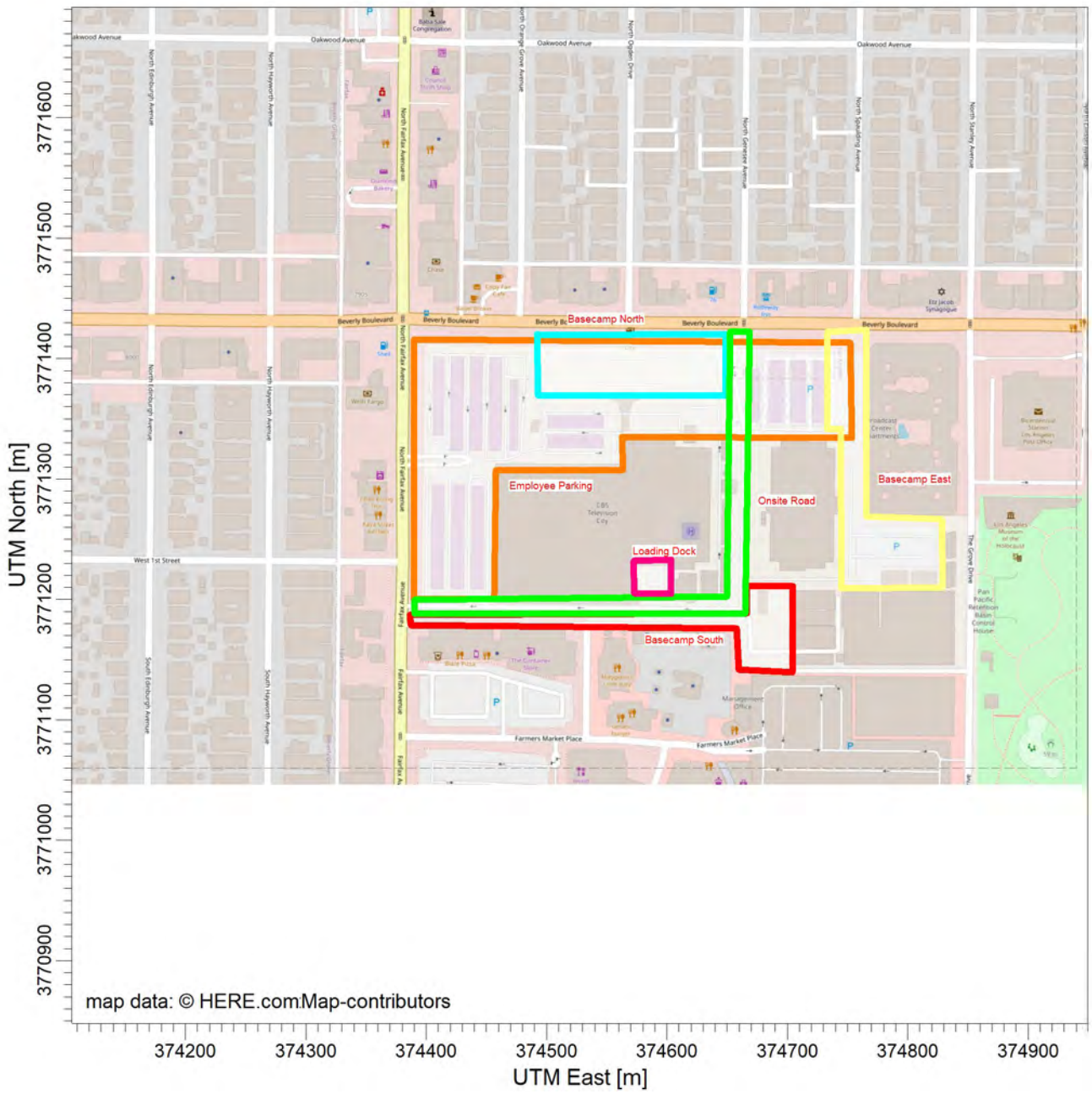
TVC - Existing Operations



COMMENTS: Existing Operations - Buildings	SOURCES: **27**	COMPANY NAME:	
	RECEPTORS: **1752**	MODELER:	
		SCALE: 1:4,321 0 0.1 km	
		DATE: **6/15/2023**	PROJECT NO.:

PROJECT TITLE:

Existing - On-site Roads,Basecamp Loading Dock and Employee Parking



COMMENTS: Existing Operations - Mobile Sources	SOURCES: **25**	COMPANY NAME:	
	RECEPTORS: **113**	MODELER:	
		SCALE: 1:5,308 0 0.2 km	
		DATE: **4/26/2023**	PROJECT NO.:

PROJECT TITLE:

Existing - Stationary Sources
Existing Buildings (Coatings) and Emergency Generators



COMMENTS: Existing Operations - Stationary	SOURCES: **25**	COMPANY NAME:	
	RECEPTORS: **113**	MODELER:	
		SCALE: 1:5,308 0 0.2 km	
		DATE: **4/26/2023**	PROJECT NO.:

PROJECT TITLE:

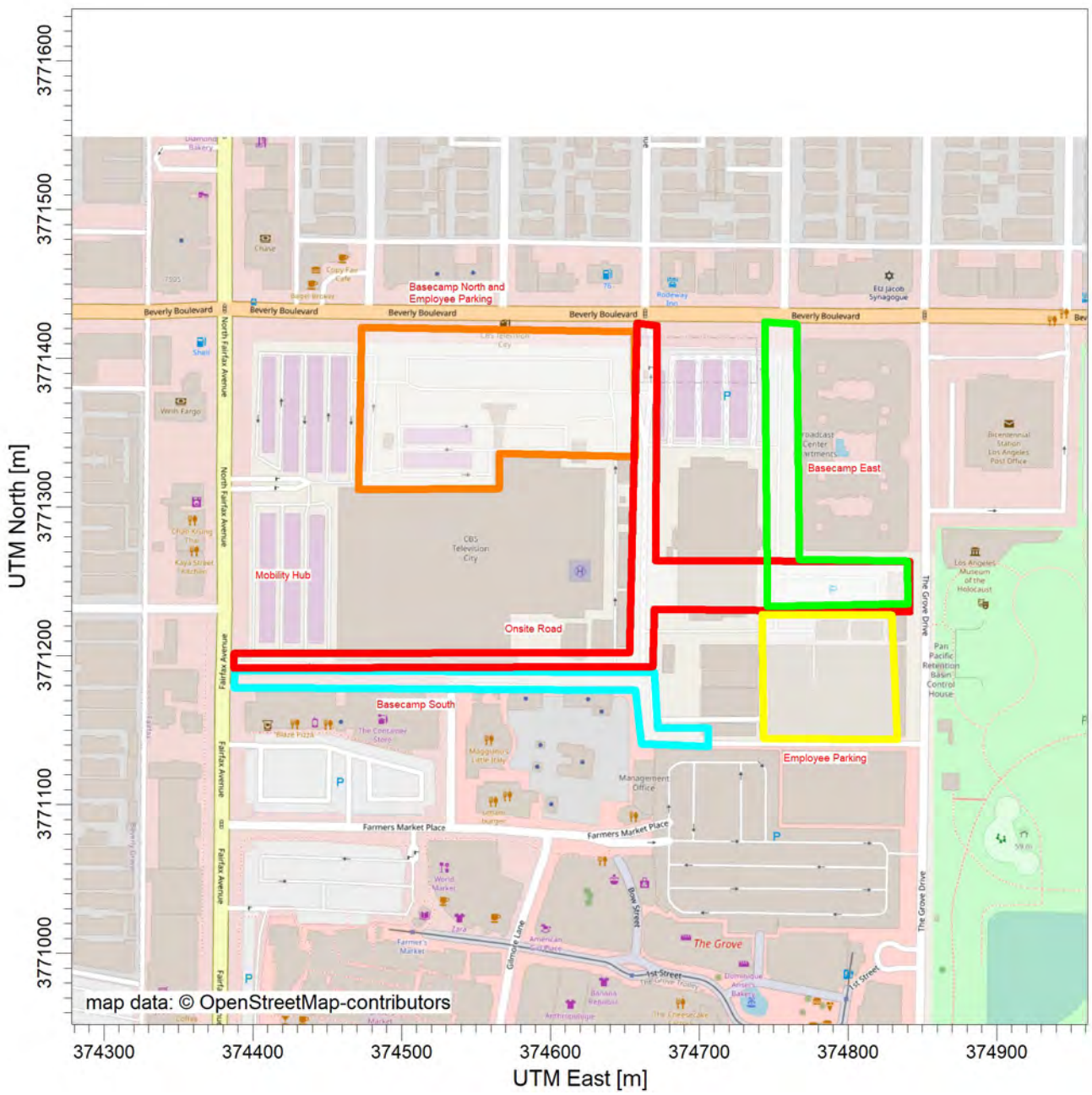
Project - Buildings (for downwash analysis)



COMMENTS: Project - Building Downwash	SOURCES: **20**	COMPANY NAME:	
	RECEPTORS: **757**	MODELER:	
		SCALE: 1:4,295 0 0.1 km	
		DATE: **4/26/2023**	PROJECT NO.:

PROJECT TITLE:

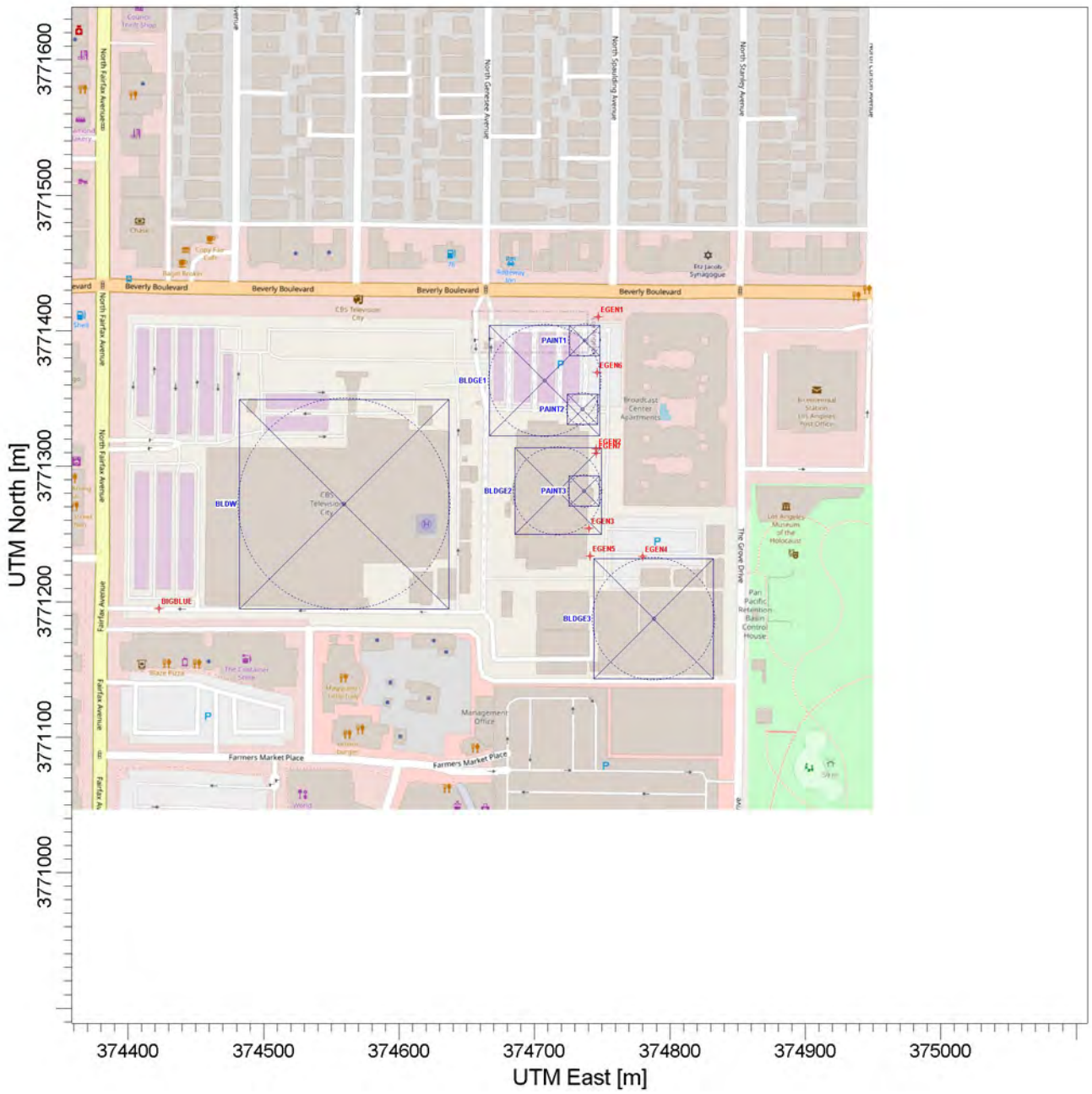
Project - On-site Roads,Basecamp Employee Parking



COMMENTS: Project - Mobile Sources	SOURCES: **20**	COMPANY NAME:	
	RECEPTORS: **757**	MODELER:	
		SCALE: 1:4,295 0 0.1 km	
		DATE: **4/26/2023**	PROJECT NO.:

PROJECT TITLE:

Project - Stationary Sources
Buildings (Coatings) and Emergency Generators



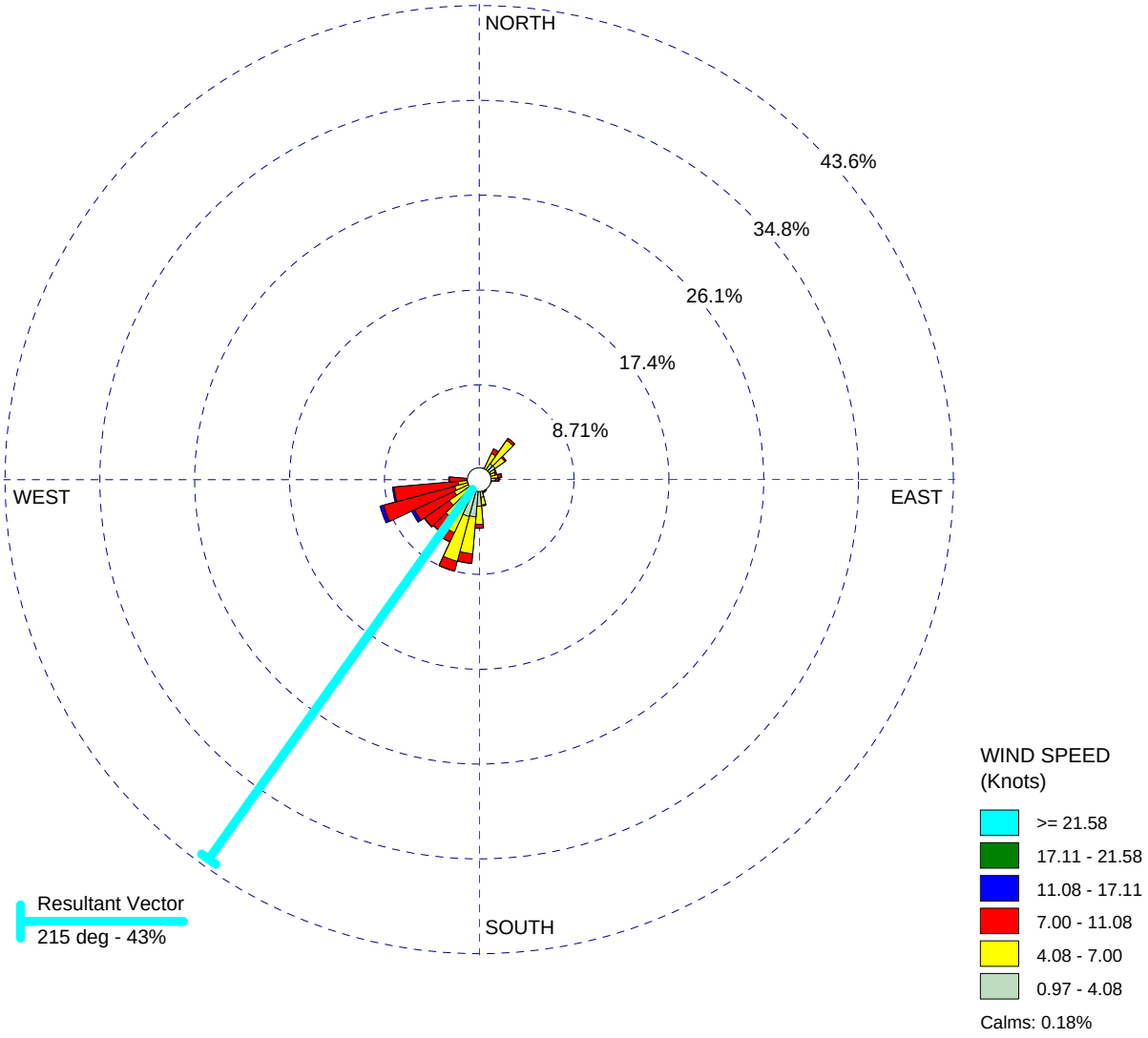
COMMENTS: Project - Stationary Sources	SOURCES: **24**	COMPANY NAME:	
	RECEPTORS: **1752**	MODELER:	
		SCALE: 1:4,718 0 0.1 km	
		DATE: **6/15/2023**	PROJECT NO.:

WIND ROSE PLOT:

Station #93134

DISPLAY:

Wind Speed
Direction (blowing from)



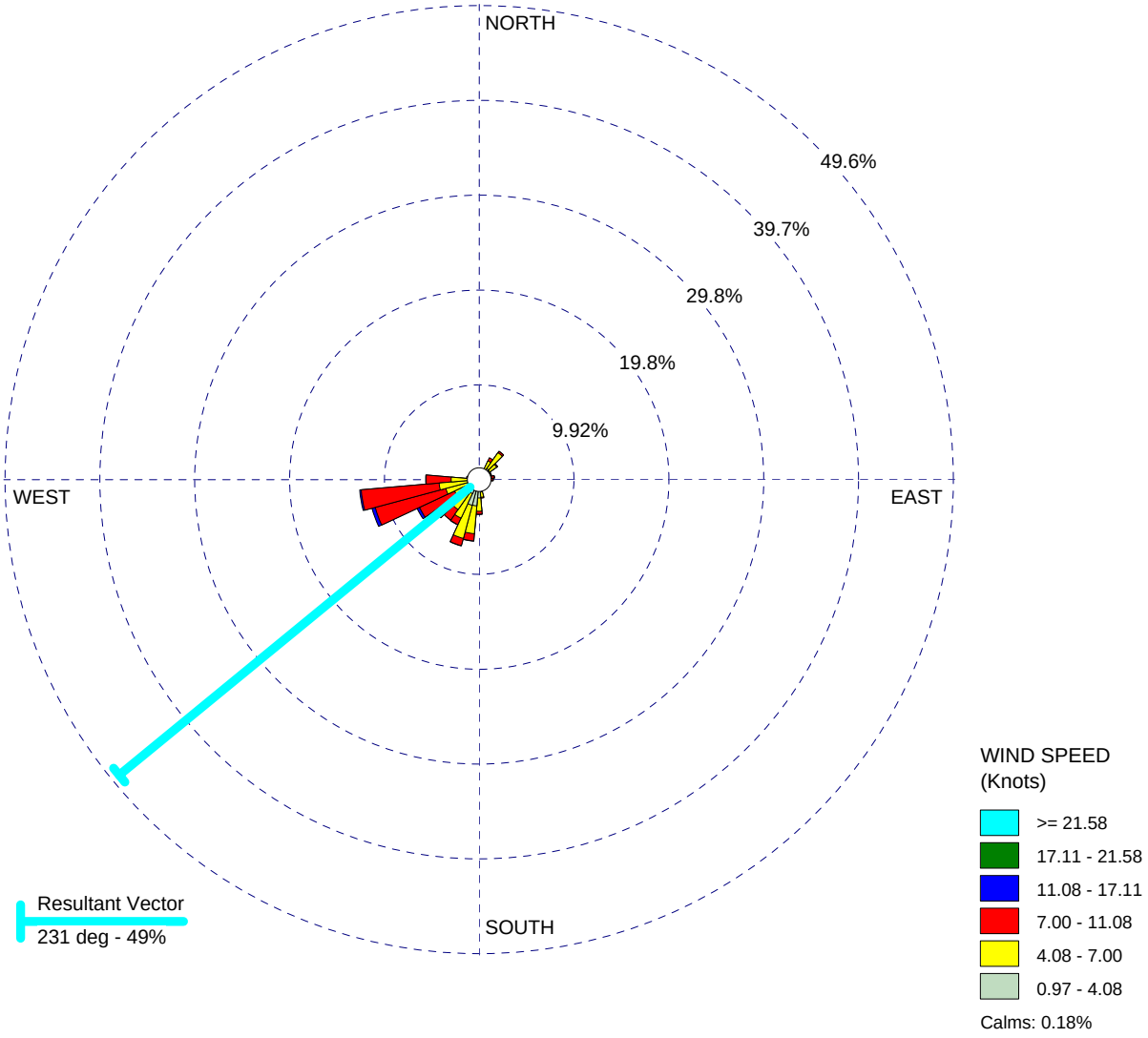
COMMENTS: Central LA Wind Rose Resultant Vector 8AM - 4 PM (8-hours)	DATA PERIOD: **Start Date: 1/1/2010 - 08:00** **End Date: 12/31/2016 - 16:00**	COMPANY NAME:	
		MODELER:	
	CALM WINDS: **0.18%**	TOTAL COUNT: **16307 hrs.**	
	AVG. WIND SPEED: **5.31 Knots**	DATE: **6/8/2023**	PROJECT NO.:

WIND ROSE PLOT:

Station #93134

DISPLAY:

Wind Speed
Direction (blowing from)



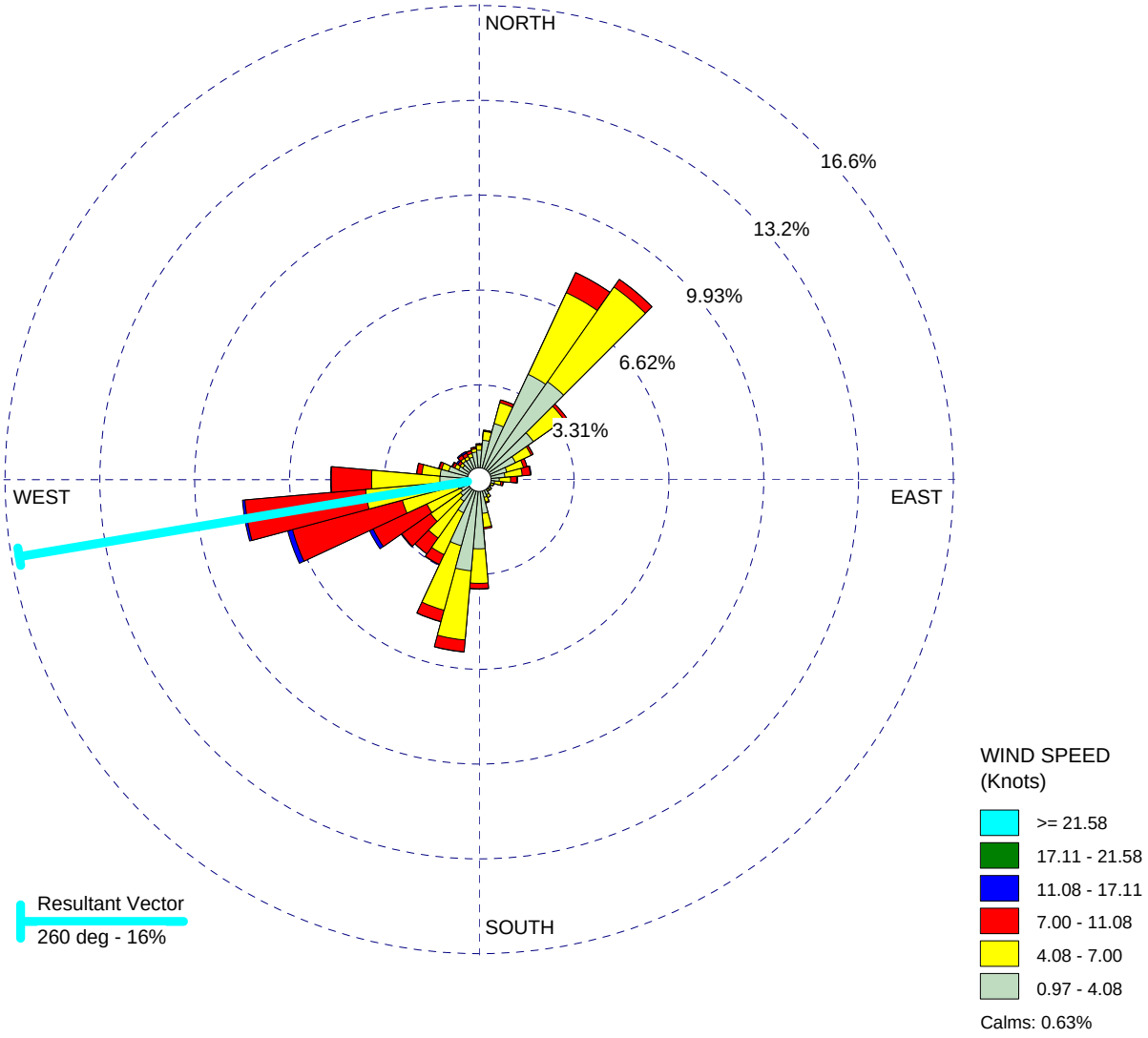
COMMENTS: Central LA Wind Rose Resultant Vector 8AM - 7 PM (11-hours)	DATA PERIOD: **Start Date: 1/1/2010 - 08:00** **End Date: 12/31/2016 - 19:00**	COMPANY NAME:	
		MODELER:	
	CALM WINDS: **0.18%**	TOTAL COUNT: **21749 hrs.**	
	AVG. WIND SPEED: **5.48 Knots**	DATE: **6/8/2023**	PROJECT NO.:

WIND ROSE PLOT:

Station #93134

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS: Central LA Wind Rose Resultant Vector 24-hours	DATA PERIOD: **Start Date: 1/1/2010 - 00:00** **End Date: 12/31/2016 - 23:59**	COMPANY NAME:	
		MODELER:	
	CALM WINDS: **0.63%**	TOTAL COUNT: **43459 hrs.**	
	AVG. WIND SPEED: **4.55 Knots**	DATE: **6/8/2023**	PROJECT NO.:

Appendix I

Stack Parameters



Television City Health Risk Assessment

AERMOD Source Parameters - Existing

Type	ID	Desc	Base_Elev	Height	Diam	Exit_Vel	Exit_Temp	Release_Type	Emission_Rate	X1	Y1
			[m]	[m]	[m]	[m/s]	[K]		g/s	[m]	[m]
Point Sources											
POINT	LYELLOW	Little Yellow Generator	61.4	4.6	0.15	47.3	760	VERTICAL	1	374730.10	3771221.97
POINT	BYELLOW	Big Yellow Generator	61.5	5.8	0.15	92.1	760	VERTICAL	1	374742.92	3771271.90
POINT	LGREEN	Little Green Generator	59.6	19.8	0.15	47.3	760	HORIZONTAL	1	374625.18	3771283.96
POINT	BIGRED	Big Red Generator	59.9	4.6	0.38	41.0	760	VERTICAL	1	374639.27	3771301.52
POINT	EARTH	Earth Station Generator	58.5	4.6	0.13	67.1	760	VERTICAL	1	374484.96	3771340.39
POINT	BIGBLUE	Big Blue Generator	56.9	6.4	0.51	22.9	760	VERTICAL	1	374422.75	3771194.86
POINT	PAINT1	Paint Booth 1 - Facilities Paint Booth	59.1	19.8	0.81	9.1	0	VERTICAL	3	374625.33	3771233.34
POINT	PAINT2	Paint Booth 2 - Mill Spray Booth	60.2	19.8	1.01	9.1	0	VERTICAL	3	374607.74	3771252.51
POINT	PAINT3	Paint Booth 3 - M40 Scenic Arts	60.7	19.8	0.30	9.1	0	HORIZONTAL	3	374566.64	3771245.32
POINT	B2	Boiler B-2	59.9	19.8	0.23	0.45	470	VERTICAL	1	374593.19	3771272.70
POINT	B1	Boiler B-1	60.1	19.8	0.23	0.45	470	VERTICAL	1	374569.27	3771267.61
POINT	B3	Boiler B-3	58.2	19.8	0.23	0.45	470	VERTICAL	1	374593.36	3771315.63
POINT	B4	Boiler B-4	59.6	19.8	0.23	0.45	470	VERTICAL	1	374613.73	3771233.50
POINT	SPB1	SP Boiler B-1	58.4	18.3	0.23	0.45	470	HORIZONTAL	1	374548.49	3771204.25
POINT	SPB2	SP Boiler B-2	57.1	18.3	0.23	0.45	470	VERTICAL	1	374475.99	3771207.31
Line Sources											
LINE_VOLUME	ROAD	On-site Road							2.18	374395.40	3771193.00
LINE_VOLUME	DOCK	Truck Loading Dock							2.18	374574.81	3771224.78
LINE_VOLUME	BCAMPN	Basecamp - North							2.18	374495.47	3771413.64
LINE_VOLUME	BCAMPS	Basecamp - South							2.18	374389.19	3771183.51
LINE_VOLUME	BCAMPE	Basecamp - East							2.18	374758.24	3771269.88
VOLUME	BLDW	Building Maintenance - West	59.77	15.24					3	374559.48	3771272.08
VOLUME	BLDGE1	Building Maintenance - East 1	61.71	15.24					3	374712.27	3771294.51
VOLUME	BLDGE2	Building Maintenance - East 2	60.9	15.24					3	374735.74	3771176.30
VOLUME	BLDGE3	Building Maintenance - East 3	60.89	15.24					3	374800.29	3771175.46
LINE_VOLUME	EMPPARK	Employee Parking							2.18	374403.35	3771404.15
LINE_VOLUME	OFF_W	Offsite - West							2.18	374381.68	3771517.89
LINE_VOLUME	OFF_N	Offsite - North							2.18	374381.20	3771434.28

Television City Health Risk Assessment

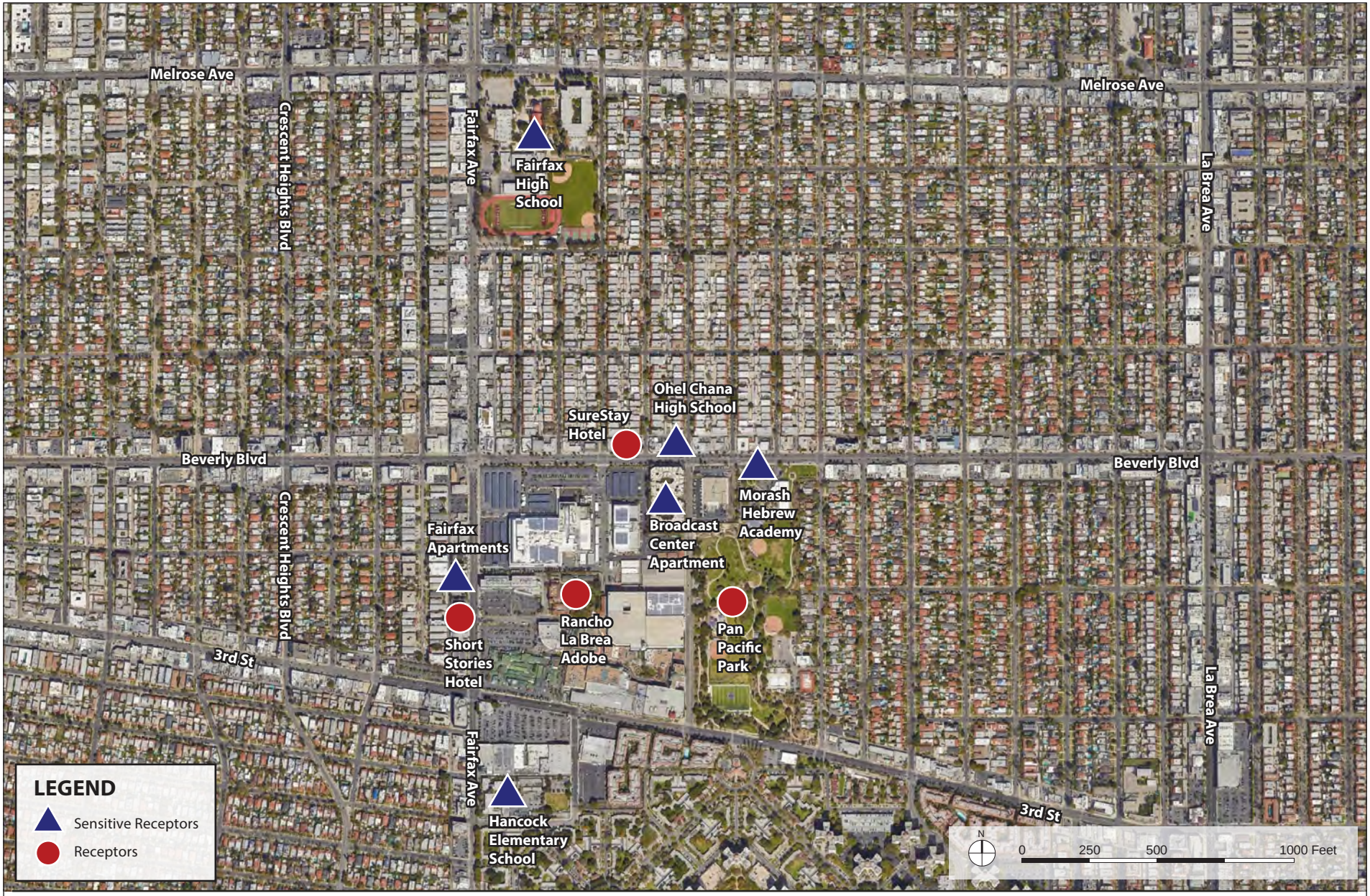
AERMOD Source Parameters - Project

Type	ID	Desc	Base_Elev	Height	Diam	Exit_Vel	Exit_Temp	Release_Type	Emission_Rate	X1	Y1
			[m]	[m]	[m]	[m/s]	[K]		g/s	[m]	[m]
Point Sources											
POINT	EGEN1	Emergency Generator 1	61.76	5.791	0.1524	40.8432	760	VERTICAL	1	374746.95	3771410.18
POINT	EGEN2	Emergency Generator 2	61.27	5.791	0.1524	40.8432	760	VERTICAL	1	374745.58	3771313.05
POINT	EGEN3	Emergency Generator 3	61.46	5.791	0.1524	40.8432	760	VERTICAL	1	374740.34	3771254.35
POINT	EGEN4	Emergency Generator 4	61.26	5.791	0.1524	40.8432	760	VERTICAL	1	374779.62	3771233.40
POINT	EGEN5	Emergency Generator 5	61.29	5.791	0.1524	40.8432	760	VERTICAL	1	374741.12	3771233.76
POINT	EGEN6	Emergency Generator 6	61.18	5.791	0.1524	40.8432	760	VERTICAL	1	374746.27	3771369.24
POINT	EGEN7	Emergency Generator 7	61.3	5.791	0.1524	40.8432	760	VERTICAL	1	374745.48	3771309.56
POINT	BIGBLUE	Big Blue Generator	56.85	6.4008	0.509016	22.9463	760	VERTICAL	1	374422.75	3771194.86
Line Sources											
LINE_VOLUME	ROAD	On-site Road							2.18	374395.40	3771193.00
LINE_VOLUME	EMPPARK	Employee Parking							2.18	374482.49	3771412.28
LINE_VOLUME	EMPPARK2	Employee Parking Structure							2.18	374826.59	3771226.49
LINE_VOLUME	BCAMPS	Basecamp - South							2.18	374389.19	3771183.51
LINE_VOLUME	BCAMPE	Basecamp - East							2.18	374758.24	3771269.88
LINE_VOLUME	BCAMPN	Basecamp - North							2.18	374482.49	3771412.28
LINE_VOLUME	OFF_W	Offsite - West							2.18	374381.68	3771517.89
LINE_VOLUME	OFF_N	Offsite - North							2.18	374381.20	3771434.28
LINE_VOLUME	MOBILITY	Mobility Hub							2.18	374405.48	3771228.52
VOLUME	BLDW	Building Maintenance - West	59.77	15.24					3	374559.48	3771272.08
VOLUME	BLDGE1	Building Maintenance - East 1	60.93	15.24					3	374707.60	3771363.24
VOLUME	BLDGE2	Building Maintenance - East 2	61.73	15.24					3	374717.39	3771281.73
VOLUME	BLDGE3	Building Maintenance - East 3	61.04	15.24					3	374788.06	3771187.34
VOLUME	PAINT1	Spray Paint Booth 1	61.47	6.096					3	374737.06	3771392.81
VOLUME	PAINT2	Spray Paint Booth 2	61	6.096					3	374735.62	3771342.07
VOLUME	PAINT3	Spray Paint Booth 3	61.6	6.096					3	374736.70	3771281.62

Appendix J

Receptor Diagrams



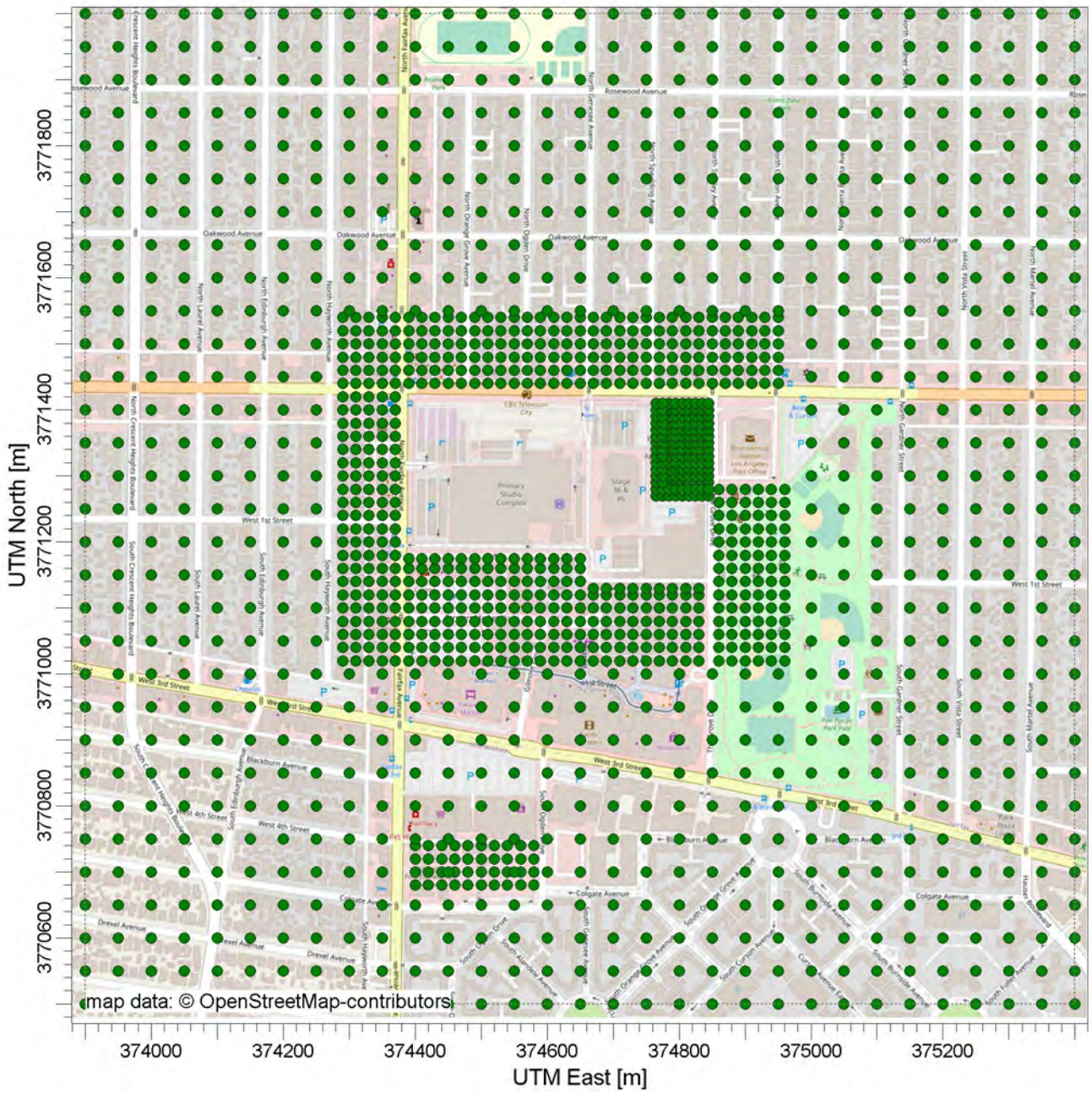


Television City – Health Risk Assessment Receptors

Source: Google Earth Pro, 2023; Eyestone Environmental, 2023.

PROJECT TITLE:

Television City HRA
Receptor Locations



COMMENTS: Receptor Locations	SOURCES: **24**	COMPANY NAME:	
	RECEPTORS: **1752**	MODELER:	
		SCALE: 1:9,684 0 0.3 km	
		DATE: **6/15/2023**	PROJECT NO.:

Appendix K



Health Risk Summary (Carcinogenic and Non-Carcinogenic)

Television City

Receptor Coordinates

Receptor	Receptor No.	X	Y
Broadcast Center Apartments	310	374765	3771270
Fairfax Apartments	54	374350	3771220
Gilmore Adobe	122	374610	3771440
Morasha Hebrew Academy	132	374810	3771440
Hancock Park Elementary School	643	374440	3770740
Fairfax High School	1671	374450	3771900
Ohel Chana High School	128	374730	3771440
SureStay Hotel	115	374470	3771440
Short Stories Hotel	39	374350	3771160
Pan Pacific Park	729	374860	3771280

Television City

Cancer Risk by Receptor

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Construction Exposure Parameters: 3-year exposure duration, 3rd trimester start age

Existing Operations	Max 1.23E-05	Construction	Max 6.27E-06	Project Operations	Max 7.41E-06	Incremental Increase	

No.	X	Y	Risk	No.	X	Y	Risk	No.	X	Y	Risk	Increase	Max
1	374290	3771020	3.08E-06	1	374290	3771020	2.96E-07	1	374290	3771020	1.74E-07	-2.61E-06	7.49E-06
2	374310	3771020	3.41E-06	2	374310	3771020	3.21E-07	2	374310	3771020	1.89E-07	-2.90E-06	
3	374330	3771020	3.70E-06	3	374330	3771020	3.50E-07	3	374330	3771020	2.03E-07	-3.15E-06	
4	374350	3771020	3.94E-06	4	374350	3771020	3.84E-07	4	374350	3771020	2.18E-07	-3.34E-06	
5	374370	3771020	4.11E-06	5	374370	3771020	4.20E-07	5	374370	3771020	2.33E-07	-3.46E-06	
6	374290	3771040	2.91E-06	6	374290	3771040	3.25E-07	6	374290	3771040	1.81E-07	-2.40E-06	
7	374310	3771040	3.29E-06	7	374310	3771040	3.58E-07	7	374310	3771040	1.96E-07	-2.74E-06	
8	374330	3771040	3.65E-06	8	374330	3771040	3.98E-07	8	374330	3771040	2.13E-07	-3.03E-06	
9	374350	3771040	3.96E-06	9	374350	3771040	4.55E-07	9	374350	3771040	2.30E-07	-3.28E-06	
10	374370	3771040	4.23E-06	10	374370	3771040	5.65E-07	10	374370	3771040	2.48E-07	-3.41E-06	
11	374290	3771060	2.69E-06	11	374290	3771060	3.59E-07	11	374290	3771060	1.88E-07	-2.14E-06	
12	374310	3771060	3.10E-06	12	374310	3771060	4.00E-07	12	374310	3771060	2.07E-07	-2.49E-06	
13	374330	3771060	3.50E-06	13	374330	3771060	4.54E-07	13	374330	3771060	2.26E-07	-2.82E-06	
14	374350	3771060	3.89E-06	14	374350	3771060	5.43E-07	14	374350	3771060	2.46E-07	-3.10E-06	
15	374370	3771060	4.26E-06	15	374370	3771060	8.56E-07	15	374370	3771060	2.67E-07	-3.13E-06	
16	374290	3771080	2.43E-06	16	374290	3771080	3.96E-07	16	374290	3771080	1.96E-07	-1.84E-06	
17	374310	3771080	2.86E-06	17	374310	3771080	4.47E-07	17	374310	3771080	2.18E-07	-2.19E-06	
18	374330	3771080	3.30E-06	18	374330	3771080	5.15E-07	18	374330	3771080	2.41E-07	-2.54E-06	
19	374350	3771080	3.73E-06	19	374350	3771080	6.29E-07	19	374350	3771080	2.65E-07	-2.83E-06	
20	374370	3771080	4.20E-06	20	374370	3771080	9.98E-07	20	374370	3771080	2.92E-07	-2.91E-06	
21	374290	3771100	2.17E-06	21	374290	3771100	4.36E-07	21	374290	3771100	2.05E-07	-1.53E-06	
22	374310	3771100	2.60E-06	22	374310	3771100	4.98E-07	22	374310	3771100	2.31E-07	-1.87E-06	
23	374330	3771100	3.06E-06	23	374330	3771100	5.82E-07	23	374330	3771100	2.60E-07	-2.22E-06	
24	374350	3771100	3.56E-06	24	374350	3771100	7.17E-07	24	374350	3771100	2.93E-07	-2.55E-06	
25	374370	3771100	4.06E-06	25	374370	3771100	1.11E-06	25	374370	3771100	3.25E-07	-2.63E-06	
26	374290	3771120	1.86E-06	26	374290	3771120	4.80E-07	26	374290	3771120	2.14E-07	-1.16E-06	
27	374310	3771120	2.30E-06	27	374310	3771120	5.56E-07	27	374310	3771120	2.44E-07	-1.50E-06	
28	374330	3771120	2.78E-06	28	374330	3771120	6.58E-07	28	374330	3771120	2.81E-07	-1.84E-06	
29	374350	3771120	3.31E-06	29	374350	3771120	8.18E-07	29	374350	3771120	3.22E-07	-2.17E-06	
30	374370	3771120	3.85E-06	30	374370	3771120	1.24E-06	30	374370	3771120	3.65E-07	-2.25E-06	
31	374290	3771140	1.59E-06	31	374290	3771140	5.28E-07	31	374290	3771140	2.21E-07	-8.41E-07	
32	374310	3771140	1.97E-06	32	374310	3771140	6.21E-07	32	374310	3771140	2.55E-07	-1.10E-06	
33	374330	3771140	2.45E-06	33	374330	3771140	7.48E-07	33	374330	3771140	2.98E-07	-1.41E-06	
34	374350	3771140	2.98E-06	34	374350	3771140	9.43E-07	34	374350	3771140	3.51E-07	-1.69E-06	
35	374370	3771140	3.58E-06	35	374370	3771140	1.42E-06	35	374370	3771140	4.12E-07	-1.75E-06	
36	374290	3771160	1.36E-06	36	374290	3771160	5.79E-07	36	374290	3771160	2.25E-07	-5.59E-07	
37	374310	3771160	1.65E-06	37	374310	3771160	6.93E-07	37	374310	3771160	2.62E-07	-6.97E-07	
38	374330	3771160	2.11E-06	38	374330	3771160	8.52E-07	38	374330	3771160	3.11E-07	-9.51E-07	
39	374350	3771160	2.65E-06	39	374350	3771160	1.10E-06	39	374350	3771160	3.75E-07	-1.17E-06	
40	374370	3771160	3.25E-06	40	374370	3771160	1.66E-06	40	374370	3771160	4.59E-07	-1.13E-06	
41	374290	3771180	1.14E-06	41	374290	3771180	6.31E-07	41	374290	3771180	2.25E-07	-2.85E-07	
42	374310	3771180	1.41E-06	42	374310	3771180	7.68E-07	42	374310	3771180	2.63E-07	-3.80E-07	
43	374330	3771180	1.76E-06	43	374330	3771180	9.68E-07	43	374330	3771180	3.13E-07	-4.74E-07	
44	374350	3771180	2.29E-06	44	374350	3771180	1.30E-06	44	374350	3771180	3.85E-07	-6.14E-07	
45	374370	3771180	2.99E-06	45	374370	3771180	2.03E-06	45	374370	3771180	4.97E-07	-4.60E-07	
46	374290	3771200	9.83E-07	46	374290	3771200	6.82E-07	46	374290	3771200	2.22E-07	-7.96E-08	
47	374310	3771200	1.17E-06	47	374310	3771200	8.44E-07	47	374310	3771200	2.58E-07	-6.87E-08	
48	374330	3771200	1.48E-06	48	374330	3771200	1.09E-06	48	374330	3771200	3.06E-07	-8.21E-08	
49	374350	3771200	1.89E-06	49	374350	3771200	1.51E-06	49	374350	3771200	3.72E-07	-4.73E-09	
50	374370	3771200	2.79E-06	50	374370	3771200	2.50E-06	50	374370	3771200	4.87E-07	2.01E-07	
51	374290	3771220	8.76E-07	51	374290	3771220	7.28E-07	51	374290	3771220	2.16E-07	6.67E-08	
52	374310	3771220	1.01E-06	52	374310	3771220	9.13E-07	52	374310	3771220	2.48E-07	1.48E-07	
53	374330	3771220	1.21E-06	53	374330	3771220	1.20E-06	53	374330	3771220	2.86E-07	2.72E-07	
54	374350	3771220	1.59E-06	54	374350	3771220	1.70E-06	54	374350	3771220	3.40E-07	4.55E-07	
55	374370	3771220	2.28E-06	55	374370	3771220	2.90E-06	55	374370	3771220	4.26E-07	1.05E-06	
56	374290	3771240	8.08E-07	56	374290	3771240	7.66E-07	56	374290	3771240	2.10E-07	1.68E-07	
57	374310	3771240	9.04E-07	57	374310	3771240	9.70E-07	57	374310	3771240	2.40E-07	3.07E-07	
58	374330	3771240	1.05E-06	58	374330	3771240	1.29E-06	58	374330	3771240	2.77E-07	5.12E-07	
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60	374370	3771240	1.75E-06	60	374370	3771240	3.15E-06	60	374370	3771240	3.85E-07	1.78E-06	
61	374290	3771260	7.72E-07	61	374290	3771260	7.94E-07	61	374290	3771260	2.05E-07	2.28E-07	
62	374310	3771260	8.50E-07	62	374310	3771260	1.01E-06	62	374310	3771260	2.34E-07	3.97E-07	
63	374330	3771260	9.49E-07	63	374330	3771260	1.35E-06	63	374330	3771260	2.69E-07	6.73E-07	
64	374350	3771260	1.11E-06	64	374350	3771260	1.95E-06	64	374350	3771260	3.05E-07	1.15E-06	

Television City

Cancer Risk by Receptor

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Construction Exposure Parameters: 3-year exposure duration, 3rd trimester start age

Existing Operations	Max 1.23E-05	Construction	Max 6.27E-06	Project Operations	Max 7.41E-06	Incremental Increase	

No.	X	Y	Risk	No.	X	Y	Risk	No.	X	Y	Risk	Increase	Max
65	374370	3771260	1.37E-06	65	374370	3771260	3.34E-06	65	374370	3771260	3.77E-07	2.35E-06	
66	374290	3771280	7.41E-07	66	374290	3771280	8.12E-07	66	374290	3771280	2.02E-07	2.73E-07	
67	374310	3771280	8.05E-07	67	374310	3771280	1.04E-06	67	374310	3771280	2.31E-07	4.65E-07	
68	374330	3771280	8.87E-07	68	374330	3771280	1.39E-06	68	374330	3771280	2.64E-07	7.71E-07	
69	374350	3771280	9.92E-07	69	374350	3771280	2.01E-06	69	374350	3771280	3.05E-07	1.33E-06	
70	374370	3771280	1.15E-06	70	374370	3771280	3.40E-06	70	374370	3771280	3.84E-07	2.63E-06	
71	374290	3771300	7.13E-07	71	374290	3771300	8.18E-07	71	374290	3771300	2.00E-07	3.05E-07	
72	374310	3771300	7.69E-07	72	374310	3771300	1.05E-06	72	374310	3771300	2.28E-07	5.09E-07	
73	374330	3771300	8.33E-07	73	374330	3771300	1.41E-06	73	374330	3771300	2.65E-07	8.46E-07	
74	374350	3771300	9.19E-07	74	374350	3771300	2.05E-06	74	374350	3771300	3.12E-07	1.44E-06	
75	374370	3771300	1.03E-06	75	374370	3771300	3.47E-06	75	374370	3771300	3.96E-07	2.84E-06	
76	374290	3771320	6.82E-07	76	374290	3771320	8.14E-07	76	374290	3771320	1.98E-07	3.30E-07	
77	374310	3771320	7.25E-07	77	374310	3771320	1.05E-06	77	374310	3771320	2.29E-07	5.50E-07	
78	374330	3771320	7.82E-07	78	374330	3771320	1.41E-06	78	374330	3771320	2.68E-07	8.95E-07	
79	374350	3771320	8.45E-07	79	374350	3771320	2.05E-06	79	374350	3771320	3.27E-07	1.53E-06	
80	374370	3771320	9.30E-07	80	374370	3771320	3.53E-06	80	374370	3771320	4.11E-07	3.01E-06	
81	374290	3771340	6.39E-07	81	374290	3771340	7.98E-07	81	374290	3771340	1.96E-07	3.54E-07	
82	374310	3771340	6.76E-07	82	374310	3771340	1.03E-06	82	374310	3771340	2.29E-07	5.78E-07	
83	374330	3771340	7.20E-07	83	374330	3771340	1.38E-06	83	374330	3771340	2.71E-07	9.33E-07	
84	374350	3771340	7.72E-07	84	374350	3771340	2.01E-06	84	374350	3771340	3.33E-07	1.57E-06	
85	374370	3771340	8.38E-07	85	374370	3771340	3.44E-06	85	374370	3771340	4.23E-07	3.03E-06	
86	374290	3771360	6.04E-07	86	374290	3771360	7.70E-07	86	374290	3771360	1.92E-07	3.58E-07	
87	374310	3771360	6.33E-07	87	374310	3771360	9.87E-07	87	374310	3771360	2.26E-07	5.81E-07	
88	374330	3771360	6.69E-07	88	374330	3771360	1.33E-06	88	374330	3771360	2.70E-07	9.31E-07	
89	374350	3771360	7.13E-07	89	374350	3771360	1.94E-06	89	374350	3771360	3.31E-07	1.56E-06	
90	374370	3771360	7.66E-07	90	374370	3771360	3.39E-06	90	374370	3771360	4.14E-07	3.04E-06	
91	374290	3771380	5.70E-07	91	374290	3771380	7.32E-07	91	374290	3771380	1.86E-07	3.48E-07	
92	374310	3771380	5.97E-07	92	374310	3771380	9.34E-07	92	374310	3771380	2.20E-07	5.57E-07	
93	374330	3771380	6.25E-07	93	374330	3771380	1.25E-06	93	374330	3771380	2.65E-07	8.91E-07	
94	374350	3771380	6.62E-07	94	374350	3771380	1.82E-06	94	374350	3771380	3.22E-07	1.48E-06	
95	374370	3771380	7.09E-07	95	374370	3771380	3.19E-06	95	374370	3771380	3.95E-07	2.87E-06	
96	374290	3771400	5.44E-07	96	374290	3771400	6.86E-07	96	374290	3771400	1.81E-07	3.23E-07	
97	374310	3771400	5.66E-07	97	374310	3771400	8.67E-07	97	374310	3771400	2.13E-07	5.13E-07	
98	374330	3771400	5.94E-07	98	374330	3771400	1.15E-06	98	374330	3771400	2.57E-07	8.10E-07	
99	374350	3771400	6.26E-07	99	374350	3771400	1.64E-06	99	374350	3771400	3.12E-07	1.33E-06	
100	374370	3771400	6.68E-07	100	374370	3771400	2.77E-06	100	374370	3771400	3.78E-07	2.48E-06	
101	374290	3771420	5.23E-07	101	374290	3771420	6.35E-07	101	374290	3771420	1.76E-07	2.88E-07	
102	374310	3771420	5.43E-07	102	374310	3771420	7.91E-07	102	374310	3771420	2.05E-07	4.53E-07	
103	374330	3771420	5.68E-07	103	374330	3771420	1.03E-06	103	374330	3771420	2.44E-07	7.05E-07	
104	374350	3771420	5.97E-07	104	374350	3771420	1.43E-06	104	374350	3771420	2.98E-07	1.13E-06	
105	374370	3771420	6.33E-07	105	374370	3771420	2.36E-06	105	374370	3771420	3.62E-07	2.09E-06	
106	374290	3771440	5.04E-07	106	374290	3771440	5.80E-07	106	374290	3771440	1.72E-07	2.48E-07	
107	374310	3771440	5.25E-07	107	374310	3771440	7.12E-07	107	374310	3771440	1.99E-07	3.87E-07	
108	374330	3771440	5.47E-07	108	374330	3771440	9.06E-07	108	374330	3771440	2.34E-07	5.93E-07	
109	374350	3771440	5.74E-07	109	374350	3771440	1.22E-06	109	374350	3771440	2.80E-07	9.30E-07	
110	374370	3771440	6.04E-07	110	374370	3771440	1.96E-06	110	374370	3771440	3.38E-07	1.70E-06	
111	374390	3771440	6.45E-07	111	374390	3771440	2.89E-06	111	374390	3771440	4.15E-07	2.66E-06	
112	374410	3771440	6.98E-07	112	374410	3771440	3.31E-06	112	374410	3771440	5.25E-07	3.14E-06	
113	374430	3771440	7.63E-07	113	374430	3771440	3.69E-06	113	374430	3771440	6.36E-07	3.56E-06	
114	374450	3771440	8.42E-07	114	374450	3771440	3.97E-06	114	374450	3771440	7.28E-07	3.86E-06	
115	374470	3771440	9.35E-07	115	374470	3771440	4.19E-06	115	374470	3771440	8.09E-07	4.06E-06	
116	374490	3771440	1.06E-06	116	374490	3771440	4.38E-06	116	374490	3771440	8.58E-07	4.18E-06	
117	374510	3771440	1.21E-06	117	374510	3771440	4.54E-06	117	374510	3771440	8.62E-07	4.19E-06	
118	374530	3771440	1.43E-06	118	374530	3771440	4.64E-06	118	374530	3771440	8.69E-07	4.08E-06	
119	374550	3771440	1.69E-06	119	374550	3771440	4.70E-06	119	374550	3771440	8.73E-07	3.89E-06	
120	374570	3771440	2.00E-06	120	374570	3771440	4.74E-06	120	374570	3771440	8.84E-07	3.62E-06	
121	374590	3771440	2.38E-06	121	374590	3771440	4.74E-06	121	374590	3771440	8.73E-07	3.23E-06	
122	374610	3771440	2.72E-06	122	374610	3771440	4.73E-06	122	374610	3771440	8.62E-07	2.87E-06	
123	374630	3771440	2.95E-06	123	374630	3771440	4.69E-06	123	374630	3771440	8.83E-07	2.63E-06	
124	374650	3771440	3.03E-06	124	374650	3771440	4.63E-06	124	374650	3771440	9.38E-07	2.53E-06	
125	374670	3771440	2.94E-06	125	374670	3771440	4.53E-06	125	374670	3771440	9.57E-07	2.55E-06	
126	374690	3771440	2.85E-06	126	374690	3771440	4.39E-06	126	374690	3771440	9.36E-07	2.48E-06	
127	374710	3771440	2.86E-06	127	374710	3771440	4.18E-06	127	374710	3771440	9.96E-07	2.31E-06	
128	374730	3771440	3.04E-06	128	374730	3771440	3.84E-06	128	374730	3771440	1.15E-06	1.95E-06	

Television City

Cancer Risk by Receptor

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Construction Exposure Parameters: 3-year exposure duration, 3rd trimester start age

Existing Operations	Max 1.23E-05	Construction	Max 6.27E-06	Project Operations	Max 7.41E-06	Incremental Increase	

No.	X	Y	Risk	No.	X	Y	Risk	No.	X	Y	Risk	Increase	Max
129	374750	3771440	3.09E-06	129	374750	3771440	3.31E-06	129	374750	3771440	1.37E-06	1.59E-06	
130	374770	3771440	2.81E-06	130	374770	3771440	2.74E-06	130	374770	3771440	1.31E-06	1.24E-06	
131	374790	3771440	2.52E-06	131	374790	3771440	2.30E-06	131	374790	3771440	1.11E-06	8.88E-07	
132	374810	3771440	2.28E-06	132	374810	3771440	1.98E-06	132	374810	3771440	9.62E-07	6.55E-07	
133	374830	3771440	2.12E-06	133	374830	3771440	1.72E-06	133	374830	3771440	8.68E-07	4.73E-07	
134	374850	3771440	1.99E-06	134	374850	3771440	1.49E-06	134	374850	3771440	7.95E-07	2.95E-07	
135	374870	3771440	1.88E-06	135	374870	3771440	1.17E-06	135	374870	3771440	7.37E-07	2.42E-08	
136	374890	3771440	1.80E-06	136	374890	3771440	9.39E-07	136	374890	3771440	6.91E-07	-1.68E-07	
137	374910	3771440	1.72E-06	137	374910	3771440	8.11E-07	137	374910	3771440	6.47E-07	-2.64E-07	
138	374930	3771440	1.65E-06	138	374930	3771440	7.15E-07	138	374930	3771440	6.12E-07	-3.25E-07	
139	374950	3771440	1.59E-06	139	374950	3771440	6.37E-07	139	374950	3771440	5.77E-07	-3.72E-07	
140	374290	3771460	4.90E-07	140	374290	3771460	5.26E-07	140	374290	3771460	1.68E-07	2.04E-07	
141	374310	3771460	5.08E-07	141	374310	3771460	6.34E-07	141	374310	3771460	1.94E-07	3.20E-07	
142	374330	3771460	5.30E-07	142	374330	3771460	7.89E-07	142	374330	3771460	2.27E-07	4.86E-07	
143	374350	3771460	5.54E-07	143	374350	3771460	1.03E-06	143	374350	3771460	2.68E-07	7.47E-07	
144	374370	3771460	5.81E-07	144	374370	3771460	1.58E-06	144	374370	3771460	3.16E-07	1.32E-06	
145	374390	3771460	6.15E-07	145	374390	3771460	2.03E-06	145	374390	3771460	3.81E-07	1.80E-06	
146	374410	3771460	6.60E-07	146	374410	3771460	1.93E-06	146	374410	3771460	4.68E-07	1.74E-06	
147	374430	3771460	7.14E-07	147	374430	3771460	2.12E-06	147	374430	3771460	5.56E-07	1.96E-06	
148	374450	3771460	7.82E-07	148	374450	3771460	2.32E-06	148	374450	3771460	6.23E-07	2.16E-06	
149	374470	3771460	8.63E-07	149	374470	3771460	2.49E-06	149	374470	3771460	6.74E-07	2.30E-06	
150	374490	3771460	9.68E-07	150	374490	3771460	2.63E-06	150	374490	3771460	7.12E-07	2.38E-06	
151	374510	3771460	1.12E-06	151	374510	3771460	2.76E-06	151	374510	3771460	7.32E-07	2.38E-06	
152	374530	3771460	1.32E-06	152	374530	3771460	2.85E-06	152	374530	3771460	7.36E-07	2.27E-06	
153	374550	3771460	1.54E-06	153	374550	3771460	2.92E-06	153	374550	3771460	7.31E-07	2.11E-06	
154	374570	3771460	1.80E-06	154	374570	3771460	2.97E-06	154	374570	3771460	7.18E-07	1.88E-06	
155	374590	3771460	2.11E-06	155	374590	3771460	2.99E-06	155	374590	3771460	7.10E-07	1.59E-06	
156	374610	3771460	2.39E-06	156	374610	3771460	3.00E-06	156	374610	3771460	7.05E-07	1.31E-06	
157	374630	3771460	2.58E-06	157	374630	3771460	2.99E-06	157	374630	3771460	7.09E-07	1.12E-06	
158	374650	3771460	2.65E-06	158	374650	3771460	2.95E-06	158	374650	3771460	7.23E-07	1.03E-06	
159	374670	3771460	2.58E-06	159	374670	3771460	2.90E-06	159	374670	3771460	7.36E-07	1.05E-06	
160	374690	3771460	2.52E-06	160	374690	3771460	2.81E-06	160	374690	3771460	7.53E-07	1.04E-06	
161	374710	3771460	2.50E-06	161	374710	3771460	2.67E-06	161	374710	3771460	7.85E-07	9.54E-07	
162	374730	3771460	2.52E-06	162	374730	3771460	2.48E-06	162	374730	3771460	8.39E-07	7.93E-07	
163	374750	3771460	2.50E-06	163	374750	3771460	2.23E-06	163	374750	3771460	8.89E-07	6.19E-07	
164	374770	3771460	2.37E-06	164	374770	3771460	1.96E-06	164	374770	3771460	8.88E-07	4.72E-07	
165	374790	3771460	2.22E-06	165	374790	3771460	1.71E-06	165	374790	3771460	8.37E-07	3.31E-07	
166	374810	3771460	2.05E-06	166	374810	3771460	1.50E-06	166	374810	3771460	7.82E-07	2.34E-07	
167	374830	3771460	1.92E-06	167	374830	3771460	1.31E-06	167	374830	3771460	7.27E-07	1.22E-07	
168	374850	3771460	1.80E-06	168	374850	3771460	1.15E-06	168	374850	3771460	6.82E-07	2.49E-08	
169	374870	3771460	1.72E-06	169	374870	3771460	9.94E-07	169	374870	3771460	6.42E-07	-8.15E-08	
170	374890	3771460	1.65E-06	170	374890	3771460	8.65E-07	170	374890	3771460	6.08E-07	-1.72E-07	
171	374910	3771460	1.59E-06	171	374910	3771460	7.62E-07	171	374910	3771460	5.77E-07	-2.46E-07	
172	374930	3771460	1.53E-06	172	374930	3771460	6.78E-07	172	374930	3771460	5.52E-07	-3.04E-07	
173	374950	3771460	1.48E-06	173	374950	3771460	6.08E-07	173	374950	3771460	5.27E-07	-3.45E-07	
174	374290	3771480	4.77E-07	174	374290	3771480	4.74E-07	174	374290	3771480	1.64E-07	1.60E-07	
175	374310	3771480	4.95E-07	175	374310	3771480	5.62E-07	175	374310	3771480	1.89E-07	2.56E-07	
176	374330	3771480	5.13E-07	176	374330	3771480	6.83E-07	176	374330	3771480	2.20E-07	3.90E-07	
177	374350	3771480	5.35E-07	177	374350	3771480	8.75E-07	177	374350	3771480	2.58E-07	5.98E-07	
178	374370	3771480	5.60E-07	178	374370	3771480	1.33E-06	178	374370	3771480	3.02E-07	1.07E-06	
179	374390	3771480	5.91E-07	179	374390	3771480	1.65E-06	179	374390	3771480	3.55E-07	1.41E-06	
180	374410	3771480	6.27E-07	180	374410	3771480	1.41E-06	180	374410	3771480	4.27E-07	1.21E-06	
181	374430	3771480	6.74E-07	181	374430	3771480	1.51E-06	181	374430	3771480	4.98E-07	1.34E-06	
182	374450	3771480	7.33E-07	182	374450	3771480	1.65E-06	182	374450	3771480	5.52E-07	1.47E-06	
183	374470	3771480	8.06E-07	183	374470	3771480	1.77E-06	183	374470	3771480	5.95E-07	1.56E-06	
184	374490	3771480	9.04E-07	184	374490	3771480	1.89E-06	184	374490	3771480	6.26E-07	1.61E-06	
185	374510	3771480	1.04E-06	185	374510	3771480	1.98E-06	185	374510	3771480	6.45E-07	1.58E-06	
186	374530	3771480	1.23E-06	186	374530	3771480	2.06E-06	186	374530	3771480	6.53E-07	1.49E-06	
187	374550	3771480	1.42E-06	187	374550	3771480	2.12E-06	187	374550	3771480	6.47E-07	1.35E-06	
188	374570	3771480	1.63E-06	188	374570	3771480	2.16E-06	188	374570	3771480	6.37E-07	1.17E-06	
189	374590	3771480	1.89E-06	189	374590	3771480	2.19E-06	189	374590	3771480	6.26E-07	9.28E-07	
190	374610	3771480	2.13E-06	190	374610	3771480	2.20E-06	190	374610	3771480	6.17E-07	6.92E-07	
191	374630	3771480	2.29E-06	191	374630	3771480	2.20E-06	191	374630	3771480	6.14E-07	5.25E-07	
192	374650	3771480	2.36E-06	192	374650	3771480	2.18E-06	192	374650	3771480	6.15E-07	4.39E-07	

Television City

Cancer Risk by Receptor

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Construction Exposure Parameters: 3-year exposure duration, 3rd trimester start age

Existing Operations			Max 1.23E-05	Construction			Max 6.27E-06	Project Operations			Max 7.41E-06	Incremental Increase	
No.	X	Y	Risk	No.	X	Y	Risk	No.	X	Y	Risk	Increase	Max
193	374670	3771480	2.31E-06	193	374670	3771480	2.14E-06	193	374670	3771480	6.22E-07	4.52E-07	
194	374690	3771480	2.25E-06	194	374690	3771480	2.08E-06	194	374690	3771480	6.34E-07	4.59E-07	
195	374710	3771480	2.24E-06	195	374710	3771480	1.99E-06	195	374710	3771480	6.48E-07	4.03E-07	
196	374730	3771480	2.22E-06	196	374730	3771480	1.87E-06	196	374730	3771480	6.70E-07	3.19E-07	
197	374750	3771480	2.18E-06	197	374750	3771480	1.72E-06	197	374750	3771480	6.86E-07	2.25E-07	
198	374770	3771480	2.08E-06	198	374770	3771480	1.56E-06	198	374770	3771480	6.83E-07	1.59E-07	
199	374790	3771480	1.98E-06	199	374790	3771480	1.41E-06	199	374790	3771480	6.70E-07	1.01E-07	
200	374810	3771480	1.84E-06	200	374810	3771480	1.26E-06	200	374810	3771480	6.47E-07	6.44E-08	
201	374830	3771480	1.74E-06	201	374830	3771480	1.12E-06	201	374830	3771480	6.18E-07	7.00E-10	
202	374850	3771480	1.65E-06	202	374850	3771480	1.00E-06	202	374850	3771480	5.91E-07	-5.69E-08	
203	374870	3771480	1.57E-06	203	374870	3771480	8.91E-07	203	374870	3771480	5.66E-07	-1.15E-07	
204	374890	3771480	1.51E-06	204	374890	3771480	7.95E-07	204	374890	3771480	5.40E-07	-1.72E-07	
205	374910	3771480	1.46E-06	205	374910	3771480	7.11E-07	205	374910	3771480	5.13E-07	-2.34E-07	
206	374930	3771480	1.41E-06	206	374930	3771480	6.39E-07	206	374930	3771480	4.93E-07	-2.82E-07	
207	374950	3771480	1.37E-06	207	374950	3771480	5.77E-07	207	374950	3771480	4.73E-07	-3.17E-07	
208	374290	3771500	4.66E-07	208	374290	3771500	4.24E-07	208	374290	3771500	1.60E-07	1.18E-07	
209	374310	3771500	4.82E-07	209	374310	3771500	4.95E-07	209	374310	3771500	1.84E-07	1.97E-07	
210	374330	3771500	4.99E-07	210	374330	3771500	5.92E-07	210	374330	3771500	2.14E-07	3.07E-07	
211	374350	3771500	5.18E-07	211	374350	3771500	7.42E-07	211	374350	3771500	2.48E-07	4.73E-07	
212	374370	3771500	5.41E-07	212	374370	3771500	1.12E-06	212	374370	3771500	2.89E-07	8.68E-07	
213	374390	3771500	5.67E-07	213	374390	3771500	1.38E-06	213	374390	3771500	3.37E-07	1.15E-06	
214	374410	3771500	5.98E-07	214	374410	3771500	1.11E-06	214	374410	3771500	4.02E-07	9.12E-07	
215	374430	3771500	6.39E-07	215	374430	3771500	1.17E-06	215	374430	3771500	4.63E-07	9.90E-07	
216	374450	3771500	6.91E-07	216	374450	3771500	1.26E-06	216	374450	3771500	5.14E-07	1.08E-06	
217	374470	3771500	7.61E-07	217	374470	3771500	1.36E-06	217	374470	3771500	5.53E-07	1.15E-06	
218	374490	3771500	8.53E-07	218	374490	3771500	1.44E-06	218	374490	3771500	5.81E-07	1.17E-06	
219	374510	3771500	9.82E-07	219	374510	3771500	1.52E-06	219	374510	3771500	5.98E-07	1.14E-06	
220	374530	3771500	1.15E-06	220	374530	3771500	1.59E-06	220	374530	3771500	6.03E-07	1.04E-06	
221	374550	3771500	1.31E-06	221	374550	3771500	1.64E-06	221	374550	3771500	5.98E-07	9.22E-07	
222	374570	3771500	1.50E-06	222	374570	3771500	1.68E-06	222	374570	3771500	5.86E-07	7.63E-07	
223	374590	3771500	1.71E-06	223	374590	3771500	1.70E-06	223	374590	3771500	5.73E-07	5.61E-07	
224	374610	3771500	1.91E-06	224	374610	3771500	1.72E-06	224	374610	3771500	5.60E-07	3.62E-07	
225	374630	3771500	2.05E-06	225	374630	3771500	1.72E-06	225	374630	3771500	5.51E-07	2.14E-07	
226	374650	3771500	2.12E-06	226	374650	3771500	1.70E-06	226	374650	3771500	5.49E-07	1.27E-07	
227	374670	3771500	2.10E-06	227	374670	3771500	1.68E-06	227	374670	3771500	5.47E-07	1.25E-07	
228	374690	3771500	2.05E-06	228	374690	3771500	1.64E-06	228	374690	3771500	5.47E-07	1.31E-07	
229	374710	3771500	2.03E-06	229	374710	3771500	1.58E-06	229	374710	3771500	5.53E-07	1.01E-07	
230	374730	3771500	2.01E-06	230	374730	3771500	1.50E-06	230	374730	3771500	5.61E-07	4.85E-08	
231	374750	3771500	1.96E-06	231	374750	3771500	1.40E-06	231	374750	3771500	5.70E-07	8.34E-09	
232	374770	3771500	1.88E-06	232	374770	3771500	1.30E-06	232	374770	3771500	5.69E-07	-1.86E-08	
233	374790	3771500	1.78E-06	233	374790	3771500	1.19E-06	233	374790	3771500	5.60E-07	-2.86E-08	
234	374810	3771500	1.68E-06	234	374810	3771500	1.09E-06	234	374810	3771500	5.48E-07	-4.36E-08	
235	374830	3771500	1.59E-06	235	374830	3771500	9.86E-07	235	374830	3771500	5.33E-07	-6.82E-08	
236	374850	3771500	1.51E-06	236	374850	3771500	8.91E-07	236	374850	3771500	5.15E-07	-1.07E-07	
237	374870	3771500	1.45E-06	237	374870	3771500	8.06E-07	237	374870	3771500	4.97E-07	-1.43E-07	
238	374890	3771500	1.38E-06	238	374890	3771500	7.29E-07	238	374890	3771500	4.79E-07	-1.73E-07	
239	374910	3771500	1.34E-06	239	374910	3771500	6.60E-07	239	374910	3771500	4.60E-07	-2.17E-07	
240	374930	3771500	1.29E-06	240	374930	3771500	5.98E-07	240	374930	3771500	4.44E-07	-2.53E-07	
241	374950	3771500	1.26E-06	241	374950	3771500	5.44E-07	241	374950	3771500	4.28E-07	-2.86E-07	
242	374290	3771520	4.54E-07	242	374290	3771520	3.80E-07	242	374290	3771520	1.56E-07	8.17E-08	
243	374310	3771520	4.69E-07	243	374310	3771520	4.37E-07	243	374310	3771520	1.79E-07	1.46E-07	
244	374330	3771520	4.86E-07	244	374330	3771520	5.12E-07	244	374330	3771520	2.07E-07	2.32E-07	
245	374350	3771520	5.04E-07	245	374350	3771520	6.18E-07	245	374350	3771520	2.39E-07	3.54E-07	
246	374370	3771520	5.22E-07	246	374370	3771520	8.25E-07	246	374370	3771520	2.77E-07	5.80E-07	
247	374390	3771520	5.44E-07	247	374390	3771520	9.66E-07	247	374390	3771520	3.20E-07	7.42E-07	
248	374410	3771520	5.73E-07	248	374410	3771520	8.82E-07	248	374410	3771520	3.77E-07	6.86E-07	
249	374430	3771520	6.09E-07	249	374430	3771520	9.34E-07	249	374430	3771520	4.33E-07	7.58E-07	
250	374450	3771520	6.56E-07	250	374450	3771520	1.01E-06	250	374450	3771520	4.81E-07	8.32E-07	
251	374470	3771520	7.25E-07	251	374470	3771520	1.08E-06	251	374470	3771520	5.17E-07	8.74E-07	
252	374490	3771520	8.09E-07	252	374490	3771520	1.15E-06	252	374490	3771520	5.43E-07	8.85E-07	
253	374510	3771520	9.30E-07	253	374510	3771520	1.21E-06	253	374510	3771520	5.59E-07	8.42E-07	
254	374530	3771520	1.07E-06	254	374530	3771520	1.27E-06	254	374530	3771520	5.62E-07	7.57E-07	
255	374550	3771520	1.22E-06	255	374550	3771520	1.31E-06	255	374550	3771520	5.59E-07	6.46E-07	
256	374570	3771520	1.38E-06	256	374570	3771520	1.34E-06	256	374570	3771520	5.46E-07	5.09E-07	

Television City

Cancer Risk by Receptor

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Construction Exposure Parameters: 3-year exposure duration, 3rd trimester start age

Existing Operations			Max 1.23E-05	Construction			Max 6.27E-06	Project Operations			Max 7.41E-06	Incremental Increase	
No.	X	Y	Risk	No.	X	Y	Risk	No.	X	Y	Risk	Increase	Max
257	374590	3771520	1.57E-06	257	374590	3771520	1.37E-06	257	374590	3771520	5.33E-07	3.30E-07	
258	374610	3771520	1.74E-06	258	374610	3771520	1.38E-06	258	374610	3771520	5.18E-07	1.56E-07	
259	374630	3771520	1.86E-06	259	374630	3771520	1.38E-06	259	374630	3771520	5.05E-07	2.50E-08	
260	374650	3771520	1.94E-06	260	374650	3771520	1.38E-06	260	374650	3771520	4.99E-07	-6.30E-08	
261	374670	3771520	1.93E-06	261	374670	3771520	1.36E-06	261	374670	3771520	4.93E-07	-7.60E-08	
262	374690	3771520	1.89E-06	262	374690	3771520	1.33E-06	262	374690	3771520	4.89E-07	-6.68E-08	
263	374710	3771520	1.87E-06	263	374710	3771520	1.29E-06	263	374710	3771520	4.88E-07	-8.79E-08	
264	374730	3771520	1.84E-06	264	374730	3771520	1.24E-06	264	374730	3771520	4.91E-07	-1.18E-07	
265	374750	3771520	1.79E-06	265	374750	3771520	1.17E-06	265	374750	3771520	4.95E-07	-1.32E-07	
266	374770	3771520	1.73E-06	266	374770	3771520	1.10E-06	266	374770	3771520	4.93E-07	-1.37E-07	
267	374790	3771520	1.64E-06	267	374790	3771520	1.02E-06	267	374790	3771520	4.86E-07	-1.30E-07	
268	374810	3771520	1.55E-06	268	374810	3771520	9.47E-07	268	374810	3771520	4.77E-07	-1.24E-07	
269	374830	3771520	1.47E-06	269	374830	3771520	8.68E-07	269	374830	3771520	4.67E-07	-1.31E-07	
270	374850	3771520	1.40E-06	270	374850	3771520	7.95E-07	270	374850	3771520	4.54E-07	-1.52E-07	
271	374870	3771520	1.34E-06	271	374870	3771520	7.28E-07	271	374870	3771520	4.42E-07	-1.66E-07	
272	374890	3771520	1.28E-06	272	374890	3771520	6.66E-07	272	374890	3771520	4.29E-07	-1.87E-07	
273	374910	3771520	1.24E-06	273	374910	3771520	6.09E-07	273	374910	3771520	4.15E-07	-2.12E-07	
274	374930	3771520	1.20E-06	274	374930	3771520	5.57E-07	274	374930	3771520	4.00E-07	-2.40E-07	
275	374950	3771520	1.16E-06	275	374950	3771520	5.10E-07	275	374950	3771520	3.88E-07	-2.64E-07	
276	374290	3771540	4.44E-07	276	374290	3771540	3.42E-07	276	374290	3771540	1.52E-07	4.98E-08	
277	374310	3771540	4.57E-07	277	374310	3771540	3.87E-07	277	374310	3771540	1.74E-07	1.04E-07	
278	374330	3771540	4.72E-07	278	374330	3771540	4.43E-07	278	374330	3771540	2.00E-07	1.70E-07	
279	374350	3771540	4.85E-07	279	374350	3771540	5.09E-07	279	374350	3771540	2.30E-07	2.54E-07	
280	374370	3771540	5.04E-07	280	374370	3771540	5.93E-07	280	374370	3771540	2.64E-07	3.54E-07	
281	374390	3771540	5.23E-07	281	374390	3771540	6.63E-07	281	374390	3771540	3.04E-07	4.43E-07	
282	374410	3771540	5.49E-07	282	374410	3771540	7.11E-07	282	374410	3771540	3.57E-07	5.19E-07	
283	374430	3771540	5.83E-07	283	374430	3771540	7.67E-07	283	374430	3771540	4.05E-07	5.89E-07	
284	374450	3771540	6.29E-07	284	374450	3771540	8.27E-07	284	374450	3771540	4.52E-07	6.50E-07	
285	374470	3771540	6.91E-07	285	374470	3771540	8.86E-07	285	374470	3771540	4.86E-07	6.81E-07	
286	374490	3771540	7.72E-07	286	374490	3771540	9.42E-07	286	374490	3771540	5.09E-07	6.78E-07	
287	374510	3771540	8.81E-07	287	374510	3771540	9.92E-07	287	374510	3771540	5.24E-07	6.35E-07	
288	374530	3771540	1.01E-06	288	374530	3771540	1.04E-06	288	374530	3771540	5.29E-07	5.59E-07	
289	374550	3771540	1.14E-06	289	374550	3771540	1.07E-06	289	374550	3771540	5.25E-07	4.58E-07	
290	374570	3771540	1.28E-06	290	374570	3771540	1.10E-06	290	374570	3771540	5.14E-07	3.33E-07	
291	374590	3771540	1.45E-06	291	374590	3771540	1.12E-06	291	374590	3771540	4.99E-07	1.75E-07	
292	374610	3771540	1.59E-06	292	374610	3771540	1.14E-06	292	374610	3771540	4.84E-07	2.76E-08	
293	374630	3771540	1.70E-06	293	374630	3771540	1.14E-06	293	374630	3771540	4.69E-07	-9.47E-08	
294	374650	3771540	1.78E-06	294	374650	3771540	1.14E-06	294	374650	3771540	4.60E-07	-1.78E-07	
295	374670	3771540	1.78E-06	295	374670	3771540	1.13E-06	295	374670	3771540	4.52E-07	-2.01E-07	
296	374690	3771540	1.75E-06	296	374690	3771540	1.11E-06	296	374690	3771540	4.47E-07	-1.96E-07	
297	374710	3771540	1.73E-06	297	374710	3771540	1.08E-06	297	374710	3771540	4.43E-07	-2.09E-07	
298	374730	3771540	1.71E-06	298	374730	3771540	1.04E-06	298	374730	3771540	4.41E-07	-2.28E-07	
299	374750	3771540	1.66E-06	299	374750	3771540	9.92E-07	299	374750	3771540	4.39E-07	-2.26E-07	
300	374770	3771540	1.60E-06	300	374770	3771540	9.40E-07	300	374770	3771540	4.38E-07	-2.20E-07	
301	374790	3771540	1.52E-06	301	374790	3771540	8.86E-07	301	374790	3771540	4.31E-07	-2.01E-07	
302	374810	3771540	1.44E-06	302	374810	3771540	8.29E-07	302	374810	3771540	4.23E-07	-1.85E-07	
303	374830	3771540	1.36E-06	303	374830	3771540	7.70E-07	303	374830	3771540	4.18E-07	-1.76E-07	
304	374850	3771540	1.30E-06	304	374850	3771540	7.13E-07	304	374850	3771540	4.08E-07	-1.82E-07	
305	374870	3771540	1.24E-06	305	374870	3771540	6.59E-07	305	374870	3771540	3.97E-07	-1.88E-07	
306	374890	3771540	1.19E-06	306	374890	3771540	6.08E-07	306	374890	3771540	3.86E-07	-1.95E-07	
307	374910	3771540	1.15E-06	307	374910	3771540	5.61E-07	307	374910	3771540	3.75E-07	-2.10E-07	
308	374930	3771540	1.11E-06	308	374930	3771540	5.17E-07	308	374930	3771540	3.65E-07	-2.27E-07	
309	374950	3771540	1.08E-06	309	374950	3771540	4.77E-07	309	374950	3771540	3.53E-07	-2.46E-07	
310	374765	3771270	6.19E-06	310	374765	3771270	6.27E-06	310	374765	3771270	7.41E-06	7.49E-06	
311	374775	3771270	5.85E-06	311	374775	3771270	5.35E-06	311	374775	3771270	6.41E-06	5.92E-06	
312	374785	3771270	5.63E-06	312	374785	3771270	4.82E-06	312	374785	3771270	5.89E-06	5.07E-06	
313	374795	3771270	5.27E-06	313	374795	3771270	4.43E-06	313	374795	3771270	5.45E-06	4.61E-06	
314	374805	3771270	4.67E-06	314	374805	3771270	4.10E-06	314	374805	3771270	4.85E-06	4.29E-06	
315	374815	3771270	4.02E-06	315	374815	3771270	3.79E-06	315	374815	3771270	4.03E-06	3.80E-06	
316	374825	3771270	3.51E-06	316	374825	3771270	3.45E-06	316	374825	3771270	3.27E-06	3.21E-06	
317	374835	3771270	3.16E-06	317	374835	3771270	3.06E-06	317	374835	3771270	2.61E-06	2.52E-06	
318	374845	3771270	2.85E-06	318	374845	3771270	2.65E-06	318	374845	3771270	2.11E-06	1.92E-06	
319	374765	3771280	6.42E-06	319	374765	3771280	5.95E-06	319	374765	3771280	6.51E-06	6.03E-06	
320	374775	3771280	5.71E-06	320	374775	3771280	4.82E-06	320	374775	3771280	4.92E-06	4.04E-06	

Television City

Cancer Risk by Receptor

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age
Construction Exposure Parameters: 3-year exposure duration, 3rd trimester start age

Existing Operations	Max 1.23E-05	Construction	Max 6.27E-06	Project Operations	Max 7.41E-06	Incremental Increase	

No.	X	Y	Risk	No.	X	Y	Risk	No.	X	Y	Risk	Increase	Max
321	374785	3771280	5.38E-06	321	374785	3771280	4.21E-06	321	374785	3771280	4.26E-06	3.08E-06	
322	374795	3771280	5.03E-06	322	374795	3771280	3.79E-06	322	374795	3771280	3.85E-06	2.61E-06	
323	374805	3771280	4.49E-06	323	374805	3771280	3.47E-06	323	374805	3771280	3.46E-06	2.43E-06	
324	374815	3771280	3.94E-06	324	374815	3771280	3.17E-06	324	374815	3771280	3.04E-06	2.27E-06	
325	374825	3771280	3.52E-06	325	374825	3771280	2.89E-06	325	374825	3771280	2.62E-06	1.99E-06	
326	374835	3771280	3.20E-06	326	374835	3771280	2.60E-06	326	374835	3771280	2.24E-06	1.65E-06	
327	374845	3771280	2.94E-06	327	374845	3771280	2.31E-06	327	374845	3771280	1.93E-06	1.30E-06	
328	374765	3771290	6.73E-06	328	374765	3771290	5.70E-06	328	374765	3771290	6.05E-06	5.01E-06	
329	374775	3771290	5.79E-06	329	374775	3771290	4.51E-06	329	374775	3771290	4.27E-06	2.99E-06	
330	374785	3771290	5.35E-06	330	374785	3771290	3.87E-06	330	374785	3771290	3.56E-06	2.08E-06	
331	374795	3771290	4.99E-06	331	374795	3771290	3.44E-06	331	374795	3771290	3.15E-06	1.60E-06	
332	374805	3771290	4.43E-06	332	374805	3771290	3.11E-06	332	374805	3771290	2.83E-06	1.50E-06	
333	374815	3771290	3.92E-06	333	374815	3771290	2.83E-06	333	374815	3771290	2.53E-06	1.44E-06	
334	374825	3771290	3.56E-06	334	374825	3771290	2.57E-06	334	374825	3771290	2.26E-06	1.27E-06	
335	374835	3771290	3.27E-06	335	374835	3771290	2.33E-06	335	374835	3771290	2.01E-06	1.07E-06	
336	374845	3771290	3.02E-06	336	374845	3771290	2.10E-06	336	374845	3771290	1.78E-06	8.57E-07	
337	374765	3771300	6.84E-06	337	374765	3771300	5.38E-06	337	374765	3771300	5.75E-06	4.29E-06	
338	374775	3771300	5.80E-06	338	374775	3771300	4.30E-06	338	374775	3771300	3.92E-06	2.42E-06	
339	374785	3771300	5.27E-06	339	374785	3771300	3.66E-06	339	374785	3771300	3.18E-06	1.56E-06	
340	374795	3771300	4.91E-06	340	374795	3771300	3.22E-06	340	374795	3771300	2.77E-06	1.08E-06	
341	374805	3771300	4.36E-06	341	374805	3771300	2.89E-06	341	374805	3771300	2.48E-06	1.01E-06	
342	374815	3771300	3.91E-06	342	374815	3771300	2.61E-06	342	374815	3771300	2.23E-06	9.38E-07	
343	374825	3771300	3.57E-06	343	374825	3771300	2.37E-06	343	374825	3771300	2.02E-06	8.26E-07	
344	374835	3771300	3.30E-06	344	374835	3771300	2.15E-06	344	374835	3771300	1.83E-06	6.82E-07	
345	374845	3771300	3.08E-06	345	374845	3771300	1.95E-06	345	374845	3771300	1.66E-06	5.38E-07	
346	374765	3771310	6.74E-06	346	374765	3771310	5.17E-06	346	374765	3771310	5.57E-06	4.00E-06	
347	374775	3771310	5.76E-06	347	374775	3771310	4.17E-06	347	374775	3771310	3.72E-06	2.13E-06	
348	374785	3771310	5.17E-06	348	374785	3771310	3.53E-06	348	374785	3771310	2.96E-06	1.31E-06	
349	374795	3771310	4.74E-06	349	374795	3771310	3.08E-06	349	374795	3771310	2.54E-06	8.77E-07	
350	374805	3771310	4.24E-06	350	374805	3771310	2.74E-06	350	374805	3771310	2.26E-06	7.56E-07	
351	374815	3771310	3.85E-06	351	374815	3771310	2.47E-06	351	374815	3771310	2.04E-06	6.62E-07	
352	374825	3771310	3.55E-06	352	374825	3771310	2.23E-06	352	374825	3771310	1.86E-06	5.43E-07	
353	374835	3771310	3.31E-06	353	374835	3771310	2.03E-06	353	374835	3771310	1.70E-06	4.30E-07	
354	374845	3771310	3.09E-06	354	374845	3771310	1.85E-06	354	374845	3771310	1.57E-06	3.22E-07	
355	374765	3771320	6.71E-06	355	374765	3771320	5.22E-06	355	374765	3771320	5.43E-06	3.95E-06	
356	374775	3771320	5.68E-06	356	374775	3771320	4.12E-06	356	374775	3771320	3.58E-06	2.02E-06	
357	374785	3771320	5.04E-06	357	374785	3771320	3.45E-06	357	374785	3771320	2.81E-06	1.21E-06	
358	374795	3771320	4.54E-06	358	374795	3771320	2.98E-06	358	374795	3771320	2.38E-06	8.26E-07	
359	374805	3771320	4.09E-06	359	374805	3771320	2.64E-06	359	374805	3771320	2.11E-06	6.54E-07	
360	374815	3771320	3.76E-06	360	374815	3771320	2.36E-06	360	374815	3771320	1.91E-06	5.13E-07	
361	374825	3771320	3.49E-06	361	374825	3771320	2.14E-06	361	374825	3771320	1.74E-06	3.87E-07	
362	374835	3771320	3.28E-06	362	374835	3771320	1.94E-06	362	374835	3771320	1.61E-06	2.74E-07	
363	374845	3771320	3.08E-06	363	374845	3771320	1.77E-06	363	374845	3771320	1.49E-06	1.82E-07	
364	374765	3771330	6.57E-06	364	374765	3771330	5.38E-06	364	374765	3771330	5.34E-06	4.15E-06	
365	374775	3771330	5.53E-06	365	374775	3771330	4.11E-06	365	374775	3771330	3.46E-06	2.03E-06	
366	374785	3771330	4.87E-06	366	374785	3771330	3.40E-06	366	374785	3771330	2.68E-06	1.20E-06	
367	374795	3771330	4.35E-06	367	374795	3771330	2.92E-06	367	374795	3771330	2.26E-06	8.32E-07	
368	374805	3771330	3.93E-06	368	374805	3771330	2.57E-06	368	374805	3771330	2.00E-06	6.36E-07	
369	374815	3771330	3.64E-06	369	374815	3771330	2.29E-06	369	374815	3771330	1.80E-06	4.52E-07	
370	374825	3771330	3.42E-06	370	374825	3771330	2.07E-06	370	374825	3771330	1.65E-06	3.02E-07	
371	374835	3771330	3.22E-06	371	374835	3771330	1.88E-06	371	374835	3771330	1.52E-06	1.87E-07	
372	374845	3771330	3.03E-06	372	374845	3771330	1.71E-06	372	374845	3771330	1.42E-06	9.54E-08	
373	374765	3771340	6.58E-06	373	374765	3771340	5.42E-06	373	374765	3771340	5.26E-06	4.10E-06	
374	374775	3771340	5.45E-06	374	374775	3771340	4.09E-06	374	374775	3771340	3.37E-06	2.01E-06	
375	374785	3771340	4.66E-06	375	374785	3771340	3.35E-06	375	374785	3771340	2.57E-06	1.27E-06	
376	374795	3771340	4.13E-06	376	374795	3771340	2.87E-06	376	374795	3771340	2.16E-06	9.03E-07	
377	374805	3771340	3.77E-06	377	374805	3771340	2.51E-06	377	374805	3771340	1.90E-06	6.45E-07	
378	374815	3771340	3.53E-06	378	374815	3771340	2.24E-06	378	374815	3771340	1.72E-06	4.31E-07	
379	374825	3771340	3.32E-06	379	374825	3771340	2.01E-06	379	374825	3771340	1.57E-06	2.65E-07	
380	374835	3771340	3.14E-06	380	374835	3771340	1.83E-06	380	374835	3771340	1.45E-06	1.38E-07	
381	374845	3771340	2.98E-06	381	374845	3771340	1.67E-06	381	374845	3771340	1.36E-06	4.35E-08	
382	374765	3771350	6.56E-06	382	374765	3771350	5.33E-06	382	374765	3771350	5.18E-06	3.94E-06	
383	374775	3771350	5.20E-06	383	374775	3771350	4.03E-06	383	374775	3771350	3.28E-06	2.11E-06	
384	374785	3771350	4.38E-06	384	374785	3771350	3.31E-06	384	374785	3771350	2.49E-06	1.42E-06	

Television City

Cancer Risk by Receptor

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age
Construction Exposure Parameters: 3-year exposure duration, 3rd trimester start age

Existing Operations	Max 1.23E-05	Construction	Max 6.27E-06	Project Operations	Max 7.41E-06	Incremental Increase	

No.	X	Y	Risk	No.	X	Y	Risk	No.	X	Y	Risk	Increase	Max
385	374795	3771350	3.92E-06	385	374795	3771350	2.82E-06	385	374795	3771350	2.08E-06	9.75E-07	
386	374805	3771350	3.64E-06	386	374805	3771350	2.46E-06	386	374805	3771350	1.82E-06	6.48E-07	
387	374815	3771350	3.41E-06	387	374815	3771350	2.19E-06	387	374815	3771350	1.64E-06	4.20E-07	
388	374825	3771350	3.22E-06	388	374825	3771350	1.97E-06	388	374825	3771350	1.51E-06	2.55E-07	
389	374835	3771350	3.05E-06	389	374835	3771350	1.78E-06	389	374835	3771350	1.39E-06	1.21E-07	
390	374845	3771350	2.90E-06	390	374845	3771350	1.62E-06	390	374845	3771350	1.30E-06	2.05E-08	
391	374765	3771360	6.12E-06	391	374765	3771360	5.13E-06	391	374765	3771360	5.09E-06	4.11E-06	
392	374775	3771360	4.76E-06	392	374775	3771360	3.95E-06	392	374775	3771360	3.22E-06	2.41E-06	
393	374785	3771360	4.16E-06	393	374785	3771360	3.25E-06	393	374785	3771360	2.43E-06	1.52E-06	
394	374795	3771360	3.78E-06	394	374795	3771360	2.77E-06	394	374795	3771360	2.01E-06	1.00E-06	
395	374805	3771360	3.51E-06	395	374805	3771360	2.41E-06	395	374805	3771360	1.76E-06	6.63E-07	
396	374815	3771360	3.29E-06	396	374815	3771360	2.14E-06	396	374815	3771360	1.58E-06	4.29E-07	
397	374825	3771360	3.10E-06	397	374825	3771360	1.92E-06	397	374825	3771360	1.45E-06	2.64E-07	
398	374835	3771360	2.95E-06	398	374835	3771360	1.74E-06	398	374835	3771360	1.33E-06	1.25E-07	
399	374845	3771360	2.81E-06	399	374845	3771360	1.59E-06	399	374845	3771360	1.24E-06	2.39E-08	
400	374765	3771370	5.70E-06	400	374765	3771370	5.01E-06	400	374765	3771370	5.06E-06	4.37E-06	
401	374775	3771370	4.57E-06	401	374775	3771370	3.88E-06	401	374775	3771370	3.18E-06	2.48E-06	
402	374785	3771370	4.01E-06	402	374785	3771370	3.19E-06	402	374785	3771370	2.37E-06	1.55E-06	
403	374795	3771370	3.64E-06	403	374795	3771370	2.71E-06	403	374795	3771370	1.95E-06	1.02E-06	
404	374805	3771370	3.37E-06	404	374805	3771370	2.36E-06	404	374805	3771370	1.69E-06	6.82E-07	
405	374815	3771370	3.16E-06	405	374815	3771370	2.10E-06	405	374815	3771370	1.52E-06	4.51E-07	
406	374825	3771370	2.99E-06	406	374825	3771370	1.88E-06	406	374825	3771370	1.39E-06	2.77E-07	
407	374835	3771370	2.85E-06	407	374835	3771370	1.71E-06	407	374835	3771370	1.28E-06	1.40E-07	
408	374845	3771370	2.72E-06	408	374845	3771370	1.56E-06	408	374845	3771370	1.20E-06	3.41E-08	
409	374765	3771380	5.47E-06	409	374765	3771380	5.05E-06	409	374765	3771380	4.95E-06	4.53E-06	
410	374775	3771380	4.40E-06	410	374775	3771380	3.82E-06	410	374775	3771380	3.12E-06	2.54E-06	
411	374785	3771380	3.85E-06	411	374785	3771380	3.12E-06	411	374785	3771380	2.31E-06	1.58E-06	
412	374795	3771380	3.49E-06	412	374795	3771380	2.65E-06	412	374795	3771380	1.89E-06	1.05E-06	
413	374805	3771380	3.24E-06	413	374805	3771380	2.31E-06	413	374805	3771380	1.63E-06	7.06E-07	
414	374815	3771380	3.04E-06	414	374815	3771380	2.06E-06	414	374815	3771380	1.46E-06	4.71E-07	
415	374825	3771380	2.88E-06	415	374825	3771380	1.85E-06	415	374825	3771380	1.33E-06	2.97E-07	
416	374835	3771380	2.74E-06	416	374835	3771380	1.68E-06	416	374835	3771380	1.23E-06	1.65E-07	
417	374845	3771380	2.62E-06	417	374845	3771380	1.53E-06	417	374845	3771380	1.14E-06	5.46E-08	
418	374765	3771390	5.24E-06	418	374765	3771390	5.05E-06	418	374765	3771390	4.80E-06	4.61E-06	
419	374775	3771390	4.20E-06	419	374775	3771390	3.73E-06	419	374775	3771390	2.94E-06	2.48E-06	
420	374785	3771390	3.65E-06	420	374785	3771390	3.03E-06	420	374785	3771390	2.20E-06	1.58E-06	
421	374795	3771390	3.33E-06	421	374795	3771390	2.58E-06	421	374795	3771390	1.79E-06	1.05E-06	
422	374805	3771390	3.10E-06	422	374805	3771390	2.26E-06	422	374805	3771390	1.56E-06	7.23E-07	
423	374815	3771390	2.91E-06	423	374815	3771390	2.02E-06	423	374815	3771390	1.39E-06	4.99E-07	
424	374825	3771390	2.76E-06	424	374825	3771390	1.82E-06	424	374825	3771390	1.27E-06	3.30E-07	
425	374835	3771390	2.63E-06	425	374835	3771390	1.66E-06	425	374835	3771390	1.18E-06	1.98E-07	
426	374845	3771390	2.52E-06	426	374845	3771390	1.52E-06	426	374845	3771390	1.10E-06	8.58E-08	
427	374765	3771400	4.97E-06	427	374765	3771400	4.81E-06	427	374765	3771400	4.61E-06	4.44E-06	
428	374775	3771400	3.96E-06	428	374775	3771400	3.57E-06	428	374775	3771400	2.77E-06	2.38E-06	
429	374785	3771400	3.45E-06	429	374785	3771400	2.93E-06	429	374785	3771400	2.04E-06	1.52E-06	
430	374795	3771400	3.15E-06	430	374795	3771400	2.52E-06	430	374795	3771400	1.68E-06	1.05E-06	
431	374805	3771400	2.94E-06	431	374805	3771400	2.22E-06	431	374805	3771400	1.46E-06	7.51E-07	
432	374815	3771400	2.77E-06	432	374815	3771400	2.00E-06	432	374815	3771400	1.32E-06	5.43E-07	
433	374825	3771400	2.64E-06	433	374825	3771400	1.81E-06	433	374825	3771400	1.21E-06	3.76E-07	
434	374835	3771400	2.53E-06	434	374835	3771400	1.66E-06	434	374835	3771400	1.12E-06	2.47E-07	
435	374845	3771400	2.43E-06	435	374845	3771400	1.52E-06	435	374845	3771400	1.05E-06	1.36E-07	
436	374765	3771410	4.64E-06	436	374765	3771410	4.31E-06	436	374765	3771410	4.24E-06	3.91E-06	
437	374775	3771410	3.69E-06	437	374775	3771410	3.38E-06	437	374775	3771410	2.50E-06	2.19E-06	
438	374785	3771410	3.24E-06	438	374785	3771410	2.85E-06	438	374785	3771410	1.85E-06	1.46E-06	
439	374795	3771410	2.97E-06	439	374795	3771410	2.49E-06	439	374795	3771410	1.55E-06	1.07E-06	
440	374805	3771410	2.78E-06	440	374805	3771410	2.23E-06	440	374805	3771410	1.36E-06	8.11E-07	
441	374815	3771410	2.63E-06	441	374815	3771410	2.03E-06	441	374815	3771410	1.23E-06	6.27E-07	
442	374825	3771410	2.51E-06	442	374825	3771410	1.86E-06	442	374825	3771410	1.14E-06	4.82E-07	
443	374835	3771410	2.42E-06	443	374835	3771410	1.71E-06	443	374835	3771410	1.06E-06	3.56E-07	
444	374845	3771410	2.33E-06	444	374845	3771410	1.58E-06	444	374845	3771410	9.95E-07	2.45E-07	
445	374390	3771020	4.20E-06	445	374390	3771020	4.43E-07	445	374390	3771020	2.50E-07	-3.50E-06	
446	374410	3771020	4.22E-06	446	374410	3771020	4.52E-07	446	374410	3771020	2.66E-07	-3.50E-06	
447	374430	3771020	4.15E-06	447	374430	3771020	4.61E-07	447	374430	3771020	2.84E-07	-3.40E-06	
448	374450	3771020	4.02E-06	448	374450	3771020	4.73E-07	448	374450	3771020	3.05E-07	-3.24E-06	

Television City

Cancer Risk by Receptor

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Construction Exposure Parameters: 3-year exposure duration, 3rd trimester start age

Existing Operations	Max 1.23E-05	Construction	Max 6.27E-06	Project Operations	Max 7.41E-06	Incremental Increase	

No.	X	Y	Risk	No.	X	Y	Risk	No.	X	Y	Risk	Increase	Max
449	374470	3771020	3.80E-06	449	374470	3771020	4.85E-07	449	374470	3771020	3.28E-07	-2.99E-06	
450	374490	3771020	3.52E-06	450	374490	3771020	4.97E-07	450	374490	3771020	3.53E-07	-2.67E-06	
451	374510	3771020	3.23E-06	451	374510	3771020	5.08E-07	451	374510	3771020	3.79E-07	-2.35E-06	
452	374530	3771020	2.87E-06	452	374530	3771020	5.17E-07	452	374530	3771020	4.00E-07	-1.96E-06	
453	374550	3771020	2.46E-06	453	374550	3771020	5.25E-07	453	374550	3771020	4.21E-07	-1.51E-06	
454	374570	3771020	2.05E-06	454	374570	3771020	5.32E-07	454	374570	3771020	4.37E-07	-1.08E-06	
455	374590	3771020	1.71E-06	455	374590	3771020	5.36E-07	455	374590	3771020	4.46E-07	-7.33E-07	
456	374610	3771020	1.44E-06	456	374610	3771020	5.38E-07	456	374610	3771020	4.50E-07	-4.56E-07	
457	374630	3771020	1.24E-06	457	374630	3771020	5.39E-07	457	374630	3771020	4.50E-07	-2.54E-07	
458	374650	3771020	1.09E-06	458	374650	3771020	5.38E-07	458	374650	3771020	4.49E-07	-1.05E-07	
459	374670	3771020	9.83E-07	459	374670	3771020	5.35E-07	459	374670	3771020	4.46E-07	-2.74E-09	
460	374690	3771020	9.01E-07	460	374690	3771020	5.29E-07	460	374690	3771020	4.31E-07	5.94E-08	
461	374710	3771020	8.40E-07	461	374710	3771020	5.20E-07	461	374710	3771020	4.19E-07	9.93E-08	
462	374730	3771020	7.94E-07	462	374730	3771020	5.08E-07	462	374730	3771020	4.06E-07	1.20E-07	
463	374750	3771020	7.50E-07	463	374750	3771020	4.92E-07	463	374750	3771020	3.91E-07	1.33E-07	
464	374770	3771020	7.16E-07	464	374770	3771020	4.74E-07	464	374770	3771020	3.76E-07	1.34E-07	
465	374790	3771020	6.89E-07	465	374790	3771020	4.51E-07	465	374790	3771020	3.60E-07	1.22E-07	
466	374810	3771020	6.70E-07	466	374810	3771020	4.26E-07	466	374810	3771020	3.46E-07	1.03E-07	
467	374830	3771020	6.57E-07	467	374830	3771020	3.99E-07	467	374830	3771020	3.34E-07	7.52E-08	
468	374390	3771040	4.40E-06	468	374390	3771040	6.07E-07	468	374390	3771040	2.67E-07	-3.52E-06	
469	374410	3771040	4.46E-06	469	374410	3771040	5.45E-07	469	374410	3771040	2.84E-07	-3.64E-06	
470	374430	3771040	4.49E-06	470	374430	3771040	5.41E-07	470	374430	3771040	3.03E-07	-3.64E-06	
471	374450	3771040	4.40E-06	471	374450	3771040	5.52E-07	471	374450	3771040	3.28E-07	-3.52E-06	
472	374470	3771040	4.25E-06	472	374470	3771040	5.66E-07	472	374470	3771040	3.56E-07	-3.32E-06	
473	374490	3771040	3.95E-06	473	374490	3771040	5.81E-07	473	374490	3771040	3.85E-07	-2.99E-06	
474	374510	3771040	3.65E-06	474	374510	3771040	5.95E-07	474	374510	3771040	4.15E-07	-2.64E-06	
475	374530	3771040	3.28E-06	475	374530	3771040	6.07E-07	475	374530	3771040	4.39E-07	-2.23E-06	
476	374550	3771040	2.83E-06	476	374550	3771040	6.17E-07	476	374550	3771040	4.61E-07	-1.75E-06	
477	374570	3771040	2.36E-06	477	374570	3771040	6.26E-07	477	374570	3771040	4.80E-07	-1.25E-06	
478	374590	3771040	1.95E-06	478	374590	3771040	6.32E-07	478	374590	3771040	4.93E-07	-8.23E-07	
479	374610	3771040	1.62E-06	479	374610	3771040	6.36E-07	479	374610	3771040	5.02E-07	-4.80E-07	
480	374630	3771040	1.37E-06	480	374630	3771040	6.39E-07	480	374630	3771040	5.11E-07	-2.20E-07	
481	374650	3771040	1.18E-06	481	374650	3771040	6.39E-07	481	374650	3771040	4.94E-07	-4.99E-08	
482	374670	3771040	1.05E-06	482	374670	3771040	6.38E-07	482	374670	3771040	4.88E-07	7.55E-08	
483	374690	3771040	9.56E-07	483	374690	3771040	6.34E-07	483	374690	3771040	4.81E-07	1.60E-07	
484	374710	3771040	8.87E-07	484	374710	3771040	6.26E-07	484	374710	3771040	4.75E-07	2.13E-07	
485	374730	3771040	8.37E-07	485	374730	3771040	6.12E-07	485	374730	3771040	4.66E-07	2.40E-07	
486	374750	3771040	7.91E-07	486	374750	3771040	5.93E-07	486	374750	3771040	4.54E-07	2.56E-07	
487	374770	3771040	7.52E-07	487	374770	3771040	5.71E-07	487	374770	3771040	4.38E-07	2.57E-07	
488	374790	3771040	7.22E-07	488	374790	3771040	5.43E-07	488	374790	3771040	4.18E-07	2.38E-07	
489	374810	3771040	7.03E-07	489	374810	3771040	5.10E-07	489	374810	3771040	3.99E-07	2.05E-07	
490	374830	3771040	6.88E-07	490	374830	3771040	4.74E-07	490	374830	3771040	3.80E-07	1.66E-07	
491	374390	3771060	4.53E-06	491	374390	3771060	9.68E-07	491	374390	3771060	2.85E-07	-3.28E-06	
492	374410	3771060	4.71E-06	492	374410	3771060	6.64E-07	492	374410	3771060	3.07E-07	-3.74E-06	
493	374430	3771060	4.79E-06	493	374430	3771060	6.40E-07	493	374430	3771060	3.29E-07	-3.82E-06	
494	374450	3771060	4.83E-06	494	374450	3771060	6.51E-07	494	374450	3771060	3.57E-07	-3.82E-06	
495	374470	3771060	4.72E-06	495	374470	3771060	6.70E-07	495	374470	3771060	3.90E-07	-3.66E-06	
496	374490	3771060	4.51E-06	496	374490	3771060	6.89E-07	496	374490	3771060	4.24E-07	-3.40E-06	
497	374510	3771060	4.11E-06	497	374510	3771060	7.07E-07	497	374510	3771060	4.56E-07	-2.94E-06	
498	374530	3771060	3.75E-06	498	374530	3771060	7.22E-07	498	374530	3771060	4.84E-07	-2.54E-06	
499	374550	3771060	3.26E-06	499	374550	3771060	7.35E-07	499	374550	3771060	5.05E-07	-2.02E-06	
500	374570	3771060	2.74E-06	500	374570	3771060	7.47E-07	500	374570	3771060	5.23E-07	-1.47E-06	
501	374590	3771060	2.24E-06	501	374590	3771060	7.55E-07	501	374590	3771060	5.43E-07	-9.41E-07	
502	374610	3771060	1.84E-06	502	374610	3771060	7.63E-07	502	374610	3771060	5.64E-07	-5.12E-07	
503	374630	3771060	1.53E-06	503	374630	3771060	7.69E-07	503	374630	3771060	5.64E-07	-1.96E-07	
504	374650	3771060	1.30E-06	504	374650	3771060	7.73E-07	504	374650	3771060	5.63E-07	3.82E-08	
505	374670	3771060	1.13E-06	505	374670	3771060	7.76E-07	505	374670	3771060	5.65E-07	2.07E-07	
506	374690	3771060	1.02E-06	506	374690	3771060	7.76E-07	506	374690	3771060	5.54E-07	3.07E-07	
507	374710	3771060	9.46E-07	507	374710	3771060	7.69E-07	507	374710	3771060	5.43E-07	3.66E-07	
508	374730	3771060	8.93E-07	508	374730	3771060	7.55E-07	508	374730	3771060	5.30E-07	3.92E-07	
509	374750	3771060	8.41E-07	509	374750	3771060	7.32E-07	509	374750	3771060	5.14E-07	4.05E-07	
510	374770	3771060	7.97E-07	510	374770	3771060	7.05E-07	510	374770	3771060	4.93E-07	4.00E-07	
511	374790	3771060	7.67E-07	511	374790	3771060	6.69E-07	511	374790	3771060	4.72E-07	3.74E-07	
512	374810	3771060	7.44E-07	512	374810	3771060	6.25E-07	512	374810	3771060	4.50E-07	3.31E-07	

Television City

Cancer Risk by Receptor

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Construction Exposure Parameters: 3-year exposure duration, 3rd trimester start age

Existing Operations	Max 1.23E-05	Construction	Max 6.27E-06	Project Operations	Max 7.41E-06	Incremental Increase	

No.	X	Y	Risk	No.	X	Y	Risk	No.	X	Y	Risk	Increase	Max
513	374830	3771060	7.27E-07	513	374830	3771060	5.76E-07	513	374830	3771060	4.25E-07	2.74E-07	
514	374390	3771080	4.58E-06	514	374390	3771080	1.13E-06	514	374390	3771080	3.14E-07	-3.13E-06	
515	374410	3771080	4.88E-06	515	374410	3771080	7.92E-07	515	374410	3771080	3.36E-07	-3.75E-06	
516	374430	3771080	5.07E-06	516	374430	3771080	7.64E-07	516	374430	3771080	3.62E-07	-3.94E-06	
517	374450	3771080	5.19E-06	517	374450	3771080	7.80E-07	517	374450	3771080	3.94E-07	-4.02E-06	
518	374470	3771080	5.25E-06	518	374470	3771080	8.05E-07	518	374470	3771080	4.31E-07	-4.01E-06	
519	374490	3771080	5.13E-06	519	374490	3771080	8.31E-07	519	374490	3771080	4.66E-07	-3.83E-06	
520	374510	3771080	4.82E-06	520	374510	3771080	8.54E-07	520	374510	3771080	4.96E-07	-3.47E-06	
521	374530	3771080	4.31E-06	521	374530	3771080	8.74E-07	521	374530	3771080	5.10E-07	-2.92E-06	
522	374550	3771080	3.81E-06	522	374550	3771080	8.91E-07	522	374550	3771080	5.44E-07	-2.37E-06	
523	374570	3771080	3.21E-06	523	374570	3771080	9.05E-07	523	374570	3771080	5.63E-07	-1.74E-06	
524	374590	3771080	2.62E-06	524	374590	3771080	9.18E-07	524	374590	3771080	5.95E-07	-1.11E-06	
525	374610	3771080	2.13E-06	525	374610	3771080	9.30E-07	525	374610	3771080	6.21E-07	-5.79E-07	
526	374630	3771080	1.74E-06	526	374630	3771080	9.41E-07	526	374630	3771080	6.16E-07	-1.81E-07	
527	374650	3771080	1.45E-06	527	374650	3771080	9.53E-07	527	374650	3771080	6.38E-07	1.42E-07	
528	374670	3771080	1.25E-06	528	374670	3771080	9.65E-07	528	374670	3771080	6.49E-07	3.68E-07	
529	374690	3771080	1.11E-06	529	374690	3771080	9.73E-07	529	374690	3771080	6.43E-07	5.03E-07	
530	374710	3771080	1.03E-06	530	374710	3771080	9.73E-07	530	374710	3771080	6.25E-07	5.72E-07	
531	374730	3771080	9.66E-07	531	374730	3771080	9.59E-07	531	374730	3771080	6.17E-07	6.10E-07	
532	374750	3771080	9.06E-07	532	374750	3771080	9.35E-07	532	374750	3771080	6.01E-07	6.29E-07	
533	374770	3771080	8.59E-07	533	374770	3771080	9.01E-07	533	374770	3771080	5.81E-07	6.24E-07	
534	374790	3771080	8.21E-07	534	374790	3771080	8.54E-07	534	374790	3771080	5.57E-07	5.90E-07	
535	374810	3771080	7.95E-07	535	374810	3771080	7.94E-07	535	374810	3771080	5.26E-07	5.25E-07	
536	374830	3771080	7.73E-07	536	374830	3771080	7.23E-07	536	374830	3771080	4.90E-07	4.40E-07	
537	374390	3771100	4.54E-06	537	374390	3771100	1.27E-06	537	374390	3771100	3.52E-07	-2.92E-06	
538	374410	3771100	4.95E-06	538	374410	3771100	9.40E-07	538	374410	3771100	3.76E-07	-3.64E-06	
539	374430	3771100	5.27E-06	539	374430	3771100	9.25E-07	539	374430	3771100	4.03E-07	-3.95E-06	
540	374450	3771100	5.58E-06	540	374450	3771100	9.54E-07	540	374450	3771100	4.37E-07	-4.19E-06	
541	374470	3771100	6.03E-06	541	374470	3771100	9.91E-07	541	374470	3771100	4.65E-07	-4.57E-06	
542	374490	3771100	6.22E-06	542	374490	3771100	1.03E-06	542	374490	3771100	4.93E-07	-4.70E-06	
543	374510	3771100	5.87E-06	543	374510	3771100	1.06E-06	543	374510	3771100	5.17E-07	-4.29E-06	
544	374530	3771100	5.17E-06	544	374530	3771100	1.08E-06	544	374530	3771100	5.48E-07	-3.54E-06	
545	374550	3771100	4.48E-06	545	374550	3771100	1.10E-06	545	374550	3771100	5.83E-07	-2.80E-06	
546	374570	3771100	3.83E-06	546	374570	3771100	1.12E-06	546	374570	3771100	6.21E-07	-2.08E-06	
547	374590	3771100	3.14E-06	547	374590	3771100	1.14E-06	547	374590	3771100	6.72E-07	-1.33E-06	
548	374610	3771100	2.53E-06	548	374610	3771100	1.16E-06	548	374610	3771100	6.95E-07	-6.79E-07	
549	374630	3771100	2.03E-06	549	374630	3771100	1.18E-06	549	374630	3771100	7.01E-07	-1.52E-07	
550	374650	3771100	1.66E-06	550	374650	3771100	1.20E-06	550	374650	3771100	7.24E-07	2.70E-07	
551	374670	3771100	1.40E-06	551	374670	3771100	1.23E-06	551	374670	3771100	7.33E-07	5.65E-07	
552	374690	3771100	1.24E-06	552	374690	3771100	1.26E-06	552	374690	3771100	7.40E-07	7.62E-07	
553	374710	3771100	1.14E-06	553	374710	3771100	1.28E-06	553	374710	3771100	7.38E-07	8.78E-07	
554	374730	3771100	1.07E-06	554	374730	3771100	1.27E-06	554	374730	3771100	7.31E-07	9.36E-07	
555	374750	3771100	9.94E-07	555	374750	3771100	1.25E-06	555	374750	3771100	7.23E-07	9.79E-07	
556	374770	3771100	9.37E-07	556	374770	3771100	1.21E-06	556	374770	3771100	7.06E-07	9.79E-07	
557	374790	3771100	8.93E-07	557	374790	3771100	1.15E-06	557	374790	3771100	6.76E-07	9.30E-07	
558	374810	3771100	8.59E-07	558	374810	3771100	1.06E-06	558	374810	3771100	6.33E-07	8.33E-07	
559	374830	3771100	8.30E-07	559	374830	3771100	9.50E-07	559	374830	3771100	5.82E-07	7.02E-07	
560	374390	3771120	4.40E-06	560	374390	3771120	1.43E-06	560	374390	3771120	4.04E-07	-2.56E-06	
561	374410	3771120	4.92E-06	561	374410	3771120	1.14E-06	561	374410	3771120	4.33E-07	-3.35E-06	
562	374430	3771120	5.47E-06	562	374430	3771120	1.15E-06	562	374430	3771120	4.59E-07	-3.86E-06	
563	374450	3771120	6.60E-06	563	374450	3771120	1.21E-06	563	374450	3771120	4.96E-07	-4.90E-06	
564	374470	3771120	7.17E-06	564	374470	3771120	1.26E-06	564	374470	3771120	5.27E-07	-5.38E-06	
565	374490	3771120	7.22E-06	565	374490	3771120	1.31E-06	565	374490	3771120	5.56E-07	-5.36E-06	
566	374510	3771120	6.97E-06	566	374510	3771120	1.35E-06	566	374510	3771120	5.89E-07	-5.03E-06	
567	374530	3771120	6.27E-06	567	374530	3771120	1.38E-06	567	374530	3771120	6.42E-07	-4.25E-06	
568	374550	3771120	5.38E-06	568	374550	3771120	1.41E-06	568	374550	3771120	6.89E-07	-3.28E-06	
569	374570	3771120	4.66E-06	569	374570	3771120	1.44E-06	569	374570	3771120	7.36E-07	-2.48E-06	
570	374590	3771120	3.89E-06	570	374590	3771120	1.46E-06	570	374590	3771120	7.78E-07	-1.65E-06	
571	374610	3771120	3.10E-06	571	374610	3771120	1.49E-06	571	374610	3771120	7.99E-07	-8.09E-07	
572	374630	3771120	2.44E-06	572	374630	3771120	1.52E-06	572	374630	3771120	8.20E-07	-9.73E-08	
573	374650	3771120	1.95E-06	573	374650	3771120	1.57E-06	573	374650	3771120	8.43E-07	4.68E-07	
574	374670	3771120	1.62E-06	574	374670	3771120	1.65E-06	574	374670	3771120	8.50E-07	8.72E-07	
575	374690	3771120	1.44E-06	575	374690	3771120	1.73E-06	575	374690	3771120	8.63E-07	1.16E-06	
576	374710	3771120	1.30E-06	576	374710	3771120	1.80E-06	576	374710	3771120	8.77E-07	1.37E-06	

Television City

Cancer Risk by Receptor

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Construction Exposure Parameters: 3-year exposure duration, 3rd trimester start age

Existing Operations			Max 1.23E-05	Construction			Max 6.27E-06	Project Operations			Max 7.41E-06	Incremental Increase	
No.	X	Y	Risk	No.	X	Y	Risk	No.	X	Y	Risk	Increase	Max
577	374730	3771120	1.21E-06	577	374730	3771120	1.82E-06	577	374730	3771120	8.82E-07	1.49E-06	
578	374750	3771120	1.12E-06	578	374750	3771120	1.80E-06	578	374750	3771120	8.95E-07	1.57E-06	
579	374770	3771120	1.05E-06	579	374770	3771120	1.75E-06	579	374770	3771120	8.89E-07	1.60E-06	
580	374790	3771120	9.91E-07	580	374790	3771120	1.67E-06	580	374790	3771120	8.55E-07	1.53E-06	
581	374810	3771120	9.45E-07	581	374810	3771120	1.54E-06	581	374810	3771120	7.95E-07	1.39E-06	
582	374830	3771120	9.04E-07	582	374830	3771120	1.35E-06	582	374830	3771120	7.14E-07	1.16E-06	
583	374390	3771140	4.18E-06	583	374390	3771140	1.68E-06	583	374390	3771140	4.71E-07	-2.03E-06	
584	374410	3771140	4.95E-06	584	374410	3771140	1.44E-06	584	374410	3771140	5.16E-07	-2.99E-06	
585	374430	3771140	5.82E-06	585	374430	3771140	1.51E-06	585	374430	3771140	5.51E-07	-3.76E-06	
586	374450	3771140	6.03E-06	586	374450	3771140	1.60E-06	586	374450	3771140	5.94E-07	-3.83E-06	
587	374470	3771140	6.10E-06	587	374470	3771140	1.69E-06	587	374470	3771140	6.36E-07	-3.78E-06	
588	374490	3771140	6.56E-06	588	374490	3771140	1.75E-06	588	374490	3771140	6.72E-07	-4.14E-06	
589	374510	3771140	6.97E-06	589	374510	3771140	1.81E-06	589	374510	3771140	7.22E-07	-4.44E-06	
590	374530	3771140	7.07E-06	590	374530	3771140	1.85E-06	590	374530	3771140	7.90E-07	-4.43E-06	
591	374550	3771140	6.79E-06	591	374550	3771140	1.89E-06	591	374550	3771140	8.61E-07	-4.04E-06	
592	374570	3771140	5.84E-06	592	374570	3771140	1.93E-06	592	374570	3771140	9.35E-07	-2.97E-06	
593	374590	3771140	4.96E-06	593	374590	3771140	1.96E-06	593	374590	3771140	9.92E-07	-2.01E-06	
594	374610	3771140	3.92E-06	594	374610	3771140	2.00E-06	594	374610	3771140	1.02E-06	-8.99E-07	
595	374630	3771140	3.01E-06	595	374630	3771140	2.05E-06	595	374630	3771140	1.03E-06	7.07E-08	
596	374650	3771140	2.34E-06	596	374650	3771140	2.15E-06	596	374650	3771140	1.03E-06	8.35E-07	
597	374390	3771160	4.07E-06	597	374390	3771160	2.07E-06	597	374390	3771160	5.67E-07	-1.43E-06	
598	374410	3771160	5.16E-06	598	374410	3771160	2.00E-06	598	374410	3771160	6.63E-07	-2.50E-06	
599	374430	3771160	5.41E-06	599	374430	3771160	2.18E-06	599	374430	3771160	7.32E-07	-2.50E-06	
600	374450	3771160	5.72E-06	600	374450	3771160	2.34E-06	600	374450	3771160	8.07E-07	-2.57E-06	
601	374470	3771160	5.77E-06	601	374470	3771160	2.46E-06	601	374470	3771160	8.68E-07	-2.44E-06	
602	374490	3771160	5.42E-06	602	374490	3771160	2.56E-06	602	374490	3771160	9.14E-07	-1.95E-06	
603	374510	3771160	5.18E-06	603	374510	3771160	2.64E-06	603	374510	3771160	1.00E-06	-1.55E-06	
604	374530	3771160	5.48E-06	604	374530	3771160	2.70E-06	604	374530	3771160	1.09E-06	-1.68E-06	
605	374550	3771160	7.94E-06	605	374550	3771160	2.75E-06	605	374550	3771160	1.18E-06	-4.01E-06	
606	374570	3771160	7.70E-06	606	374570	3771160	2.80E-06	606	374570	3771160	1.29E-06	-3.61E-06	
607	374590	3771160	6.52E-06	607	374590	3771160	2.84E-06	607	374590	3771160	1.38E-06	-2.30E-06	
608	374610	3771160	5.08E-06	608	374610	3771160	2.90E-06	608	374610	3771160	1.46E-06	-7.30E-07	
609	374630	3771160	3.82E-06	609	374630	3771160	2.97E-06	609	374630	3771160	1.48E-06	6.35E-07	
610	374650	3771160	2.90E-06	610	374650	3771160	3.13E-06	610	374650	3771160	1.44E-06	1.68E-06	
611	374400	3770680	1.01E-06	611	374400	3770680	9.09E-08	611	374400	3770680	1.46E-07	-7.76E-07	
612	374420	3770680	9.29E-07	612	374420	3770680	9.14E-08	612	374420	3770680	1.45E-07	-6.93E-07	
613	374440	3770680	8.46E-07	613	374440	3770680	9.18E-08	613	374440	3770680	1.42E-07	-6.12E-07	
614	374460	3770680	7.72E-07	614	374460	3770680	9.21E-08	614	374460	3770680	1.39E-07	-5.41E-07	
615	374480	3770680	7.07E-07	615	374480	3770680	9.23E-08	615	374480	3770680	1.36E-07	-4.79E-07	
616	374500	3770680	6.49E-07	616	374500	3770680	9.23E-08	616	374500	3770680	1.32E-07	-4.25E-07	
617	374520	3770680	6.02E-07	617	374520	3770680	9.22E-08	617	374520	3770680	1.28E-07	-3.82E-07	
618	374540	3770680	5.64E-07	618	374540	3770680	9.19E-08	618	374540	3770680	1.25E-07	-3.47E-07	
619	374560	3770680	5.34E-07	619	374560	3770680	9.15E-08	619	374560	3770680	1.21E-07	-3.22E-07	
620	374580	3770680	5.10E-07	620	374580	3770680	9.11E-08	620	374580	3770680	1.17E-07	-3.02E-07	
621	374400	3770700	1.10E-06	621	374400	3770700	9.71E-08	621	374400	3770700	1.52E-07	-8.50E-07	
622	374420	3770700	1.01E-06	622	374420	3770700	9.77E-08	622	374420	3770700	1.51E-07	-7.64E-07	
623	374440	3770700	9.24E-07	623	374440	3770700	9.83E-08	623	374440	3770700	1.50E-07	-6.76E-07	
624	374460	3770700	8.38E-07	624	374460	3770700	9.86E-08	624	374460	3770700	1.47E-07	-5.93E-07	
625	374480	3770700	7.62E-07	625	374480	3770700	9.89E-08	625	374480	3770700	1.44E-07	-5.19E-07	
626	374500	3770700	6.97E-07	626	374500	3770700	9.90E-08	626	374500	3770700	1.40E-07	-4.57E-07	
627	374520	3770700	6.43E-07	627	374520	3770700	9.89E-08	627	374520	3770700	1.36E-07	-4.07E-07	
628	374540	3770700	6.00E-07	628	374540	3770700	9.87E-08	628	374540	3770700	1.33E-07	-3.68E-07	
629	374560	3770700	5.65E-07	629	374560	3770700	9.84E-08	629	374560	3770700	1.29E-07	-3.37E-07	
630	374580	3770700	5.38E-07	630	374580	3770700	9.79E-08	630	374580	3770700	1.25E-07	-3.15E-07	
631	374400	3770720	1.20E-06	631	374400	3770720	1.04E-07	631	374400	3770720	1.57E-07	-9.39E-07	
632	374420	3770720	1.10E-06	632	374420	3770720	1.05E-07	632	374420	3770720	1.58E-07	-8.40E-07	
633	374440	3770720	1.00E-06	633	374440	3770720	1.05E-07	633	374440	3770720	1.57E-07	-7.41E-07	
634	374460	3770720	9.12E-07	634	374460	3770720	1.06E-07	634	374460	3770720	1.55E-07	-6.51E-07	
635	374480	3770720	8.27E-07	635	374480	3770720	1.06E-07	635	374480	3770720	1.52E-07	-5.69E-07	
636	374500	3770720	7.51E-07	636	374500	3770720	1.06E-07	636	374500	3770720	1.49E-07	-4.95E-07	
637	374520	3770720	6.90E-07	637	374520	3770720	1.06E-07	637	374520	3770720	1.46E-07	-4.38E-07	
638	374540	3770720	6.39E-07	638	374540	3770720	1.06E-07	638	374540	3770720	1.42E-07	-3.91E-07	
639	374560	3770720	5.99E-07	639	374560	3770720	1.06E-07	639	374560	3770720	1.38E-07	-3.55E-07	
640	374580	3770720	5.67E-07	640	374580	3770720	1.05E-07	640	374580	3770720	1.34E-07	-3.27E-07	

Television City

Cancer Risk by Receptor

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Construction Exposure Parameters: 3-year exposure duration, 3rd trimester start age

Existing Operations			Max 1.23E-05	Construction			Max 6.27E-06	Project Operations			Max 7.41E-06	Incremental Increase	
No.	X	Y	Risk	No.	X	Y	Risk	No.	X	Y	Risk	Increase	Max
641	374400	3770740	1.31E-06	641	374400	3770740	1.11E-07	641	374400	3770740	1.63E-07	-1.04E-06	
642	374420	3770740	1.20E-06	642	374420	3770740	1.12E-07	642	374420	3770740	1.64E-07	-9.24E-07	
643	374440	3770740	1.10E-06	643	374440	3770740	1.13E-07	643	374440	3770740	1.64E-07	-8.18E-07	
644	374460	3770740	9.91E-07	644	374460	3770740	1.14E-07	644	374460	3770740	1.63E-07	-7.13E-07	
645	374480	3770740	8.96E-07	645	374480	3770740	1.14E-07	645	374480	3770740	1.62E-07	-6.20E-07	
646	374500	3770740	8.11E-07	646	374500	3770740	1.15E-07	646	374500	3770740	1.59E-07	-5.37E-07	
647	374520	3770740	7.43E-07	647	374520	3770740	1.15E-07	647	374520	3770740	1.56E-07	-4.72E-07	
648	374540	3770740	6.84E-07	648	374540	3770740	1.15E-07	648	374540	3770740	1.52E-07	-4.17E-07	
649	374560	3770740	6.37E-07	649	374560	3770740	1.14E-07	649	374560	3770740	1.49E-07	-3.74E-07	
650	374580	3770740	5.99E-07	650	374580	3770740	1.14E-07	650	374580	3770740	1.45E-07	-3.41E-07	
651	374860	3771020	6.34E-07	651	374860	3771020	3.56E-07	651	374860	3771020	3.16E-07	3.80E-08	
652	374880	3771020	6.01E-07	652	374880	3771020	3.28E-07	652	374880	3771020	3.02E-07	2.93E-08	
653	374900	3771020	5.83E-07	653	374900	3771020	3.00E-07	653	374900	3771020	2.89E-07	5.89E-09	
654	374920	3771020	5.71E-07	654	374920	3771020	2.74E-07	654	374920	3771020	2.77E-07	-2.00E-08	
655	374940	3771020	5.60E-07	655	374940	3771020	2.50E-07	655	374940	3771020	2.66E-07	-4.32E-08	
656	374960	3771020	5.52E-07	656	374960	3771020	2.29E-07	656	374960	3771020	2.57E-07	-6.59E-08	
657	374860	3771040	6.66E-07	657	374860	3771040	4.17E-07	657	374860	3771040	3.53E-07	1.04E-07	
658	374880	3771040	6.32E-07	658	374880	3771040	3.80E-07	658	374880	3771040	3.35E-07	8.29E-08	
659	374900	3771040	6.10E-07	659	374900	3771040	3.44E-07	659	374900	3771040	3.19E-07	5.26E-08	
660	374920	3771040	5.93E-07	660	374920	3771040	3.10E-07	660	374920	3771040	3.04E-07	2.11E-08	
661	374940	3771040	5.81E-07	661	374940	3771040	2.80E-07	661	374940	3771040	2.92E-07	-9.29E-09	
662	374960	3771040	5.73E-07	662	374960	3771040	2.54E-07	662	374960	3771040	2.81E-07	-3.86E-08	
663	374860	3771060	7.01E-07	663	374860	3771060	4.97E-07	663	374860	3771060	3.95E-07	1.91E-07	
664	374880	3771060	6.66E-07	664	374880	3771060	4.46E-07	664	374880	3771060	3.79E-07	1.59E-07	
665	374900	3771060	6.36E-07	665	374900	3771060	3.98E-07	665	374900	3771060	3.55E-07	1.16E-07	
666	374920	3771060	6.17E-07	666	374920	3771060	3.54E-07	666	374920	3771060	3.35E-07	7.23E-08	
667	374940	3771060	6.02E-07	667	374940	3771060	3.16E-07	667	374940	3771060	3.20E-07	3.36E-08	
668	374960	3771060	5.93E-07	668	374960	3771060	2.83E-07	668	374960	3771060	3.06E-07	-4.19E-09	
669	374860	3771080	7.41E-07	669	374860	3771080	6.07E-07	669	374860	3771080	4.46E-07	3.12E-07	
670	374880	3771080	7.00E-07	670	374880	3771080	5.33E-07	670	374880	3771080	4.21E-07	2.54E-07	
671	374900	3771080	6.66E-07	671	374900	3771080	4.66E-07	671	374900	3771080	3.98E-07	1.97E-07	
672	374920	3771080	6.44E-07	672	374920	3771080	4.07E-07	672	374920	3771080	3.73E-07	1.36E-07	
673	374940	3771080	6.30E-07	673	374940	3771080	3.58E-07	673	374940	3771080	3.52E-07	8.05E-08	
674	374960	3771080	6.21E-07	674	374960	3771080	3.17E-07	674	374960	3771080	3.35E-07	3.09E-08	
675	374860	3771100	7.89E-07	675	374860	3771100	7.65E-07	675	374860	3771100	5.12E-07	4.88E-07	
676	374880	3771100	7.38E-07	676	374880	3771100	6.51E-07	676	374880	3771100	4.74E-07	3.87E-07	
677	374900	3771100	7.02E-07	677	374900	3771100	5.52E-07	677	374900	3771100	4.41E-07	2.92E-07	
678	374920	3771100	6.78E-07	678	374920	3771100	4.73E-07	678	374920	3771100	4.16E-07	2.10E-07	
679	374940	3771100	6.66E-07	679	374940	3771100	4.09E-07	679	374940	3771100	3.89E-07	1.32E-07	
680	374960	3771100	6.60E-07	680	374960	3771100	3.57E-07	680	374960	3771100	3.68E-07	6.48E-08	
681	374860	3771120	8.49E-07	681	374860	3771120	1.01E-06	681	374860	3771120	5.95E-07	7.53E-07	
682	374880	3771120	7.90E-07	682	374880	3771120	8.12E-07	682	374880	3771120	5.39E-07	5.62E-07	
683	374900	3771120	7.48E-07	683	374900	3771120	6.63E-07	683	374900	3771120	4.96E-07	4.11E-07	
684	374920	3771120	7.27E-07	684	374920	3771120	5.52E-07	684	374920	3771120	4.63E-07	2.88E-07	
685	374940	3771120	7.18E-07	685	374940	3771120	4.68E-07	685	374940	3771120	4.35E-07	1.85E-07	
686	374960	3771120	7.24E-07	686	374960	3771120	4.02E-07	686	374960	3771120	4.11E-07	8.95E-08	
687	374860	3771140	9.33E-07	687	374860	3771140	1.40E-06	687	374860	3771140	7.04E-07	1.17E-06	
688	374880	3771140	8.63E-07	688	374880	3771140	1.03E-06	688	374880	3771140	6.18E-07	7.88E-07	
689	374900	3771140	8.21E-07	689	374900	3771140	8.00E-07	689	374900	3771140	5.61E-07	5.40E-07	
690	374920	3771140	7.94E-07	690	374920	3771140	6.45E-07	690	374920	3771140	5.17E-07	3.67E-07	
691	374940	3771140	7.89E-07	691	374940	3771140	5.35E-07	691	374940	3771140	4.82E-07	2.27E-07	
692	374960	3771140	8.05E-07	692	374960	3771140	4.53E-07	692	374960	3771140	4.53E-07	1.01E-07	
693	374860	3771160	1.10E-06	693	374860	3771160	2.03E-06	693	374860	3771160	8.39E-07	1.77E-06	
694	374880	3771160	9.82E-07	694	374880	3771160	1.31E-06	694	374880	3771160	7.20E-07	1.04E-06	
695	374900	3771160	9.22E-07	695	374900	3771160	9.54E-07	695	374900	3771160	6.37E-07	6.69E-07	
696	374920	3771160	8.89E-07	696	374920	3771160	7.45E-07	696	374920	3771160	5.80E-07	4.36E-07	
697	374940	3771160	8.82E-07	697	374940	3771160	6.06E-07	697	374940	3771160	5.35E-07	2.60E-07	
698	374960	3771160	9.02E-07	698	374960	3771160	5.06E-07	698	374960	3771160	4.99E-07	1.03E-07	
699	374860	3771180	1.35E-06	699	374860	3771180	2.71E-06	699	374860	3771180	9.97E-07	2.35E-06	
700	374880	3771180	1.13E-06	700	374880	3771180	1.56E-06	700	374880	3771180	8.33E-07	1.26E-06	
701	374900	3771180	1.06E-06	701	374900	3771180	1.10E-06	701	374900	3771180	7.31E-07	7.72E-07	
702	374920	3771180	1.02E-06	702	374920	3771180	8.43E-07	702	374920	3771180	6.59E-07	4.86E-07	
703	374940	3771180	9.98E-07	703	374940	3771180	6.77E-07	703	374940	3771180	5.99E-07	2.78E-07	
704	374960	3771180	1.02E-06	704	374960	3771180	5.58E-07	704	374960	3771180	5.54E-07	9.69E-08	

Television City

Cancer Risk by Receptor

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Construction Exposure Parameters: 3-year exposure duration, 3rd trimester start age

Existing Operations			Max 1.23E-05	Construction			Max 6.27E-06	Project Operations			Max 7.41E-06	Incremental Increase	
No.	X	Y	Risk	No.	X	Y	Risk	No.	X	Y	Risk	Increase	Max
705	374860	3771200	1.64E-06	705	374860	3771200	2.98E-06	705	374860	3771200	1.20E-06	2.55E-06	
706	374880	3771200	1.32E-06	706	374880	3771200	1.74E-06	706	374880	3771200	9.71E-07	1.39E-06	
707	374900	3771200	1.23E-06	707	374900	3771200	1.22E-06	707	374900	3771200	8.33E-07	8.21E-07	
708	374920	3771200	1.17E-06	708	374920	3771200	9.26E-07	708	374920	3771200	7.41E-07	5.00E-07	
709	374940	3771200	1.14E-06	709	374940	3771200	7.39E-07	709	374940	3771200	6.69E-07	2.72E-07	
710	374960	3771200	1.15E-06	710	374960	3771200	6.06E-07	710	374960	3771200	6.11E-07	7.23E-08	
711	374860	3771220	1.84E-06	711	374860	3771220	3.15E-06	711	374860	3771220	1.46E-06	2.77E-06	
712	374880	3771220	1.59E-06	712	374880	3771220	1.84E-06	712	374880	3771220	1.13E-06	1.38E-06	
713	374900	3771220	1.44E-06	713	374900	3771220	1.29E-06	713	374900	3771220	9.41E-07	7.95E-07	
714	374920	3771220	1.33E-06	714	374920	3771220	9.85E-07	714	374920	3771220	8.16E-07	4.68E-07	
715	374940	3771220	1.29E-06	715	374940	3771220	7.88E-07	715	374940	3771220	7.30E-07	2.30E-07	
716	374960	3771220	1.28E-06	716	374960	3771220	6.44E-07	716	374960	3771220	6.61E-07	2.45E-08	
717	374860	3771240	2.14E-06	717	374860	3771240	2.97E-06	717	374860	3771240	1.68E-06	2.51E-06	
718	374880	3771240	1.86E-06	718	374880	3771240	1.81E-06	718	374880	3771240	1.25E-06	1.20E-06	
719	374900	3771240	1.66E-06	719	374900	3771240	1.31E-06	719	374900	3771240	1.03E-06	6.75E-07	
720	374920	3771240	1.53E-06	720	374920	3771240	1.02E-06	720	374920	3771240	8.89E-07	3.77E-07	
721	374940	3771240	1.45E-06	721	374940	3771240	8.19E-07	721	374940	3771240	7.88E-07	1.56E-07	
722	374960	3771240	1.40E-06	722	374960	3771240	6.74E-07	722	374960	3771240	7.16E-07	-8.88E-09	
723	374860	3771260	2.41E-06	723	374860	3771260	2.35E-06	723	374860	3771260	1.70E-06	1.64E-06	
724	374880	3771260	2.11E-06	724	374880	3771260	1.67E-06	724	374880	3771260	1.30E-06	8.58E-07	
725	374900	3771260	1.89E-06	725	374900	3771260	1.27E-06	725	374900	3771260	1.08E-06	4.70E-07	
726	374920	3771260	1.73E-06	726	374920	3771260	1.02E-06	726	374920	3771260	9.36E-07	2.28E-07	
727	374940	3771260	1.61E-06	727	374940	3771260	8.31E-07	727	374940	3771260	8.30E-07	4.86E-08	
728	374960	3771260	1.51E-06	728	374960	3771260	6.95E-07	728	374960	3771260	7.54E-07	-6.37E-08	
729	374860	3771280	2.63E-06	729	374860	3771280	1.92E-06	729	374860	3771280	1.58E-06	8.77E-07	
730	374880	3771280	2.30E-06	730	374880	3771280	1.51E-06	730	374880	3771280	1.29E-06	5.01E-07	
731	374900	3771280	2.07E-06	731	374900	3771280	1.22E-06	731	374900	3771280	1.10E-06	2.43E-07	
732	374920	3771280	1.89E-06	732	374920	3771280	9.96E-07	732	374920	3771280	9.58E-07	6.44E-08	
733	374940	3771280	1.74E-06	733	374940	3771280	8.30E-07	733	374940	3771280	8.54E-07	-5.63E-08	
734	374960	3771280	1.61E-06	734	374960	3771280	7.05E-07	734	374960	3771280	7.76E-07	-1.33E-07	
735	374390	3771175	4.37E-06	735	374390	3771175	2.59E-06	735	374390	3771175	7.09E-07	-1.07E-06	
736	374410	3771175	5.12E-06	736	374410	3771175	2.86E-06	736	374410	3771175	9.84E-07	-1.27E-06	
737	374430	3771175	5.47E-06	737	374430	3771175	3.22E-06	737	374430	3771175	1.12E-06	-1.13E-06	
738	374450	3771175	6.02E-06	738	374450	3771175	3.45E-06	738	374450	3771175	1.26E-06	-1.30E-06	
739	374470	3771175	6.23E-06	739	374470	3771175	3.62E-06	739	374470	3771175	1.36E-06	-1.24E-06	
740	374490	3771175	6.09E-06	740	374490	3771175	3.75E-06	740	374490	3771175	1.39E-06	-9.50E-07	
741	374510	3771175	5.80E-06	741	374510	3771175	3.86E-06	741	374510	3771175	1.46E-06	-4.79E-07	
742	374530	3771175	5.63E-06	742	374530	3771175	3.95E-06	742	374530	3771175	1.55E-06	-1.27E-07	
743	374550	3771175	7.40E-06	743	374550	3771175	4.02E-06	743	374550	3771175	1.66E-06	-1.72E-06	
744	374570	3771175	9.82E-06	744	374570	3771175	4.09E-06	744	374570	3771175	1.76E-06	-3.97E-06	
745	374590	3771175	8.39E-06	745	374590	3771175	4.16E-06	745	374590	3771175	1.87E-06	-2.36E-06	
746	374610	3771175	6.51E-06	746	374610	3771175	4.23E-06	746	374610	3771175	2.02E-06	-2.55E-07	
747	374630	3771175	4.76E-06	747	374630	3771175	4.33E-06	747	374630	3771175	2.11E-06	1.68E-06	
748	374650	3771175	3.61E-06	748	374650	3771175	4.52E-06	748	374650	3771175	2.12E-06	3.03E-06	
749	374670	3771130	1.76E-06	749	374670	3771130	1.94E-06	749	374670	3771130	9.28E-07	1.11E-06	
750	374690	3771130	1.57E-06	750	374690	3771130	2.09E-06	750	374690	3771130	9.31E-07	1.46E-06	
751	374710	3771130	1.41E-06	751	374710	3771130	2.21E-06	751	374710	3771130	9.52E-07	1.75E-06	
752	374730	3771130	1.30E-06	752	374730	3771130	2.26E-06	752	374730	3771130	9.79E-07	1.94E-06	
753	374750	3771130	1.22E-06	753	374750	3771130	2.25E-06	753	374750	3771130	1.02E-06	2.05E-06	
754	374770	3771130	1.14E-06	754	374770	3771130	2.20E-06	754	374770	3771130	1.03E-06	2.09E-06	
755	374790	3771130	1.05E-06	755	374790	3771130	2.11E-06	755	374790	3771130	9.95E-07	2.05E-06	
756	374810	3771130	9.97E-07	756	374810	3771130	1.94E-06	756	374810	3771130	9.23E-07	1.87E-06	
757	374830	3771130	9.49E-07	757	374830	3771130	1.68E-06	757	374830	3771130	8.12E-07	1.54E-06	
758	374765	3771270	6.43E-06	758	374765	3771270	5.10E-06	758	374765	3771270	4.62E-06	3.30E-06	
759	374775	3771270	5.69E-06	759	374775	3771270	4.53E-06	759	374775	3771270	4.25E-06	3.08E-06	
760	374785	3771270	5.26E-06	760	374785	3771270	4.13E-06	760	374785	3771270	3.99E-06	2.86E-06	
761	374795	3771270	4.86E-06	761	374795	3771270	3.83E-06	761	374795	3771270	3.80E-06	2.77E-06	
762	374805	3771270	4.36E-06	762	374805	3771270	3.58E-06	762	374805	3771270	3.53E-06	2.75E-06	
763	374815	3771270	3.89E-06	763	374815	3771270	3.34E-06	763	374815	3771270	3.18E-06	2.63E-06	
764	374825	3771270	3.50E-06	764	374825	3771270	3.09E-06	764	374825	3771270	2.80E-06	2.39E-06	
765	374835	3771270	3.19E-06	765	374835	3771270	2.81E-06	765	374835	3771270	2.44E-06	2.06E-06	
766	374845	3771270	2.93E-06	766	374845	3771270	2.53E-06	766	374845	3771270	2.11E-06	1.72E-06	
767	374765	3771280	6.78E-06	767	374765	3771280	4.89E-06	767	374765	3771280	4.23E-06	2.34E-06	
768	374775	3771280	5.80E-06	768	374775	3771280	4.19E-06	768	374775	3771280	3.59E-06	1.98E-06	

Television City

Cancer Risk by Receptor

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Construction Exposure Parameters: 3-year exposure duration, 3rd trimester start age

Existing Operations	Max 1.23E-05	Construction	Max 6.27E-06	Project Operations	Max 7.41E-06	Incremental Increase	

No.	X	Y	Risk	No.	X	Y	Risk	No.	X	Y	Risk	Increase	Max
769	374785	3771280	5.29E-06	769	374785	3771280	3.73E-06	769	374785	3771280	3.27E-06	1.70E-06	
770	374795	3771280	4.88E-06	770	374795	3771280	3.41E-06	770	374795	3771280	3.05E-06	1.58E-06	
771	374805	3771280	4.38E-06	771	374805	3771280	3.14E-06	771	374805	3771280	2.85E-06	1.61E-06	
772	374815	3771280	3.91E-06	772	374815	3771280	2.91E-06	772	374815	3771280	2.63E-06	1.63E-06	
773	374825	3771280	3.57E-06	773	374825	3771280	2.69E-06	773	374825	3771280	2.40E-06	1.52E-06	
774	374835	3771280	3.27E-06	774	374835	3771280	2.47E-06	774	374835	3771280	2.16E-06	1.35E-06	
775	374845	3771280	3.03E-06	775	374845	3771280	2.25E-06	775	374845	3771280	1.94E-06	1.16E-06	
776	374765	3771290	6.47E-06	776	374765	3771290	4.75E-06	776	374765	3771290	3.95E-06	2.23E-06	
777	374775	3771290	5.66E-06	777	374775	3771290	3.98E-06	777	374775	3771290	3.25E-06	1.57E-06	
778	374765	3771300	6.07E-06	778	374765	3771300	4.60E-06	778	374765	3771300	3.81E-06	2.33E-06	
779	374775	3771300	5.40E-06	779	374775	3771300	3.86E-06	779	374775	3771300	3.06E-06	1.52E-06	
780	374765	3771310	5.72E-06	780	374765	3771310	4.48E-06	780	374765	3771310	3.74E-06	2.49E-06	
781	374775	3771310	5.19E-06	781	374775	3771310	3.77E-06	781	374775	3771310	2.96E-06	1.54E-06	
782	374765	3771320	5.58E-06	782	374765	3771320	4.47E-06	782	374765	3771320	3.60E-06	2.49E-06	
783	374775	3771320	5.02E-06	783	374775	3771320	3.72E-06	783	374775	3771320	2.83E-06	1.53E-06	
784	374765	3771330	5.39E-06	784	374765	3771330	4.52E-06	784	374765	3771330	3.49E-06	2.62E-06	
785	374775	3771330	4.91E-06	785	374775	3771330	3.70E-06	785	374775	3771330	2.71E-06	1.51E-06	
786	374765	3771340	5.38E-06	786	374765	3771340	4.54E-06	786	374765	3771340	3.39E-06	2.55E-06	
787	374775	3771340	4.84E-06	787	374775	3771340	3.69E-06	787	374775	3771340	2.63E-06	1.47E-06	
788	374765	3771350	5.47E-06	788	374765	3771350	4.51E-06	788	374765	3771350	3.32E-06	2.36E-06	
789	374775	3771350	4.67E-06	789	374775	3771350	3.66E-06	789	374775	3771350	2.55E-06	1.54E-06	
790	374765	3771360	5.01E-06	790	374765	3771360	4.41E-06	790	374765	3771360	3.28E-06	2.67E-06	
791	374775	3771360	4.37E-06	791	374775	3771360	3.61E-06	791	374775	3771360	2.52E-06	1.76E-06	
792	374765	3771370	4.79E-06	792	374765	3771370	4.32E-06	792	374765	3771370	3.41E-06	2.94E-06	
793	374775	3771370	4.22E-06	793	374775	3771370	3.55E-06	793	374775	3771370	2.55E-06	1.88E-06	
794	374765	3771380	4.59E-06	794	374765	3771380	4.29E-06	794	374765	3771380	3.21E-06	2.92E-06	
795	374775	3771380	4.05E-06	795	374775	3771380	3.50E-06	795	374775	3771380	2.51E-06	1.96E-06	
796	374765	3771390	4.37E-06	796	374765	3771390	4.26E-06	796	374765	3771390	3.05E-06	2.94E-06	
797	374775	3771390	3.87E-06	797	374775	3771390	3.44E-06	797	374775	3771390	2.32E-06	1.89E-06	
798	374765	3771400	4.14E-06	798	374765	3771400	4.11E-06	798	374765	3771400	2.97E-06	2.93E-06	
799	374775	3771400	3.66E-06	799	374775	3771400	3.33E-06	799	374775	3771400	2.22E-06	1.89E-06	
800	374765	3771410	3.89E-06	800	374765	3771410	3.80E-06	800	374765	3771410	2.83E-06	2.74E-06	
801	374775	3771410	3.44E-06	801	374775	3771410	3.17E-06	801	374775	3771410	2.09E-06	1.81E-06	
802	374400	3770680	1.07E-06	802	374400	3770680	8.98E-08	802	374400	3770680	1.50E-07	-8.28E-07	
803	374420	3770680	9.80E-07	803	374420	3770680	9.02E-08	803	374420	3770680	1.48E-07	-7.42E-07	
804	374440	3770680	8.96E-07	804	374440	3770680	9.05E-08	804	374440	3770680	1.46E-07	-6.59E-07	
805	374460	3770680	8.19E-07	805	374460	3770680	9.08E-08	805	374460	3770680	1.43E-07	-5.86E-07	
806	374480	3770680	7.51E-07	806	374480	3770680	9.09E-08	806	374480	3770680	1.39E-07	-5.21E-07	
807	374500	3770680	6.89E-07	807	374500	3770680	9.08E-08	807	374500	3770680	1.35E-07	-4.63E-07	
808	374520	3770680	6.38E-07	808	374520	3770680	9.07E-08	808	374520	3770680	1.31E-07	-4.16E-07	
809	374540	3770680	5.96E-07	809	374540	3770680	9.04E-08	809	374540	3770680	1.28E-07	-3.78E-07	
810	374560	3770680	5.61E-07	810	374560	3770680	8.98E-08	810	374560	3770680	1.23E-07	-3.47E-07	
811	374580	3770680	5.30E-07	811	374580	3770680	8.91E-08	811	374580	3770680	1.20E-07	-3.21E-07	
812	374400	3770700	1.16E-06	812	374400	3770700	9.59E-08	812	374400	3770700	1.56E-07	-9.08E-07	
813	374420	3770700	1.07E-06	813	374420	3770700	9.63E-08	813	374420	3770700	1.55E-07	-8.14E-07	
814	374440	3770700	9.74E-07	814	374440	3770700	9.67E-08	814	374440	3770700	1.54E-07	-7.24E-07	
815	374460	3770700	8.86E-07	815	374460	3770700	9.70E-08	815	374460	3770700	1.51E-07	-6.39E-07	
816	374480	3770700	8.06E-07	816	374480	3770700	9.72E-08	816	374480	3770700	1.47E-07	-5.62E-07	
817	374500	3770700	7.37E-07	817	374500	3770700	9.72E-08	817	374500	3770700	1.44E-07	-4.96E-07	
818	374520	3770700	6.80E-07	818	374520	3770700	9.71E-08	818	374520	3770700	1.40E-07	-4.43E-07	
819	374540	3770700	6.32E-07	819	374540	3770700	9.68E-08	819	374540	3770700	1.36E-07	-3.99E-07	
820	374560	3770700	5.92E-07	820	374560	3770700	9.64E-08	820	374560	3770700	1.32E-07	-3.64E-07	
821	374580	3770700	5.59E-07	821	374580	3770700	9.57E-08	821	374580	3770700	1.28E-07	-3.35E-07	
822	374400	3770720	1.27E-06	822	374400	3770720	1.03E-07	822	374400	3770720	1.62E-07	-1.00E-06	
823	374420	3770720	1.16E-06	823	374420	3770720	1.03E-07	823	374420	3770720	1.62E-07	-8.96E-07	
824	374440	3770720	1.06E-06	824	374440	3770720	1.04E-07	824	374440	3770720	1.61E-07	-7.93E-07	
825	374460	3770720	9.63E-07	825	374460	3770720	1.04E-07	825	374460	3770720	1.59E-07	-7.00E-07	
826	374480	3770720	8.74E-07	826	374480	3770720	1.04E-07	826	374480	3770720	1.56E-07	-6.13E-07	
827	374500	3770720	7.92E-07	827	374500	3770720	1.04E-07	827	374500	3770720	1.53E-07	-5.35E-07	
828	374520	3770720	7.27E-07	828	374520	3770720	1.04E-07	828	374520	3770720	1.49E-07	-4.74E-07	
829	374540	3770720	6.71E-07	829	374540	3770720	1.04E-07	829	374540	3770720	1.45E-07	-4.22E-07	
830	374560	3770720	6.26E-07	830	374560	3770720	1.04E-07	830	374560	3770720	1.41E-07	-3.81E-07	
831	374580	3770720	5.88E-07	831	374580	3770720	1.03E-07	831	374580	3770720	1.37E-07	-3.48E-07	
832	374400	3770740	1.38E-06	832	374400	3770740	1.10E-07	832	374400	3770740	1.67E-07	-1.11E-06	

Television City

Cancer Risk by Receptor

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Construction Exposure Parameters: 3-year exposure duration, 3rd trimester start age

Existing Operations			Max 1.23E-05	Construction			Max 6.27E-06	Project Operations			Max 7.41E-06	Incremental Increase	
No.	X	Y	Risk	No.	X	Y	Risk	No.	X	Y	Risk	Increase	Max
833	374420	3770740	1.27E-06	833	374420	3770740	1.11E-07	833	374420	3770740	1.68E-07	-9.90E-07	
834	374440	3770740	1.16E-06	834	374440	3770740	1.11E-07	834	374440	3770740	1.68E-07	-8.76E-07	
835	374460	3770740	1.05E-06	835	374460	3770740	1.12E-07	835	374460	3770740	1.67E-07	-7.67E-07	
836	374480	3770740	9.45E-07	836	374480	3770740	1.12E-07	836	374480	3770740	1.65E-07	-6.68E-07	
837	374500	3770740	8.52E-07	837	374500	3770740	1.12E-07	837	374500	3770740	1.62E-07	-5.78E-07	
838	374520	3770740	7.78E-07	838	374520	3770740	1.12E-07	838	374520	3770740	1.59E-07	-5.07E-07	
839	374540	3770740	7.15E-07	839	374540	3770740	1.12E-07	839	374540	3770740	1.55E-07	-4.48E-07	
840	374560	3770740	6.63E-07	840	374560	3770740	1.12E-07	840	374560	3770740	1.51E-07	-4.00E-07	
841	374580	3770740	6.20E-07	841	374580	3770740	1.11E-07	841	374580	3770740	1.47E-07	-3.62E-07	
842	374765	3771270	1.23E-05	842	374765	3771270	3.45E-06	842	374765	3771270	2.23E-06	-6.64E-06	
843	374775	3771270	8.04E-06	843	374775	3771270	3.21E-06	843	374775	3771270	2.14E-06	-2.70E-06	
844	374785	3771270	6.28E-06	844	374785	3771270	3.00E-06	844	374785	3771270	2.04E-06	-1.24E-06	
845	374795	3771270	5.28E-06	845	374795	3771270	2.82E-06	845	374795	3771270	1.97E-06	-4.87E-07	
846	374805	3771270	4.59E-06	846	374805	3771270	2.65E-06	846	374805	3771270	1.91E-06	-3.62E-08	
847	374815	3771270	4.10E-06	847	374815	3771270	2.49E-06	847	374815	3771270	1.84E-06	2.35E-07	
848	374825	3771270	3.74E-06	848	374825	3771270	2.33E-06	848	374825	3771270	1.76E-06	3.55E-07	
849	374835	3771270	3.44E-06	849	374835	3771270	2.16E-06	849	374835	3771270	1.67E-06	3.93E-07	
850	374845	3771270	3.18E-06	850	374845	3771270	2.00E-06	850	374845	3771270	1.58E-06	3.98E-07	
851	374765	3771280	1.23E-05	851	374765	3771280	3.35E-06	851	374765	3771280	2.17E-06	-6.77E-06	
852	374775	3771280	8.43E-06	852	374775	3771280	3.09E-06	852	374775	3771280	2.09E-06	-3.25E-06	
853	374785	3771280	6.64E-06	853	374785	3771280	2.85E-06	853	374785	3771280	2.00E-06	-1.79E-06	
854	374795	3771280	5.54E-06	854	374795	3771280	2.66E-06	854	374795	3771280	1.93E-06	-9.54E-07	
855	374805	3771280	4.79E-06	855	374805	3771280	2.49E-06	855	374805	3771280	1.86E-06	-4.42E-07	
856	374815	3771280	4.27E-06	856	374815	3771280	2.33E-06	856	374815	3771280	1.79E-06	-1.52E-07	
857	374825	3771280	3.90E-06	857	374825	3771280	2.18E-06	857	374825	3771280	1.71E-06	-8.50E-09	
858	374835	3771280	3.58E-06	858	374835	3771280	2.03E-06	858	374835	3771280	1.62E-06	7.25E-08	
859	374845	3771280	3.30E-06	859	374845	3771280	1.88E-06	859	374845	3771280	1.53E-06	1.08E-07	
860	374765	3771290	9.29E-06	860	374765	3771290	3.29E-06	860	374765	3771290	2.13E-06	-3.87E-06	
861	374775	3771290	7.54E-06	861	374775	3771290	3.00E-06	861	374775	3771290	2.03E-06	-2.51E-06	
862	374765	3771300	7.37E-06	862	374765	3771300	3.26E-06	862	374765	3771300	2.23E-06	-1.88E-06	
863	374775	3771300	6.47E-06	863	374775	3771300	2.95E-06	863	374775	3771300	2.02E-06	-1.50E-06	
864	374765	3771310	6.32E-06	864	374765	3771310	3.24E-06	864	374765	3771310	2.45E-06	-6.28E-07	
865	374775	3771310	5.83E-06	865	374775	3771310	2.92E-06	865	374775	3771310	2.06E-06	-8.56E-07	
866	374765	3771320	5.74E-06	866	374765	3771320	3.21E-06	866	374765	3771320	2.17E-06	-3.63E-07	
867	374775	3771320	5.39E-06	867	374775	3771320	2.88E-06	867	374775	3771320	1.91E-06	-5.95E-07	
868	374765	3771330	5.45E-06	868	374765	3771330	3.18E-06	868	374765	3771330	1.98E-06	-2.92E-07	
869	374775	3771330	4.96E-06	869	374775	3771330	2.85E-06	869	374775	3771330	1.79E-06	-3.20E-07	
870	374765	3771340	5.12E-06	870	374765	3771340	3.16E-06	870	374765	3771340	1.82E-06	-1.40E-07	
871	374775	3771340	4.60E-06	871	374775	3771340	2.83E-06	871	374775	3771340	1.71E-06	-5.92E-08	
872	374765	3771350	4.65E-06	872	374765	3771350	3.13E-06	872	374765	3771350	1.74E-06	2.28E-07	
873	374775	3771350	4.32E-06	873	374775	3771350	2.80E-06	873	374775	3771350	1.65E-06	1.37E-07	
874	374765	3771360	4.31E-06	874	374765	3771360	3.09E-06	874	374765	3771360	1.83E-06	6.11E-07	
875	374775	3771360	4.13E-06	875	374775	3771360	2.77E-06	875	374775	3771360	1.68E-06	3.15E-07	
876	374765	3771370	4.10E-06	876	374765	3771370	3.04E-06	876	374765	3771370	2.26E-06	1.20E-06	
877	374775	3771370	3.92E-06	877	374775	3771370	2.72E-06	877	374775	3771370	1.80E-06	5.98E-07	
878	374765	3771380	3.85E-06	878	374765	3771380	2.98E-06	878	374765	3771380	1.83E-06	9.53E-07	
879	374775	3771380	3.71E-06	879	374775	3771380	2.67E-06	879	374775	3771380	1.76E-06	7.23E-07	
880	374765	3771390	3.61E-06	880	374765	3771390	2.90E-06	880	374765	3771390	1.57E-06	8.54E-07	
881	374775	3771390	3.50E-06	881	374775	3771390	2.62E-06	881	374775	3771390	1.50E-06	6.24E-07	
882	374765	3771400	3.38E-06	882	374765	3771400	2.80E-06	882	374765	3771400	1.61E-06	1.04E-06	
883	374775	3771400	3.29E-06	883	374775	3771400	2.54E-06	883	374775	3771400	1.46E-06	7.21E-07	
884	374765	3771410	3.16E-06	884	374765	3771410	2.68E-06	884	374765	3771410	1.78E-06	1.30E-06	
885	374775	3771410	3.09E-06	885	374775	3771410	2.44E-06	885	374775	3771410	1.45E-06	8.11E-07	
886	374400	3770680	1.06E-06	886	374400	3770680	9.06E-08	886	374400	3770680	1.47E-07	-8.20E-07	
887	374420	3770680	9.71E-07	887	374420	3770680	9.05E-08	887	374420	3770680	1.46E-07	-7.34E-07	
888	374440	3770680	8.85E-07	888	374440	3770680	9.03E-08	888	374440	3770680	1.43E-07	-6.52E-07	
889	374460	3770680	8.07E-07	889	374460	3770680	8.99E-08	889	374460	3770680	1.40E-07	-5.77E-07	
890	374480	3770680	7.37E-07	890	374480	3770680	8.95E-08	890	374480	3770680	1.36E-07	-5.11E-07	
891	374500	3770680	6.73E-07	891	374500	3770680	8.90E-08	891	374500	3770680	1.32E-07	-4.51E-07	
892	374520	3770680	6.19E-07	892	374520	3770680	8.84E-08	892	374520	3770680	1.28E-07	-4.03E-07	
893	374540	3770680	5.74E-07	893	374540	3770680	8.77E-08	893	374540	3770680	1.25E-07	-3.61E-07	
894	374560	3770680	5.36E-07	894	374560	3770680	8.68E-08	894	374560	3770680	1.20E-07	-3.29E-07	
895	374580	3770680	5.03E-07	895	374580	3770680	8.59E-08	895	374580	3770680	1.16E-07	-3.01E-07	
896	374400	3770700	1.15E-06	896	374400	3770700	9.67E-08	896	374400	3770700	1.53E-07	-8.99E-07	

Television City

Cancer Risk by Receptor

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Construction Exposure Parameters: 3-year exposure duration, 3rd trimester start age

Existing Operations			Max 1.23E-05	Construction			Max 6.27E-06	Project Operations			Max 7.41E-06	Incremental Increase	
No.	X	Y	Risk	No.	X	Y	Risk	No.	X	Y	Risk	Increase	Max
897	374420	3770700	1.05E-06	897	374420	3770700	9.69E-08	897	374420	3770700	1.52E-07	-8.06E-07	
898	374440	3770700	9.63E-07	898	374440	3770700	9.67E-08	898	374440	3770700	1.50E-07	-7.16E-07	
899	374460	3770700	8.74E-07	899	374460	3770700	9.64E-08	899	374460	3770700	1.47E-07	-6.30E-07	
900	374480	3770700	7.93E-07	900	374480	3770700	9.60E-08	900	374480	3770700	1.44E-07	-5.53E-07	
901	374500	3770700	7.21E-07	901	374500	3770700	9.55E-08	901	374500	3770700	1.40E-07	-4.86E-07	
902	374520	3770700	6.61E-07	902	374520	3770700	9.48E-08	902	374520	3770700	1.36E-07	-4.30E-07	
903	374540	3770700	6.11E-07	903	374540	3770700	9.41E-08	903	374540	3770700	1.32E-07	-3.84E-07	
904	374560	3770700	5.68E-07	904	374560	3770700	9.32E-08	904	374560	3770700	1.28E-07	-3.46E-07	
905	374580	3770700	5.32E-07	905	374580	3770700	9.22E-08	905	374580	3770700	1.24E-07	-3.16E-07	
906	374400	3770720	1.25E-06	906	374400	3770720	1.03E-07	906	374400	3770720	1.59E-07	-9.92E-07	
907	374420	3770720	1.15E-06	907	374420	3770720	1.04E-07	907	374420	3770720	1.59E-07	-8.86E-07	
908	374440	3770720	1.05E-06	908	374440	3770720	1.04E-07	908	374440	3770720	1.57E-07	-7.85E-07	
909	374460	3770720	9.51E-07	909	374460	3770720	1.04E-07	909	374460	3770720	1.55E-07	-6.92E-07	
910	374480	3770720	8.60E-07	910	374480	3770720	1.03E-07	910	374480	3770720	1.52E-07	-6.05E-07	
911	374500	3770720	7.77E-07	911	374500	3770720	1.03E-07	911	374500	3770720	1.49E-07	-5.26E-07	
912	374520	3770720	7.09E-07	912	374520	3770720	1.02E-07	912	374520	3770720	1.45E-07	-4.62E-07	
913	374540	3770720	6.51E-07	913	374540	3770720	1.01E-07	913	374540	3770720	1.41E-07	-4.08E-07	
914	374560	3770720	6.02E-07	914	374560	3770720	1.00E-07	914	374560	3770720	1.37E-07	-3.65E-07	
915	374580	3770720	5.61E-07	915	374580	3770720	9.92E-08	915	374580	3770720	1.33E-07	-3.29E-07	
916	374400	3770740	1.37E-06	916	374400	3770740	1.11E-07	916	374400	3770740	1.64E-07	-1.09E-06	
917	374420	3770740	1.26E-06	917	374420	3770740	1.11E-07	917	374420	3770740	1.65E-07	-9.79E-07	
918	374440	3770740	1.14E-06	918	374440	3770740	1.12E-07	918	374440	3770740	1.64E-07	-8.67E-07	
919	374460	3770740	1.03E-06	919	374460	3770740	1.11E-07	919	374460	3770740	1.64E-07	-7.59E-07	
920	374480	3770740	9.33E-07	920	374480	3770740	1.11E-07	920	374480	3770740	1.61E-07	-6.60E-07	
921	374500	3770740	8.39E-07	921	374500	3770740	1.11E-07	921	374500	3770740	1.58E-07	-5.70E-07	
922	374520	3770740	7.63E-07	922	374520	3770740	1.10E-07	922	374520	3770740	1.55E-07	-4.98E-07	
923	374540	3770740	6.96E-07	923	374540	3770740	1.09E-07	923	374540	3770740	1.50E-07	-4.36E-07	
924	374560	3770740	6.41E-07	924	374560	3770740	1.08E-07	924	374560	3770740	1.47E-07	-3.86E-07	
925	374580	3770740	5.94E-07	925	374580	3770740	1.07E-07	925	374580	3770740	1.42E-07	-3.45E-07	
926	374400	3770700	1.1E-06	926	374400	3770700	9.7E-08	926	374400	3770700	1.5E-07	-8.50E-07	
927	374500	3770700	7E-07	927	374500	3770700	9.9E-08	927	374500	3770700	1.4E-07	-4.57E-07	
928	374400	3770700	1.2E-06	928	374400	3770700	9.6E-08	928	374400	3770700	1.6E-07	-9.08E-07	
929	374500	3770700	7.4E-07	929	374500	3770700	9.7E-08	929	374500	3770700	1.4E-07	-4.96E-07	
930	374400	3770700	1.1E-06	930	374400	3770700	9.7E-08	930	374400	3770700	1.5E-07	-8.99E-07	
931	374500	3770700	7.2E-07	931	374500	3770700	9.5E-08	931	374500	3770700	1.4E-07	-4.86E-07	
932	373900	3770500	9.4E-07	932	373900	3770500	4.2E-08	932	373900	3770500	7E-08	-8.23E-07	
933	373950	3770500	1E-06	933	373950	3770500	4.4E-08	933	373950	3770500	7.7E-08	-9.07E-07	
934	374000	3770500	1.1E-06	934	374000	3770500	4.6E-08	934	374000	3770500	8.5E-08	-9.69E-07	
935	374050	3770500	1.1E-06	935	374050	3770500	4.8E-08	935	374050	3770500	9.3E-08	-9.82E-07	
936	374100	3770500	1.1E-06	936	374100	3770500	5E-08	936	374100	3770500	1E-07	-9.27E-07	
937	374150	3770500	1E-06	937	374150	3770500	5.1E-08	937	374150	3770500	1.1E-07	-8.39E-07	
938	374200	3770500	9E-07	938	374200	3770500	5.3E-08	938	374200	3770500	1.1E-07	-7.40E-07	
939	374250	3770500	8E-07	939	374250	3770500	5.4E-08	939	374250	3770500	1.1E-07	-6.33E-07	
940	374300	3770500	7E-07	940	374300	3770500	5.4E-08	940	374300	3770500	1.1E-07	-5.34E-07	
941	374350	3770500	6E-07	941	374350	3770500	5.5E-08	941	374350	3770500	1E-07	-4.42E-07	
942	374400	3770500	5.2E-07	942	374400	3770500	5.5E-08	942	374400	3770500	9.7E-08	-3.65E-07	
943	374450	3770500	4.5E-07	943	374450	3770500	5.4E-08	943	374450	3770500	8.7E-08	-3.04E-07	
944	374500	3770500	4E-07	944	374500	3770500	5.4E-08	944	374500	3770500	8.1E-08	-2.63E-07	
945	374550	3770500	3.7E-07	945	374550	3770500	5.3E-08	945	374550	3770500	7.7E-08	-2.35E-07	
946	374600	3770500	3.4E-07	946	374600	3770500	5.2E-08	946	374600	3770500	7.5E-08	-2.16E-07	
947	374650	3770500	3.3E-07	947	374650	3770500	5.1E-08	947	374650	3770500	7.5E-08	-2.02E-07	
948	374700	3770500	3.2E-07	948	374700	3770500	5E-08	948	374700	3770500	7.5E-08	-1.90E-07	
949	374750	3770500	3E-07	949	374750	3770500	4.9E-08	949	374750	3770500	7.6E-08	-1.76E-07	
950	374800	3770500	2.9E-07	950	374800	3770500	4.8E-08	950	374800	3770500	7.7E-08	-1.61E-07	
951	374850	3770500	2.7E-07	951	374850	3770500	4.6E-08	951	374850	3770500	7.8E-08	-1.48E-07	
952	374900	3770500	2.6E-07	952	374900	3770500	4.4E-08	952	374900	3770500	7.9E-08	-1.38E-07	
953	374950	3770500	2.5E-07	953	374950	3770500	4.3E-08	953	374950	3770500	7.8E-08	-1.33E-07	
954	375000	3770500	2.5E-07	954	375000	3770500	4.1E-08	954	375000	3770500	7.7E-08	-1.29E-07	
955	375050	3770500	2.4E-07	955	375050	3770500	3.9E-08	955	375050	3770500	7.5E-08	-1.26E-07	
956	375100	3770500	2.3E-07	956	375100	3770500	3.7E-08	956	375100	3770500	7.3E-08	-1.25E-07	
957	375150	3770500	2.3E-07	957	375150	3770500	3.5E-08	957	375150	3770500	7.1E-08	-1.22E-07	
958	375200	3770500	2.2E-07	958	375200	3770500	3.3E-08	958	375200	3770500	6.9E-08	-1.21E-07	
959	375250	3770500	2.2E-07	959	375250	3770500	3.1E-08	959	375250	3770500	6.6E-08	-1.18E-07	
960	375300	3770500	2.1E-07	960	375300	3770500	3E-08	960	375300	3770500	6.4E-08	-1.16E-07	

Television City

Cancer Risk by Receptor

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Construction Exposure Parameters: 3-year exposure duration, 3rd trimester start age

Existing Operations			Max 1.23E-05	Construction			Max 6.27E-06	Project Operations			Max 7.41E-06	Incremental Increase	
No.	X	Y	Risk	No.	X	Y	Risk	No.	X	Y	Risk	Increase	Max
961	375350	3770500	2E-07	961	375350	3770500	2.8E-08	961	375350	3770500	6.1E-08	-1.11E-07	
962	375400	3770500	1.9E-07	962	375400	3770500	2.7E-08	962	375400	3770500	5.8E-08	-1.08E-07	
963	373900	3770550	9.7E-07	963	373900	3770550	4.5E-08	963	373900	3770550	6.8E-08	-8.53E-07	
964	373950	3770550	1.1E-06	964	373950	3770550	4.8E-08	964	373950	3770550	7.5E-08	-9.78E-07	
965	374000	3770550	1.2E-06	965	374000	3770550	5E-08	965	374000	3770550	8.3E-08	-1.08E-06	
966	374050	3770550	1.3E-06	966	374050	3770550	5.3E-08	966	374050	3770550	9.1E-08	-1.13E-06	
967	374100	3770550	1.3E-06	967	374100	3770550	5.5E-08	967	374100	3770550	9.9E-08	-1.11E-06	
968	374150	3770550	1.2E-06	968	374150	3770550	5.7E-08	968	374150	3770550	1.1E-07	-1.03E-06	
969	374200	3770550	1.1E-06	969	374200	3770550	5.9E-08	969	374200	3770550	1.1E-07	-9.25E-07	
970	374250	3770550	9.8E-07	970	374250	3770550	6E-08	970	374250	3770550	1.2E-07	-7.99E-07	
971	374300	3770550	8.5E-07	971	374300	3770550	6.1E-08	971	374300	3770550	1.2E-07	-6.67E-07	
972	374350	3770550	7.2E-07	972	374350	3770550	6.2E-08	972	374350	3770550	1.2E-07	-5.41E-07	
973	374400	3770550	6E-07	973	374400	3770550	6.2E-08	973	374400	3770550	1.1E-07	-4.34E-07	
974	374450	3770550	5.1E-07	974	374450	3770550	6.2E-08	974	374450	3770550	9.9E-08	-3.47E-07	
975	374500	3770550	4.4E-07	975	374500	3770550	6.2E-08	975	374500	3770550	9.1E-08	-2.92E-07	
976	374550	3770550	4E-07	976	374550	3770550	6.1E-08	976	374550	3770550	8.6E-08	-2.58E-07	
977	374600	3770550	3.7E-07	977	374600	3770550	6E-08	977	374600	3770550	8.3E-08	-2.32E-07	
978	374650	3770550	3.6E-07	978	374650	3770550	5.9E-08	978	374650	3770550	8.2E-08	-2.16E-07	
979	374700	3770550	3.4E-07	979	374700	3770550	5.7E-08	979	374700	3770550	8.3E-08	-2.02E-07	
980	374750	3770550	3.2E-07	980	374750	3770550	5.6E-08	980	374750	3770550	8.3E-08	-1.85E-07	
981	374800	3770550	3.1E-07	981	374800	3770550	5.4E-08	981	374800	3770550	8.4E-08	-1.68E-07	
982	374850	3770550	2.9E-07	982	374850	3770550	5.2E-08	982	374850	3770550	8.5E-08	-1.54E-07	
983	374900	3770550	2.8E-07	983	374900	3770550	5E-08	983	374900	3770550	8.6E-08	-1.44E-07	
984	374950	3770550	2.7E-07	984	374950	3770550	4.8E-08	984	374950	3770550	8.5E-08	-1.39E-07	
985	375000	3770550	2.6E-07	985	375000	3770550	4.5E-08	985	375000	3770550	8.3E-08	-1.35E-07	
986	375050	3770550	2.6E-07	986	375050	3770550	4.3E-08	986	375050	3770550	8.1E-08	-1.32E-07	
987	375100	3770550	2.5E-07	987	375100	3770550	4.1E-08	987	375100	3770550	7.9E-08	-1.30E-07	
988	375150	3770550	2.4E-07	988	375150	3770550	3.8E-08	988	375150	3770550	7.6E-08	-1.28E-07	
989	375200	3770550	2.4E-07	989	375200	3770550	3.6E-08	989	375200	3770550	7.3E-08	-1.27E-07	
990	375250	3770550	2.3E-07	990	375250	3770550	3.4E-08	990	375250	3770550	7.1E-08	-1.24E-07	
991	375300	3770550	2.2E-07	991	375300	3770550	3.2E-08	991	375300	3770550	6.8E-08	-1.20E-07	
992	375350	3770550	2.1E-07	992	375350	3770550	3E-08	992	375350	3770550	6.5E-08	-1.15E-07	
993	375400	3770550	2E-07	993	375400	3770550	2.8E-08	993	375400	3770550	6.2E-08	-1.11E-07	
994	373900	3770600	9.6E-07	994	373900	3770600	4.8E-08	994	373900	3770600	6.6E-08	-8.43E-07	
995	373950	3770600	1.1E-06	995	373950	3770600	5.1E-08	995	373950	3770600	7.2E-08	-1.01E-06	
996	374000	3770600	1.3E-06	996	374000	3770600	5.4E-08	996	374000	3770600	8E-08	-1.16E-06	
997	374050	3770600	1.4E-06	997	374050	3770600	5.7E-08	997	374050	3770600	8.9E-08	-1.27E-06	
998	374100	3770600	1.5E-06	998	374100	3770600	6E-08	998	374100	3770600	9.8E-08	-1.29E-06	
999	374150	3770600	1.4E-06	999	374150	3770600	6.3E-08	999	374150	3770600	1.1E-07	-1.25E-06	
1000	374200	3770600	1.3E-06	1000	374200	3770600	6.6E-08	1000	374200	3770600	1.2E-07	-1.11E-06	
1001	374250	3770600	1.2E-06	1001	374250	3770600	6.8E-08	1001	374250	3770600	1.2E-07	-9.81E-07	
1002	374300	3770600	1E-06	1002	374300	3770600	6.9E-08	1002	374300	3770600	1.3E-07	-8.33E-07	
1003	374350	3770600	8.8E-07	1003	374350	3770600	7.1E-08	1003	374350	3770600	1.3E-07	-6.77E-07	
1004	374400	3770600	7.3E-07	1004	374400	3770600	7.1E-08	1004	374400	3770600	1.2E-07	-5.33E-07	
1005	374450	3770600	6E-07	1005	374450	3770600	7.2E-08	1005	374450	3770600	1.1E-07	-4.12E-07	
1006	374500	3770600	5.1E-07	1006	374500	3770600	7.1E-08	1006	374500	3770600	1E-07	-3.31E-07	
1007	374550	3770600	4.5E-07	1007	374550	3770600	7.1E-08	1007	374550	3770600	9.7E-08	-2.80E-07	
1008	374600	3770600	4.2E-07	1008	374600	3770600	7E-08	1008	374600	3770600	9.3E-08	-2.52E-07	
1009	374650	3770600	3.9E-07	1009	374650	3770600	6.8E-08	1009	374650	3770600	9.2E-08	-2.33E-07	
1010	374700	3770600	3.7E-07	1010	374700	3770600	6.6E-08	1010	374700	3770600	9.1E-08	-2.15E-07	
1011	374750	3770600	3.5E-07	1011	374750	3770600	6.4E-08	1011	374750	3770600	9.2E-08	-1.95E-07	
1012	374800	3770600	3.3E-07	1012	374800	3770600	6.2E-08	1012	374800	3770600	9.3E-08	-1.73E-07	
1013	374850	3770600	3.1E-07	1013	374850	3770600	5.9E-08	1013	374850	3770600	9.4E-08	-1.59E-07	
1014	374900	3770600	3E-07	1014	374900	3770600	5.6E-08	1014	374900	3770600	9.4E-08	-1.50E-07	
1015	374950	3770600	2.9E-07	1015	374950	3770600	5.4E-08	1015	374950	3770600	9.2E-08	-1.44E-07	
1016	375000	3770600	2.8E-07	1016	375000	3770600	5.1E-08	1016	375000	3770600	9E-08	-1.41E-07	
1017	375050	3770600	2.7E-07	1017	375050	3770600	4.8E-08	1017	375050	3770600	8.7E-08	-1.38E-07	
1018	375100	3770600	2.7E-07	1018	375100	3770600	4.5E-08	1018	375100	3770600	8.5E-08	-1.36E-07	
1019	375150	3770600	2.6E-07	1019	375150	3770600	4.2E-08	1019	375150	3770600	8.2E-08	-1.36E-07	
1020	375200	3770600	2.5E-07	1020	375200	3770600	3.9E-08	1020	375200	3770600	7.9E-08	-1.32E-07	
1021	375250	3770600	2.4E-07	1021	375250	3770600	3.7E-08	1021	375250	3770600	7.6E-08	-1.29E-07	
1022	375300	3770600	2.3E-07	1022	375300	3770600	3.4E-08	1022	375300	3770600	7.3E-08	-1.23E-07	
1023	375350	3770600	2.2E-07	1023	375350	3770600	3.2E-08	1023	375350	3770600	6.9E-08	-1.19E-07	
1024	375400	3770600	2.1E-07	1024	375400	3770600	3E-08	1024	375400	3770600	6.6E-08	-1.15E-07	

Television City

Cancer Risk by Receptor

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Construction Exposure Parameters: 3-year exposure duration, 3rd trimester start age

Existing Operations			Max 1.23E-05	Construction			Max 6.27E-06	Project Operations			Max 7.41E-06	Incremental Increase	
No.	X	Y	Risk	No.	X	Y	Risk	No.	X	Y	Risk	Increase	Max
1025	373900	3770650	9.3E-07	1025	373900	3770650	5.1E-08	1025	373900	3770650	6.4E-08	-8.13E-07	
1026	373950	3770650	1.1E-06	1026	373950	3770650	5.5E-08	1026	373950	3770650	7E-08	-1.01E-06	
1027	374000	3770650	1.3E-06	1027	374000	3770650	5.9E-08	1027	374000	3770650	7.7E-08	-1.21E-06	
1028	374050	3770650	1.5E-06	1028	374050	3770650	6.3E-08	1028	374050	3770650	8.7E-08	-1.38E-06	
1029	374100	3770650	1.6E-06	1029	374100	3770650	6.7E-08	1029	374100	3770650	9.6E-08	-1.46E-06	
1030	374150	3770650	1.7E-06	1030	374150	3770650	7E-08	1030	374150	3770650	1.1E-07	-1.49E-06	
1031	374200	3770650	1.6E-06	1031	374200	3770650	7.4E-08	1031	374200	3770650	1.2E-07	-1.39E-06	
1032	374250	3770650	1.4E-06	1032	374250	3770650	7.7E-08	1032	374250	3770650	1.3E-07	-1.21E-06	
1033	374300	3770650	1.3E-06	1033	374300	3770650	7.9E-08	1033	374300	3770650	1.3E-07	-1.05E-06	
1034	374350	3770650	1.1E-06	1034	374350	3770650	8.1E-08	1034	374350	3770650	1.4E-07	-8.52E-07	
1035	374400	3770650	8.9E-07	1035	374400	3770650	8.3E-08	1035	374400	3770650	1.4E-07	-6.69E-07	
1036	374450	3770650	7.2E-07	1036	374450	3770650	8.3E-08	1036	374450	3770650	1.3E-07	-5.05E-07	
1037	374500	3770650	5.9E-07	1037	374500	3770650	8.3E-08	1037	374500	3770650	1.2E-07	-3.82E-07	
1038	374550	3770650	5.1E-07	1038	374550	3770650	8.3E-08	1038	374550	3770650	1.1E-07	-3.12E-07	
1039	374600	3770650	4.6E-07	1039	374600	3770650	8.2E-08	1039	374600	3770650	1.1E-07	-2.73E-07	
1040	374650	3770650	4.3E-07	1040	374650	3770650	8E-08	1040	374650	3770650	1E-07	-2.50E-07	
1041	374700	3770650	4.1E-07	1041	374700	3770650	7.8E-08	1041	374700	3770650	1E-07	-2.28E-07	
1042	374750	3770650	3.8E-07	1042	374750	3770650	7.5E-08	1042	374750	3770650	1E-07	-2.02E-07	
1043	374800	3770650	3.6E-07	1043	374800	3770650	7.2E-08	1043	374800	3770650	1E-07	-1.81E-07	
1044	374850	3770650	3.4E-07	1044	374850	3770650	6.8E-08	1044	374850	3770650	1E-07	-1.64E-07	
1045	374900	3770650	3.2E-07	1045	374900	3770650	6.5E-08	1045	374900	3770650	1E-07	-1.55E-07	
1046	374950	3770650	3.1E-07	1046	374950	3770650	6.1E-08	1046	374950	3770650	1E-07	-1.50E-07	
1047	375000	3770650	3E-07	1047	375000	3770650	5.7E-08	1047	375000	3770650	9.8E-08	-1.48E-07	
1048	375050	3770650	2.9E-07	1048	375050	3770650	5.3E-08	1048	375050	3770650	9.5E-08	-1.45E-07	
1049	375100	3770650	2.9E-07	1049	375100	3770650	4.9E-08	1049	375100	3770650	9.1E-08	-1.45E-07	
1050	375150	3770650	2.8E-07	1050	375150	3770650	4.6E-08	1050	375150	3770650	8.8E-08	-1.43E-07	
1051	375200	3770650	2.7E-07	1051	375200	3770650	4.3E-08	1051	375200	3770650	8.5E-08	-1.39E-07	
1052	375250	3770650	2.5E-07	1052	375250	3770650	4E-08	1052	375250	3770650	8.1E-08	-1.34E-07	
1053	375300	3770650	2.4E-07	1053	375300	3770650	3.7E-08	1053	375300	3770650	7.8E-08	-1.28E-07	
1054	375350	3770650	2.3E-07	1054	375350	3770650	3.4E-08	1054	375350	3770650	7.4E-08	-1.21E-07	
1055	375400	3770650	2.2E-07	1055	375400	3770650	3.2E-08	1055	375400	3770650	7E-08	-1.15E-07	
1056	373900	3770700	8.8E-07	1056	373900	3770700	5.4E-08	1056	373900	3770700	6.2E-08	-7.60E-07	
1057	373950	3770700	1.1E-06	1057	373950	3770700	5.9E-08	1057	373950	3770700	6.8E-08	-9.58E-07	
1058	374000	3770700	1.3E-06	1058	374000	3770700	6.4E-08	1058	374000	3770700	7.5E-08	-1.20E-06	
1059	374050	3770700	1.6E-06	1059	374050	3770700	6.9E-08	1059	374050	3770700	8.4E-08	-1.43E-06	
1060	374100	3770700	1.8E-06	1060	374100	3770700	7.4E-08	1060	374100	3770700	9.4E-08	-1.60E-06	
1061	374150	3770700	1.9E-06	1061	374150	3770700	7.9E-08	1061	374150	3770700	1.1E-07	-1.69E-06	
1062	374200	3770700	1.9E-06	1062	374200	3770700	8.4E-08	1062	374200	3770700	1.2E-07	-1.65E-06	
1063	374250	3770700	1.7E-06	1063	374250	3770700	8.8E-08	1063	374250	3770700	1.3E-07	-1.50E-06	
1064	374300	3770700	1.5E-06	1064	374300	3770700	9.2E-08	1064	374300	3770700	1.4E-07	-1.30E-06	
1065	374350	3770700	1.3E-06	1065	374350	3770700	9.5E-08	1065	374350	3770700	1.5E-07	-1.08E-06	
1066	374400	3770700	1.1E-06	1066	374400	3770700	9.7E-08	1066	374400	3770700	1.5E-07	-8.50E-07	
1067	374450	3770700	8.8E-07	1067	374450	3770700	9.8E-08	1067	374450	3770700	1.5E-07	-6.33E-07	
1068	374500	3770700	7E-07	1068	374500	3770700	9.9E-08	1068	374500	3770700	1.4E-07	-4.57E-07	
1069	374550	3770700	5.8E-07	1069	374550	3770700	9.9E-08	1069	374550	3770700	1.3E-07	-3.52E-07	
1070	374600	3770700	5.2E-07	1070	374600	3770700	9.7E-08	1070	374600	3770700	1.2E-07	-2.98E-07	
1071	374650	3770700	4.8E-07	1071	374650	3770700	9.5E-08	1071	374650	3770700	1.2E-07	-2.67E-07	
1072	374700	3770700	4.5E-07	1072	374700	3770700	9.2E-08	1072	374700	3770700	1.2E-07	-2.45E-07	
1073	374750	3770700	4.1E-07	1073	374750	3770700	8.8E-08	1073	374750	3770700	1.2E-07	-2.08E-07	
1074	374800	3770700	3.9E-07	1074	374800	3770700	8.4E-08	1074	374800	3770700	1.2E-07	-1.85E-07	
1075	374850	3770700	3.6E-07	1075	374850	3770700	8E-08	1075	374850	3770700	1.2E-07	-1.70E-07	
1076	374900	3770700	3.5E-07	1076	374900	3770700	7.5E-08	1076	374900	3770700	1.1E-07	-1.60E-07	
1077	374950	3770700	3.4E-07	1077	374950	3770700	7E-08	1077	374950	3770700	1.1E-07	-1.57E-07	
1078	375000	3770700	3.3E-07	1078	375000	3770700	6.5E-08	1078	375000	3770700	1.1E-07	-1.54E-07	
1079	375050	3770700	3.2E-07	1079	375050	3770700	6E-08	1079	375050	3770700	1E-07	-1.53E-07	
1080	375100	3770700	3E-07	1080	375100	3770700	5.5E-08	1080	375100	3770700	9.9E-08	-1.50E-07	
1081	375150	3770700	2.9E-07	1081	375150	3770700	5.1E-08	1081	375150	3770700	9.5E-08	-1.47E-07	
1082	375200	3770700	2.8E-07	1082	375200	3770700	4.7E-08	1082	375200	3770700	9.2E-08	-1.43E-07	
1083	375250	3770700	2.7E-07	1083	375250	3770700	4.3E-08	1083	375250	3770700	8.7E-08	-1.36E-07	
1084	375300	3770700	2.5E-07	1084	375300	3770700	4E-08	1084	375300	3770700	8.3E-08	-1.29E-07	
1085	375350	3770700	2.4E-07	1085	375350	3770700	3.7E-08	1085	375350	3770700	7.9E-08	-1.22E-07	
1086	375400	3770700	2.2E-07	1086	375400	3770700	3.4E-08	1086	375400	3770700	7.4E-08	-1.17E-07	
1087	373900	3770750	7.9E-07	1087	373900	3770750	5.8E-08	1087	373900	3770750	6.1E-08	-6.76E-07	
1088	373950	3770750	1E-06	1088	373950	3770750	6.3E-08	1088	373950	3770750	6.6E-08	-8.79E-07	

Television City

Cancer Risk by Receptor

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Construction Exposure Parameters: 3-year exposure duration, 3rd trimester start age

Existing Operations			Max 1.23E-05	Construction			Max 6.27E-06	Project Operations			Max 7.41E-06	Incremental Increase	
No.	X	Y	Risk	No.	X	Y	Risk	No.	X	Y	Risk	Increase	Max
1089	374000	3770750	1.3E-06	1089	374000	3770750	6.9E-08	1089	374000	3770750	7.4E-08	-1.12E-06	
1090	374050	3770750	1.6E-06	1090	374050	3770750	7.5E-08	1090	374050	3770750	8.2E-08	-1.40E-06	
1091	374100	3770750	1.9E-06	1091	374100	3770750	8.2E-08	1091	374100	3770750	9.2E-08	-1.68E-06	
1092	374150	3770750	2.1E-06	1092	374150	3770750	8.8E-08	1092	374150	3770750	1E-07	-1.87E-06	
1093	374200	3770750	2.1E-06	1093	374200	3770750	9.5E-08	1093	374200	3770750	1.2E-07	-1.93E-06	
1094	374250	3770750	2.1E-06	1094	374250	3770750	1E-07	1094	374250	3770750	1.3E-07	-1.84E-06	
1095	374300	3770750	1.8E-06	1095	374300	3770750	1.1E-07	1095	374300	3770750	1.4E-07	-1.59E-06	
1096	374350	3770750	1.6E-06	1096	374350	3770750	1.1E-07	1096	374350	3770750	1.6E-07	-1.35E-06	
1097	374400	3770750	1.4E-06	1097	374400	3770750	1.2E-07	1097	374400	3770750	1.7E-07	-1.09E-06	
1098	374450	3770750	1.1E-06	1098	374450	3770750	1.2E-07	1098	374450	3770750	1.7E-07	-8.09E-07	
1099	374500	3770750	8.5E-07	1099	374500	3770750	1.2E-07	1099	374500	3770750	1.6E-07	-5.67E-07	
1100	374550	3770750	6.8E-07	1100	374550	3770750	1.2E-07	1100	374550	3770750	1.6E-07	-4.07E-07	
1101	374600	3770750	5.9E-07	1101	374600	3770750	1.2E-07	1101	374600	3770750	1.5E-07	-3.24E-07	
1102	374650	3770750	5.4E-07	1102	374650	3770750	1.2E-07	1102	374650	3770750	1.4E-07	-2.84E-07	
1103	374700	3770750	5E-07	1103	374700	3770750	1.1E-07	1103	374700	3770750	1.3E-07	-2.56E-07	
1104	374750	3770750	4.5E-07	1104	374750	3770750	1.1E-07	1104	374750	3770750	1.3E-07	-2.12E-07	
1105	374800	3770750	4.2E-07	1105	374800	3770750	1E-07	1105	374800	3770750	1.3E-07	-1.87E-07	
1106	374850	3770750	4E-07	1106	374850	3770750	9.4E-08	1106	374850	3770750	1.3E-07	-1.75E-07	
1107	374900	3770750	3.8E-07	1107	374900	3770750	8.7E-08	1107	374900	3770750	1.3E-07	-1.67E-07	
1108	374950	3770750	3.7E-07	1108	374950	3770750	8.1E-08	1108	374950	3770750	1.2E-07	-1.63E-07	
1109	375000	3770750	3.5E-07	1109	375000	3770750	7.4E-08	1109	375000	3770750	1.2E-07	-1.60E-07	
1110	375050	3770750	3.4E-07	1110	375050	3770750	6.7E-08	1110	375050	3770750	1.1E-07	-1.59E-07	
1111	375100	3770750	3.3E-07	1111	375100	3770750	6.2E-08	1111	375100	3770750	1.1E-07	-1.57E-07	
1112	375150	3770750	3.1E-07	1112	375150	3770750	5.6E-08	1112	375150	3770750	1E-07	-1.53E-07	
1113	375200	3770750	3E-07	1113	375200	3770750	5.1E-08	1113	375200	3770750	9.9E-08	-1.45E-07	
1114	375250	3770750	2.8E-07	1114	375250	3770750	4.7E-08	1114	375250	3770750	9.4E-08	-1.37E-07	
1115	375300	3770750	2.6E-07	1115	375300	3770750	4.3E-08	1115	375300	3770750	8.9E-08	-1.30E-07	
1116	375350	3770750	2.5E-07	1116	375350	3770750	3.9E-08	1116	375350	3770750	8.5E-08	-1.26E-07	
1117	375400	3770750	2.4E-07	1117	375400	3770750	3.6E-08	1117	375400	3770750	8E-08	-1.25E-07	
1118	373900	3770800	7E-07	1118	373900	3770800	6.1E-08	1118	373900	3770800	5.9E-08	-5.78E-07	
1119	373950	3770800	8.8E-07	1119	373950	3770800	6.8E-08	1119	373950	3770800	6.5E-08	-7.51E-07	
1120	374000	3770800	1.1E-06	1120	374000	3770800	7.5E-08	1120	374000	3770800	7.1E-08	-9.96E-07	
1121	374050	3770800	1.5E-06	1121	374050	3770800	8.2E-08	1121	374050	3770800	8E-08	-1.30E-06	
1122	374100	3770800	1.8E-06	1122	374100	3770800	9.1E-08	1122	374100	3770800	9.1E-08	-1.66E-06	
1123	374150	3770800	2.2E-06	1123	374150	3770800	1E-07	1123	374150	3770800	1E-07	-1.96E-06	
1124	374200	3770800	2.4E-06	1124	374200	3770800	1.1E-07	1124	374200	3770800	1.2E-07	-2.16E-06	
1125	374250	3770800	2.4E-06	1125	374250	3770800	1.2E-07	1125	374250	3770800	1.3E-07	-2.14E-06	
1126	374300	3770800	2.3E-06	1126	374300	3770800	1.3E-07	1126	374300	3770800	1.5E-07	-2.00E-06	
1127	374350	3770800	2E-06	1127	374350	3770800	1.3E-07	1127	374350	3770800	1.6E-07	-1.69E-06	
1128	374400	3770800	1.7E-06	1128	374400	3770800	1.4E-07	1128	374400	3770800	1.8E-07	-1.39E-06	
1129	374450	3770800	1.4E-06	1129	374450	3770800	1.4E-07	1129	374450	3770800	1.9E-07	-1.04E-06	
1130	374500	3770800	1.1E-06	1130	374500	3770800	1.5E-07	1130	374500	3770800	1.9E-07	-7.15E-07	
1131	374550	3770800	8.1E-07	1131	374550	3770800	1.5E-07	1131	374550	3770800	1.9E-07	-4.81E-07	
1132	374600	3770800	6.7E-07	1132	374600	3770800	1.5E-07	1132	374600	3770800	1.8E-07	-3.50E-07	
1133	374650	3770800	6E-07	1133	374650	3770800	1.4E-07	1133	374650	3770800	1.7E-07	-2.96E-07	
1134	374700	3770800	5.5E-07	1134	374700	3770800	1.4E-07	1134	374700	3770800	1.6E-07	-2.59E-07	
1135	374750	3770800	5E-07	1135	374750	3770800	1.3E-07	1135	374750	3770800	1.5E-07	-2.16E-07	
1136	374800	3770800	4.6E-07	1136	374800	3770800	1.2E-07	1136	374800	3770800	1.5E-07	-1.91E-07	
1137	374850	3770800	4.3E-07	1137	374850	3770800	1.1E-07	1137	374850	3770800	1.5E-07	-1.73E-07	
1138	374900	3770800	4.2E-07	1138	374900	3770800	1E-07	1138	374900	3770800	1.4E-07	-1.70E-07	
1139	374950	3770800	4E-07	1139	374950	3770800	9.5E-08	1139	374950	3770800	1.4E-07	-1.68E-07	
1140	375000	3770800	3.8E-07	1140	375000	3770800	8.6E-08	1140	375000	3770800	1.3E-07	-1.69E-07	
1141	375050	3770800	3.7E-07	1141	375050	3770800	7.7E-08	1141	375050	3770800	1.3E-07	-1.70E-07	
1142	375100	3770800	3.5E-07	1142	375100	3770800	6.9E-08	1142	375100	3770800	1.2E-07	-1.64E-07	
1143	375150	3770800	3.3E-07	1143	375150	3770800	6.2E-08	1143	375150	3770800	1.1E-07	-1.54E-07	
1144	375200	3770800	3.1E-07	1144	375200	3770800	5.6E-08	1144	375200	3770800	1.1E-07	-1.45E-07	
1145	375250	3770800	2.9E-07	1145	375250	3770800	5.1E-08	1145	375250	3770800	1E-07	-1.37E-07	
1146	375300	3770800	2.8E-07	1146	375300	3770800	4.6E-08	1146	375300	3770800	9.6E-08	-1.33E-07	
1147	375350	3770800	2.6E-07	1147	375350	3770800	4.2E-08	1147	375350	3770800	9.1E-08	-1.29E-07	
1148	375400	3770800	2.5E-07	1148	375400	3770800	3.8E-08	1148	375400	3770800	8.6E-08	-1.25E-07	
1149	373900	3770850	5.9E-07	1149	373900	3770850	6.5E-08	1149	373900	3770850	5.8E-08	-4.68E-07	
1150	373950	3770850	7.6E-07	1150	373950	3770850	7.2E-08	1150	373950	3770850	6.4E-08	-6.20E-07	
1151	374000	3770850	9.9E-07	1151	374000	3770850	8.1E-08	1151	374000	3770850	7E-08	-8.41E-07	
1152	374050	3770850	1.3E-06	1152	374050	3770850	9E-08	1152	374050	3770850	7.9E-08	-1.14E-06	

Television City

Cancer Risk by Receptor

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Construction Exposure Parameters: 3-year exposure duration, 3rd trimester start age

Existing Operations			Max 1.23E-05	Construction			Max 6.27E-06	Project Operations			Max 7.41E-06	Incremental Increase	
No.	X	Y	Risk	No.	X	Y	Risk	No.	X	Y	Risk	Increase	Max
1153	374100	3770850	1.7E-06	1153	374100	3770850	1E-07	1153	374100	3770850	9E-08	-1.52E-06	
1154	374150	3770850	2.1E-06	1154	374150	3770850	1.1E-07	1154	374150	3770850	1E-07	-1.92E-06	
1155	374200	3770850	2.5E-06	1155	374200	3770850	1.2E-07	1155	374200	3770850	1.2E-07	-2.27E-06	
1156	374250	3770850	2.7E-06	1156	374250	3770850	1.4E-07	1156	374250	3770850	1.4E-07	-2.44E-06	
1157	374300	3770850	2.7E-06	1157	374300	3770850	1.5E-07	1157	374300	3770850	1.5E-07	-2.37E-06	
1158	374350	3770850	2.4E-06	1158	374350	3770850	1.6E-07	1158	374350	3770850	1.7E-07	-2.11E-06	
1159	374400	3770850	2.1E-06	1159	374400	3770850	1.7E-07	1159	374400	3770850	1.9E-07	-1.76E-06	
1160	374450	3770850	1.8E-06	1160	374450	3770850	1.8E-07	1160	374450	3770850	2.1E-07	-1.37E-06	
1161	374500	3770850	1.3E-06	1161	374500	3770850	1.8E-07	1161	374500	3770850	2.2E-07	-9.28E-07	
1162	374550	3770850	9.9E-07	1162	374550	3770850	1.9E-07	1162	374550	3770850	2.2E-07	-5.76E-07	
1163	374600	3770850	7.8E-07	1163	374600	3770850	1.8E-07	1163	374600	3770850	2.2E-07	-3.78E-07	
1164	374650	3770850	6.8E-07	1164	374650	3770850	1.8E-07	1164	374650	3770850	2E-07	-2.95E-07	
1165	374700	3770850	6.1E-07	1165	374700	3770850	1.7E-07	1165	374700	3770850	1.9E-07	-2.45E-07	
1166	374750	3770850	5.5E-07	1166	374750	3770850	1.6E-07	1166	374750	3770850	1.8E-07	-2.03E-07	
1167	374800	3770850	5E-07	1167	374800	3770850	1.5E-07	1167	374800	3770850	1.7E-07	-1.77E-07	
1168	374850	3770850	4.7E-07	1168	374850	3770850	1.4E-07	1168	374850	3770850	1.7E-07	-1.68E-07	
1169	374900	3770850	4.5E-07	1169	374900	3770850	1.3E-07	1169	374900	3770850	1.6E-07	-1.64E-07	
1170	374950	3770850	4.3E-07	1170	374950	3770850	1.1E-07	1170	374950	3770850	1.5E-07	-1.66E-07	
1171	375000	3770850	4E-07	1171	375000	3770850	1E-07	1171	375000	3770850	1.4E-07	-1.56E-07	
1172	375050	3770850	3.9E-07	1172	375050	3770850	9E-08	1172	375050	3770850	1.4E-07	-1.58E-07	
1173	375100	3770850	3.7E-07	1173	375100	3770850	7.9E-08	1173	375100	3770850	1.3E-07	-1.63E-07	
1174	375150	3770850	3.5E-07	1174	375150	3770850	7E-08	1174	375150	3770850	1.2E-07	-1.55E-07	
1175	375200	3770850	3.3E-07	1175	375200	3770850	6.2E-08	1175	375200	3770850	1.2E-07	-1.47E-07	
1176	375250	3770850	3.1E-07	1176	375250	3770850	5.6E-08	1176	375250	3770850	1.1E-07	-1.39E-07	
1177	375300	3770850	2.9E-07	1177	375300	3770850	5E-08	1177	375300	3770850	1E-07	-1.36E-07	
1178	375350	3770850	2.8E-07	1178	375350	3770850	4.6E-08	1178	375350	3770850	1E-07	-1.38E-07	
1179	375400	3770850	2.7E-07	1179	375400	3770850	4.1E-08	1179	375400	3770850	9.5E-08	-1.35E-07	
1180	373900	3770900	5E-07	1180	373900	3770900	6.9E-08	1180	373900	3770900	5.7E-08	-3.77E-07	
1181	373950	3770900	6.3E-07	1181	373950	3770900	7.8E-08	1181	373950	3770900	6.2E-08	-4.88E-07	
1182	374000	3770900	8.1E-07	1182	374000	3770900	8.8E-08	1182	374000	3770900	6.9E-08	-6.55E-07	
1183	374050	3770900	1.1E-06	1183	374050	3770900	9.9E-08	1183	374050	3770900	7.8E-08	-9.19E-07	
1184	374100	3770900	1.5E-06	1184	374100	3770900	1.1E-07	1184	374100	3770900	8.9E-08	-1.27E-06	
1185	374150	3770900	2E-06	1185	374150	3770900	1.3E-07	1185	374150	3770900	1E-07	-1.73E-06	
1186	374200	3770900	2.5E-06	1186	374200	3770900	1.4E-07	1186	374200	3770900	1.2E-07	-2.22E-06	
1187	374250	3770900	2.9E-06	1187	374250	3770900	1.6E-07	1187	374250	3770900	1.4E-07	-2.59E-06	
1188	374300	3770900	3.1E-06	1188	374300	3770900	1.8E-07	1188	374300	3770900	1.6E-07	-2.73E-06	
1189	374350	3770900	2.9E-06	1189	374350	3770900	2E-07	1189	374350	3770900	1.8E-07	-2.56E-06	
1190	374400	3770900	2.6E-06	1190	374400	3770900	2.1E-07	1190	374400	3770900	2E-07	-2.19E-06	
1191	374450	3770900	2.2E-06	1191	374450	3770900	2.3E-07	1191	374450	3770900	2.3E-07	-1.77E-06	
1192	374500	3770900	1.7E-06	1192	374500	3770900	2.4E-07	1192	374500	3770900	2.5E-07	-1.23E-06	
1193	374550	3770900	1.2E-06	1193	374550	3770900	2.4E-07	1193	374550	3770900	2.7E-07	-7.14E-07	
1194	374600	3770900	9.1E-07	1194	374600	3770900	2.4E-07	1194	374600	3770900	2.7E-07	-4.04E-07	
1195	374650	3770900	7.6E-07	1195	374650	3770900	2.4E-07	1195	374650	3770900	2.5E-07	-2.73E-07	
1196	374700	3770900	6.7E-07	1196	374700	3770900	2.3E-07	1196	374700	3770900	2.3E-07	-2.12E-07	
1197	374750	3770900	6E-07	1197	374750	3770900	2.1E-07	1197	374750	3770900	2.1E-07	-1.73E-07	
1198	374800	3770900	5.5E-07	1198	374800	3770900	2E-07	1198	374800	3770900	2E-07	-1.55E-07	
1199	374850	3770900	5.2E-07	1199	374850	3770900	1.8E-07	1199	374850	3770900	1.9E-07	-1.48E-07	
1200	374900	3770900	4.6E-07	1200	374900	3770900	1.6E-07	1200	374900	3770900	1.8E-07	-1.26E-07	
1201	374950	3770900	4.5E-07	1201	374950	3770900	1.4E-07	1201	374950	3770900	1.7E-07	-1.37E-07	
1202	375000	3770900	4.4E-07	1202	375000	3770900	1.2E-07	1202	375000	3770900	1.7E-07	-1.57E-07	
1203	375050	3770900	4.3E-07	1203	375050	3770900	1E-07	1203	375050	3770900	1.6E-07	-1.70E-07	
1204	375100	3770900	4E-07	1204	375100	3770900	8.9E-08	1204	375100	3770900	1.5E-07	-1.59E-07	
1205	375150	3770900	3.7E-07	1205	375150	3770900	7.8E-08	1205	375150	3770900	1.4E-07	-1.52E-07	
1206	375200	3770900	3.5E-07	1206	375200	3770900	6.9E-08	1206	375200	3770900	1.3E-07	-1.47E-07	
1207	375250	3770900	3.3E-07	1207	375250	3770900	6.1E-08	1207	375250	3770900	1.2E-07	-1.44E-07	
1208	375300	3770900	3.1E-07	1208	375300	3770900	5.5E-08	1208	375300	3770900	1.2E-07	-1.43E-07	
1209	375350	3770900	3E-07	1209	375350	3770900	4.9E-08	1209	375350	3770900	1.1E-07	-1.43E-07	
1210	375400	3770900	2.9E-07	1210	375400	3770900	4.4E-08	1210	375400	3770900	1E-07	-1.40E-07	
1211	373900	3770950	4.3E-07	1211	373900	3770950	7.3E-08	1211	373900	3770950	5.6E-08	-3.01E-07	
1212	373950	3770950	5.2E-07	1212	373950	3770950	8.3E-08	1212	373950	3770950	6.1E-08	-3.80E-07	
1213	374000	3770950	6.6E-07	1213	374000	3770950	9.5E-08	1213	374000	3770950	6.9E-08	-4.94E-07	
1214	374050	3770950	8.7E-07	1214	374050	3770950	1.1E-07	1214	374050	3770950	7.8E-08	-6.88E-07	
1215	374100	3770950	1.2E-06	1215	374100	3770950	1.3E-07	1215	374100	3770950	8.8E-08	-9.80E-07	
1216	374150	3770950	1.6E-06	1216	374150	3770950	1.4E-07	1216	374150	3770950	1E-07	-1.39E-06	

Television City

Cancer Risk by Receptor

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Construction Exposure Parameters: 3-year exposure duration, 3rd trimester start age

Existing Operations			Max 1.23E-05	Construction			Max 6.27E-06	Project Operations			Max 7.41E-06	Incremental Increase	
No.	X	Y	Risk	No.	X	Y	Risk	No.	X	Y	Risk	Increase	Max
1217	374200	3770950	2.3E-06	1217	374200	3770950	1.7E-07	1217	374200	3770950	1.2E-07	-1.96E-06	
1218	374250	3770950	2.9E-06	1218	374250	3770950	1.9E-07	1218	374250	3770950	1.4E-07	-2.53E-06	
1219	374300	3770950	3.3E-06	1219	374300	3770950	2.2E-07	1219	374300	3770950	1.7E-07	-2.94E-06	
1220	374350	3770950	3.5E-06	1220	374350	3770950	2.5E-07	1220	374350	3770950	1.9E-07	-3.02E-06	
1221	374400	3770950	3.3E-06	1221	374400	3770950	2.8E-07	1221	374400	3770950	2.2E-07	-2.77E-06	
1222	374450	3770950	2.8E-06	1222	374450	3770950	3E-07	1222	374450	3770950	2.5E-07	-2.28E-06	
1223	374500	3770950	2.3E-06	1223	374500	3770950	3.1E-07	1223	374500	3770950	2.9E-07	-1.66E-06	
1224	374550	3770950	1.6E-06	1224	374550	3770950	3.2E-07	1224	374550	3770950	3.2E-07	-9.47E-07	
1225	374600	3770950	1.1E-06	1225	374600	3770950	3.3E-07	1225	374600	3770950	3.3E-07	-4.57E-07	
1226	374650	3770950	8.7E-07	1226	374650	3770950	3.2E-07	1226	374650	3770950	3.2E-07	-2.37E-07	
1227	374700	3770950	7.4E-07	1227	374700	3770950	3.1E-07	1227	374700	3770950	2.9E-07	-1.43E-07	
1228	374750	3770950	6.5E-07	1228	374750	3770950	2.9E-07	1228	374750	3770950	2.6E-07	-9.99E-08	
1229	374800	3770950	6E-07	1229	374800	3770950	2.6E-07	1229	374800	3770950	2.5E-07	-9.13E-08	
1230	374850	3770950	5.6E-07	1230	374850	3770950	2.3E-07	1230	374850	3770950	2.3E-07	-9.78E-08	
1231	374900	3770950	5.1E-07	1231	374900	3770950	2E-07	1231	374900	3770950	2.1E-07	-9.65E-08	
1232	374950	3770950	4.9E-07	1232	374950	3770950	1.7E-07	1232	374950	3770950	2E-07	-1.21E-07	
1233	375000	3770950	5E-07	1233	375000	3770950	1.4E-07	1233	375000	3770950	1.9E-07	-1.63E-07	
1234	375050	3770950	4.5E-07	1234	375050	3770950	1.2E-07	1234	375050	3770950	1.8E-07	-1.49E-07	
1235	375100	3770950	4.1E-07	1235	375100	3770950	1E-07	1235	375100	3770950	1.7E-07	-1.44E-07	
1236	375150	3770950	4E-07	1236	375150	3770950	8.8E-08	1236	375150	3770950	1.6E-07	-1.52E-07	
1237	375200	3770950	3.7E-07	1237	375200	3770950	7.6E-08	1237	375200	3770950	1.5E-07	-1.48E-07	
1238	375250	3770950	3.5E-07	1238	375250	3770950	6.7E-08	1238	375250	3770950	1.4E-07	-1.47E-07	
1239	375300	3770950	3.4E-07	1239	375300	3770950	6E-08	1239	375300	3770950	1.3E-07	-1.50E-07	
1240	375350	3770950	3.3E-07	1240	375350	3770950	5.4E-08	1240	375350	3770950	1.2E-07	-1.52E-07	
1241	375400	3770950	3.1E-07	1241	375400	3770950	4.8E-08	1241	375400	3770950	1.2E-07	-1.48E-07	
1242	373900	3771000	3.8E-07	1242	373900	3771000	7.7E-08	1242	373900	3771000	5.5E-08	-2.46E-07	
1243	373950	3771000	4.4E-07	1243	373950	3771000	8.8E-08	1243	373950	3771000	6.1E-08	-2.91E-07	
1244	374000	3771000	5.4E-07	1244	374000	3771000	1E-07	1244	374000	3771000	6.8E-08	-3.67E-07	
1245	374050	3771000	6.9E-07	1245	374050	3771000	1.2E-07	1245	374050	3771000	7.7E-08	-4.90E-07	
1246	374100	3771000	9.2E-07	1246	374100	3771000	1.4E-07	1246	374100	3771000	8.9E-08	-6.96E-07	
1247	374150	3771000	1.3E-06	1247	374150	3771000	1.6E-07	1247	374150	3771000	1E-07	-1.02E-06	
1248	374200	3771000	1.8E-06	1248	374200	3771000	2E-07	1248	374200	3771000	1.2E-07	-1.52E-06	
1249	374250	3771000	2.6E-06	1249	374250	3771000	2.3E-07	1249	374250	3771000	1.5E-07	-2.21E-06	
1250	374300	3771000	3.3E-06	1250	374300	3771000	2.8E-07	1250	374300	3771000	1.7E-07	-2.89E-06	
1251	374350	3771000	3.9E-06	1251	374350	3771000	3.3E-07	1251	374350	3771000	2.1E-07	-3.32E-06	
1252	374400	3771000	3.9E-06	1252	374400	3771000	3.8E-07	1252	374400	3771000	2.4E-07	-3.32E-06	
1253	374450	3771000	3.7E-06	1253	374450	3771000	4.1E-07	1253	374450	3771000	2.9E-07	-2.97E-06	
1254	374500	3771000	3E-06	1254	374500	3771000	4.3E-07	1254	374500	3771000	3.4E-07	-2.24E-06	
1255	374550	3771000	2.2E-06	1255	374550	3771000	4.5E-07	1255	374550	3771000	3.9E-07	-1.32E-06	
1256	374600	3771000	1.4E-06	1256	374600	3771000	4.6E-07	1256	374600	3771000	4.1E-07	-5.37E-07	
1257	374650	3771000	1E-06	1257	374650	3771000	4.6E-07	1257	374650	3771000	4E-07	-1.57E-07	
1258	374700	3771000	8.3E-07	1258	374700	3771000	4.4E-07	1258	374700	3771000	3.8E-07	-3.05E-09	
1259	374750	3771000	7.2E-07	1259	374750	3771000	4.2E-07	1259	374750	3771000	3.4E-07	4.25E-08	
1260	374800	3771000	6.5E-07	1260	374800	3771000	3.7E-07	1260	374800	3771000	3.1E-07	3.42E-08	
1261	374850	3771000	6.2E-07	1261	374850	3771000	3.2E-07	1261	374850	3771000	2.9E-07	-8.20E-09	
1262	374900	3771000	5.6E-07	1262	374900	3771000	2.6E-07	1262	374900	3771000	2.6E-07	-3.20E-08	
1263	374950	3771000	5.4E-07	1263	374950	3771000	2.2E-07	1263	374950	3771000	2.4E-07	-7.95E-08	
1264	375000	3771000	5.4E-07	1264	375000	3771000	1.7E-07	1264	375000	3771000	2.3E-07	-1.42E-07	
1265	375050	3771000	4.8E-07	1265	375050	3771000	1.4E-07	1265	375050	3771000	2.1E-07	-1.34E-07	
1266	375100	3771000	4.4E-07	1266	375100	3771000	1.2E-07	1266	375100	3771000	1.9E-07	-1.37E-07	
1267	375150	3771000	4.3E-07	1267	375150	3771000	1E-07	1267	375150	3771000	1.8E-07	-1.52E-07	
1268	375200	3771000	4.1E-07	1268	375200	3771000	8.6E-08	1268	375200	3771000	1.7E-07	-1.54E-07	
1269	375250	3771000	3.9E-07	1269	375250	3771000	7.4E-08	1269	375250	3771000	1.6E-07	-1.56E-07	
1270	375300	3771000	3.7E-07	1270	375300	3771000	6.5E-08	1270	375300	3771000	1.5E-07	-1.57E-07	
1271	375350	3771000	3.6E-07	1271	375350	3771000	5.8E-08	1271	375350	3771000	1.4E-07	-1.61E-07	
1272	375400	3771000	3.4E-07	1272	375400	3771000	5.2E-08	1272	375400	3771000	1.3E-07	-1.60E-07	
1273	373900	3771050	3.5E-07	1273	373900	3771050	8.1E-08	1273	373900	3771050	5.5E-08	-2.10E-07	
1274	373950	3771050	3.9E-07	1274	373950	3771050	9.3E-08	1274	373950	3771050	6.1E-08	-2.36E-07	
1275	374000	3771050	4.5E-07	1275	374000	3771050	1.1E-07	1275	374000	3771050	6.8E-08	-2.75E-07	
1276	374050	3771050	5.5E-07	1276	374050	3771050	1.3E-07	1276	374050	3771050	7.8E-08	-3.42E-07	
1277	374100	3771050	7E-07	1277	374100	3771050	1.5E-07	1277	374100	3771050	8.9E-08	-4.57E-07	
1278	374150	3771050	9.5E-07	1278	374150	3771050	1.9E-07	1278	374150	3771050	1E-07	-6.63E-07	
1279	374200	3771050	1.4E-06	1279	374200	3771050	2.3E-07	1279	374200	3771050	1.3E-07	-1.03E-06	
1280	374250	3771050	2.1E-06	1280	374250	3771050	2.8E-07	1280	374250	3771050	1.5E-07	-1.65E-06	

Television City

Cancer Risk by Receptor

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Construction Exposure Parameters: 3-year exposure duration, 3rd trimester start age

Existing Operations			Max 1.23E-05	Construction			Max 6.27E-06	Project Operations			Max 7.41E-06	Incremental Increase	
No.	X	Y	Risk	No.	X	Y	Risk	No.	X	Y	Risk	Increase	Max
1281	375000	3771050	6E-07	1281	375000	3771050	2.2E-07	1281	375000	3771050	2.7E-07	-1.10E-07	
1282	375050	3771050	5.4E-07	1282	375050	3771050	1.7E-07	1282	375050	3771050	2.5E-07	-1.22E-07	
1283	375100	3771050	5E-07	1283	375100	3771050	1.4E-07	1283	375100	3771050	2.2E-07	-1.40E-07	
1284	375150	3771050	4.8E-07	1284	375150	3771050	1.1E-07	1284	375150	3771050	2.1E-07	-1.58E-07	
1285	375200	3771050	4.6E-07	1285	375200	3771050	9.7E-08	1285	375200	3771050	1.9E-07	-1.67E-07	
1286	375250	3771050	4.3E-07	1286	375250	3771050	8.4E-08	1286	375250	3771050	1.8E-07	-1.69E-07	
1287	375300	3771050	4.1E-07	1287	375300	3771050	7.3E-08	1287	375300	3771050	1.7E-07	-1.70E-07	
1288	375350	3771050	3.9E-07	1288	375350	3771050	6.4E-08	1288	375350	3771050	1.6E-07	-1.72E-07	
1289	375400	3771050	3.8E-07	1289	375400	3771050	5.7E-08	1289	375400	3771050	1.5E-07	-1.70E-07	
1290	373900	3771100	3.3E-07	1290	373900	3771100	8.4E-08	1290	373900	3771100	5.5E-08	-1.88E-07	
1291	373950	3771100	3.6E-07	1291	373950	3771100	9.8E-08	1291	373950	3771100	6.1E-08	-2.04E-07	
1292	374000	3771100	4.1E-07	1292	374000	3771100	1.2E-07	1292	374000	3771100	6.9E-08	-2.22E-07	
1293	374050	3771100	4.7E-07	1293	374050	3771100	1.4E-07	1293	374050	3771100	7.8E-08	-2.52E-07	
1294	374100	3771100	5.6E-07	1294	374100	3771100	1.7E-07	1294	374100	3771100	9.1E-08	-3.00E-07	
1295	374150	3771100	7.2E-07	1295	374150	3771100	2.1E-07	1295	374150	3771100	1.1E-07	-4.02E-07	
1296	374200	3771100	9.9E-07	1296	374200	3771100	2.7E-07	1296	374200	3771100	1.3E-07	-5.94E-07	
1297	374250	3771100	1.5E-06	1297	374250	3771100	3.4E-07	1297	374250	3771100	1.7E-07	-9.71E-07	
1298	375000	3771100	6.9E-07	1298	375000	3771100	2.8E-07	1298	375000	3771100	3.4E-07	-7.66E-08	
1299	375050	3771100	6.2E-07	1299	375050	3771100	2E-07	1299	375050	3771100	3E-07	-1.19E-07	
1300	375100	3771100	5.8E-07	1300	375100	3771100	1.6E-07	1300	375100	3771100	2.7E-07	-1.50E-07	
1301	375150	3771100	5.5E-07	1301	375150	3771100	1.3E-07	1301	375150	3771100	2.5E-07	-1.72E-07	
1302	375200	3771100	5.2E-07	1302	375200	3771100	1.1E-07	1302	375200	3771100	2.3E-07	-1.81E-07	
1303	375250	3771100	4.9E-07	1303	375250	3771100	9.5E-08	1303	375250	3771100	2.1E-07	-1.89E-07	
1304	375300	3771100	4.7E-07	1304	375300	3771100	8.2E-08	1304	375300	3771100	2E-07	-1.88E-07	
1305	375350	3771100	4.4E-07	1305	375350	3771100	7.2E-08	1305	375350	3771100	1.8E-07	-1.87E-07	
1306	375400	3771100	4.2E-07	1306	375400	3771100	6.3E-08	1306	375400	3771100	1.7E-07	-1.85E-07	
1307	373900	3771150	3.1E-07	1307	373900	3771150	8.7E-08	1307	373900	3771150	5.5E-08	-1.73E-07	
1308	373950	3771150	3.5E-07	1308	373950	3771150	1E-07	1308	373950	3771150	6.1E-08	-1.84E-07	
1309	374000	3771150	3.8E-07	1309	374000	3771150	1.2E-07	1309	374000	3771150	6.9E-08	-1.91E-07	
1310	374050	3771150	4.3E-07	1310	374050	3771150	1.5E-07	1310	374050	3771150	7.9E-08	-2.02E-07	
1311	374100	3771150	4.9E-07	1311	374100	3771150	1.8E-07	1311	374100	3771150	9.2E-08	-2.18E-07	
1312	374150	3771150	5.8E-07	1312	374150	3771150	2.3E-07	1312	374150	3771150	1.1E-07	-2.41E-07	
1313	374200	3771150	7.4E-07	1313	374200	3771150	3E-07	1313	374200	3771150	1.3E-07	-3.01E-07	
1314	374250	3771150	1E-06	1314	374250	3771150	4.1E-07	1314	374250	3771150	1.7E-07	-4.27E-07	
1315	375000	3771150	8.4E-07	1315	375000	3771150	3.5E-07	1315	375000	3771150	4.2E-07	-6.93E-08	
1316	375050	3771150	7.5E-07	1316	375050	3771150	2.5E-07	1316	375050	3771150	3.6E-07	-1.38E-07	
1317	375100	3771150	7E-07	1317	375100	3771150	1.9E-07	1317	375100	3771150	3.2E-07	-1.83E-07	
1318	375150	3771150	6.5E-07	1318	375150	3771150	1.6E-07	1318	375150	3771150	2.9E-07	-2.07E-07	
1319	375200	3771150	6.1E-07	1319	375200	3771150	1.3E-07	1319	375200	3771150	2.7E-07	-2.11E-07	
1320	375250	3771150	5.7E-07	1320	375250	3771150	1.1E-07	1320	375250	3771150	2.5E-07	-2.15E-07	
1321	375300	3771150	5.3E-07	1321	375300	3771150	9.2E-08	1321	375300	3771150	2.3E-07	-2.11E-07	
1322	375350	3771150	5E-07	1322	375350	3771150	8E-08	1322	375350	3771150	2.1E-07	-2.09E-07	
1323	375400	3771150	4.7E-07	1323	375400	3771150	7E-08	1323	375400	3771150	1.9E-07	-2.04E-07	
1324	373900	3771200	3.1E-07	1324	373900	3771200	8.8E-08	1324	373900	3771200	5.5E-08	-1.66E-07	
1325	373950	3771200	3.4E-07	1325	373950	3771200	1E-07	1325	373950	3771200	6.1E-08	-1.73E-07	
1326	374000	3771200	3.7E-07	1326	374000	3771200	1.2E-07	1326	374000	3771200	6.9E-08	-1.77E-07	
1327	374050	3771200	4.1E-07	1327	374050	3771200	1.5E-07	1327	374050	3771200	7.9E-08	-1.80E-07	
1328	374100	3771200	4.6E-07	1328	374100	3771200	1.9E-07	1328	374100	3771200	9.2E-08	-1.80E-07	
1329	374150	3771200	5.3E-07	1329	374150	3771200	2.5E-07	1329	374150	3771200	1.1E-07	-1.67E-07	
1330	374200	3771200	6.2E-07	1330	374200	3771200	3.4E-07	1330	374200	3771200	1.3E-07	-1.46E-07	
1331	374250	3771200	7.5E-07	1331	374250	3771200	4.8E-07	1331	374250	3771200	1.7E-07	-1.02E-07	
1332	375000	3771200	1E-06	1332	375000	3771200	4.3E-07	1332	375000	3771200	5.2E-07	-9.51E-08	
1333	375050	3771200	9.3E-07	1333	375050	3771200	3E-07	1333	375050	3771200	4.4E-07	-1.82E-07	
1334	375100	3771200	8.4E-07	1334	375100	3771200	2.3E-07	1334	375100	3771200	3.9E-07	-2.23E-07	
1335	375150	3771200	7.7E-07	1335	375150	3771200	1.8E-07	1335	375150	3771200	3.4E-07	-2.46E-07	
1336	375200	3771200	7E-07	1336	375200	3771200	1.5E-07	1336	375200	3771200	3.1E-07	-2.46E-07	
1337	375250	3771200	6.5E-07	1337	375250	3771200	1.2E-07	1337	375250	3771200	2.8E-07	-2.43E-07	
1338	375300	3771200	6E-07	1338	375300	3771200	1E-07	1338	375300	3771200	2.6E-07	-2.39E-07	
1339	375350	3771200	5.6E-07	1339	375350	3771200	9E-08	1339	375350	3771200	2.4E-07	-2.30E-07	
1340	375400	3771200	5.2E-07	1340	375400	3771200	7.8E-08	1340	375400	3771200	2.2E-07	-2.21E-07	
1341	373900	3771250	3E-07	1341	373900	3771250	8.9E-08	1341	373900	3771250	5.4E-08	-1.58E-07	
1342	373950	3771250	3.3E-07	1342	373950	3771250	1E-07	1342	373950	3771250	6E-08	-1.66E-07	
1343	374000	3771250	3.6E-07	1343	374000	3771250	1.3E-07	1343	374000	3771250	6.8E-08	-1.70E-07	
1344	374050	3771250	4E-07	1344	374050	3771250	1.6E-07	1344	374050	3771250	7.8E-08	-1.71E-07	

Television City

Cancer Risk by Receptor

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Construction Exposure Parameters: 3-year exposure duration, 3rd trimester start age

Existing Operations			Max 1.23E-05	Construction			Max 6.27E-06	Project Operations			Max 7.41E-06	Incremental Increase	
No.	X	Y	Risk	No.	X	Y	Risk	No.	X	Y	Risk	Increase	Max
1345	374100	3771250	4.5E-07	1345	374100	3771250	2E-07	1345	374100	3771250	9E-08	-1.62E-07	
1346	374150	3771250	5.1E-07	1346	374150	3771250	2.6E-07	1346	374150	3771250	1.1E-07	-1.40E-07	
1347	374200	3771250	5.8E-07	1347	374200	3771250	3.6E-07	1347	374200	3771250	1.3E-07	-8.88E-08	
1348	374250	3771250	6.7E-07	1348	374250	3771250	5.3E-07	1348	374250	3771250	1.6E-07	1.96E-08	
1349	375000	3771250	1.3E-06	1349	375000	3771250	4.9E-07	1349	375000	3771250	6.1E-07	-1.79E-07	
1350	375050	3771250	1.1E-06	1350	375050	3771250	3.5E-07	1350	375050	3771250	5.1E-07	-2.53E-07	
1351	375100	3771250	9.8E-07	1351	375100	3771250	2.7E-07	1351	375100	3771250	4.4E-07	-2.76E-07	
1352	375150	3771250	8.9E-07	1352	375150	3771250	2.1E-07	1352	375150	3771250	3.9E-07	-2.86E-07	
1353	375200	3771250	8E-07	1353	375200	3771250	1.7E-07	1353	375200	3771250	3.5E-07	-2.74E-07	
1354	375250	3771250	7.3E-07	1354	375250	3771250	1.4E-07	1354	375250	3771250	3.2E-07	-2.68E-07	
1355	375300	3771250	6.7E-07	1355	375300	3771250	1.2E-07	1355	375300	3771250	2.9E-07	-2.56E-07	
1356	375350	3771250	6.1E-07	1356	375350	3771250	1E-07	1356	375350	3771250	2.7E-07	-2.45E-07	
1357	375400	3771250	5.6E-07	1357	375400	3771250	8.6E-08	1357	375400	3771250	2.4E-07	-2.32E-07	
1358	373900	3771300	2.9E-07	1358	373900	3771300	8.8E-08	1358	373900	3771300	5.3E-08	-1.54E-07	
1359	373950	3771300	3.2E-07	1359	373950	3771300	1E-07	1359	373950	3771300	5.9E-08	-1.61E-07	
1360	374000	3771300	3.6E-07	1360	374000	3771300	1.3E-07	1360	374000	3771300	6.7E-08	-1.64E-07	
1361	374050	3771300	3.9E-07	1361	374050	3771300	1.6E-07	1361	374050	3771300	7.6E-08	-1.63E-07	
1362	374100	3771300	4.4E-07	1362	374100	3771300	2E-07	1362	374100	3771300	8.8E-08	-1.52E-07	
1363	374150	3771300	4.9E-07	1363	374150	3771300	2.6E-07	1363	374150	3771300	1E-07	-1.27E-07	
1364	374200	3771300	5.6E-07	1364	374200	3771300	3.6E-07	1364	374200	3771300	1.3E-07	-6.76E-08	
1365	374250	3771300	6.3E-07	1365	374250	3771300	5.4E-07	1365	374250	3771300	1.6E-07	7.57E-08	
1366	375000	3771300	1.5E-06	1366	375000	3771300	5.3E-07	1366	375000	3771300	6.7E-07	-2.85E-07	
1367	375050	3771300	1.3E-06	1367	375050	3771300	3.9E-07	1367	375050	3771300	5.7E-07	-3.09E-07	
1368	375100	3771300	1.1E-06	1368	375100	3771300	2.9E-07	1368	375100	3771300	4.9E-07	-3.12E-07	
1369	375150	3771300	9.7E-07	1369	375150	3771300	2.3E-07	1369	375150	3771300	4.3E-07	-3.06E-07	
1370	375200	3771300	8.6E-07	1370	375200	3771300	1.9E-07	1370	375200	3771300	3.9E-07	-2.91E-07	
1371	375250	3771300	7.8E-07	1371	375250	3771300	1.5E-07	1371	375250	3771300	3.5E-07	-2.83E-07	
1372	375300	3771300	7.1E-07	1372	375300	3771300	1.3E-07	1372	375300	3771300	3.1E-07	-2.67E-07	
1373	375350	3771300	6.5E-07	1373	375350	3771300	1.1E-07	1373	375350	3771300	2.9E-07	-2.56E-07	
1374	375400	3771300	6E-07	1374	375400	3771300	9.4E-08	1374	375400	3771300	2.6E-07	-2.39E-07	
1375	373900	3771350	2.8E-07	1375	373900	3771350	8.6E-08	1375	373900	3771350	5.1E-08	-1.46E-07	
1376	373950	3771350	3.1E-07	1376	373950	3771350	1E-07	1376	373950	3771350	5.7E-08	-1.52E-07	
1377	374000	3771350	3.4E-07	1377	374000	3771350	1.2E-07	1377	374000	3771350	6.4E-08	-1.55E-07	
1378	374050	3771350	3.7E-07	1378	374050	3771350	1.5E-07	1378	374050	3771350	7.3E-08	-1.50E-07	
1379	374100	3771350	4.1E-07	1379	374100	3771350	1.9E-07	1379	374100	3771350	8.5E-08	-1.38E-07	
1380	374150	3771350	4.6E-07	1380	374150	3771350	2.5E-07	1380	374150	3771350	9.9E-08	-1.08E-07	
1381	374200	3771350	5.1E-07	1381	374200	3771350	3.5E-07	1381	374200	3771350	1.2E-07	-4.40E-08	
1382	374250	3771350	5.7E-07	1382	374250	3771350	5.2E-07	1382	374250	3771350	1.5E-07	1.06E-07	
1383	375000	3771350	1.6E-06	1383	375000	3771350	5.3E-07	1383	375000	3771350	6.5E-07	-3.81E-07	
1384	375050	3771350	1.3E-06	1384	375050	3771350	4E-07	1384	375050	3771350	5.6E-07	-3.67E-07	
1385	375100	3771350	1.2E-06	1385	375100	3771350	3.1E-07	1385	375100	3771350	4.9E-07	-3.49E-07	
1386	375150	3771350	1E-06	1386	375150	3771350	2.5E-07	1386	375150	3771350	4.4E-07	-3.31E-07	
1387	375200	3771350	9E-07	1387	375200	3771350	2E-07	1387	375200	3771350	4E-07	-3.08E-07	
1388	375250	3771350	8.1E-07	1388	375250	3771350	1.7E-07	1388	375250	3771350	3.6E-07	-2.87E-07	
1389	375300	3771350	7.3E-07	1389	375300	3771350	1.4E-07	1389	375300	3771350	3.3E-07	-2.68E-07	
1390	375350	3771350	6.7E-07	1390	375350	3771350	1.2E-07	1390	375350	3771350	3E-07	-2.56E-07	
1391	375400	3771350	6.2E-07	1391	375400	3771350	1E-07	1391	375400	3771350	2.7E-07	-2.40E-07	
1392	373900	3771400	2.7E-07	1392	373900	3771400	8.3E-08	1392	373900	3771400	4.9E-08	-1.37E-07	
1393	373950	3771400	2.9E-07	1393	373950	3771400	9.7E-08	1393	373950	3771400	5.5E-08	-1.41E-07	
1394	374000	3771400	3.2E-07	1394	374000	3771400	1.2E-07	1394	374000	3771400	6.1E-08	-1.41E-07	
1395	374050	3771400	3.5E-07	1395	374050	3771400	1.4E-07	1395	374050	3771400	6.9E-08	-1.36E-07	
1396	374100	3771400	3.8E-07	1396	374100	3771400	1.8E-07	1396	374100	3771400	7.9E-08	-1.21E-07	
1397	374150	3771400	4.2E-07	1397	374150	3771400	2.3E-07	1397	374150	3771400	9.3E-08	-9.03E-08	
1398	374200	3771400	4.6E-07	1398	374200	3771400	3.2E-07	1398	374200	3771400	1.1E-07	-2.94E-08	
1399	374250	3771400	5E-07	1399	374250	3771400	4.7E-07	1399	374250	3771400	1.4E-07	1.05E-07	
1400	375000	3771400	1.5E-06	1400	375000	3771400	5.1E-07	1400	375000	3771400	5.8E-07	-4.42E-07	
1401	375050	3771400	1.3E-06	1401	375050	3771400	4E-07	1401	375050	3771400	5.1E-07	-4.13E-07	
1402	375100	3771400	1.2E-06	1402	375100	3771400	3.1E-07	1402	375100	3771400	4.6E-07	-3.76E-07	
1403	375150	3771400	1E-06	1403	375150	3771400	2.5E-07	1403	375150	3771400	4.2E-07	-3.41E-07	
1404	375200	3771400	9E-07	1404	375200	3771400	2.1E-07	1404	375200	3771400	3.8E-07	-3.16E-07	
1405	375250	3771400	8.1E-07	1405	375250	3771400	1.7E-07	1405	375250	3771400	3.5E-07	-2.93E-07	
1406	375300	3771400	7.4E-07	1406	375300	3771400	1.5E-07	1406	375300	3771400	3.2E-07	-2.73E-07	
1407	375350	3771400	6.8E-07	1407	375350	3771400	1.2E-07	1407	375350	3771400	2.9E-07	-2.57E-07	
1408	375400	3771400	6.2E-07	1408	375400	3771400	1.1E-07	1408	375400	3771400	2.7E-07	-2.44E-07	

Television City

Cancer Risk by Receptor

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Construction Exposure Parameters: 3-year exposure duration, 3rd trimester start age

Existing Operations			Max 1.23E-05	Construction			Max 6.27E-06	Project Operations			Max 7.41E-06	Incremental Increase	
No.	X	Y	Risk	No.	X	Y	Risk	No.	X	Y	Risk	Increase	Max
1409	373900	3771450	2.5E-07	1409	373900	3771450	7.9E-08	1409	373900	3771450	4.7E-08	-1.28E-07	
1410	373950	3771450	2.7E-07	1410	373950	3771450	9.2E-08	1410	373950	3771450	5.2E-08	-1.29E-07	
1411	374000	3771450	3E-07	1411	374000	3771450	1.1E-07	1411	374000	3771450	5.8E-08	-1.29E-07	
1412	374050	3771450	3.2E-07	1412	374050	3771450	1.3E-07	1412	374050	3771450	6.6E-08	-1.24E-07	
1413	374100	3771450	3.5E-07	1413	374100	3771450	1.6E-07	1413	374100	3771450	7.5E-08	-1.11E-07	
1414	374150	3771450	3.8E-07	1414	374150	3771450	2.1E-07	1414	374150	3771450	8.7E-08	-8.44E-08	
1415	374200	3771450	4.2E-07	1415	374200	3771450	2.8E-07	1415	374200	3771450	1.1E-07	-3.49E-08	
1416	374250	3771450	4.6E-07	1416	374250	3771450	4E-07	1416	374250	3771450	1.3E-07	6.52E-08	
1417	375000	3771450	1.4E-06	1417	375000	3771450	4.8E-07	1417	375000	3771450	4.9E-07	-4.16E-07	
1418	375050	3771450	1.2E-06	1418	375050	3771450	3.8E-07	1418	375050	3771450	4.4E-07	-4.20E-07	
1419	375100	3771450	1.1E-06	1419	375100	3771450	3.1E-07	1419	375100	3771450	4E-07	-3.91E-07	
1420	375150	3771450	9.8E-07	1420	375150	3771450	2.5E-07	1420	375150	3771450	3.7E-07	-3.62E-07	
1421	375200	3771450	8.8E-07	1421	375200	3771450	2.1E-07	1421	375200	3771450	3.4E-07	-3.29E-07	
1422	375250	3771450	7.9E-07	1422	375250	3771450	1.7E-07	1422	375250	3771450	3.2E-07	-3.01E-07	
1423	375300	3771450	7.2E-07	1423	375300	3771450	1.5E-07	1423	375300	3771450	3E-07	-2.77E-07	
1424	375350	3771450	6.6E-07	1424	375350	3771450	1.3E-07	1424	375350	3771450	2.7E-07	-2.61E-07	
1425	375400	3771450	6.1E-07	1425	375400	3771450	1.1E-07	1425	375400	3771450	2.5E-07	-2.45E-07	
1426	373900	3771500	2.4E-07	1426	373900	3771500	7.4E-08	1426	373900	3771500	4.5E-08	-1.22E-07	
1427	373950	3771500	2.6E-07	1427	373950	3771500	8.6E-08	1427	373950	3771500	5E-08	-1.24E-07	
1428	374000	3771500	2.8E-07	1428	374000	3771500	1E-07	1428	374000	3771500	5.5E-08	-1.23E-07	
1429	374050	3771500	3E-07	1429	374050	3771500	1.2E-07	1429	374050	3771500	6.2E-08	-1.19E-07	
1430	374100	3771500	3.3E-07	1430	374100	3771500	1.5E-07	1430	374100	3771500	7.1E-08	-1.10E-07	
1431	374150	3771500	3.6E-07	1431	374150	3771500	1.9E-07	1431	374150	3771500	8.3E-08	-8.99E-08	
1432	374200	3771500	4E-07	1432	374200	3771500	2.4E-07	1432	374200	3771500	9.9E-08	-5.71E-08	
1433	374250	3771500	4.4E-07	1433	374250	3771500	3.2E-07	1433	374250	3771500	1.3E-07	9.31E-09	
1434	375000	3771500	1.2E-06	1434	375000	3771500	4.3E-07	1434	375000	3771500	3.9E-07	-3.42E-07	
1435	375050	3771500	1.1E-06	1435	375050	3771500	3.5E-07	1435	375050	3771500	3.6E-07	-3.74E-07	
1436	375100	3771500	1E-06	1436	375100	3771500	2.9E-07	1436	375100	3771500	3.4E-07	-3.68E-07	
1437	375150	3771500	9.1E-07	1437	375150	3771500	2.4E-07	1437	375150	3771500	3.2E-07	-3.54E-07	
1438	375200	3771500	8.3E-07	1438	375200	3771500	2E-07	1438	375200	3771500	3E-07	-3.25E-07	
1439	375250	3771500	7.5E-07	1439	375250	3771500	1.7E-07	1439	375250	3771500	2.8E-07	-3.01E-07	
1440	375300	3771500	6.9E-07	1440	375300	3771500	1.5E-07	1440	375300	3771500	2.7E-07	-2.79E-07	
1441	375350	3771500	6.3E-07	1441	375350	3771500	1.3E-07	1441	375350	3771500	2.5E-07	-2.58E-07	
1442	375400	3771500	5.8E-07	1442	375400	3771500	1.1E-07	1442	375400	3771500	2.3E-07	-2.39E-07	
1443	373900	3771550	2.3E-07	1443	373900	3771550	6.9E-08	1443	373900	3771550	4.3E-08	-1.18E-07	
1444	373950	3771550	2.5E-07	1444	373950	3771550	8E-08	1444	373950	3771550	4.8E-08	-1.20E-07	
1445	374000	3771550	2.7E-07	1445	374000	3771550	9.3E-08	1445	374000	3771550	5.3E-08	-1.20E-07	
1446	374050	3771550	2.9E-07	1446	374050	3771550	1.1E-07	1446	374050	3771550	5.9E-08	-1.17E-07	
1447	374100	3771550	3.1E-07	1447	374100	3771550	1.3E-07	1447	374100	3771550	6.7E-08	-1.11E-07	
1448	374150	3771550	3.4E-07	1448	374150	3771550	1.6E-07	1448	374150	3771550	7.8E-08	-9.71E-08	
1449	374200	3771550	3.7E-07	1449	374200	3771550	2E-07	1449	374200	3771550	9.4E-08	-7.42E-08	
1450	374250	3771550	4.1E-07	1450	374250	3771550	2.6E-07	1450	374250	3771550	1.2E-07	-2.90E-08	
1451	374300	3771550	4.4E-07	1451	374300	3771550	3.4E-07	1451	374300	3771550	1.6E-07	5.87E-08	
1452	374350	3771550	4.8E-07	1452	374350	3771550	4.7E-07	1452	374350	3771550	2.3E-07	2.16E-07	
1453	374400	3771550	5.3E-07	1453	374400	3771550	6.2E-07	1453	374400	3771550	3.2E-07	4.15E-07	
1454	374450	3771550	6.2E-07	1454	374450	3771550	7.5E-07	1454	374450	3771550	4.4E-07	5.77E-07	
1455	374500	3771550	8E-07	1455	374500	3771550	8.8E-07	1455	374500	3771550	5E-07	5.80E-07	
1456	374550	3771550	1.1E-06	1456	374550	3771550	9.8E-07	1456	374550	3771550	5.1E-07	3.87E-07	
1457	374600	3771550	1.5E-06	1457	374600	3771550	1E-06	1457	374600	3771550	4.8E-07	5.53E-08	
1458	374650	3771550	1.7E-06	1458	374650	3771550	1E-06	1458	374650	3771550	4.4E-07	-2.16E-07	
1459	374700	3771550	1.7E-06	1459	374700	3771550	1E-06	1459	374700	3771550	4.3E-07	-2.50E-07	
1460	374750	3771550	1.6E-06	1460	374750	3771550	9.2E-07	1460	374750	3771550	4.2E-07	-2.62E-07	
1461	374800	3771550	1.4E-06	1461	374800	3771550	8E-07	1461	374800	3771550	4.1E-07	-2.21E-07	
1462	374850	3771550	1.3E-06	1462	374850	3771550	6.8E-07	1462	374850	3771550	3.9E-07	-1.93E-07	
1463	374900	3771550	1.1E-06	1463	374900	3771550	5.6E-07	1463	374900	3771550	3.6E-07	-2.04E-07	
1464	374950	3771550	1E-06	1464	374950	3771550	4.6E-07	1464	374950	3771550	3.4E-07	-2.40E-07	
1465	375000	3771550	9.7E-07	1465	375000	3771550	3.8E-07	1465	375000	3771550	3.2E-07	-2.77E-07	
1466	375050	3771550	9.3E-07	1466	375050	3771550	3.2E-07	1466	375050	3771550	3E-07	-3.11E-07	
1467	375100	3771550	8.6E-07	1467	375100	3771550	2.7E-07	1467	375100	3771550	2.8E-07	-3.19E-07	
1468	375150	3771550	8.2E-07	1468	375150	3771550	2.3E-07	1468	375150	3771550	2.6E-07	-3.26E-07	
1469	375200	3771550	7.5E-07	1469	375200	3771550	1.9E-07	1469	375200	3771550	2.5E-07	-3.09E-07	
1470	375250	3771550	7E-07	1470	375250	3771550	1.7E-07	1470	375250	3771550	2.4E-07	-2.94E-07	
1471	375300	3771550	6.5E-07	1471	375300	3771550	1.4E-07	1471	375300	3771550	2.3E-07	-2.75E-07	
1472	375350	3771550	6E-07	1472	375350	3771550	1.3E-07	1472	375350	3771550	2.2E-07	-2.56E-07	

Television City

Cancer Risk by Receptor

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Construction Exposure Parameters: 3-year exposure duration, 3rd trimester start age

Existing Operations			Max 1.23E-05	Construction			Max 6.27E-06	Project Operations			Max 7.41E-06	Incremental Increase	
No.	X	Y	Risk	No.	X	Y	Risk	No.	X	Y	Risk	Increase	Max
1473	375400	3771550	5.6E-07	1473	375400	3771550	1.1E-07	1473	375400	3771550	2.1E-07	-2.38E-07	
1474	373900	3771600	2.2E-07	1474	373900	3771600	6.4E-08	1474	373900	3771600	4.2E-08	-1.14E-07	
1475	373950	3771600	2.3E-07	1475	373950	3771600	7.4E-08	1475	373950	3771600	4.6E-08	-1.15E-07	
1476	374000	3771600	2.5E-07	1476	374000	3771600	8.5E-08	1476	374000	3771600	5.1E-08	-1.17E-07	
1477	374050	3771600	2.7E-07	1477	374050	3771600	9.9E-08	1477	374050	3771600	5.7E-08	-1.16E-07	
1478	374100	3771600	2.9E-07	1478	374100	3771600	1.2E-07	1478	374100	3771600	6.4E-08	-1.12E-07	
1479	374150	3771600	3.2E-07	1479	374150	3771600	1.4E-07	1479	374150	3771600	7.4E-08	-1.04E-07	
1480	374200	3771600	3.5E-07	1480	374200	3771600	1.7E-07	1480	374200	3771600	8.9E-08	-8.79E-08	
1481	374250	3771600	3.8E-07	1481	374250	3771600	2.1E-07	1481	374250	3771600	1.1E-07	-5.36E-08	
1482	374300	3771600	4.1E-07	1482	374300	3771600	2.6E-07	1482	374300	3771600	1.5E-07	6.89E-09	
1483	374350	3771600	4.4E-07	1483	374350	3771600	3.3E-07	1483	374350	3771600	2.1E-07	1.01E-07	
1484	374400	3771600	4.9E-07	1484	374400	3771600	4.2E-07	1484	374400	3771600	2.8E-07	2.13E-07	
1485	374450	3771600	5.7E-07	1485	374450	3771600	5.1E-07	1485	374450	3771600	3.8E-07	3.16E-07	
1486	374500	3771600	7.2E-07	1486	374500	3771600	5.9E-07	1486	374500	3771600	4.4E-07	3.04E-07	
1487	374550	3771600	9.4E-07	1487	374550	3771600	6.5E-07	1487	374550	3771600	4.4E-07	1.56E-07	
1488	374600	3771600	1.2E-06	1488	374600	3771600	6.9E-07	1488	374600	3771600	4.2E-07	-9.93E-08	
1489	374650	3771600	1.4E-06	1489	374650	3771600	7.1E-07	1489	374650	3771600	3.8E-07	-3.20E-07	
1490	374700	3771600	1.4E-06	1490	374700	3771600	6.9E-07	1490	374700	3771600	3.6E-07	-3.74E-07	
1491	374750	3771600	1.4E-06	1491	374750	3771600	6.5E-07	1491	374750	3771600	3.4E-07	-3.64E-07	
1492	374800	3771600	1.2E-06	1492	374800	3771600	5.9E-07	1492	374800	3771600	3.3E-07	-3.03E-07	
1493	374850	3771600	1.1E-06	1493	374850	3771600	5.2E-07	1493	374850	3771600	3.1E-07	-2.45E-07	
1494	374900	3771600	9.6E-07	1494	374900	3771600	4.5E-07	1494	374900	3771600	2.9E-07	-2.12E-07	
1495	374950	3771600	8.7E-07	1495	374950	3771600	3.9E-07	1495	374950	3771600	2.8E-07	-2.14E-07	
1496	375000	3771600	8.2E-07	1496	375000	3771600	3.3E-07	1496	375000	3771600	2.6E-07	-2.32E-07	
1497	375050	3771600	7.8E-07	1497	375050	3771600	2.8E-07	1497	375050	3771600	2.5E-07	-2.53E-07	
1498	375100	3771600	7.4E-07	1498	375100	3771600	2.4E-07	1498	375100	3771600	2.3E-07	-2.63E-07	
1499	375150	3771600	7.1E-07	1499	375150	3771600	2.1E-07	1499	375150	3771600	2.2E-07	-2.76E-07	
1500	375200	3771600	6.6E-07	1500	375200	3771600	1.8E-07	1500	375200	3771600	2.1E-07	-2.70E-07	
1501	375250	3771600	6.3E-07	1501	375250	3771600	1.6E-07	1501	375250	3771600	2E-07	-2.70E-07	
1502	375300	3771600	5.9E-07	1502	375300	3771600	1.4E-07	1502	375300	3771600	2E-07	-2.60E-07	
1503	375350	3771600	5.6E-07	1503	375350	3771600	1.2E-07	1503	375350	3771600	1.9E-07	-2.49E-07	
1504	375400	3771600	5.2E-07	1504	375400	3771600	1.1E-07	1504	375400	3771600	1.8E-07	-2.33E-07	
1505	373900	3771650	2.1E-07	1505	373900	3771650	6E-08	1505	373900	3771650	4.1E-08	-1.10E-07	
1506	373950	3771650	2.2E-07	1506	373950	3771650	6.8E-08	1506	373950	3771650	4.4E-08	-1.12E-07	
1507	374000	3771650	2.4E-07	1507	374000	3771650	7.7E-08	1507	374000	3771650	4.9E-08	-1.13E-07	
1508	374050	3771650	2.6E-07	1508	374050	3771650	8.9E-08	1508	374050	3771650	5.4E-08	-1.13E-07	
1509	374100	3771650	2.8E-07	1509	374100	3771650	1E-07	1509	374100	3771650	6.1E-08	-1.12E-07	
1510	374150	3771650	3E-07	1510	374150	3771650	1.2E-07	1510	374150	3771650	7.1E-08	-1.08E-07	
1511	374200	3771650	3.2E-07	1511	374200	3771650	1.4E-07	1511	374200	3771650	8.5E-08	-9.37E-08	
1512	374250	3771650	3.4E-07	1512	374250	3771650	1.7E-07	1512	374250	3771650	1.1E-07	-6.40E-08	
1513	374300	3771650	3.7E-07	1513	374300	3771650	2.1E-07	1513	374300	3771650	1.4E-07	-1.77E-08	
1514	374350	3771650	4E-07	1514	374350	3771650	2.6E-07	1514	374350	3771650	1.9E-07	4.37E-08	
1515	374400	3771650	4.5E-07	1515	374400	3771650	3.1E-07	1515	374400	3771650	2.5E-07	1.13E-07	
1516	374450	3771650	5.2E-07	1516	374450	3771650	3.7E-07	1516	374450	3771650	3.3E-07	1.71E-07	
1517	374500	3771650	6.5E-07	1517	374500	3771650	4.2E-07	1517	374500	3771650	3.8E-07	1.54E-07	
1518	374550	3771650	8.2E-07	1518	374550	3771650	4.7E-07	1518	374550	3771650	3.9E-07	4.22E-08	
1519	374600	3771650	1E-06	1519	374600	3771650	5E-07	1519	374600	3771650	3.7E-07	-1.50E-07	
1520	374650	3771650	1.2E-06	1520	374650	3771650	5.1E-07	1520	374650	3771650	3.4E-07	-3.37E-07	
1521	374700	3771650	1.2E-06	1521	374700	3771650	5.1E-07	1521	374700	3771650	3.2E-07	-3.99E-07	
1522	374750	3771650	1.2E-06	1522	374750	3771650	4.9E-07	1522	374750	3771650	3E-07	-3.93E-07	
1523	374800	3771650	1.1E-06	1523	374800	3771650	4.5E-07	1523	374800	3771650	2.8E-07	-3.34E-07	
1524	374850	3771650	9.5E-07	1524	374850	3771650	4.1E-07	1524	374850	3771650	2.6E-07	-2.71E-07	
1525	374900	3771650	8.4E-07	1525	374900	3771650	3.7E-07	1525	374900	3771650	2.5E-07	-2.27E-07	
1526	374950	3771650	7.6E-07	1526	374950	3771650	3.2E-07	1526	374950	3771650	2.3E-07	-2.06E-07	
1527	375000	3771650	7.1E-07	1527	375000	3771650	2.8E-07	1527	375000	3771650	2.2E-07	-2.07E-07	
1528	375050	3771650	6.7E-07	1528	375050	3771650	2.5E-07	1528	375050	3771650	2.1E-07	-2.14E-07	
1529	375100	3771650	6.4E-07	1529	375100	3771650	2.2E-07	1529	375100	3771650	2E-07	-2.24E-07	
1530	375150	3771650	6.1E-07	1530	375150	3771650	1.9E-07	1530	375150	3771650	1.9E-07	-2.33E-07	
1531	375200	3771650	5.9E-07	1531	375200	3771650	1.7E-07	1531	375200	3771650	1.8E-07	-2.38E-07	
1532	375250	3771650	5.6E-07	1532	375250	3771650	1.5E-07	1532	375250	3771650	1.8E-07	-2.38E-07	
1533	375300	3771650	5.3E-07	1533	375300	3771650	1.3E-07	1533	375300	3771650	1.7E-07	-2.35E-07	
1534	375350	3771650	5.1E-07	1534	375350	3771650	1.2E-07	1534	375350	3771650	1.6E-07	-2.31E-07	
1535	375400	3771650	4.8E-07	1535	375400	3771650	1E-07	1535	375400	3771650	1.6E-07	-2.21E-07	
1536	373900	3771700	2E-07	1536	373900	3771700	5.6E-08	1536	373900	3771700	4E-08	-1.06E-07	

Television City

Cancer Risk by Receptor

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Construction Exposure Parameters: 3-year exposure duration, 3rd trimester start age

Existing Operations	Max 1.23E-05	Construction	Max 6.27E-06	Project Operations	Max 7.41E-06	Incremental Increase	

No.	X	Y	Risk	No.	X	Y	Risk	No.	X	Y	Risk	Increase	Max
1537	373950	3771700	2.1E-07	1537	373950	3771700	6.2E-08	1537	373950	3771700	4.3E-08	-1.09E-07	
1538	374000	3771700	2.3E-07	1538	374000	3771700	7E-08	1538	374000	3771700	4.7E-08	-1.11E-07	
1539	374050	3771700	2.4E-07	1539	374050	3771700	8E-08	1539	374050	3771700	5.2E-08	-1.13E-07	
1540	374100	3771700	2.6E-07	1540	374100	3771700	9.1E-08	1540	374100	3771700	5.9E-08	-1.13E-07	
1541	374150	3771700	2.8E-07	1541	374150	3771700	1.1E-07	1541	374150	3771700	6.8E-08	-1.08E-07	
1542	374200	3771700	2.9E-07	1542	374200	3771700	1.2E-07	1542	374200	3771700	8.1E-08	-9.05E-08	
1543	374250	3771700	3.1E-07	1543	374250	3771700	1.4E-07	1543	374250	3771700	1E-07	-6.77E-08	
1544	374300	3771700	3.3E-07	1544	374300	3771700	1.7E-07	1544	374300	3771700	1.3E-07	-2.69E-08	
1545	374350	3771700	3.6E-07	1545	374350	3771700	2E-07	1545	374350	3771700	1.7E-07	1.44E-08	
1546	374400	3771700	4E-07	1546	374400	3771700	2.4E-07	1546	374400	3771700	2.2E-07	5.62E-08	
1547	374450	3771700	4.7E-07	1547	374450	3771700	2.8E-07	1547	374450	3771700	2.9E-07	9.50E-08	
1548	374500	3771700	5.7E-07	1548	374500	3771700	3.2E-07	1548	374500	3771700	3.4E-07	8.11E-08	
1549	374550	3771700	7E-07	1549	374550	3771700	3.5E-07	1549	374550	3771700	3.5E-07	-4.81E-09	
1550	374600	3771700	8.5E-07	1550	374600	3771700	3.7E-07	1550	374600	3771700	3.3E-07	-1.48E-07	
1551	374650	3771700	1E-06	1551	374650	3771700	3.9E-07	1551	374650	3771700	3.1E-07	-3.06E-07	
1552	374700	3771700	1E-06	1552	374700	3771700	3.9E-07	1552	374700	3771700	2.8E-07	-3.68E-07	
1553	374750	3771700	1E-06	1553	374750	3771700	3.8E-07	1553	374750	3771700	2.6E-07	-3.73E-07	
1554	374800	3771700	9.2E-07	1554	374800	3771700	3.6E-07	1554	374800	3771700	2.5E-07	-3.22E-07	
1555	374850	3771700	8.3E-07	1555	374850	3771700	3.3E-07	1555	374850	3771700	2.3E-07	-2.70E-07	
1556	374900	3771700	7.4E-07	1556	374900	3771700	3E-07	1556	374900	3771700	2.1E-07	-2.23E-07	
1557	374950	3771700	6.7E-07	1557	374950	3771700	2.7E-07	1557	374950	3771700	2E-07	-1.99E-07	
1558	375000	3771700	6.2E-07	1558	375000	3771700	2.4E-07	1558	375000	3771700	1.9E-07	-1.85E-07	
1559	375050	3771700	5.8E-07	1559	375050	3771700	2.1E-07	1559	375050	3771700	1.8E-07	-1.86E-07	
1560	375100	3771700	5.5E-07	1560	375100	3771700	1.9E-07	1560	375100	3771700	1.7E-07	-1.87E-07	
1561	375150	3771700	5.3E-07	1561	375150	3771700	1.7E-07	1561	375150	3771700	1.6E-07	-1.95E-07	
1562	375200	3771700	5E-07	1562	375200	3771700	1.5E-07	1562	375200	3771700	1.6E-07	-1.95E-07	
1563	375250	3771700	4.9E-07	1563	375250	3771700	1.3E-07	1563	375250	3771700	1.5E-07	-1.99E-07	
1564	375300	3771700	4.7E-07	1564	375300	3771700	1.2E-07	1564	375300	3771700	1.5E-07	-2.02E-07	
1565	375350	3771700	4.5E-07	1565	375350	3771700	1.1E-07	1565	375350	3771700	1.4E-07	-2.01E-07	
1566	375400	3771700	4.3E-07	1566	375400	3771700	9.8E-08	1566	375400	3771700	1.4E-07	-1.95E-07	
1567	373900	3771750	1.9E-07	1567	373900	3771750	5.2E-08	1567	373900	3771750	3.8E-08	-1.03E-07	
1568	373950	3771750	2E-07	1568	373950	3771750	5.7E-08	1568	373950	3771750	4.2E-08	-1.06E-07	
1569	374000	3771750	2.2E-07	1569	374000	3771750	6.4E-08	1569	374000	3771750	4.5E-08	-1.09E-07	
1570	374050	3771750	2.3E-07	1570	374050	3771750	7.2E-08	1570	374050	3771750	5E-08	-1.11E-07	
1571	374100	3771750	2.5E-07	1571	374100	3771750	8.1E-08	1571	374100	3771750	5.6E-08	-1.09E-07	
1572	374150	3771750	2.6E-07	1572	374150	3771750	9.2E-08	1572	374150	3771750	6.5E-08	-1.01E-07	
1573	374200	3771750	2.7E-07	1573	374200	3771750	1.1E-07	1573	374200	3771750	7.7E-08	-8.73E-08	
1574	374250	3771750	2.8E-07	1574	374250	3771750	1.2E-07	1574	374250	3771750	9.5E-08	-6.16E-08	
1575	374300	3771750	3E-07	1575	374300	3771750	1.4E-07	1575	374300	3771750	1.2E-07	-3.50E-08	
1576	374350	3771750	3.3E-07	1576	374350	3771750	1.6E-07	1576	374350	3771750	1.6E-07	-4.27E-09	
1577	374400	3771750	3.7E-07	1577	374400	3771750	1.9E-07	1577	374400	3771750	2E-07	2.32E-08	
1578	374450	3771750	4.3E-07	1578	374450	3771750	2.2E-07	1578	374450	3771750	2.5E-07	4.60E-08	
1579	374500	3771750	5.1E-07	1579	374500	3771750	2.5E-07	1579	374500	3771750	3E-07	4.13E-08	
1580	374550	3771750	6.1E-07	1580	374550	3771750	2.7E-07	1580	374550	3771750	3.2E-07	-2.04E-08	
1581	374600	3771750	7.3E-07	1581	374600	3771750	2.9E-07	1581	374600	3771750	3E-07	-1.36E-07	
1582	374650	3771750	8.4E-07	1582	374650	3771750	3E-07	1582	374650	3771750	2.8E-07	-2.61E-07	
1583	374700	3771750	8.9E-07	1583	374700	3771750	3E-07	1583	374700	3771750	2.6E-07	-3.30E-07	
1584	374750	3771750	8.8E-07	1584	374750	3771750	3E-07	1584	374750	3771750	2.4E-07	-3.41E-07	
1585	374800	3771750	8.1E-07	1585	374800	3771750	2.9E-07	1585	374800	3771750	2.2E-07	-3.05E-07	
1586	374850	3771750	7.4E-07	1586	374850	3771750	2.7E-07	1586	374850	3771750	2.1E-07	-2.65E-07	
1587	374900	3771750	6.6E-07	1587	374900	3771750	2.5E-07	1587	374900	3771750	1.9E-07	-2.21E-07	
1588	374950	3771750	6E-07	1588	374950	3771750	2.3E-07	1588	374950	3771750	1.8E-07	-1.92E-07	
1589	375000	3771750	5.5E-07	1589	375000	3771750	2.1E-07	1589	375000	3771750	1.7E-07	-1.75E-07	
1590	375050	3771750	5.2E-07	1590	375050	3771750	1.9E-07	1590	375050	3771750	1.6E-07	-1.70E-07	
1591	375100	3771750	4.8E-07	1591	375100	3771750	1.7E-07	1591	375100	3771750	1.5E-07	-1.65E-07	
1592	375150	3771750	4.7E-07	1592	375150	3771750	1.5E-07	1592	375150	3771750	1.5E-07	-1.71E-07	
1593	375200	3771750	4.4E-07	1593	375200	3771750	1.4E-07	1593	375200	3771750	1.4E-07	-1.68E-07	
1594	375250	3771750	4.3E-07	1594	375250	3771750	1.2E-07	1594	375250	3771750	1.3E-07	-1.71E-07	
1595	375300	3771750	4.1E-07	1595	375300	3771750	1.1E-07	1595	375300	3771750	1.3E-07	-1.73E-07	
1596	375350	3771750	4E-07	1596	375350	3771750	1E-07	1596	375350	3771750	1.2E-07	-1.76E-07	
1597	375400	3771750	3.9E-07	1597	375400	3771750	9.2E-08	1597	375400	3771750	1.2E-07	-1.75E-07	
1598	373900	3771800	1.9E-07	1598	373900	3771800	4.8E-08	1598	373900	3771800	3.7E-08	-1.00E-07	
1599	373950	3771800	2E-07	1599	373950	3771800	5.3E-08	1599	373950	3771800	4E-08	-1.03E-07	
1600	374000	3771800	2.1E-07	1600	374000	3771800	5.8E-08	1600	374000	3771800	4.4E-08	-1.06E-07	

Television City

Cancer Risk by Receptor

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Construction Exposure Parameters: 3-year exposure duration, 3rd trimester start age

Existing Operations			Max 1.23E-05	Construction			Max 6.27E-06	Project Operations			Max 7.41E-06	Incremental Increase	
No.	X	Y	Risk	No.	X	Y	Risk	No.	X	Y	Risk	Increase	Max
1601	374050	3771800	2.2E-07	1601	374050	3771800	6.5E-08	1601	374050	3771800	4.8E-08	-1.09E-07	
1602	374100	3771800	2.3E-07	1602	374100	3771800	7.3E-08	1602	374100	3771800	5.4E-08	-1.06E-07	
1603	374150	3771800	2.4E-07	1603	374150	3771800	8.1E-08	1603	374150	3771800	6.2E-08	-9.58E-08	
1604	374200	3771800	2.5E-07	1604	374200	3771800	9.2E-08	1604	374200	3771800	7.3E-08	-8.15E-08	
1605	374250	3771800	2.6E-07	1605	374250	3771800	1E-07	1605	374250	3771800	9E-08	-6.28E-08	
1606	374300	3771800	2.7E-07	1606	374300	3771800	1.2E-07	1606	374300	3771800	1.1E-07	-4.09E-08	
1607	374350	3771800	3E-07	1607	374350	3771800	1.4E-07	1607	374350	3771800	1.4E-07	-1.84E-08	
1608	374400	3771800	3.4E-07	1608	374400	3771800	1.6E-07	1608	374400	3771800	1.8E-07	6.30E-10	
1609	374450	3771800	3.9E-07	1609	374450	3771800	1.8E-07	1609	374450	3771800	2.3E-07	1.67E-08	
1610	374500	3771800	4.5E-07	1610	374500	3771800	2E-07	1610	374500	3771800	2.7E-07	1.35E-08	
1611	374550	3771800	5.3E-07	1611	374550	3771800	2.2E-07	1611	374550	3771800	2.9E-07	-2.75E-08	
1612	374600	3771800	6.2E-07	1612	374600	3771800	2.3E-07	1612	374600	3771800	2.8E-07	-1.11E-07	
1613	374650	3771800	7.2E-07	1613	374650	3771800	2.4E-07	1613	374650	3771800	2.6E-07	-2.16E-07	
1614	374700	3771800	7.7E-07	1614	374700	3771800	2.4E-07	1614	374700	3771800	2.4E-07	-2.85E-07	
1615	374750	3771800	7.7E-07	1615	374750	3771800	2.4E-07	1615	374750	3771800	2.2E-07	-3.05E-07	
1616	374800	3771800	7.2E-07	1616	374800	3771800	2.4E-07	1616	374800	3771800	2E-07	-2.82E-07	
1617	374850	3771800	6.6E-07	1617	374850	3771800	2.2E-07	1617	374850	3771800	1.9E-07	-2.50E-07	
1618	374900	3771800	6E-07	1618	374900	3771800	2.1E-07	1618	374900	3771800	1.7E-07	-2.12E-07	
1619	374950	3771800	5.4E-07	1619	374950	3771800	1.9E-07	1619	374950	3771800	1.6E-07	-1.86E-07	
1620	375000	3771800	4.9E-07	1620	375000	3771800	1.8E-07	1620	375000	3771800	1.5E-07	-1.65E-07	
1621	375050	3771800	4.7E-07	1621	375050	3771800	1.6E-07	1621	375050	3771800	1.4E-07	-1.59E-07	
1622	375100	3771800	4.4E-07	1622	375100	3771800	1.5E-07	1622	375100	3771800	1.4E-07	-1.52E-07	
1623	375150	3771800	4.2E-07	1623	375150	3771800	1.4E-07	1623	375150	3771800	1.3E-07	-1.53E-07	
1624	375200	3771800	4E-07	1624	375200	3771800	1.2E-07	1624	375200	3771800	1.2E-07	-1.49E-07	
1625	375250	3771800	3.8E-07	1625	375250	3771800	1.1E-07	1625	375250	3771800	1.2E-07	-1.49E-07	
1626	375300	3771800	3.7E-07	1626	375300	3771800	1E-07	1626	375300	3771800	1.1E-07	-1.51E-07	
1627	375350	3771800	3.6E-07	1627	375350	3771800	9.4E-08	1627	375350	3771800	1.1E-07	-1.53E-07	
1628	375400	3771800	3.5E-07	1628	375400	3771800	8.6E-08	1628	375400	3771800	1.1E-07	-1.54E-07	
1629	373900	3771850	1.8E-07	1629	373900	3771850	4.4E-08	1629	373900	3771850	3.6E-08	-9.72E-08	
1630	373950	3771850	1.9E-07	1630	373950	3771850	4.9E-08	1630	373950	3771850	3.9E-08	-1.01E-07	
1631	374000	3771850	2E-07	1631	374000	3771850	5.4E-08	1631	374000	3771850	4.2E-08	-1.04E-07	
1632	374050	3771850	2.1E-07	1632	374050	3771850	5.9E-08	1632	374050	3771850	4.6E-08	-1.05E-07	
1633	374100	3771850	2.2E-07	1633	374100	3771850	6.6E-08	1633	374100	3771850	5.2E-08	-1.02E-07	
1634	374150	3771850	2.2E-07	1634	374150	3771850	7.3E-08	1634	374150	3771850	6E-08	-9.16E-08	
1635	374200	3771850	2.3E-07	1635	374200	3771850	8E-08	1635	374200	3771850	7E-08	-7.56E-08	
1636	374250	3771850	2.4E-07	1636	374250	3771850	9.1E-08	1636	374250	3771850	8.6E-08	-6.64E-08	
1637	374300	3771850	2.5E-07	1637	374300	3771850	1E-07	1637	374300	3771850	1.1E-07	-4.48E-08	
1638	374350	3771850	2.8E-07	1638	374350	3771850	1.2E-07	1638	374350	3771850	1.3E-07	-2.62E-08	
1639	374400	3771850	3.1E-07	1639	374400	3771850	1.3E-07	1639	374400	3771850	1.7E-07	-1.43E-08	
1640	374450	3771850	3.5E-07	1640	374450	3771850	1.5E-07	1640	374450	3771850	2.1E-07	-2.10E-10	
1641	374500	3771850	4.1E-07	1641	374500	3771850	1.6E-07	1641	374500	3771850	2.4E-07	-1.26E-09	
1642	374550	3771850	4.7E-07	1642	374550	3771850	1.8E-07	1642	374550	3771850	2.6E-07	-2.74E-08	
1643	374600	3771850	5.4E-07	1643	374600	3771850	1.9E-07	1643	374600	3771850	2.6E-07	-8.86E-08	
1644	374650	3771850	6.2E-07	1644	374650	3771850	2E-07	1644	374650	3771850	2.4E-07	-1.75E-07	
1645	374700	3771850	6.7E-07	1645	374700	3771850	2E-07	1645	374700	3771850	2.2E-07	-2.42E-07	
1646	374750	3771850	6.7E-07	1646	374750	3771850	2E-07	1646	374750	3771850	2.1E-07	-2.65E-07	
1647	374800	3771850	6.4E-07	1647	374800	3771850	2E-07	1647	374800	3771850	1.9E-07	-2.53E-07	
1648	374850	3771850	6E-07	1648	374850	3771850	1.9E-07	1648	374850	3771850	1.8E-07	-2.33E-07	
1649	374900	3771850	5.4E-07	1649	374900	3771850	1.8E-07	1649	374900	3771850	1.6E-07	-2.04E-07	
1650	374950	3771850	4.9E-07	1650	374950	3771850	1.7E-07	1650	374950	3771850	1.5E-07	-1.79E-07	
1651	375000	3771850	4.5E-07	1651	375000	3771850	1.5E-07	1651	375000	3771850	1.4E-07	-1.60E-07	
1652	375050	3771850	4.2E-07	1652	375050	3771850	1.4E-07	1652	375050	3771850	1.3E-07	-1.51E-07	
1653	375100	3771850	4E-07	1653	375100	3771850	1.3E-07	1653	375100	3771850	1.2E-07	-1.44E-07	
1654	375150	3771850	3.8E-07	1654	375150	3771850	1.2E-07	1654	375150	3771850	1.2E-07	-1.43E-07	
1655	375200	3771850	3.6E-07	1655	375200	3771850	1.1E-07	1655	375200	3771850	1.1E-07	-1.38E-07	
1656	375250	3771850	3.5E-07	1656	375250	3771850	1E-07	1656	375250	3771850	1.1E-07	-1.36E-07	
1657	375300	3771850	3.3E-07	1657	375300	3771850	9.4E-08	1657	375300	3771850	1E-07	-1.34E-07	
1658	375350	3771850	3.2E-07	1658	375350	3771850	8.7E-08	1658	375350	3771850	9.9E-08	-1.35E-07	
1659	375400	3771850	3.1E-07	1659	375400	3771850	8E-08	1659	375400	3771850	9.5E-08	-1.36E-07	
1660	373900	3771900	1.7E-07	1660	373900	3771900	4.1E-08	1660	373900	3771900	3.5E-08	-9.51E-08	
1661	373950	3771900	1.8E-07	1661	373950	3771900	4.5E-08	1661	373950	3771900	3.7E-08	-9.80E-08	
1662	374000	3771900	1.9E-07	1662	374000	3771900	4.9E-08	1662	374000	3771900	4.1E-08	-1.00E-07	
1663	374050	3771900	2E-07	1663	374050	3771900	5.4E-08	1663	374050	3771900	4.5E-08	-9.97E-08	
1664	374100	3771900	2.1E-07	1664	374100	3771900	5.9E-08	1664	374100	3771900	5E-08	-9.67E-08	

Television City

Cancer Risk by Receptor

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Construction Exposure Parameters: 3-year exposure duration, 3rd trimester start age

Existing Operations			Max 1.23E-05	Construction			Max 6.27E-06	Project Operations			Max 7.41E-06	Incremental Increase	
No.	X	Y	Risk	No.	X	Y	Risk	No.	X	Y	Risk	Increase	Max
1665	374150	3771900	2.1E-07	1665	374150	3771900	6.5E-08	1665	374150	3771900	5.8E-08	-9.01E-08	
1666	374200	3771900	2.2E-07	1666	374200	3771900	7.2E-08	1666	374200	3771900	6.8E-08	-7.77E-08	
1667	374250	3771900	2.3E-07	1667	374250	3771900	8E-08	1667	374250	3771900	8.3E-08	-6.93E-08	
1668	374300	3771900	2.4E-07	1668	374300	3771900	8.9E-08	1668	374300	3771900	1E-07	-5.08E-08	
1669	374350	3771900	2.6E-07	1669	374350	3771900	9.9E-08	1669	374350	3771900	1.3E-07	-3.50E-08	
1670	374400	3771900	2.9E-07	1670	374400	3771900	1.1E-07	1670	374400	3771900	1.5E-07	-2.29E-08	
1671	374450	3771900	3.2E-07	1671	374450	3771900	1.2E-07	1671	374450	3771900	1.9E-07	-1.12E-08	
1672	374500	3771900	3.6E-07	1672	374500	3771900	1.4E-07	1672	374500	3771900	2.2E-07	-9.58E-09	
1673	374550	3771900	4.1E-07	1673	374550	3771900	1.5E-07	1673	374550	3771900	2.4E-07	-2.57E-08	
1674	374600	3771900	4.7E-07	1674	374600	3771900	1.6E-07	1674	374600	3771900	2.4E-07	-7.00E-08	
1675	374650	3771900	5.3E-07	1675	374650	3771900	1.6E-07	1675	374650	3771900	2.3E-07	-1.39E-07	
1676	374700	3771900	5.8E-07	1676	374700	3771900	1.7E-07	1676	374700	3771900	2.1E-07	-1.98E-07	
1677	374750	3771900	5.9E-07	1677	374750	3771900	1.7E-07	1677	374750	3771900	1.9E-07	-2.28E-07	
1678	374800	3771900	5.7E-07	1678	374800	3771900	1.7E-07	1678	374800	3771900	1.8E-07	-2.25E-07	
1679	374850	3771900	5.4E-07	1679	374850	3771900	1.6E-07	1679	374850	3771900	1.6E-07	-2.13E-07	
1680	374900	3771900	5E-07	1680	374900	3771900	1.5E-07	1680	374900	3771900	1.5E-07	-1.93E-07	
1681	374950	3771900	4.6E-07	1681	374950	3771900	1.5E-07	1681	374950	3771900	1.4E-07	-1.72E-07	
1682	375000	3771900	4.2E-07	1682	375000	3771900	1.4E-07	1682	375000	3771900	1.3E-07	-1.55E-07	
1683	375050	3771900	3.9E-07	1683	375050	3771900	1.3E-07	1683	375050	3771900	1.2E-07	-1.45E-07	
1684	375100	3771900	3.7E-07	1684	375100	3771900	1.2E-07	1684	375100	3771900	1.1E-07	-1.37E-07	
1685	375150	3771900	3.5E-07	1685	375150	3771900	1.1E-07	1685	375150	3771900	1.1E-07	-1.36E-07	
1686	375200	3771900	3.3E-07	1686	375200	3771900	1E-07	1686	375200	3771900	1E-07	-1.26E-07	
1687	375250	3771900	3.2E-07	1687	375250	3771900	9.3E-08	1687	375250	3771900	9.7E-08	-1.26E-07	
1688	375300	3771900	3E-07	1688	375300	3771900	8.6E-08	1688	375300	3771900	9.3E-08	-1.22E-07	
1689	375350	3771900	2.9E-07	1689	375350	3771900	8E-08	1689	375350	3771900	8.9E-08	-1.22E-07	
1690	375400	3771900	2.8E-07	1690	375400	3771900	7.4E-08	1690	375400	3771900	8.6E-08	-1.22E-07	
1691	373900	3771950	1.6E-07	1691	373900	3771950	3.9E-08	1691	373900	3771950	3.4E-08	-9.25E-08	
1692	373950	3771950	1.7E-07	1692	373950	3771950	4.2E-08	1692	373950	3771950	3.6E-08	-9.47E-08	
1693	374000	3771950	1.8E-07	1693	374000	3771950	4.5E-08	1693	374000	3771950	3.9E-08	-9.31E-08	
1694	374050	3771950	1.8E-07	1694	374050	3771950	4.9E-08	1694	374050	3771950	4.3E-08	-9.25E-08	
1695	374100	3771950	1.9E-07	1695	374100	3771950	5.4E-08	1695	374100	3771950	4.9E-08	-9.08E-08	
1696	374150	3771950	2E-07	1696	374150	3771950	5.9E-08	1696	374150	3771950	5.6E-08	-8.52E-08	
1697	374200	3771950	2.1E-07	1697	374200	3771950	6.4E-08	1697	374200	3771950	6.5E-08	-7.53E-08	
1698	374250	3771950	2.1E-07	1698	374250	3771950	7E-08	1698	374250	3771950	7.9E-08	-6.22E-08	
1699	374300	3771950	2.3E-07	1699	374300	3771950	7.8E-08	1699	374300	3771950	9.6E-08	-5.27E-08	
1700	374350	3771950	2.5E-07	1700	374350	3771950	8.6E-08	1700	374350	3771950	1.2E-07	-4.10E-08	
1701	374400	3771950	2.7E-07	1701	374400	3771950	9.5E-08	1701	374400	3771950	1.4E-07	-3.08E-08	
1702	374450	3771950	3E-07	1702	374450	3771950	1.1E-07	1702	374450	3771950	1.7E-07	-1.95E-08	
1703	374500	3771950	3.3E-07	1703	374500	3771950	1.2E-07	1703	374500	3771950	2E-07	-1.75E-08	
1704	374550	3771950	3.7E-07	1704	374550	3771950	1.2E-07	1704	374550	3771950	2.2E-07	-2.42E-08	
1705	374600	3771950	4.1E-07	1705	374600	3771950	1.3E-07	1705	374600	3771950	2.2E-07	-5.65E-08	
1706	374650	3771950	4.6E-07	1706	374650	3771950	1.4E-07	1706	374650	3771950	2.1E-07	-1.10E-07	
1707	374700	3771950	5E-07	1707	374700	3771950	1.4E-07	1707	374700	3771950	2E-07	-1.62E-07	
1708	374750	3771950	5.2E-07	1708	374750	3771950	1.4E-07	1708	374750	3771950	1.8E-07	-1.94E-07	
1709	374800	3771950	5.1E-07	1709	374800	3771950	1.4E-07	1709	374800	3771950	1.7E-07	-1.98E-07	
1710	374850	3771950	4.9E-07	1710	374850	3771950	1.4E-07	1710	374850	3771950	1.5E-07	-1.92E-07	
1711	374900	3771950	4.6E-07	1711	374900	3771950	1.3E-07	1711	374900	3771950	1.4E-07	-1.81E-07	
1712	374950	3771950	4.2E-07	1712	374950	3771950	1.3E-07	1712	374950	3771950	1.3E-07	-1.64E-07	
1713	375000	3771950	3.9E-07	1713	375000	3771950	1.2E-07	1713	375000	3771950	1.2E-07	-1.49E-07	
1714	375050	3771950	3.6E-07	1714	375050	3771950	1.1E-07	1714	375050	3771950	1.1E-07	-1.40E-07	
1715	375100	3771950	3.4E-07	1715	375100	3771950	1.1E-07	1715	375100	3771950	1E-07	-1.32E-07	
1716	375150	3771950	3.3E-07	1716	375150	3771950	9.9E-08	1716	375150	3771950	1E-07	-1.28E-07	
1717	375200	3771950	3.1E-07	1717	375200	3771950	9.2E-08	1717	375200	3771950	9.4E-08	-1.21E-07	
1718	375250	3771950	2.9E-07	1718	375250	3771950	8.5E-08	1718	375250	3771950	8.9E-08	-1.18E-07	
1719	375300	3771950	2.8E-07	1719	375300	3771950	7.9E-08	1719	375300	3771950	8.5E-08	-1.15E-07	
1720	375350	3771950	2.7E-07	1720	375350	3771950	7.4E-08	1720	375350	3771950	8.1E-08	-1.13E-07	
1721	375400	3771950	2.6E-07	1721	375400	3771950	6.9E-08	1721	375400	3771950	7.8E-08	-1.12E-07	
1722	373900	3772000	1.6E-07	1722	373900	3772000	3.6E-08	1722	373900	3772000	3.2E-08	-8.83E-08	
1723	373950	3772000	1.6E-07	1723	373950	3772000	3.9E-08	1723	373950	3772000	3.5E-08	-8.81E-08	
1724	374000	3772000	1.7E-07	1724	374000	3772000	4.2E-08	1724	374000	3772000	3.8E-08	-8.70E-08	
1725	374050	3772000	1.7E-07	1725	374050	3772000	4.5E-08	1725	374050	3772000	4.2E-08	-8.62E-08	
1726	374100	3772000	1.8E-07	1726	374100	3772000	4.9E-08	1726	374100	3772000	4.7E-08	-8.33E-08	
1727	374150	3772000	1.9E-07	1727	374150	3772000	5.3E-08	1727	374150	3772000	5.4E-08	-7.95E-08	
1728	374200	3772000	2E-07	1728	374200	3772000	5.8E-08	1728	374200	3772000	6.3E-08	-7.43E-08	

Television City

Cancer Risk by Receptor

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Construction Exposure Parameters: 3-year exposure duration, 3rd trimester start age

Existing Operations			Max 1.23E-05	Construction			Max 6.27E-06	Project Operations			Max 7.41E-06	Incremental Increase	
No.	X	Y	Risk	No.	X	Y	Risk	No.	X	Y	Risk	Increase	Max
1729	374250	3772000	2E-07	1729	374250	3772000	6.3E-08	1729	374250	3772000	7.6E-08	-6.51E-08	
1730	374300	3772000	2.2E-07	1730	374300	3772000	6.9E-08	1730	374300	3772000	9.2E-08	-5.46E-08	
1731	374350	3772000	2.3E-07	1731	374350	3772000	7.6E-08	1731	374350	3772000	1.1E-07	-4.56E-08	
1732	374400	3772000	2.5E-07	1732	374400	3772000	8.4E-08	1732	374400	3772000	1.3E-07	-3.72E-08	
1733	374450	3772000	2.8E-07	1733	374450	3772000	9.2E-08	1733	374450	3772000	1.6E-07	-2.78E-08	
1734	374500	3772000	3.1E-07	1734	374500	3772000	1E-07	1734	374500	3772000	1.9E-07	-2.28E-08	
1735	374550	3772000	3.4E-07	1735	374550	3772000	1.1E-07	1735	374550	3772000	2E-07	-2.59E-08	
1736	374600	3772000	3.7E-07	1736	374600	3772000	1.1E-07	1736	374600	3772000	2.1E-07	-4.70E-08	
1737	374650	3772000	4.1E-07	1737	374650	3772000	1.2E-07	1737	374650	3772000	2E-07	-8.60E-08	
1738	374700	3772000	4.4E-07	1738	374700	3772000	1.2E-07	1738	374700	3772000	1.9E-07	-1.31E-07	
1739	374750	3772000	4.6E-07	1739	374750	3772000	1.2E-07	1739	374750	3772000	1.7E-07	-1.64E-07	
1740	374800	3772000	4.6E-07	1740	374800	3772000	1.2E-07	1740	374800	3772000	1.6E-07	-1.75E-07	
1741	374850	3772000	4.4E-07	1741	374850	3772000	1.2E-07	1741	374850	3772000	1.5E-07	-1.74E-07	
1742	374900	3772000	4.2E-07	1742	374900	3772000	1.2E-07	1742	374900	3772000	1.3E-07	-1.66E-07	
1743	374950	3772000	3.9E-07	1743	374950	3772000	1.1E-07	1743	374950	3772000	1.2E-07	-1.56E-07	
1744	375000	3772000	3.6E-07	1744	375000	3772000	1.1E-07	1744	375000	3772000	1.1E-07	-1.44E-07	
1745	375050	3772000	3.4E-07	1745	375050	3772000	1E-07	1745	375050	3772000	1E-07	-1.36E-07	
1746	375100	3772000	3.2E-07	1746	375100	3772000	9.5E-08	1746	375100	3772000	9.7E-08	-1.27E-07	
1747	375150	3772000	3E-07	1747	375150	3772000	8.9E-08	1747	375150	3772000	9.2E-08	-1.22E-07	
1748	375200	3772000	2.9E-07	1748	375200	3772000	8.3E-08	1748	375200	3772000	8.7E-08	-1.16E-07	
1749	375250	3772000	2.7E-07	1749	375250	3772000	7.8E-08	1749	375250	3772000	8.3E-08	-1.12E-07	
1750	375300	3772000	2.6E-07	1750	375300	3772000	7.3E-08	1750	375300	3772000	7.9E-08	-1.08E-07	
1751	375350	3772000	2.5E-07	1751	375350	3772000	6.8E-08	1751	375350	3772000	7.5E-08	-1.05E-07	
1752	375400	3772000	2.4E-07	1752	375400	3772000	6.4E-08	1752	375400	3772000	7.1E-08	-1.03E-07	

Television City

Cancer Risk by Receptor - Existing Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk		No.	X	Y	Risk		No.	X	Y	Risk	
1	374290	3771020	3.08E-06	**Resident - 30 year**	1	374290	3771020	2.15E-07	**Worker - 25 year**	1	374290	3771020	8.93E-07	**Student - 7 Year**
2	374310	3771020	3.41E-06	Max	2	374310	3771020	2.39E-07	Max	2	374310	3771020	9.88E-07	Max
3	374330	3771020	3.70E-06	1.23E-05	3	374330	3771020	2.59E-07	8.61E-07	3	374330	3771020	1.07E-06	3.57E-06
4	374350	3771020	3.94E-06		4	374350	3771020	2.76E-07		4	374350	3771020	1.14E-06	
5	374370	3771020	4.11E-06		5	374370	3771020	2.88E-07		5	374370	3771020	1.19E-06	
6	374290	3771040	2.91E-06		6	374290	3771040	2.04E-07		6	374290	3771040	8.43E-07	
7	374310	3771040	3.29E-06		7	374310	3771040	2.30E-07		7	374310	3771040	9.54E-07	
8	374330	3771040	3.65E-06		8	374330	3771040	2.55E-07		8	374330	3771040	1.06E-06	
9	374350	3771040	3.96E-06		9	374350	3771040	2.77E-07		9	374350	3771040	1.15E-06	
10	374370	3771040	4.23E-06		10	374370	3771040	2.96E-07		10	374370	3771040	1.22E-06	
11	374290	3771060	2.69E-06		11	374290	3771060	1.88E-07		11	374290	3771060	7.78E-07	
12	374310	3771060	3.10E-06		12	374310	3771060	2.17E-07		12	374310	3771060	8.98E-07	
13	374330	3771060	3.50E-06		13	374330	3771060	2.45E-07		13	374330	3771060	1.01E-06	
14	374350	3771060	3.89E-06		14	374350	3771060	2.72E-07		14	374350	3771060	1.13E-06	
15	374370	3771060	4.26E-06		15	374370	3771060	2.98E-07		15	374370	3771060	1.23E-06	
16	374290	3771080	2.43E-06		16	374290	3771080	1.70E-07		16	374290	3771080	7.03E-07	
17	374310	3771080	2.86E-06		17	374310	3771080	2.00E-07		17	374310	3771080	8.28E-07	
18	374330	3771080	3.30E-06		18	374330	3771080	2.31E-07		18	374330	3771080	9.55E-07	
19	374350	3771080	3.73E-06		19	374350	3771080	2.61E-07		19	374350	3771080	1.08E-06	
20	374370	3771080	4.20E-06		20	374370	3771080	2.94E-07		20	374370	3771080	1.22E-06	
21	374290	3771100	2.17E-06		21	374290	3771100	1.52E-07		21	374290	3771100	6.28E-07	
22	374310	3771100	2.60E-06		22	374310	3771100	1.82E-07		22	374310	3771100	7.52E-07	
23	374330	3771100	3.06E-06		23	374330	3771100	2.14E-07		23	374330	3771100	8.87E-07	
24	374350	3771100	3.56E-06		24	374350	3771100	2.49E-07		24	374350	3771100	1.03E-06	
25	374370	3771100	4.06E-06		25	374370	3771100	2.84E-07		25	374370	3771100	1.18E-06	
26	374290	3771120	1.86E-06		26	374290	3771120	1.30E-07		26	374290	3771120	5.37E-07	
27	374310	3771120	2.30E-06		27	374310	3771120	1.61E-07		27	374310	3771120	6.67E-07	
28	374330	3771120	2.78E-06		28	374330	3771120	1.94E-07		28	374330	3771120	8.04E-07	
29	374350	3771120	3.31E-06		29	374350	3771120	2.32E-07		29	374350	3771120	9.58E-07	
30	374370	3771120	3.85E-06		30	374370	3771120	2.69E-07		30	374370	3771120	1.12E-06	
31	374290	3771140	1.59E-06		31	374290	3771140	1.11E-07		31	374290	3771140	4.59E-07	
32	374310	3771140	1.97E-06		32	374310	3771140	1.38E-07		32	374310	3771140	5.71E-07	
33	374330	3771140	2.45E-06		33	374330	3771140	1.71E-07		33	374330	3771140	7.09E-07	
34	374350	3771140	2.98E-06		34	374350	3771140	2.09E-07		34	374350	3771140	8.63E-07	
35	374370	3771140	3.58E-06		35	374370	3771140	2.50E-07		35	374370	3771140	1.04E-06	
36	374290	3771160	1.36E-06		36	374290	3771160	9.53E-08		36	374290	3771160	3.94E-07	
37	374310	3771160	1.65E-06		37	374310	3771160	1.15E-07		37	374310	3771160	4.77E-07	
38	374330	3771160	2.11E-06		38	374330	3771160	1.48E-07		38	374330	3771160	6.11E-07	
39	374350	3771160	2.65E-06		39	374350	3771160	1.85E-07		39	374350	3771160	7.66E-07	
40	374370	3771160	3.25E-06		40	374370	3771160	2.27E-07		40	374370	3771160	9.40E-07	
41	374290	3771180	1.14E-06		41	374290	3771180	7.97E-08		41	374290	3771180	3.29E-07	
42	374310	3771180	1.41E-06		42	374310	3771180	9.86E-08		42	374310	3771180	4.07E-07	
43	374330	3771180	1.76E-06		43	374330	3771180	1.23E-07		43	374330	3771180	5.07E-07	
44	374350	3771180	2.29E-06		44	374350	3771180	1.60E-07		44	374350	3771180	6.62E-07	
45	374370	3771180	2.99E-06		45	374370	3771180	2.09E-07		45	374370	3771180	8.62E-07	
46	374290	3771200	9.83E-07		46	374290	3771200	6.87E-08		46	374290	3771200	2.83E-07	
47	374310	3771200	1.17E-06		47	374310	3771200	8.17E-08		47	374310	3771200	3.37E-07	
48	374330	3771200	1.48E-06		48	374330	3771200	1.03E-07		48	374330	3771200	4.25E-07	
49	374350	3771200	1.89E-06		49	374350	3771200	1.32E-07		49	374350	3771200	5.43E-07	
50	374370	3771200	2.79E-06		50	374370	3771200	1.95E-07		50	374370	3771200	8.04E-07	
51	374290	3771220	8.76E-07		51	374290	3771220	6.12E-08		51	374290	3771220	2.52E-07	
52	374310	3771220	1.01E-06		52	374310	3771220	7.07E-08		52	374310	3771220	2.91E-07	
53	374330	3771220	1.21E-06		53	374330	3771220	8.46E-08		53	374330	3771220	3.49E-07	
54	374350	3771220	1.59E-06		54	374350	3771220	1.11E-07		54	374350	3771220	4.57E-07	
55	374370	3771220	2.28E-06		55	374370	3771220	1.59E-07		55	374370	3771220	6.56E-07	
56	374290	3771240	8.08E-07		56	374290	3771240	5.64E-08		56	374290	3771240	2.32E-07	
57	374310	3771240	9.04E-07		57	374310	3771240	6.30E-08		57	374310	3771240	2.59E-07	
58	374330	3771240	1.05E-06		58	374330	3771240	7.35E-08		58	374330	3771240	3.02E-07	
59	374350	3771240	1.29E-06		59	374350	3771240	8.98E-08		59	374350	3771240	3.69E-07	
60	374370	3771240	1.75E-06		60	374370	3771240	1.22E-07		60	374370	3771240	5.02E-07	
61	374290	3771260	7.72E-07		61	374290	3771260	5.38E-08		61	374290	3771260	2.22E-07	
62	374310	3771260	8.50E-07		62	374310	3771260	5.93E-08		62	374310	3771260	2.44E-07	
63	374330	3771260	9.49E-07		63	374330	3771260	6.61E-08		63	374330	3771260	2.72E-07	
64	374350	3771260	1.11E-06		64	374350	3771260	7.72E-08		64	374350	3771260	3.17E-07	
65	374370	3771260	1.37E-06		65	374370	3771260	9.54E-08		65	374370	3771260	3.90E-07	
66	374290	3771280	7.41E-07		66	374290	3771280	5.17E-08		66	374290	3771280	2.13E-07	
67	374310	3771280	8.05E-07		67	374310	3771280	5.62E-08		67	374310	3771280	2.31E-07	
68	374330	3771280	8.87E-07		68	374330	3771280	6.19E-08		68	374330	3771280	2.54E-07	
69	374350	3771280	9.92E-07		69	374350	3771280	6.91E-08		69	374350	3771280	2.83E-07	
70	374370	3771280	1.15E-06		70	374370	3771280	8.04E-08		70	374370	3771280	3.28E-07	
71	374290	3771300	7.13E-07		71	374290	3771300	4.97E-08		71	374290	3771300	2.05E-07	
72	374310	3771300	7.69E-07		72	374310	3771300	5.37E-08		72	374310	3771300	2.20E-07	
73	374330	3771300	8.33E-07		73	374330	3771300	5.80E-08		73	374330	3771300	2.38E-07	
74	374350	3771300	9.19E-07		74	374350	3771300	6.40E-08		74	374350	3771300	2.62E-07	
75	374370	3771300	1.03E-06		75	374370	3771300	7.15E-08		75	374370	3771300	2.92E-07	
76	374290	3771320	6.82E-07		76	374290	3771320	4.76E-08		76	374290	3771320	1.96E-07	
77	374310	3771320	7.25E-07		77	374310	3771320	5.06E-08		77	374310	3771320	2.08E-07	
78	374330	3771320	7.82E-07		78	374330	3771320	5.45E-08		78	374330	3771320	2.24E-07	
79	374350	3771320	8.45E-07		79	374350	3771320	5.89E-08		79	374350	3771320	2.41E-07	
80	374370	3771320	9.30E-07		80	374370	3771320	6.47E-08		80	374370	3771320	2.63E-07	
81	374290	3771340	6.39E-07		81	374290	3771340	4.46E-08		81	374290	3771340	1.83E-07	
82	374310	3771340	6.76E-07		82	374310	3771340	4.72E-08		82	374310	3771340	1.94E-07	
83	374330	3771340	7.20E-07		83	374330	3771340	5.02E-08		83	374330	3771340	2.06E-07	
84	374350	3771340	7.72E-07		84	374350	3771340	5.37E-08		84	374350	3771340	2.20E-07	
85	374370	3771340	8.38E-07		85	374370	3771340	5.82E-08		85	374370	3771340	2.37E-07	
86	374290	3771360	6.04E-07		86	374290	3771360	4.22E-08		86	374290	3771360	1.73E-07	
87	374310	3771360	6.33E-07		87	374310	3771360	4.41E-08		87	374310	3771360	1.81E-07	
88	374330	3771360	6.69E-07		88	374330	3771360	4.66E-08		88	374330	3771360	1.91E-07	
89	374350	3771360	7.13E-07		89	374350	3771360	4.96E-08		89	374350	3771360	2.03E-07	

Television City

Cancer Risk by Receptor - Existing Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
90	374370	3771360	7.66E-07
91	374290	3771380	5.70E-07
92	374310	3771380	5.97E-07
93	374330	3771380	6.25E-07
94	374350	3771380	6.62E-07
95	374370	3771380	7.09E-07
96	374290	3771400	5.44E-07
97	374310	3771400	5.66E-07
98	374330	3771400	5.94E-07
99	374350	3771400	6.26E-07
100	374370	3771400	6.68E-07
101	374290	3771420	5.23E-07
102	374310	3771420	5.43E-07
103	374330	3771420	5.68E-07
104	374350	3771420	5.97E-07
105	374370	3771420	6.33E-07
106	374290	3771440	5.04E-07
107	374310	3771440	5.25E-07
108	374330	3771440	5.47E-07
109	374350	3771440	5.74E-07
110	374370	3771440	6.04E-07
111	374390	3771440	6.45E-07
112	374410	3771440	6.98E-07
113	374430	3771440	7.63E-07
114	374450	3771440	8.42E-07
115	374470	3771440	9.35E-07
116	374490	3771440	1.06E-06
117	374510	3771440	1.21E-06
118	374530	3771440	1.43E-06
119	374550	3771440	1.69E-06
120	374570	3771440	2.00E-06
121	374590	3771440	2.38E-06
122	374610	3771440	2.72E-06
123	374630	3771440	2.95E-06
124	374650	3771440	3.03E-06
125	374670	3771440	2.94E-06
126	374690	3771440	2.85E-06
127	374710	3771440	2.86E-06
128	374730	3771440	3.04E-06
129	374750	3771440	3.09E-06
130	374770	3771440	2.81E-06
131	374790	3771440	2.52E-06
132	374810	3771440	2.28E-06
133	374830	3771440	2.12E-06
134	374850	3771440	1.99E-06
135	374870	3771440	1.88E-06
136	374890	3771440	1.80E-06
137	374910	3771440	1.72E-06
138	374930	3771440	1.65E-06
139	374950	3771440	1.59E-06
140	374290	3771460	4.90E-07
141	374310	3771460	5.08E-07
142	374330	3771460	5.30E-07
143	374350	3771460	5.54E-07
144	374370	3771460	5.81E-07
145	374390	3771460	6.15E-07
146	374410	3771460	6.60E-07
147	374430	3771460	7.14E-07
148	374450	3771460	7.82E-07
149	374470	3771460	8.63E-07
150	374490	3771460	9.68E-07
151	374510	3771460	1.12E-06
152	374530	3771460	1.32E-06
153	374550	3771460	1.54E-06
154	374570	3771460	1.80E-06
155	374590	3771460	2.11E-06
156	374610	3771460	2.39E-06
157	374630	3771460	2.58E-06
158	374650	3771460	2.65E-06
159	374670	3771460	2.58E-06
160	374690	3771460	2.52E-06
161	374710	3771460	2.50E-06
162	374730	3771460	2.52E-06
163	374750	3771460	2.50E-06
164	374770	3771460	2.37E-06
165	374790	3771460	2.22E-06
166	374810	3771460	2.05E-06
167	374830	3771460	1.92E-06
168	374850	3771460	1.80E-06
169	374870	3771460	1.72E-06
170	374890	3771460	1.65E-06
171	374910	3771460	1.59E-06
172	374930	3771460	1.53E-06
173	374950	3771460	1.48E-06
174	374290	3771480	4.77E-07
175	374310	3771480	4.95E-07
176	374330	3771480	5.13E-07
177	374350	3771480	5.35E-07
178	374370	3771480	5.60E-07

No.	X	Y	Risk
90	374370	3771360	5.33E-08
91	374290	3771380	3.98E-08
92	374310	3771380	4.16E-08
93	374330	3771380	4.36E-08
94	374350	3771380	4.61E-08
95	374370	3771380	4.93E-08
96	374290	3771400	3.79E-08
97	374310	3771400	3.95E-08
98	374330	3771400	4.14E-08
99	374350	3771400	4.36E-08
100	374370	3771400	4.65E-08
101	374290	3771420	3.65E-08
102	374310	3771420	3.79E-08
103	374330	3771420	3.96E-08
104	374350	3771420	4.16E-08
105	374370	3771420	4.41E-08
106	374290	3771440	3.52E-08
107	374310	3771440	3.66E-08
108	374330	3771440	3.82E-08
109	374350	3771440	4.00E-08
110	374370	3771440	4.21E-08
111	374390	3771440	4.49E-08
112	374410	3771440	4.86E-08
113	374430	3771440	5.31E-08
114	374450	3771440	5.86E-08
115	374470	3771440	6.50E-08
116	374490	3771440	7.35E-08
117	374510	3771440	8.45E-08
118	374530	3771440	9.98E-08
119	374550	3771440	1.17E-07
120	374570	3771440	1.39E-07
121	374590	3771440	1.66E-07
122	374610	3771440	1.90E-07
123	374630	3771440	2.05E-07
124	374650	3771440	2.11E-07
125	374670	3771440	2.05E-07
126	374690	3771440	1.99E-07
127	374710	3771440	2.00E-07
128	374730	3771440	2.12E-07
129	374750	3771440	2.16E-07
130	374770	3771440	1.96E-07
131	374790	3771440	1.76E-07
132	374810	3771440	1.59E-07
133	374830	3771440	1.48E-07
134	374850	3771440	1.39E-07
135	374870	3771440	1.31E-07
136	374890	3771440	1.26E-07
137	374910	3771440	1.20E-07
138	374930	3771440	1.15E-07
139	374950	3771440	1.11E-07
140	374290	3771460	3.42E-08
141	374310	3771460	3.55E-08
142	374330	3771460	3.70E-08
143	374350	3771460	3.86E-08
144	374370	3771460	4.05E-08
145	374390	3771460	4.29E-08
146	374410	3771460	4.59E-08
147	374430	3771460	4.97E-08
148	374450	3771460	5.45E-08
149	374470	3771460	6.01E-08
150	374490	3771460	6.74E-08
151	374510	3771460	7.77E-08
152	374530	3771460	9.20E-08
153	374550	3771460	1.07E-07
154	374570	3771460	1.26E-07
155	374590	3771460	1.47E-07
156	374610	3771460	1.67E-07
157	374630	3771460	1.80E-07
158	374650	3771460	1.85E-07
159	374670	3771460	1.80E-07
160	374690	3771460	1.76E-07
161	374710	3771460	1.75E-07
162	374730	3771460	1.76E-07
163	374750	3771460	1.74E-07
164	374770	3771460	1.66E-07
165	374790	3771460	1.55E-07
166	374810	3771460	1.43E-07
167	374830	3771460	1.34E-07
168	374850	3771460	1.26E-07
169	374870	3771460	1.20E-07
170	374890	3771460	1.15E-07
171	374910	3771460	1.11E-07
172	374930	3771460	1.07E-07
173	374950	3771460	1.03E-07
174	374290	3771480	3.33E-08
175	374310	3771480	3.45E-08
176	374330	3771480	3.58E-08
177	374350	3771480	3.73E-08
178	374370	3771480	3.91E-08

No.	X	Y	Risk
90	374370	3771360	2.17E-07
91	374290	3771380	1.64E-07
92	374310	3771380	1.71E-07
93	374330	3771380	1.79E-07
94	374350	3771380	1.89E-07
95	374370	3771380	2.01E-07
96	374290	3771400	1.56E-07
97	374310	3771400	1.62E-07
98	374330	3771400	1.70E-07
99	374350	3771400	1.78E-07
100	374370	3771400	1.89E-07
101	374290	3771420	1.50E-07
102	374310	3771420	1.56E-07
103	374330	3771420	1.62E-07
104	374350	3771420	1.71E-07
105	374370	3771420	1.80E-07
106	374290	3771440	1.45E-07
107	374310	3771440	1.50E-07
108	374330	3771440	1.57E-07
109	374350	3771440	1.64E-07
110	374370	3771440	1.72E-07
111	374390	3771440	1.83E-07
112	374410	3771440	1.98E-07
113	374430	3771440	2.16E-07
114	374450	3771440	2.38E-07
115	374470	3771440	2.65E-07
116	374490	3771440	2.99E-07
117	374510	3771440	3.44E-07
118	374530	3771440	4.07E-07
119	374550	3771440	4.80E-07
120	374570	3771440	5.70E-07
121	374590	3771440	6.80E-07
122	374610	3771440	7.78E-07
123	374630	3771440	8.43E-07
124	374650	3771440	8.69E-07
125	374670	3771440	8.42E-07
126	374690	3771440	8.16E-07
127	374710	3771440	8.21E-07
128	374730	3771440	8.72E-07
129	374750	3771440	8.89E-07
130	374770	3771440	8.09E-07
131	374790	3771440	7.25E-07
132	374810	3771440	6.57E-07
133	374830	3771440	6.10E-07
134	374850	3771440	5.72E-07
135	374870	3771440	5.43E-07
136	374890	3771440	5.19E-07
137	374910	3771440	4.97E-07
138	374930	3771440	4.77E-07
139	374950	3771440	4.58E-07
140	374290	3771460	1.41E-07
141	374310	3771460	1.46E-07
142	374330	3771460	1.52E-07
143	374350	3771460	1.59E-07
144	374370	3771460	1.66E-07
145	374390	3771460	1.76E-07
146	374410	3771460	1.88E-07
147	374430	3771460	2.03E-07
148	374450	3771460	2.23E-07
149	374470	3771460	2.46E-07
150	374490	3771460	2.76E-07
151	374510	3771460	3.18E-07
152	374530	3771460	3.77E-07
153	374550	3771460	4.40E-07
154	374570	3771460	5.15E-07
155	374590	3771460	6.05E-07
156	374610	3771460	6.85E-07
157	374630	3771460	7.40E-07
158	374650	3771460	7.59E-07
159	374670	3771460	7.40E-07
160	374690	3771460	7.23E-07
161	374710	3771460	7.18E-07
162	374730	3771460	7.25E-07
163	374750	3771460	7.18E-07
164	374770	3771460	6.83E-07
165	374790	3771460	6.38E-07
166	374810	3771460	5.89E-07
167	374830	3771460	5.52E-07
168	374850	3771460	5.19E-07
169	374870	3771460	4.95E-07
170	374890	3771460	4.74E-07
171	374910	3771460	4.57E-07
172	374930	3771460	4.43E-07
173	374950	3771460	4.27E-07
174	374290	3771480	1.37E-07
175	374310	3771480	1.42E-07
176	374330	3771480	1.47E-07
177	374350	3771480	1.53E-07
178	374370	3771480	1.60E-07

Television City

Cancer Risk by Receptor - Existing Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
179	374390	3771480	5.91E-07
180	374410	3771480	6.27E-07
181	374430	3771480	6.74E-07
182	374450	3771480	7.33E-07
183	374470	3771480	8.06E-07
184	374490	3771480	9.04E-07
185	374510	3771480	1.04E-06
186	374530	3771480	1.23E-06
187	374550	3771480	1.42E-06
188	374570	3771480	1.63E-06
189	374590	3771480	1.89E-06
190	374610	3771480	2.13E-06
191	374630	3771480	2.29E-06
192	374650	3771480	2.36E-06
193	374670	3771480	2.31E-06
194	374690	3771480	2.25E-06
195	374710	3771480	2.24E-06
196	374730	3771480	2.22E-06
197	374750	3771480	2.18E-06
198	374770	3771480	2.08E-06
199	374790	3771480	1.98E-06
200	374810	3771480	1.84E-06
201	374830	3771480	1.74E-06
202	374850	3771480	1.65E-06
203	374870	3771480	1.57E-06
204	374890	3771480	1.51E-06
205	374910	3771480	1.46E-06
206	374930	3771480	1.41E-06
207	374950	3771480	1.37E-06
208	374290	3771500	4.66E-07
209	374310	3771500	4.82E-07
210	374330	3771500	4.99E-07
211	374350	3771500	5.18E-07
212	374370	3771500	5.41E-07
213	374390	3771500	5.67E-07
214	374410	3771500	5.98E-07
215	374430	3771500	6.39E-07
216	374450	3771500	6.91E-07
217	374470	3771500	7.61E-07
218	374490	3771500	8.53E-07
219	374510	3771500	9.82E-07
220	374530	3771500	1.15E-06
221	374550	3771500	1.31E-06
222	374570	3771500	1.50E-06
223	374590	3771500	1.71E-06
224	374610	3771500	1.91E-06
225	374630	3771500	2.05E-06
226	374650	3771500	2.12E-06
227	374670	3771500	2.10E-06
228	374690	3771500	2.05E-06
229	374710	3771500	2.03E-06
230	374730	3771500	2.01E-06
231	374750	3771500	1.96E-06
232	374770	3771500	1.88E-06
233	374790	3771500	1.78E-06
234	374810	3771500	1.68E-06
235	374830	3771500	1.59E-06
236	374850	3771500	1.51E-06
237	374870	3771500	1.45E-06
238	374890	3771500	1.38E-06
239	374910	3771500	1.34E-06
240	374930	3771500	1.29E-06
241	374950	3771500	1.26E-06
242	374290	3771520	4.54E-07
243	374310	3771520	4.69E-07
244	374330	3771520	4.86E-07
245	374350	3771520	5.04E-07
246	374370	3771520	5.22E-07
247	374390	3771520	5.44E-07
248	374410	3771520	5.73E-07
249	374430	3771520	6.09E-07
250	374450	3771520	6.56E-07
251	374470	3771520	7.25E-07
252	374490	3771520	8.09E-07
253	374510	3771520	9.30E-07
254	374530	3771520	1.07E-06
255	374550	3771520	1.22E-06
256	374570	3771520	1.38E-06
257	374590	3771520	1.57E-06
258	374610	3771520	1.74E-06
259	374630	3771520	1.86E-06
260	374650	3771520	1.94E-06
261	374670	3771520	1.93E-06
262	374690	3771520	1.89E-06
263	374710	3771520	1.87E-06
264	374730	3771520	1.84E-06
265	374750	3771520	1.79E-06
266	374770	3771520	1.73E-06
267	374790	3771520	1.64E-06

No.	X	Y	Risk
179	374390	3771480	4.12E-08
180	374410	3771480	4.37E-08
181	374430	3771480	4.70E-08
182	374450	3771480	5.11E-08
183	374470	3771480	5.62E-08
184	374490	3771480	6.30E-08
185	374510	3771480	7.28E-08
186	374530	3771480	8.58E-08
187	374550	3771480	9.90E-08
188	374570	3771480	1.14E-07
189	374590	3771480	1.32E-07
190	374610	3771480	1.49E-07
191	374630	3771480	1.60E-07
192	374650	3771480	1.64E-07
193	374670	3771480	1.61E-07
194	374690	3771480	1.57E-07
195	374710	3771480	1.56E-07
196	374730	3771480	1.55E-07
197	374750	3771480	1.52E-07
198	374770	3771480	1.46E-07
199	374790	3771480	1.38E-07
200	374810	3771480	1.29E-07
201	374830	3771480	1.22E-07
202	374850	3771480	1.15E-07
203	374870	3771480	1.10E-07
204	374890	3771480	1.05E-07
205	374910	3771480	1.02E-07
206	374930	3771480	9.87E-08
207	374950	3771480	9.54E-08
208	374290	3771500	3.25E-08
209	374310	3771500	3.36E-08
210	374330	3771500	3.48E-08
211	374350	3771500	3.62E-08
212	374370	3771500	3.78E-08
213	374390	3771500	3.96E-08
214	374410	3771500	4.17E-08
215	374430	3771500	4.45E-08
216	374450	3771500	4.82E-08
217	374470	3771500	5.30E-08
218	374490	3771500	5.94E-08
219	374510	3771500	6.85E-08
220	374530	3771500	7.99E-08
221	374550	3771500	9.16E-08
222	374570	3771500	1.05E-07
223	374590	3771500	1.20E-07
224	374610	3771500	1.34E-07
225	374630	3771500	1.43E-07
226	374650	3771500	1.48E-07
227	374670	3771500	1.46E-07
228	374690	3771500	1.43E-07
229	374710	3771500	1.42E-07
230	374730	3771500	1.40E-07
231	374750	3771500	1.37E-07
232	374770	3771500	1.31E-07
233	374790	3771500	1.24E-07
234	374810	3771500	1.17E-07
235	374830	3771500	1.11E-07
236	374850	3771500	1.06E-07
237	374870	3771500	1.01E-07
238	374890	3771500	9.65E-08
239	374910	3771500	9.34E-08
240	374930	3771500	9.05E-08
241	374950	3771500	8.79E-08
242	374290	3771520	3.17E-08
243	374310	3771520	3.28E-08
244	374330	3771520	3.39E-08
245	374350	3771520	3.51E-08
246	374370	3771520	3.64E-08
247	374390	3771520	3.80E-08
248	374410	3771520	4.00E-08
249	374430	3771520	4.24E-08
250	374450	3771520	4.58E-08
251	374470	3771520	5.05E-08
252	374490	3771520	5.64E-08
253	374510	3771520	6.48E-08
254	374530	3771520	7.47E-08
255	374550	3771520	8.52E-08
256	374570	3771520	9.63E-08
257	374590	3771520	1.09E-07
258	374610	3771520	1.21E-07
259	374630	3771520	1.30E-07
260	374650	3771520	1.35E-07
261	374670	3771520	1.35E-07
262	374690	3771520	1.32E-07
263	374710	3771520	1.30E-07
264	374730	3771520	1.29E-07
265	374750	3771520	1.25E-07
266	374770	3771520	1.21E-07
267	374790	3771520	1.14E-07

No.	X	Y	Risk
179	374390	3771480	1.69E-07
180	374410	3771480	1.79E-07
181	374430	3771480	1.93E-07
182	374450	3771480	2.09E-07
183	374470	3771480	2.30E-07
184	374490	3771480	2.58E-07
185	374510	3771480	2.98E-07
186	374530	3771480	3.52E-07
187	374550	3771480	4.06E-07
188	374570	3771480	4.68E-07
189	374590	3771480	5.42E-07
190	374610	3771480	6.11E-07
191	374630	3771480	6.58E-07
192	374650	3771480	6.76E-07
193	374670	3771480	6.63E-07
194	374690	3771480	6.47E-07
195	374710	3771480	6.43E-07
196	374730	3771480	6.39E-07
197	374750	3771480	6.27E-07
198	374770	3771480	6.00E-07
199	374790	3771480	5.69E-07
200	374810	3771480	5.31E-07
201	374830	3771480	5.02E-07
202	374850	3771480	4.75E-07
203	374870	3771480	4.53E-07
204	374890	3771480	4.35E-07
205	374910	3771480	4.21E-07
206	374930	3771480	4.08E-07
207	374950	3771480	3.94E-07
208	374290	3771500	1.34E-07
209	374310	3771500	1.38E-07
210	374330	3771500	1.43E-07
211	374350	3771500	1.49E-07
212	374370	3771500	1.55E-07
213	374390	3771500	1.62E-07
214	374410	3771500	1.71E-07
215	374430	3771500	1.83E-07
216	374450	3771500	1.98E-07
217	374470	3771500	2.18E-07
218	374490	3771500	2.44E-07
219	374510	3771500	2.81E-07
220	374530	3771500	3.28E-07
221	374550	3771500	3.76E-07
222	374570	3771500	4.30E-07
223	374590	3771500	4.92E-07
224	374610	3771500	5.50E-07
225	374630	3771500	5.90E-07
226	374650	3771500	6.11E-07
227	374670	3771500	6.03E-07
228	374690	3771500	5.90E-07
229	374710	3771500	5.83E-07
230	374730	3771500	5.79E-07
231	374750	3771500	5.64E-07
232	374770	3771500	5.42E-07
233	374790	3771500	5.13E-07
234	374810	3771500	4.84E-07
235	374830	3771500	4.57E-07
236	374850	3771500	4.36E-07
237	374870	3771500	4.17E-07
238	374890	3771500	3.98E-07
239	374910	3771500	3.85E-07
240	374930	3771500	3.74E-07
241	374950	3771500	3.63E-07
242	374290	3771520	1.31E-07
243	374310	3771520	1.35E-07
244	374330	3771520	1.40E-07
245	374350	3771520	1.45E-07
246	374370	3771520	1.50E-07
247	374390	3771520	1.56E-07
248	374410	3771520	1.64E-07
249	374430	3771520	1.74E-07
250	374450	3771520	1.88E-07
251	374470	3771520	2.08E-07
252	374490	3771520	2.32E-07
253	374510	3771520	2.66E-07
254	374530	3771520	3.07E-07
255	374550	3771520	3.50E-07
256	374570	3771520	3.96E-07
257	374590	3771520	4.51E-07
258	374610	3771520	5.00E-07
259	374630	3771520	5.36E-07
260	374650	3771520	5.57E-07
261	374670	3771520	5.54E-07
262	374690	3771520	5.43E-07
263	374710	3771520	5.37E-07
264	374730	3771520	5.31E-07
265	374750	3771520	5.17E-07
266	374770	3771520	4.97E-07
267	374790	3771520	4.72E-07

Television City

Cancer Risk by Receptor - Existing Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
268	374810	3771520	1.55E-06
269	374830	3771520	1.47E-06
270	374850	3771520	1.40E-06
271	374870	3771520	1.34E-06
272	374890	3771520	1.28E-06
273	374910	3771520	1.24E-06
274	374930	3771520	1.20E-06
275	374950	3771520	1.16E-06
276	374290	3771540	4.44E-07
277	374310	3771540	4.57E-07
278	374330	3771540	4.72E-07
279	374350	3771540	4.85E-07
280	374370	3771540	5.04E-07
281	374390	3771540	5.23E-07
282	374410	3771540	5.49E-07
283	374430	3771540	5.83E-07
284	374450	3771540	6.29E-07
285	374470	3771540	6.91E-07
286	374490	3771540	7.72E-07
287	374510	3771540	8.81E-07
288	374530	3771540	1.01E-06
289	374550	3771540	1.14E-06
290	374570	3771540	1.28E-06
291	374590	3771540	1.45E-06
292	374610	3771540	1.59E-06
293	374630	3771540	1.70E-06
294	374650	3771540	1.78E-06
295	374670	3771540	1.78E-06
296	374690	3771540	1.75E-06
297	374710	3771540	1.73E-06
298	374730	3771540	1.71E-06
299	374750	3771540	1.66E-06
300	374770	3771540	1.60E-06
301	374790	3771540	1.52E-06
302	374810	3771540	1.44E-06
303	374830	3771540	1.36E-06
304	374850	3771540	1.30E-06
305	374870	3771540	1.24E-06
306	374890	3771540	1.19E-06
307	374910	3771540	1.15E-06
308	374930	3771540	1.11E-06
309	374950	3771540	1.08E-06
310	374765	3771270	6.19E-06
311	374775	3771270	5.85E-06
312	374785	3771270	5.63E-06
313	374795	3771270	5.27E-06
314	374805	3771270	4.67E-06
315	374815	3771270	4.02E-06
316	374825	3771270	3.51E-06
317	374835	3771270	3.16E-06
318	374845	3771270	2.85E-06
319	374765	3771280	6.42E-06
320	374775	3771280	5.71E-06
321	374785	3771280	5.38E-06
322	374795	3771280	5.03E-06
323	374805	3771280	4.49E-06
324	374815	3771280	3.94E-06
325	374825	3771280	3.52E-06
326	374835	3771280	3.20E-06
327	374845	3771280	2.94E-06
328	374765	3771290	6.73E-06
329	374775	3771290	5.79E-06
330	374785	3771290	5.35E-06
331	374795	3771290	4.99E-06
332	374805	3771290	4.43E-06
333	374815	3771290	3.92E-06
334	374825	3771290	3.56E-06
335	374835	3771290	3.27E-06
336	374845	3771290	3.02E-06
337	374765	3771300	6.84E-06
338	374775	3771300	5.80E-06
339	374785	3771300	5.27E-06
340	374795	3771300	4.91E-06
341	374805	3771300	4.36E-06
342	374815	3771300	3.91E-06
343	374825	3771300	3.57E-06
344	374835	3771300	3.30E-06
345	374845	3771300	3.08E-06
346	374765	3771310	6.74E-06
347	374775	3771310	5.76E-06
348	374785	3771310	5.17E-06
349	374795	3771310	4.74E-06
350	374805	3771310	4.24E-06
351	374815	3771310	3.85E-06
352	374825	3771310	3.55E-06
353	374835	3771310	3.31E-06
354	374845	3771310	3.09E-06
355	374765	3771320	6.71E-06
356	374775	3771320	5.68E-06

No.	X	Y	Risk
268	374810	3771520	1.08E-07
269	374830	3771520	1.02E-07
270	374850	3771520	9.78E-08
271	374870	3771520	9.33E-08
272	374890	3771520	8.95E-08
273	374910	3771520	8.63E-08
274	374930	3771520	8.36E-08
275	374950	3771520	8.12E-08
276	374290	3771540	3.10E-08
277	374310	3771540	3.19E-08
278	374330	3771540	3.30E-08
279	374350	3771540	3.39E-08
280	374370	3771540	3.52E-08
281	374390	3771540	3.65E-08
282	374410	3771540	3.83E-08
283	374430	3771540	4.07E-08
284	374450	3771540	4.38E-08
285	374470	3771540	4.82E-08
286	374490	3771540	5.39E-08
287	374510	3771540	6.14E-08
288	374530	3771540	7.02E-08
289	374550	3771540	7.95E-08
290	374570	3771540	8.95E-08
291	374590	3771540	1.01E-07
292	374610	3771540	1.11E-07
293	374630	3771540	1.19E-07
294	374650	3771540	1.24E-07
295	374670	3771540	1.24E-07
296	374690	3771540	1.22E-07
297	374710	3771540	1.21E-07
298	374730	3771540	1.19E-07
299	374750	3771540	1.16E-07
300	374770	3771540	1.12E-07
301	374790	3771540	1.06E-07
302	374810	3771540	1.00E-07
303	374830	3771540	9.52E-08
304	374850	3771540	9.10E-08
305	374870	3771540	8.69E-08
306	374890	3771540	8.31E-08
307	374910	3771540	8.00E-08
308	374930	3771540	7.75E-08
309	374950	3771540	7.52E-08
310	374765	3771270	4.32E-07
311	374775	3771270	4.09E-07
312	374785	3771270	3.93E-07
313	374795	3771270	3.68E-07
314	374805	3771270	3.26E-07
315	374815	3771270	2.81E-07
316	374825	3771270	2.46E-07
317	374835	3771270	2.21E-07
318	374845	3771270	1.99E-07
319	374765	3771280	4.49E-07
320	374775	3771280	3.99E-07
321	374785	3771280	3.76E-07
322	374795	3771280	3.51E-07
323	374805	3771280	3.14E-07
324	374815	3771280	2.75E-07
325	374825	3771280	2.46E-07
326	374835	3771280	2.23E-07
327	374845	3771280	2.05E-07
328	374765	3771290	4.71E-07
329	374775	3771290	4.05E-07
330	374785	3771290	3.74E-07
331	374795	3771290	3.49E-07
332	374805	3771290	3.10E-07
333	374815	3771290	2.74E-07
334	374825	3771290	2.49E-07
335	374835	3771290	2.28E-07
336	374845	3771290	2.11E-07
337	374765	3771300	4.78E-07
338	374775	3771300	4.06E-07
339	374785	3771300	3.69E-07
340	374795	3771300	3.43E-07
341	374805	3771300	3.04E-07
342	374815	3771300	2.73E-07
343	374825	3771300	2.49E-07
344	374835	3771300	2.31E-07
345	374845	3771300	2.15E-07
346	374765	3771310	4.71E-07
347	374775	3771310	4.02E-07
348	374785	3771310	3.61E-07
349	374795	3771310	3.31E-07
350	374805	3771310	2.96E-07
351	374815	3771310	2.69E-07
352	374825	3771310	2.48E-07
353	374835	3771310	2.31E-07
354	374845	3771310	2.16E-07
355	374765	3771320	4.69E-07
356	374775	3771320	3.97E-07

No.	X	Y	Risk
268	374810	3771520	4.46E-07
269	374830	3771520	4.22E-07
270	374850	3771520	4.04E-07
271	374870	3771520	3.85E-07
272	374890	3771520	3.70E-07
273	374910	3771520	3.56E-07
274	374930	3771520	3.45E-07
275	374950	3771520	3.35E-07
276	374290	3771540	1.28E-07
277	374310	3771540	1.32E-07
278	374330	3771540	1.36E-07
279	374350	3771540	1.39E-07
280	374370	3771540	1.45E-07
281	374390	3771540	1.50E-07
282	374410	3771540	1.58E-07
283	374430	3771540	1.67E-07
284	374450	3771540	1.80E-07
285	374470	3771540	1.98E-07
286	374490	3771540	2.22E-07
287	374510	3771540	2.53E-07
288	374530	3771540	2.89E-07
289	374550	3771540	3.27E-07
290	374570	3771540	3.69E-07
291	374590	3771540	4.16E-07
292	374610	3771540	4.58E-07
293	374630	3771540	4.90E-07
294	374650	3771540	5.11E-07
295	374670	3771540	5.12E-07
296	374690	3771540	5.04E-07
297	374710	3771540	4.98E-07
298	374730	3771540	4.92E-07
299	374750	3771540	4.77E-07
300	374770	3771540	4.61E-07
301	374790	3771540	4.38E-07
302	374810	3771540	4.14E-07
303	374830	3771540	3.93E-07
304	374850	3771540	3.75E-07
305	374870	3771540	3.59E-07
306	374890	3771540	3.43E-07
307	374910	3771540	3.30E-07
308	374930	3771540	3.20E-07
309	374950	3771540	3.11E-07
310	374765	3771270	1.79E-06
311	374775	3771270	1.69E-06
312	374785	3771270	1.63E-06
313	374795	3771270	1.52E-06
314	374805	3771270	1.35E-06
315	374815	3771270	1.16E-06
316	374825	3771270	1.02E-06
317	374835	3771270	9.13E-07
318	374845	3771270	8.22E-07
319	374765	3771280	1.86E-06
320	374775	3771280	1.65E-06
321	374785	3771280	1.56E-06
322	374795	3771280	1.45E-06
323	374805	3771280	1.30E-06
324	374815	3771280	1.14E-06
325	374825	3771280	1.02E-06
326	374835	3771280	9.23E-07
327	374845	3771280	8.49E-07
328	374765	3771290	1.95E-06
329	374775	3771290	1.67E-06
330	374785	3771290	1.54E-06
331	374795	3771290	1.44E-06
332	374805	3771290	1.28E-06
333	374815	3771290	1.13E-06
334	374825	3771290	1.03E-06
335	374835	3771290	9.43E-07
336	374845	3771290	8.72E-07
337	374765	3771300	1.98E-06
338	374775	3771300	1.68E-06
339	374785	3771300	1.52E-06
340	374795	3771300	1.42E-06
341	374805	3771300	1.26E-06
342	374815	3771300	1.13E-06
343	374825	3771300	1.03E-06
344	374835	3771300	9.54E-07
345	374845	3771300	8.88E-07
346	374765	3771310	1.95E-06
347	374775	3771310	1.66E-06
348	374785	3771310	1.49E-06
349	374795	3771310	1.37E-06
350	374805	3771310	1.22E-06
351	374815	3771310	1.11E-06
352	374825	3771310	1.03E-06
353	374835	3771310	9.55E-07
354	374845	3771310	8.93E-07
355	374765	3771320	1.94E-06
356	374775	3771320	1.64E-06

Television City

Cancer Risk by Receptor - Existing Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
357	374785	3771320	5.04E-06
358	374795	3771320	4.54E-06
359	374805	3771320	4.09E-06
360	374815	3771320	3.76E-06
361	374825	3771320	3.49E-06
362	374835	3771320	3.28E-06
363	374845	3771320	3.08E-06
364	374765	3771330	6.57E-06
365	374775	3771330	5.53E-06
366	374785	3771330	4.87E-06
367	374795	3771330	4.35E-06
368	374805	3771330	3.93E-06
369	374815	3771330	3.64E-06
370	374825	3771330	3.42E-06
371	374835	3771330	3.22E-06
372	374845	3771330	3.03E-06
373	374765	3771340	6.58E-06
374	374775	3771340	5.45E-06
375	374785	3771340	4.66E-06
376	374795	3771340	4.13E-06
377	374805	3771340	3.77E-06
378	374815	3771340	3.53E-06
379	374825	3771340	3.32E-06
380	374835	3771340	3.14E-06
381	374845	3771340	2.98E-06
382	374765	3771350	6.56E-06
383	374775	3771350	5.20E-06
384	374785	3771350	4.38E-06
385	374795	3771350	3.92E-06
386	374805	3771350	3.64E-06
387	374815	3771350	3.41E-06
388	374825	3771350	3.22E-06
389	374835	3771350	3.05E-06
390	374845	3771350	2.90E-06
391	374765	3771360	6.12E-06
392	374775	3771360	4.76E-06
393	374785	3771360	4.16E-06
394	374795	3771360	3.78E-06
395	374805	3771360	3.51E-06
396	374815	3771360	3.29E-06
397	374825	3771360	3.10E-06
398	374835	3771360	2.95E-06
399	374845	3771360	2.81E-06
400	374765	3771370	5.70E-06
401	374775	3771370	4.57E-06
402	374785	3771370	4.01E-06
403	374795	3771370	3.64E-06
404	374805	3771370	3.37E-06
405	374815	3771370	3.16E-06
406	374825	3771370	2.99E-06
407	374835	3771370	2.85E-06
408	374845	3771370	2.72E-06
409	374765	3771380	5.47E-06
410	374775	3771380	4.40E-06
411	374785	3771380	3.85E-06
412	374795	3771380	3.49E-06
413	374805	3771380	3.24E-06
414	374815	3771380	3.04E-06
415	374825	3771380	2.88E-06
416	374835	3771380	2.74E-06
417	374845	3771380	2.62E-06
418	374765	3771390	5.24E-06
419	374775	3771390	4.20E-06
420	374785	3771390	3.65E-06
421	374795	3771390	3.33E-06
422	374805	3771390	3.10E-06
423	374815	3771390	2.91E-06
424	374825	3771390	2.76E-06
425	374835	3771390	2.63E-06
426	374845	3771390	2.52E-06
427	374765	3771400	4.97E-06
428	374775	3771400	3.96E-06
429	374785	3771400	3.45E-06
430	374795	3771400	3.15E-06
431	374805	3771400	2.94E-06
432	374815	3771400	2.77E-06
433	374825	3771400	2.64E-06
434	374835	3771400	2.53E-06
435	374845	3771400	2.43E-06
436	374765	3771410	4.64E-06
437	374775	3771410	3.69E-06
438	374785	3771410	3.24E-06
439	374795	3771410	2.97E-06
440	374805	3771410	2.78E-06
441	374815	3771410	2.63E-06
442	374825	3771410	2.51E-06
443	374835	3771410	2.42E-06
444	374845	3771410	2.33E-06
445	374390	3771020	4.20E-06

No.	X	Y	Risk
357	374785	3771320	3.52E-07
358	374795	3771320	3.17E-07
359	374805	3771320	2.86E-07
360	374815	3771320	2.63E-07
361	374825	3771320	2.44E-07
362	374835	3771320	2.29E-07
363	374845	3771320	2.15E-07
364	374765	3771330	4.59E-07
365	374775	3771330	3.86E-07
366	374785	3771330	3.41E-07
367	374795	3771330	3.04E-07
368	374805	3771330	2.75E-07
369	374815	3771330	2.55E-07
370	374825	3771330	2.39E-07
371	374835	3771330	2.25E-07
372	374845	3771330	2.12E-07
373	374765	3771340	4.60E-07
374	374775	3771340	3.81E-07
375	374785	3771340	3.25E-07
376	374795	3771340	2.88E-07
377	374805	3771340	2.63E-07
378	374815	3771340	2.46E-07
379	374825	3771340	2.32E-07
380	374835	3771340	2.20E-07
381	374845	3771340	2.08E-07
382	374765	3771350	4.59E-07
383	374775	3771350	3.63E-07
384	374785	3771350	3.06E-07
385	374795	3771350	2.74E-07
386	374805	3771350	2.54E-07
387	374815	3771350	2.38E-07
388	374825	3771350	2.25E-07
389	374835	3771350	2.13E-07
390	374845	3771350	2.03E-07
391	374765	3771360	4.27E-07
392	374775	3771360	3.32E-07
393	374785	3771360	2.90E-07
394	374795	3771360	2.64E-07
395	374805	3771360	2.45E-07
396	374815	3771360	2.30E-07
397	374825	3771360	2.17E-07
398	374835	3771360	2.06E-07
399	374845	3771360	1.96E-07
400	374765	3771370	3.98E-07
401	374775	3771370	3.19E-07
402	374785	3771370	2.80E-07
403	374795	3771370	2.54E-07
404	374805	3771370	2.36E-07
405	374815	3771370	2.21E-07
406	374825	3771370	2.09E-07
407	374835	3771370	1.99E-07
408	374845	3771370	1.90E-07
409	374765	3771380	3.82E-07
410	374775	3771380	3.07E-07
411	374785	3771380	2.69E-07
412	374795	3771380	2.44E-07
413	374805	3771380	2.26E-07
414	374815	3771380	2.12E-07
415	374825	3771380	2.01E-07
416	374835	3771380	1.92E-07
417	374845	3771380	1.83E-07
418	374765	3771390	3.66E-07
419	374775	3771390	2.93E-07
420	374785	3771390	2.55E-07
421	374795	3771390	2.32E-07
422	374805	3771390	2.16E-07
423	374815	3771390	2.04E-07
424	374825	3771390	1.93E-07
425	374835	3771390	1.84E-07
426	374845	3771390	1.76E-07
427	374765	3771400	3.47E-07
428	374775	3771400	2.77E-07
429	374785	3771400	2.41E-07
430	374795	3771400	2.20E-07
431	374805	3771400	2.05E-07
432	374815	3771400	1.94E-07
433	374825	3771400	1.85E-07
434	374835	3771400	1.77E-07
435	374845	3771400	1.70E-07
436	374765	3771410	3.24E-07
437	374775	3771410	2.58E-07
438	374785	3771410	2.26E-07
439	374795	3771410	2.08E-07
440	374805	3771410	1.94E-07
441	374815	3771410	1.84E-07
442	374825	3771410	1.76E-07
443	374835	3771410	1.69E-07
444	374845	3771410	1.63E-07
445	374390	3771020	2.94E-07

No.	X	Y	Risk
357	374785	3771320	1.45E-06
358	374795	3771320	1.31E-06
359	374805	3771320	1.18E-06
360	374815	3771320	1.08E-06
361	374825	3771320	1.01E-06
362	374835	3771320	9.46E-07
363	374845	3771320	8.89E-07
364	374765	3771330	1.90E-06
365	374775	3771330	1.60E-06
366	374785	3771330	1.41E-06
367	374795	3771330	1.26E-06
368	374805	3771330	1.13E-06
369	374815	3771330	1.05E-06
370	374825	3771330	9.86E-07
371	374835	3771330	9.28E-07
372	374845	3771330	8.76E-07
373	374765	3771340	1.90E-06
374	374775	3771340	1.57E-06
375	374785	3771340	1.34E-06
376	374795	3771340	1.19E-06
377	374805	3771340	1.09E-06
378	374815	3771340	1.02E-06
379	374825	3771340	9.58E-07
380	374835	3771340	9.07E-07
381	374845	3771340	8.59E-07
382	374765	3771350	1.89E-06
383	374775	3771350	1.50E-06
384	374785	3771350	1.26E-06
385	374795	3771350	1.13E-06
386	374805	3771350	1.05E-06
387	374815	3771350	9.84E-07
388	374825	3771350	9.28E-07
389	374835	3771350	8.80E-07
390	374845	3771350	8.37E-07
391	374765	3771360	1.76E-06
392	374775	3771360	1.37E-06
393	374785	3771360	1.20E-06
394	374795	3771360	1.09E-06
395	374805	3771360	1.01E-06
396	374815	3771360	9.49E-07
397	374825	3771360	8.95E-07
398	374835	3771360	8.52E-07
399	374845	3771360	8.11E-07
400	374765	3771370	1.64E-06
401	374775	3771370	1.32E-06
402	374785	3771370	1.16E-06
403	374795	3771370	1.05E-06
404	374805	3771370	9.72E-07
405	374815	3771370	9.12E-07
406	374825	3771370	8.63E-07
407	374835	3771370	8.22E-07
408	374845	3771370	7.85E-07
409	374765	3771380	1.58E-06
410	374775	3771380	1.27E-06
411	374785	3771380	1.11E-06
412	374795	3771380	1.01E-06
413	374805	3771380	9.33E-07
414	374815	3771380	8.77E-07
415	374825	3771380	8.30E-07
416	374835	3771380	7.91E-07
417	374845	3771380	7.56E-07
418	374765	3771390	1.51E-06
419	374775	3771390	1.21E-06
420	374785	3771390	1.05E-06
421	374795	3771390	9.59E-07
422	374805	3771390	8.92E-07
423	374815	3771390	8.40E-07
424	374825	3771390	7.96E-07
425	374835	3771390	7.60E-07
426	374845	3771390	7.28E-07
427	374765	3771400	1.43E-06
428	374775	3771400	1.14E-06
429	374785	3771400	9.93E-07
430	374795	3771400	9.08E-07
431	374805	3771400	8.46E-07
432	374815	3771400	7.99E-07
433	374825	3771400	7.62E-07
434	374835	3771400	7.29E-07
435	374845	3771400	7.00E-07
436	374765	3771410	1.34E-06
437	374775	3771410	1.06E-06
438	374785	3771410	9.33E-07
439	374795	3771410	8.56E-07
440	374805	3771410	8.01E-07
441	374815	3771410	7.59E-07
442	374825	3771410	7.24E-07
443	374835	3771410	6.97E-07
444	374845	3771410	6.71E-07
445	374390	3771020	1.22E-06

Television City

Cancer Risk by Receptor - Existing Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
446	374410	3771020	4.22E-06
447	374430	3771020	4.15E-06
448	374450	3771020	4.02E-06
449	374470	3771020	3.80E-06
450	374490	3771020	3.52E-06
451	374510	3771020	3.23E-06
452	374530	3771020	2.87E-06
453	374550	3771020	2.46E-06
454	374570	3771020	2.05E-06
455	374590	3771020	1.71E-06
456	374610	3771020	1.44E-06
457	374630	3771020	1.24E-06
458	374650	3771020	1.09E-06
459	374670	3771020	9.83E-07
460	374690	3771020	9.01E-07
461	374710	3771020	8.40E-07
462	374730	3771020	7.94E-07
463	374750	3771020	7.50E-07
464	374770	3771020	7.16E-07
465	374790	3771020	6.89E-07
466	374810	3771020	6.70E-07
467	374830	3771020	6.57E-07
468	374390	3771040	4.40E-06
469	374410	3771040	4.46E-06
470	374430	3771040	4.49E-06
471	374450	3771040	4.40E-06
472	374470	3771040	4.25E-06
473	374490	3771040	3.95E-06
474	374510	3771040	3.65E-06
475	374530	3771040	3.28E-06
476	374550	3771040	2.83E-06
477	374570	3771040	2.36E-06
478	374590	3771040	1.95E-06
479	374610	3771040	1.62E-06
480	374630	3771040	1.37E-06
481	374650	3771040	1.18E-06
482	374670	3771040	1.05E-06
483	374690	3771040	9.56E-07
484	374710	3771040	8.87E-07
485	374730	3771040	8.37E-07
486	374750	3771040	7.91E-07
487	374770	3771040	7.52E-07
488	374790	3771040	7.22E-07
489	374810	3771040	7.03E-07
490	374830	3771040	6.88E-07
491	374390	3771060	4.53E-06
492	374410	3771060	4.71E-06
493	374430	3771060	4.79E-06
494	374450	3771060	4.83E-06
495	374470	3771060	4.72E-06
496	374490	3771060	4.51E-06
497	374510	3771060	4.11E-06
498	374530	3771060	3.75E-06
499	374550	3771060	3.26E-06
500	374570	3771060	2.74E-06
501	374590	3771060	2.24E-06
502	374610	3771060	1.84E-06
503	374630	3771060	1.53E-06
504	374650	3771060	1.30E-06
505	374670	3771060	1.13E-06
506	374690	3771060	1.02E-06
507	374710	3771060	9.46E-07
508	374730	3771060	8.93E-07
509	374750	3771060	8.41E-07
510	374770	3771060	7.97E-07
511	374790	3771060	7.67E-07
512	374810	3771060	7.44E-07
513	374830	3771060	7.27E-07
514	374390	3771080	4.58E-06
515	374410	3771080	4.88E-06
516	374430	3771080	5.07E-06
517	374450	3771080	5.19E-06
518	374470	3771080	5.25E-06
519	374490	3771080	5.13E-06
520	374510	3771080	4.82E-06
521	374530	3771080	4.31E-06
522	374550	3771080	3.81E-06
523	374570	3771080	3.21E-06
524	374590	3771080	2.62E-06
525	374610	3771080	2.13E-06
526	374630	3771080	1.74E-06
527	374650	3771080	1.45E-06
528	374670	3771080	1.25E-06
529	374690	3771080	1.11E-06
530	374710	3771080	1.03E-06
531	374730	3771080	9.66E-07
532	374750	3771080	9.06E-07
533	374770	3771080	8.59E-07
534	374790	3771080	8.21E-07

No.	X	Y	Risk
446	374410	3771020	2.95E-07
447	374430	3771020	2.90E-07
448	374450	3771020	2.81E-07
449	374470	3771020	2.66E-07
450	374490	3771020	2.46E-07
451	374510	3771020	2.26E-07
452	374530	3771020	2.01E-07
453	374550	3771020	1.72E-07
454	374570	3771020	1.43E-07
455	374590	3771020	1.20E-07
456	374610	3771020	1.01E-07
457	374630	3771020	8.68E-08
458	374650	3771020	7.62E-08
459	374670	3771020	6.86E-08
460	374690	3771020	6.29E-08
461	374710	3771020	5.86E-08
462	374730	3771020	5.54E-08
463	374750	3771020	5.24E-08
464	374770	3771020	5.00E-08
465	374790	3771020	4.82E-08
466	374810	3771020	4.68E-08
467	374830	3771020	4.59E-08
468	374390	3771040	3.08E-07
469	374410	3771040	3.12E-07
470	374430	3771040	3.14E-07
471	374450	3771040	3.08E-07
472	374470	3771040	2.97E-07
473	374490	3771040	2.76E-07
474	374510	3771040	2.55E-07
475	374530	3771040	2.29E-07
476	374550	3771040	1.98E-07
477	374570	3771040	1.65E-07
478	374590	3771040	1.36E-07
479	374610	3771040	1.13E-07
480	374630	3771040	9.56E-08
481	374650	3771040	8.26E-08
482	374670	3771040	7.34E-08
483	374690	3771040	6.67E-08
484	374710	3771040	6.19E-08
485	374730	3771040	5.85E-08
486	374750	3771040	5.52E-08
487	374770	3771040	5.25E-08
488	374790	3771040	5.04E-08
489	374810	3771040	4.91E-08
490	374830	3771040	4.81E-08
491	374390	3771060	3.17E-07
492	374410	3771060	3.29E-07
493	374430	3771060	3.35E-07
494	374450	3771060	3.38E-07
495	374470	3771060	3.30E-07
496	374490	3771060	3.16E-07
497	374510	3771060	2.87E-07
498	374530	3771060	2.62E-07
499	374550	3771060	2.28E-07
500	374570	3771060	1.91E-07
501	374590	3771060	1.56E-07
502	374610	3771060	1.28E-07
503	374630	3771060	1.07E-07
504	374650	3771060	9.06E-08
505	374670	3771060	7.92E-08
506	374690	3771060	7.14E-08
507	374710	3771060	6.60E-08
508	374730	3771060	6.23E-08
509	374750	3771060	5.87E-08
510	374770	3771060	5.57E-08
511	374790	3771060	5.36E-08
512	374810	3771060	5.19E-08
513	374830	3771060	5.08E-08
514	374390	3771080	3.20E-07
515	374410	3771080	3.41E-07
516	374430	3771080	3.54E-07
517	374450	3771080	3.63E-07
518	374470	3771080	3.67E-07
519	374490	3771080	3.59E-07
520	374510	3771080	3.37E-07
521	374530	3771080	3.01E-07
522	374550	3771080	2.66E-07
523	374570	3771080	2.24E-07
524	374590	3771080	1.83E-07
525	374610	3771080	1.49E-07
526	374630	3771080	1.21E-07
527	374650	3771080	1.01E-07
528	374670	3771080	8.70E-08
529	374690	3771080	7.77E-08
530	374710	3771080	7.16E-08
531	374730	3771080	6.74E-08
532	374750	3771080	6.32E-08
533	374770	3771080	5.99E-08
534	374790	3771080	5.73E-08

No.	X	Y	Risk
446	374410	3771020	1.22E-06
447	374430	3771020	1.20E-06
448	374450	3771020	1.17E-06
449	374470	3771020	1.10E-06
450	374490	3771020	1.02E-06
451	374510	3771020	9.35E-07
452	374530	3771020	8.31E-07
453	374550	3771020	7.11E-07
454	374570	3771020	5.92E-07
455	374590	3771020	4.95E-07
456	374610	3771020	4.17E-07
457	374630	3771020	3.58E-07
458	374650	3771020	3.14E-07
459	374670	3771020	2.83E-07
460	374690	3771020	2.59E-07
461	374710	3771020	2.42E-07
462	374730	3771020	2.29E-07
463	374750	3771020	2.16E-07
464	374770	3771020	2.06E-07
465	374790	3771020	1.99E-07
466	374810	3771020	1.93E-07
467	374830	3771020	1.90E-07
468	374390	3771040	1.27E-06
469	374410	3771040	1.29E-06
470	374430	3771040	1.30E-06
471	374450	3771040	1.27E-06
472	374470	3771040	1.23E-06
473	374490	3771040	1.14E-06
474	374510	3771040	1.06E-06
475	374530	3771040	9.48E-07
476	374550	3771040	8.17E-07
477	374570	3771040	6.81E-07
478	374590	3771040	5.62E-07
479	374610	3771040	4.67E-07
480	374630	3771040	3.95E-07
481	374650	3771040	3.41E-07
482	374670	3771040	3.02E-07
483	374690	3771040	2.75E-07
484	374710	3771040	2.55E-07
485	374730	3771040	2.41E-07
486	374750	3771040	2.28E-07
487	374770	3771040	2.17E-07
488	374790	3771040	2.08E-07
489	374810	3771040	2.03E-07
490	374830	3771040	1.98E-07
491	374390	3771060	1.31E-06
492	374410	3771060	1.36E-06
493	374430	3771060	1.39E-06
494	374450	3771060	1.40E-06
495	374470	3771060	1.37E-06
496	374490	3771060	1.31E-06
497	374510	3771060	1.19E-06
498	374530	3771060	1.08E-06
499	374550	3771060	9.43E-07
500	374570	3771060	7.91E-07
501	374590	3771060	6.46E-07
502	374610	3771060	5.30E-07
503	374630	3771060	4.40E-07
504	374650	3771060	3.73E-07
505	374670	3771060	3.26E-07
506	374690	3771060	2.94E-07
507	374710	3771060	2.72E-07
508	374730	3771060	2.57E-07
509	374750	3771060	2.42E-07
510	374770	3771060	2.30E-07
511	374790	3771060	2.21E-07
512	374810	3771060	2.14E-07
513	374830	3771060	2.10E-07
514	374390	3771080	1.33E-06
515	374410	3771080	1.41E-06
516	374430	3771080	1.47E-06
517	374450	3771080	1.50E-06
518	374470	3771080	1.52E-06
519	374490	3771080	1.48E-06
520	374510	3771080	1.39E-06
521	374530	3771080	1.25E-06
522	374550	3771080	1.10E-06
523	374570	3771080	9.27E-07
524	374590	3771080	7.56E-07
525	374610	3771080	6.14E-07
526	374630	3771080	5.00E-07
527	374650	3771080	4.16E-07
528	374670	3771080	3.58E-07
529	374690	3771080	3.20E-07
530	374710	3771080	2.95E-07
531	374730	3771080	2.78E-07
532	374750	3771080	2.61E-07
533	374770	3771080	2.47E-07
534	374790	3771080	2.36E-07

Television City

Cancer Risk by Receptor - Existing Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
535	374810	3771080	7.95E-07
536	374830	3771080	7.73E-07
537	374390	3771100	4.54E-06
538	374410	3771100	4.95E-06
539	374430	3771100	5.27E-06
540	374450	3771100	5.58E-06
541	374470	3771100	6.03E-06
542	374490	3771100	6.22E-06
543	374510	3771100	5.87E-06
544	374530	3771100	5.17E-06
545	374550	3771100	4.48E-06
546	374570	3771100	3.83E-06
547	374590	3771100	3.14E-06
548	374610	3771100	2.53E-06
549	374630	3771100	2.03E-06
550	374650	3771100	1.66E-06
551	374670	3771100	1.40E-06
552	374690	3771100	1.24E-06
553	374710	3771100	1.14E-06
554	374730	3771100	1.07E-06
555	374750	3771100	9.94E-07
556	374770	3771100	9.37E-07
557	374790	3771100	8.93E-07
558	374810	3771100	8.59E-07
559	374830	3771100	8.30E-07
560	374390	3771120	4.40E-06
561	374410	3771120	4.92E-06
562	374430	3771120	5.47E-06
563	374450	3771120	6.60E-06
564	374470	3771120	7.17E-06
565	374490	3771120	7.22E-06
566	374510	3771120	6.97E-06
567	374530	3771120	6.27E-06
568	374550	3771120	5.38E-06
569	374570	3771120	4.66E-06
570	374590	3771120	3.89E-06
571	374610	3771120	3.10E-06
572	374630	3771120	2.44E-06
573	374650	3771120	1.95E-06
574	374670	3771120	1.62E-06
575	374690	3771120	1.44E-06
576	374710	3771120	1.30E-06
577	374730	3771120	1.21E-06
578	374750	3771120	1.12E-06
579	374770	3771120	1.05E-06
580	374790	3771120	9.91E-07
581	374810	3771120	9.45E-07
582	374830	3771120	9.04E-07
583	374390	3771140	4.18E-06
584	374410	3771140	4.95E-06
585	374430	3771140	5.82E-06
586	374450	3771140	6.03E-06
587	374470	3771140	6.10E-06
588	374490	3771140	6.56E-06
589	374510	3771140	6.97E-06
590	374530	3771140	7.07E-06
591	374550	3771140	6.79E-06
592	374570	3771140	5.84E-06
593	374590	3771140	4.96E-06
594	374610	3771140	3.92E-06
595	374630	3771140	3.01E-06
596	374650	3771140	2.34E-06
597	374390	3771160	4.07E-06
598	374410	3771160	5.16E-06
599	374430	3771160	5.41E-06
600	374450	3771160	5.72E-06
601	374470	3771160	5.77E-06
602	374490	3771160	5.42E-06
603	374510	3771160	5.18E-06
604	374530	3771160	5.48E-06
605	374550	3771160	7.94E-06
606	374570	3771160	7.70E-06
607	374590	3771160	6.52E-06
608	374610	3771160	5.08E-06
609	374630	3771160	3.82E-06
610	374650	3771160	2.90E-06
611	374400	3770680	1.01E-06
612	374420	3770680	9.29E-07
613	374440	3770680	8.46E-07
614	374460	3770680	7.72E-07
615	374480	3770680	7.07E-07
616	374500	3770680	6.49E-07
617	374520	3770680	6.02E-07
618	374540	3770680	5.64E-07
619	374560	3770680	5.34E-07
620	374580	3770680	5.10E-07
621	374400	3770700	1.10E-06
622	374420	3770700	1.01E-06
623	374440	3770700	9.24E-07

No.	X	Y	Risk
535	374810	3771080	5.55E-08
536	374830	3771080	5.40E-08
537	374390	3771100	3.17E-07
538	374410	3771100	3.46E-07
539	374430	3771100	3.69E-07
540	374450	3771100	3.90E-07
541	374470	3771100	4.22E-07
542	374490	3771100	4.35E-07
543	374510	3771100	4.10E-07
544	374530	3771100	3.61E-07
545	374550	3771100	3.13E-07
546	374570	3771100	2.67E-07
547	374590	3771100	2.19E-07
548	374610	3771100	1.77E-07
549	374630	3771100	1.42E-07
550	374650	3771100	1.16E-07
551	374670	3771100	9.78E-08
552	374690	3771100	8.67E-08
553	374710	3771100	7.95E-08
554	374730	3771100	7.45E-08
555	374750	3771100	6.94E-08
556	374770	3771100	6.54E-08
557	374790	3771100	6.23E-08
558	374810	3771100	6.00E-08
559	374830	3771100	5.80E-08
560	374390	3771120	3.08E-07
561	374410	3771120	3.44E-07
562	374430	3771120	3.83E-07
563	374450	3771120	4.62E-07
564	374470	3771120	5.01E-07
565	374490	3771120	5.05E-07
566	374510	3771120	4.87E-07
567	374530	3771120	4.38E-07
568	374550	3771120	3.76E-07
569	374570	3771120	3.25E-07
570	374590	3771120	2.71E-07
571	374610	3771120	2.16E-07
572	374630	3771120	1.70E-07
573	374650	3771120	1.36E-07
574	374670	3771120	1.13E-07
575	374690	3771120	1.00E-07
576	374710	3771120	9.10E-08
577	374730	3771120	8.41E-08
578	374750	3771120	7.84E-08
579	374770	3771120	7.30E-08
580	374790	3771120	6.92E-08
581	374810	3771120	6.60E-08
582	374830	3771120	6.31E-08
583	374390	3771140	2.92E-07
584	374410	3771140	3.46E-07
585	374430	3771140	4.07E-07
586	374450	3771140	4.22E-07
587	374470	3771140	4.26E-07
588	374490	3771140	4.59E-07
589	374510	3771140	4.87E-07
590	374530	3771140	4.94E-07
591	374550	3771140	4.75E-07
592	374570	3771140	4.08E-07
593	374590	3771140	3.46E-07
594	374610	3771140	2.74E-07
595	374630	3771140	2.10E-07
596	374650	3771140	1.63E-07
597	374390	3771160	2.85E-07
598	374410	3771160	3.61E-07
599	374430	3771160	3.78E-07
600	374450	3771160	3.99E-07
601	374470	3771160	4.03E-07
602	374490	3771160	3.79E-07
603	374510	3771160	3.62E-07
604	374530	3771160	3.83E-07
605	374550	3771160	5.55E-07
606	374570	3771160	5.38E-07
607	374590	3771160	4.55E-07
608	374610	3771160	3.55E-07
609	374630	3771160	2.66E-07
610	374650	3771160	2.02E-07
611	374400	3770680	7.08E-08
612	374420	3770680	6.50E-08
613	374440	3770680	5.92E-08
614	374460	3770680	5.40E-08
615	374480	3770680	4.94E-08
616	374500	3770680	4.54E-08
617	374520	3770680	4.21E-08
618	374540	3770680	3.94E-08
619	374560	3770680	3.73E-08
620	374580	3770680	3.57E-08
621	374400	3770700	7.69E-08
622	374420	3770700	7.09E-08
623	374440	3770700	6.46E-08

No.	X	Y	Risk
535	374810	3771080	2.29E-07
536	374830	3771080	2.23E-07
537	374390	3771100	1.31E-06
538	374410	3771100	1.43E-06
539	374430	3771100	1.53E-06
540	374450	3771100	1.62E-06
541	374470	3771100	1.75E-06
542	374490	3771100	1.80E-06
543	374510	3771100	1.70E-06
544	374530	3771100	1.50E-06
545	374550	3771100	1.29E-06
546	374570	3771100	1.11E-06
547	374590	3771100	9.05E-07
548	374610	3771100	7.29E-07
549	374630	3771100	5.84E-07
550	374650	3771100	4.76E-07
551	374670	3771100	4.03E-07
552	374690	3771100	3.57E-07
553	374710	3771100	3.27E-07
554	374730	3771100	3.07E-07
555	374750	3771100	2.86E-07
556	374770	3771100	2.69E-07
557	374790	3771100	2.57E-07
558	374810	3771100	2.47E-07
559	374830	3771100	2.39E-07
560	374390	3771120	1.27E-06
561	374410	3771120	1.42E-06
562	374430	3771120	1.58E-06
563	374450	3771120	1.91E-06
564	374470	3771120	2.07E-06
565	374490	3771120	2.09E-06
566	374510	3771120	2.02E-06
567	374530	3771120	1.81E-06
568	374550	3771120	1.55E-06
569	374570	3771120	1.34E-06
570	374590	3771120	1.12E-06
571	374610	3771120	8.91E-07
572	374630	3771120	7.01E-07
573	374650	3771120	5.59E-07
574	374670	3771120	4.66E-07
575	374690	3771120	4.12E-07
576	374710	3771120	3.75E-07
577	374730	3771120	3.46E-07
578	374750	3771120	3.23E-07
579	374770	3771120	3.01E-07
580	374790	3771120	2.85E-07
581	374810	3771120	2.72E-07
582	374830	3771120	2.60E-07
583	374390	3771140	1.21E-06
584	374410	3771140	1.43E-06
585	374430	3771140	1.68E-06
586	374450	3771140	1.74E-06
587	374470	3771140	1.76E-06
588	374490	3771140	1.90E-06
589	374510	3771140	2.01E-06
590	374530	3771140	2.04E-06
591	374550	3771140	1.96E-06
592	374570	3771140	1.68E-06
593	374590	3771140	1.43E-06
594	374610	3771140	1.13E-06
595	374630	3771140	8.64E-07
596	374650	3771140	6.73E-07
597	374390	3771160	1.18E-06
598	374410	3771160	1.49E-06
599	374430	3771160	1.56E-06
600	374450	3771160	1.65E-06
601	374470	3771160	1.67E-06
602	374490	3771160	1.57E-06
603	374510	3771160	1.50E-06
604	374530	3771160	1.58E-06
605	374550	3771160	2.29E-06
606	374570	3771160	2.22E-06
607	374590	3771160	1.88E-06
608	374610	3771160	1.46E-06
609	374630	3771160	1.10E-06
610	374650	3771160	8.32E-07
611	374400	3770680	2.93E-07
612	374420	3770680	2.69E-07
613	374440	3770680	2.45E-07
614	374460	3770680	2.24E-07
615	374480	3770680	2.05E-07
616	374500	3770680	1.88E-07
617	374520	3770680	1.74E-07
618	374540	3770680	1.63E-07
619	374560	3770680	1.55E-07
620	374580	3770680	1.48E-07
621	374400	3770700	3.19E-07
622	374420	3770700	2.94E-07
623	374440	3770700	2.68E-07

Television City

Cancer Risk by Receptor - Existing Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
624	374460	3770700	8.38E-07
625	374480	3770700	7.62E-07
626	374500	3770700	6.97E-07
627	374520	3770700	6.43E-07
628	374540	3770700	6.00E-07
629	374560	3770700	5.65E-07
630	374580	3770700	5.38E-07
631	374400	3770720	1.20E-06
632	374420	3770720	1.10E-06
633	374440	3770720	1.00E-06
634	374460	3770720	9.12E-07
635	374480	3770720	8.27E-07
636	374500	3770720	7.51E-07
637	374520	3770720	6.90E-07
638	374540	3770720	6.39E-07
639	374560	3770720	5.99E-07
640	374580	3770720	5.67E-07
641	374400	3770740	1.31E-06
642	374420	3770740	1.20E-06
643	374440	3770740	1.10E-06
644	374460	3770740	9.91E-07
645	374480	3770740	8.96E-07
646	374500	3770740	8.11E-07
647	374520	3770740	7.43E-07
648	374540	3770740	6.84E-07
649	374560	3770740	6.37E-07
650	374580	3770740	5.99E-07
651	374860	3771020	6.34E-07
652	374880	3771020	6.01E-07
653	374900	3771020	5.83E-07
654	374920	3771020	5.71E-07
655	374940	3771020	5.60E-07
656	374960	3771020	5.52E-07
657	374860	3771040	6.66E-07
658	374880	3771040	6.32E-07
659	374900	3771040	6.10E-07
660	374920	3771040	5.93E-07
661	374940	3771040	5.81E-07
662	374960	3771040	5.73E-07
663	374860	3771060	7.01E-07
664	374880	3771060	6.66E-07
665	374900	3771060	6.36E-07
666	374920	3771060	6.17E-07
667	374940	3771060	6.02E-07
668	374960	3771060	5.93E-07
669	374860	3771080	7.41E-07
670	374880	3771080	7.00E-07
671	374900	3771080	6.66E-07
672	374920	3771080	6.44E-07
673	374940	3771080	6.30E-07
674	374960	3771080	6.21E-07
675	374860	3771100	7.89E-07
676	374880	3771100	7.38E-07
677	374900	3771100	7.02E-07
678	374920	3771100	6.78E-07
679	374940	3771100	6.66E-07
680	374960	3771100	6.60E-07
681	374860	3771120	8.49E-07
682	374880	3771120	7.90E-07
683	374900	3771120	7.48E-07
684	374920	3771120	7.27E-07
685	374940	3771120	7.18E-07
686	374960	3771120	7.24E-07
687	374860	3771140	9.33E-07
688	374880	3771140	8.63E-07
689	374900	3771140	8.21E-07
690	374920	3771140	7.94E-07
691	374940	3771140	7.89E-07
692	374960	3771140	8.05E-07
693	374860	3771160	1.10E-06
694	374880	3771160	9.82E-07
695	374900	3771160	9.22E-07
696	374920	3771160	8.89E-07
697	374940	3771160	8.82E-07
698	374960	3771160	9.02E-07
699	374860	3771180	1.35E-06
700	374880	3771180	1.13E-06
701	374900	3771180	1.06E-06
702	374920	3771180	1.02E-06
703	374940	3771180	9.98E-07
704	374960	3771180	1.02E-06
705	374860	3771200	1.64E-06
706	374880	3771200	1.32E-06
707	374900	3771200	1.23E-06
708	374920	3771200	1.17E-06
709	374940	3771200	1.14E-06
710	374960	3771200	1.15E-06
711	374860	3771220	1.84E-06
712	374880	3771220	1.59E-06

No.	X	Y	Risk
624	374460	3770700	5.86E-08
625	374480	3770700	5.33E-08
626	374500	3770700	4.87E-08
627	374520	3770700	4.49E-08
628	374540	3770700	4.20E-08
629	374560	3770700	3.95E-08
630	374580	3770700	3.76E-08
631	374400	3770720	8.40E-08
632	374420	3770720	7.71E-08
633	374440	3770720	7.01E-08
634	374460	3770720	6.38E-08
635	374480	3770720	5.79E-08
636	374500	3770720	5.25E-08
637	374520	3770720	4.83E-08
638	374540	3770720	4.47E-08
639	374560	3770720	4.19E-08
640	374580	3770720	3.96E-08
641	374400	3770740	9.17E-08
642	374420	3770740	8.40E-08
643	374440	3770740	7.66E-08
644	374460	3770740	6.93E-08
645	374480	3770740	6.27E-08
646	374500	3770740	5.67E-08
647	374520	3770740	5.20E-08
648	374540	3770740	4.78E-08
649	374560	3770740	4.46E-08
650	374580	3770740	4.19E-08
651	374860	3771020	4.43E-08
652	374880	3771020	4.20E-08
653	374900	3771020	4.08E-08
654	374920	3771020	3.99E-08
655	374940	3771020	3.91E-08
656	374960	3771020	3.86E-08
657	374860	3771040	4.66E-08
658	374880	3771040	4.42E-08
659	374900	3771040	4.26E-08
660	374920	3771040	4.14E-08
661	374940	3771040	4.06E-08
662	374960	3771040	4.00E-08
663	374860	3771060	4.90E-08
664	374880	3771060	4.65E-08
665	374900	3771060	4.44E-08
666	374920	3771060	4.31E-08
667	374940	3771060	4.21E-08
668	374960	3771060	4.14E-08
669	374860	3771080	5.17E-08
670	374880	3771080	4.89E-08
671	374900	3771080	4.65E-08
672	374920	3771080	4.50E-08
673	374940	3771080	4.40E-08
674	374960	3771080	4.34E-08
675	374860	3771100	5.51E-08
676	374880	3771100	5.15E-08
677	374900	3771100	4.90E-08
678	374920	3771100	4.74E-08
679	374940	3771100	4.65E-08
680	374960	3771100	4.62E-08
681	374860	3771120	5.93E-08
682	374880	3771120	5.52E-08
683	374900	3771120	5.23E-08
684	374920	3771120	5.08E-08
685	374940	3771120	5.02E-08
686	374960	3771120	5.06E-08
687	374860	3771140	6.51E-08
688	374880	3771140	6.02E-08
689	374900	3771140	5.73E-08
690	374920	3771140	5.55E-08
691	374940	3771140	5.52E-08
692	374960	3771140	5.63E-08
693	374860	3771160	7.71E-08
694	374880	3771160	6.86E-08
695	374900	3771160	6.44E-08
696	374920	3771160	6.21E-08
697	374940	3771160	6.16E-08
698	374960	3771160	6.30E-08
699	374860	3771180	9.45E-08
700	374880	3771180	7.91E-08
701	374900	3771180	7.41E-08
702	374920	3771180	7.10E-08
703	374940	3771180	6.97E-08
704	374960	3771180	7.10E-08
705	374860	3771200	1.14E-07
706	374880	3771200	9.25E-08
707	374900	3771200	8.59E-08
708	374920	3771200	8.16E-08
709	374940	3771200	7.94E-08
710	374960	3771200	8.00E-08
711	374860	3771220	1.29E-07
712	374880	3771220	1.11E-07

No.	X	Y	Risk
624	374460	3770700	2.43E-07
625	374480	3770700	2.21E-07
626	374500	3770700	2.02E-07
627	374520	3770700	1.86E-07
628	374540	3770700	1.74E-07
629	374560	3770700	1.64E-07
630	374580	3770700	1.56E-07
631	374400	3770720	3.48E-07
632	374420	3770720	3.19E-07
633	374440	3770720	2.91E-07
634	374460	3770720	2.64E-07
635	374480	3770720	2.40E-07
636	374500	3770720	2.17E-07
637	374520	3770720	2.00E-07
638	374540	3770720	1.85E-07
639	374560	3770720	1.73E-07
640	374580	3770720	1.64E-07
641	374400	3770740	3.80E-07
642	374420	3770740	3.48E-07
643	374440	3770740	3.17E-07
644	374460	3770740	2.87E-07
645	374480	3770740	2.60E-07
646	374500	3770740	2.35E-07
647	374520	3770740	2.15E-07
648	374540	3770740	1.98E-07
649	374560	3770740	1.84E-07
650	374580	3770740	1.73E-07
651	374860	3771020	1.83E-07
652	374880	3771020	1.73E-07
653	374900	3771020	1.68E-07
654	374920	3771020	1.65E-07
655	374940	3771020	1.62E-07
656	374960	3771020	1.59E-07
657	374860	3771040	1.92E-07
658	374880	3771040	1.83E-07
659	374900	3771040	1.76E-07
660	374920	3771040	1.71E-07
661	374940	3771040	1.68E-07
662	374960	3771040	1.66E-07
663	374860	3771060	2.02E-07
664	374880	3771060	1.92E-07
665	374900	3771060	1.84E-07
666	374920	3771060	1.78E-07
667	374940	3771060	1.74E-07
668	374960	3771060	1.71E-07
669	374860	3771080	2.14E-07
670	374880	3771080	2.02E-07
671	374900	3771080	1.92E-07
672	374920	3771080	1.86E-07
673	374940	3771080	1.82E-07
674	374960	3771080	1.79E-07
675	374860	3771100	2.27E-07
676	374880	3771100	2.13E-07
677	374900	3771100	2.02E-07
678	374920	3771100	1.96E-07
679	374940	3771100	1.92E-07
680	374960	3771100	1.91E-07
681	374860	3771120	2.45E-07
682	374880	3771120	2.28E-07
683	374900	3771120	2.16E-07
684	374920	3771120	2.10E-07
685	374940	3771120	2.07E-07
686	374960	3771120	2.09E-07
687	374860	3771140	2.69E-07
688	374880	3771140	2.49E-07
689	374900	3771140	2.37E-07
690	374920	3771140	2.29E-07
691	374940	3771140	2.28E-07
692	374960	3771140	2.33E-07
693	374860	3771160	3.18E-07
694	374880	3771160	2.83E-07
695	374900	3771160	2.66E-07
696	374920	3771160	2.57E-07
697	374940	3771160	2.55E-07
698	374960	3771160	2.61E-07
699	374860	3771180	3.90E-07
700	374880	3771180	3.27E-07
701	374900	3771180	3.06E-07
702	374920	3771180	2.93E-07
703	374940	3771180	2.88E-07
704	374960	3771180	2.93E-07
705	374860	3771200	4.72E-07
706	374880	3771200	3.82E-07
707	374900	3771200	3.55E-07
708	374920	3771200	3.37E-07
709	374940	3771200	3.28E-07
710	374960	3771200	3.31E-07
711	374860	3771220	5.33E-07
712	374880	3771220	4.60E-07

Television City

Cancer Risk by Receptor - Existing Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
713	374900	3771220	1.44E-06
714	374920	3771220	1.33E-06
715	374940	3771220	1.29E-06
716	374960	3771220	1.28E-06
717	374860	3771240	2.14E-06
718	374880	3771240	1.86E-06
719	374900	3771240	1.66E-06
720	374920	3771240	1.53E-06
721	374940	3771240	1.45E-06
722	374960	3771240	1.40E-06
723	374860	3771260	2.41E-06
724	374880	3771260	2.11E-06
725	374900	3771260	1.89E-06
726	374920	3771260	1.73E-06
727	374940	3771260	1.61E-06
728	374960	3771260	1.51E-06
729	374860	3771280	2.63E-06
730	374880	3771280	2.30E-06
731	374900	3771280	2.07E-06
732	374920	3771280	1.89E-06
733	374940	3771280	1.74E-06
734	374960	3771280	1.61E-06
735	374390	3771175	4.37E-06
736	374410	3771175	5.12E-06
737	374430	3771175	5.47E-06
738	374450	3771175	6.02E-06
739	374470	3771175	6.23E-06
740	374490	3771175	6.09E-06
741	374510	3771175	5.80E-06
742	374530	3771175	5.63E-06
743	374550	3771175	7.40E-06
744	374570	3771175	9.82E-06
745	374590	3771175	8.39E-06
746	374610	3771175	6.51E-06
747	374630	3771175	4.76E-06
748	374650	3771175	3.61E-06
749	374670	3771130	1.76E-06
750	374690	3771130	1.57E-06
751	374710	3771130	1.41E-06
752	374730	3771130	1.30E-06
753	374750	3771130	1.22E-06
754	374770	3771130	1.14E-06
755	374790	3771130	1.05E-06
756	374810	3771130	9.97E-07
757	374830	3771130	9.49E-07
758	374765	3771270	6.43E-06
759	374775	3771270	5.69E-06
760	374785	3771270	5.26E-06
761	374795	3771270	4.86E-06
762	374805	3771270	4.36E-06
763	374815	3771270	3.89E-06
764	374825	3771270	3.50E-06
765	374835	3771270	3.19E-06
766	374845	3771270	2.93E-06
767	374765	3771280	6.78E-06
768	374775	3771280	5.80E-06
769	374785	3771280	5.29E-06
770	374795	3771280	4.88E-06
771	374805	3771280	4.38E-06
772	374815	3771280	3.91E-06
773	374825	3771280	3.57E-06
774	374835	3771280	3.27E-06
775	374845	3771280	3.03E-06
776	374765	3771290	6.47E-06
777	374775	3771290	5.66E-06
778	374765	3771300	6.07E-06
779	374775	3771300	5.40E-06
780	374765	3771310	5.72E-06
781	374775	3771310	5.19E-06
782	374765	3771320	5.58E-06
783	374775	3771320	5.02E-06
784	374765	3771330	5.39E-06
785	374775	3771330	4.91E-06
786	374765	3771340	5.38E-06
787	374775	3771340	4.84E-06
788	374765	3771350	5.47E-06
789	374775	3771350	4.67E-06
790	374765	3771360	5.01E-06
791	374775	3771360	4.37E-06
792	374765	3771370	4.79E-06
793	374775	3771370	4.22E-06
794	374765	3771380	4.59E-06
795	374775	3771380	4.05E-06
796	374765	3771390	4.37E-06
797	374775	3771390	3.87E-06
798	374765	3771400	4.14E-06
799	374775	3771400	3.66E-06
800	374765	3771410	3.89E-06
801	374775	3771410	3.44E-06

No.	X	Y	Risk
713	374900	3771220	1.00E-07
714	374920	3771220	9.31E-08
715	374940	3771220	9.00E-08
716	374960	3771220	8.95E-08
717	374860	3771240	1.50E-07
718	374880	3771240	1.30E-07
719	374900	3771240	1.16E-07
720	374920	3771240	1.07E-07
721	374940	3771240	1.01E-07
722	374960	3771240	9.78E-08
723	374860	3771260	1.69E-07
724	374880	3771260	1.47E-07
725	374900	3771260	1.32E-07
726	374920	3771260	1.21E-07
727	374940	3771260	1.13E-07
728	374960	3771260	1.06E-07
729	374860	3771280	1.84E-07
730	374880	3771280	1.61E-07
731	374900	3771280	1.45E-07
732	374920	3771280	1.32E-07
733	374940	3771280	1.22E-07
734	374960	3771280	1.13E-07
735	374390	3771175	3.05E-07
736	374410	3771175	3.58E-07
737	374430	3771175	3.82E-07
738	374450	3771175	4.21E-07
739	374470	3771175	4.35E-07
740	374490	3771175	4.26E-07
741	374510	3771175	4.05E-07
742	374530	3771175	3.93E-07
743	374550	3771175	5.17E-07
744	374570	3771175	6.86E-07
745	374590	3771175	5.86E-07
746	374610	3771175	4.55E-07
747	374630	3771175	3.32E-07
748	374650	3771175	2.52E-07
749	374670	3771130	1.23E-07
750	374690	3771130	1.09E-07
751	374710	3771130	9.84E-08
752	374730	3771130	9.08E-08
753	374750	3771130	8.49E-08
754	374770	3771130	7.99E-08
755	374790	3771130	7.34E-08
756	374810	3771130	6.96E-08
757	374830	3771130	6.62E-08
758	374765	3771270	4.49E-07
759	374775	3771270	3.98E-07
760	374785	3771270	3.68E-07
761	374795	3771270	3.40E-07
762	374805	3771270	3.05E-07
763	374815	3771270	2.72E-07
764	374825	3771270	2.45E-07
765	374835	3771270	2.23E-07
766	374845	3771270	2.04E-07
767	374765	3771280	4.74E-07
768	374775	3771280	4.05E-07
769	374785	3771280	3.70E-07
770	374795	3771280	3.41E-07
771	374805	3771280	3.06E-07
772	374815	3771280	2.73E-07
773	374825	3771280	2.50E-07
774	374835	3771280	2.29E-07
775	374845	3771280	2.11E-07
776	374765	3771290	4.52E-07
777	374775	3771290	3.96E-07
778	374765	3771300	4.24E-07
779	374775	3771300	3.77E-07
780	374765	3771310	4.00E-07
781	374775	3771310	3.62E-07
782	374765	3771320	3.90E-07
783	374775	3771320	3.51E-07
784	374765	3771330	3.77E-07
785	374775	3771330	3.43E-07
786	374765	3771340	3.76E-07
787	374775	3771340	3.38E-07
788	374765	3771350	3.82E-07
789	374775	3771350	3.26E-07
790	374765	3771360	3.50E-07
791	374775	3771360	3.05E-07
792	374765	3771370	3.35E-07
793	374775	3771370	2.94E-07
794	374765	3771380	3.20E-07
795	374775	3771380	2.83E-07
796	374765	3771390	3.05E-07
797	374775	3771390	2.70E-07
798	374765	3771400	2.89E-07
799	374775	3771400	2.56E-07
800	374765	3771410	2.72E-07
801	374775	3771410	2.41E-07

No.	X	Y	Risk
713	374900	3771220	4.15E-07
714	374920	3771220	3.85E-07
715	374940	3771220	3.72E-07
716	374960	3771220	3.70E-07
717	374860	3771240	6.18E-07
718	374880	3771240	5.38E-07
719	374900	3771240	4.80E-07
720	374920	3771240	4.41E-07
721	374940	3771240	4.19E-07
722	374960	3771240	4.05E-07
723	374860	3771260	6.96E-07
724	374880	3771260	6.09E-07
725	374900	3771260	5.45E-07
726	374920	3771260	4.98E-07
727	374940	3771260	4.66E-07
728	374960	3771260	4.37E-07
729	374860	3771280	7.59E-07
730	374880	3771280	6.65E-07
731	374900	3771280	5.98E-07
732	374920	3771280	5.46E-07
733	374940	3771280	5.03E-07
734	374960	3771280	4.67E-07
735	374390	3771175	1.26E-06
736	374410	3771175	1.48E-06
737	374430	3771175	1.58E-06
738	374450	3771175	1.74E-06
739	374470	3771175	1.80E-06
740	374490	3771175	1.76E-06
741	374510	3771175	1.67E-06
742	374530	3771175	1.62E-06
743	374550	3771175	2.13E-06
744	374570	3771175	2.84E-06
745	374590	3771175	2.42E-06
746	374610	3771175	1.87E-06
747	374630	3771175	1.37E-06
748	374650	3771175	1.04E-06
749	374670	3771130	5.06E-07
750	374690	3771130	4.49E-07
751	374710	3771130	4.05E-07
752	374730	3771130	3.74E-07
753	374750	3771130	3.50E-07
754	374770	3771130	3.29E-07
755	374790	3771130	3.02E-07
756	374810	3771130	2.87E-07
757	374830	3771130	2.73E-07
758	374765	3771270	1.86E-06
759	374775	3771270	1.64E-06
760	374785	3771270	1.52E-06
761	374795	3771270	1.41E-06
762	374805	3771270	1.26E-06
763	374815	3771270	1.12E-06
764	374825	3771270	1.01E-06
765	374835	3771270	9.22E-07
766	374845	3771270	8.45E-07
767	374765	3771280	1.96E-06
768	374775	3771280	1.67E-06
769	374785	3771280	1.53E-06
770	374795	3771280	1.41E-06
771	374805	3771280	1.27E-06
772	374815	3771280	1.13E-06
773	374825	3771280	1.03E-06
774	374835	3771280	9.46E-07
775	374845	3771280	8.74E-07
776	374765	3771290	1.87E-06
777	374775	3771290	1.64E-06
778	374765	3771300	1.75E-06
779	374775	3771300	1.56E-06
780	374765	3771310	1.65E-06
781	374775	3771310	1.50E-06
782	374765	3771320	1.61E-06
783	374775	3771320	1.45E-06
784	374765	3771330	1.56E-06
785	374775	3771330	1.42E-06
786	374765	3771340	1.55E-06
787	374775	3771340	1.40E-06
788	374765	3771350	1.58E-06
789	374775	3771350	1.35E-06
790	374765	3771360	1.44E-06
791	374775	3771360	1.26E-06
792	374765	3771370	1.38E-06
793	374775	3771370	1.21E-06
794	374765	3771380	1.32E-06
795	374775	3771380	1.17E-06
796	374765	3771390	1.26E-06
797	374775	3771390	1.11E-06
798	374765	3771400	1.19E-06
799	374775	3771400	1.05E-06
800	374765	3771410	1.12E-06
801	374775	3771410	9.91E-07

Television City

Cancer Risk by Receptor - Existing Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
802	374400	3770680	1.07E-06
803	374420	3770680	9.80E-07
804	374440	3770680	8.96E-07
805	374460	3770680	8.19E-07
806	374480	3770680	7.51E-07
807	374500	3770680	6.89E-07
808	374520	3770680	6.38E-07
809	374540	3770680	5.96E-07
810	374560	3770680	5.61E-07
811	374580	3770680	5.30E-07
812	374400	3770700	1.16E-06
813	374420	3770700	1.07E-06
814	374440	3770700	9.74E-07
815	374460	3770700	8.86E-07
816	374480	3770700	8.06E-07
817	374500	3770700	7.37E-07
818	374520	3770700	6.80E-07
819	374540	3770700	6.32E-07
820	374560	3770700	5.92E-07
821	374580	3770700	5.59E-07
822	374400	3770720	1.27E-06
823	374420	3770720	1.16E-06
824	374440	3770720	1.06E-06
825	374460	3770720	9.63E-07
826	374480	3770720	8.74E-07
827	374500	3770720	7.92E-07
828	374520	3770720	7.27E-07
829	374540	3770720	6.71E-07
830	374560	3770720	6.26E-07
831	374580	3770720	5.88E-07
832	374400	3770740	1.38E-06
833	374420	3770740	1.27E-06
834	374440	3770740	1.16E-06
835	374460	3770740	1.05E-06
836	374480	3770740	9.45E-07
837	374500	3770740	8.52E-07
838	374520	3770740	7.78E-07
839	374540	3770740	7.15E-07
840	374560	3770740	6.63E-07
841	374580	3770740	6.20E-07
842	374765	3771270	1.23E-05
843	374775	3771270	8.04E-06
844	374785	3771270	6.28E-06
845	374795	3771270	5.28E-06
846	374805	3771270	4.59E-06
847	374815	3771270	4.10E-06
848	374825	3771270	3.74E-06
849	374835	3771270	3.44E-06
850	374845	3771270	3.18E-06
851	374765	3771280	1.23E-05
852	374775	3771280	8.43E-06
853	374785	3771280	6.64E-06
854	374795	3771280	5.54E-06
855	374805	3771280	4.79E-06
856	374815	3771280	4.27E-06
857	374825	3771280	3.90E-06
858	374835	3771280	3.58E-06
859	374845	3771280	3.30E-06
860	374765	3771290	9.29E-06
861	374775	3771290	7.54E-06
862	374765	3771300	7.37E-06
863	374775	3771300	6.47E-06
864	374765	3771310	6.32E-06
865	374775	3771310	5.83E-06
866	374765	3771320	5.74E-06
867	374775	3771320	5.39E-06
868	374765	3771330	5.45E-06
869	374775	3771330	4.96E-06
870	374765	3771340	5.12E-06
871	374775	3771340	4.60E-06
872	374765	3771350	4.65E-06
873	374775	3771350	4.32E-06
874	374765	3771360	4.31E-06
875	374775	3771360	4.13E-06
876	374765	3771370	4.10E-06
877	374775	3771370	3.92E-06
878	374765	3771380	3.85E-06
879	374775	3771380	3.71E-06
880	374765	3771390	3.61E-06
881	374775	3771390	3.50E-06
882	374765	3771400	3.38E-06
883	374775	3771400	3.29E-06
884	374765	3771410	3.16E-06
885	374775	3771410	3.09E-06
886	374400	3770680	1.06E-06
887	374420	3770680	9.71E-07
888	374440	3770680	8.85E-07
889	374460	3770680	8.07E-07
890	374480	3770680	7.37E-07

No.	X	Y	Risk
802	374400	3770680	7.47E-08
803	374420	3770680	6.86E-08
804	374440	3770680	6.26E-08
805	374460	3770680	5.73E-08
806	374480	3770680	5.25E-08
807	374500	3770680	4.82E-08
808	374520	3770680	4.46E-08
809	374540	3770680	4.17E-08
810	374560	3770680	3.92E-08
811	374580	3770680	3.71E-08
812	374400	3770700	8.11E-08
813	374420	3770700	7.45E-08
814	374440	3770700	6.82E-08
815	374460	3770700	6.20E-08
816	374480	3770700	5.64E-08
817	374500	3770700	5.16E-08
818	374520	3770700	4.75E-08
819	374540	3770700	4.42E-08
820	374560	3770700	4.14E-08
821	374580	3770700	3.91E-08
822	374400	3770720	8.87E-08
823	374420	3770720	8.12E-08
824	374440	3770720	7.39E-08
825	374460	3770720	6.74E-08
826	374480	3770720	6.11E-08
827	374500	3770720	5.54E-08
828	374520	3770720	5.08E-08
829	374540	3770720	4.69E-08
830	374560	3770720	4.38E-08
831	374580	3770720	4.11E-08
832	374400	3770740	9.68E-08
833	374420	3770740	8.87E-08
834	374440	3770740	8.08E-08
835	374460	3770740	7.32E-08
836	374480	3770740	6.61E-08
837	374500	3770740	5.96E-08
838	374520	3770740	5.44E-08
839	374540	3770740	5.00E-08
840	374560	3770740	4.64E-08
841	374580	3770740	4.34E-08
842	374765	3771270	8.61E-07
843	374775	3771270	5.63E-07
844	374785	3771270	4.39E-07
845	374795	3771270	3.69E-07
846	374805	3771270	3.21E-07
847	374815	3771270	2.86E-07
848	374825	3771270	2.61E-07
849	374835	3771270	2.41E-07
850	374845	3771270	2.22E-07
851	374765	3771280	8.59E-07
852	374775	3771280	5.89E-07
853	374785	3771280	4.64E-07
854	374795	3771280	3.88E-07
855	374805	3771280	3.35E-07
856	374815	3771280	2.98E-07
857	374825	3771280	2.72E-07
858	374835	3771280	2.50E-07
859	374845	3771280	2.31E-07
860	374765	3771290	6.50E-07
861	374775	3771290	5.27E-07
862	374765	3771300	5.15E-07
863	374775	3771300	4.52E-07
864	374765	3771310	4.41E-07
865	374775	3771310	4.08E-07
866	374765	3771320	4.01E-07
867	374775	3771320	3.77E-07
868	374765	3771330	3.81E-07
869	374775	3771330	3.47E-07
870	374765	3771340	3.57E-07
871	374775	3771340	3.21E-07
872	374765	3771350	3.25E-07
873	374775	3771350	3.02E-07
874	374765	3771360	3.01E-07
875	374775	3771360	2.89E-07
876	374765	3771370	2.86E-07
877	374775	3771370	2.74E-07
878	374765	3771380	2.69E-07
879	374775	3771380	2.59E-07
880	374765	3771390	2.52E-07
881	374775	3771390	2.44E-07
882	374765	3771400	2.36E-07
883	374775	3771400	2.29E-07
884	374765	3771410	2.21E-07
885	374775	3771410	2.15E-07
886	374400	3770680	7.40E-08
887	374420	3770680	6.79E-08
888	374440	3770680	6.19E-08
889	374460	3770680	5.64E-08
890	374480	3770680	5.15E-08

No.	X	Y	Risk
802	374400	3770680	3.09E-07
803	374420	3770680	2.84E-07
804	374440	3770680	2.59E-07
805	374460	3770680	2.37E-07
806	374480	3770680	2.17E-07
807	374500	3770680	2.00E-07
808	374520	3770680	1.85E-07
809	374540	3770680	1.72E-07
810	374560	3770680	1.62E-07
811	374580	3770680	1.53E-07
812	374400	3770700	3.36E-07
813	374420	3770700	3.09E-07
814	374440	3770700	2.82E-07
815	374460	3770700	2.57E-07
816	374480	3770700	2.34E-07
817	374500	3770700	2.14E-07
818	374520	3770700	1.97E-07
819	374540	3770700	1.83E-07
820	374560	3770700	1.71E-07
821	374580	3770700	1.62E-07
822	374400	3770720	3.67E-07
823	374420	3770720	3.36E-07
824	374440	3770720	3.06E-07
825	374460	3770720	2.79E-07
826	374480	3770720	2.53E-07
827	374500	3770720	2.29E-07
828	374520	3770720	2.10E-07
829	374540	3770720	1.94E-07
830	374560	3770720	1.81E-07
831	374580	3770720	1.70E-07
832	374400	3770740	4.01E-07
833	374420	3770740	3.68E-07
834	374440	3770740	3.35E-07
835	374460	3770740	3.03E-07
836	374480	3770740	2.74E-07
837	374500	3770740	2.47E-07
838	374520	3770740	2.25E-07
839	374540	3770740	2.07E-07
840	374560	3770740	1.92E-07
841	374580	3770740	1.79E-07
842	374765	3771270	3.57E-06
843	374775	3771270	2.33E-06
844	374785	3771270	1.82E-06
845	374795	3771270	1.53E-06
846	374805	3771270	1.33E-06
847	374815	3771270	1.18E-06
848	374825	3771270	1.08E-06
849	374835	3771270	9.95E-07
850	374845	3771270	9.19E-07
851	374765	3771280	3.56E-06
852	374775	3771280	2.44E-06
853	374785	3771280	1.92E-06
854	374795	3771280	1.60E-06
855	374805	3771280	1.38E-06
856	374815	3771280	1.23E-06
857	374825	3771280	1.13E-06
858	374835	3771280	1.03E-06
859	374845	3771280	9.55E-07
860	374765	3771290	2.69E-06
861	374775	3771290	2.18E-06
862	374765	3771300	2.13E-06
863	374775	3771300	1.87E-06
864	374765	3771310	1.83E-06
865	374775	3771310	1.69E-06
866	374765	3771320	1.66E-06
867	374775	3771320	1.56E-06
868	374765	3771330	1.57E-06
869	374775	3771330	1.43E-06
870	374765	3771340	1.48E-06
871	374775	3771340	1.33E-06
872	374765	3771350	1.34E-06
873	374775	3771350	1.25E-06
874	374765	3771360	1.24E-06
875	374775	3771360	1.19E-06
876	374765	3771370	1.18E-06
877	374775	3771370	1.13E-06
878	374765	3771380	1.11E-06
879	374775	3771380	1.07E-06
880	374765	3771390	1.04E-06
881	374775	3771390	1.01E-06
882	374765	3771400	9.72E-07
883	374775	3771400	9.46E-07
884	374765	3771410	9.09E-07
885	374775	3771410	8.88E-07
886	374400	3770680	3.07E-07
887	374420	3770680	2.81E-07
888	374440	3770680	2.56E-07
889	374460	3770680	2.34E-07
890	374480	3770680	2.13E-07

Television City

Cancer Risk by Receptor - Existing Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
891	374500	3770680	6.73E-07
892	374520	3770680	6.19E-07
893	374540	3770680	5.74E-07
894	374560	3770680	5.36E-07
895	374580	3770680	5.03E-07
896	374400	3770700	1.15E-06
897	374420	3770700	1.05E-06
898	374440	3770700	9.63E-07
899	374460	3770700	8.74E-07
900	374480	3770700	7.93E-07
901	374500	3770700	7.21E-07
902	374520	3770700	6.61E-07
903	374540	3770700	6.11E-07
904	374560	3770700	5.68E-07
905	374580	3770700	5.32E-07
906	374400	3770720	1.25E-06
907	374420	3770720	1.15E-06
908	374440	3770720	1.05E-06
909	374460	3770720	9.51E-07
910	374480	3770720	8.60E-07
911	374500	3770720	7.77E-07
912	374520	3770720	7.09E-07
913	374540	3770720	6.51E-07
914	374560	3770720	6.02E-07
915	374580	3770720	5.61E-07
916	374400	3770740	1.37E-06
917	374420	3770740	1.26E-06
918	374440	3770740	1.14E-06
919	374460	3770740	1.03E-06
920	374480	3770740	9.33E-07
921	374500	3770740	8.39E-07
922	374520	3770740	7.63E-07
923	374540	3770740	6.96E-07
924	374560	3770740	6.41E-07
925	374580	3770740	5.94E-07
926	374400	3770700	1.10E-06
927	374500	3770700	6.97E-07
928	374400	3770700	1.16E-06
929	374500	3770700	7.37E-07
930	374400	3770700	1.15E-06
931	374500	3770700	7.21E-07
932	373900	3770500	9.35E-07
933	373950	3770500	1.03E-06
934	374000	3770500	1.10E-06
935	374050	3770500	1.12E-06
936	374100	3770500	1.08E-06
937	374150	3770500	9.96E-07
938	374200	3770500	9.03E-07
939	374250	3770500	7.99E-07
940	374300	3770500	6.99E-07
941	374350	3770500	6.01E-07
942	374400	3770500	5.16E-07
943	374450	3770500	4.46E-07
944	374500	3770500	3.98E-07
945	374550	3770500	3.66E-07
946	374600	3770500	3.44E-07
947	374650	3770500	3.28E-07
948	374700	3770500	3.15E-07
949	374750	3770500	3.01E-07
950	374800	3770500	2.86E-07
951	374850	3770500	2.71E-07
952	374900	3770500	2.61E-07
953	374950	3770500	2.53E-07
954	375000	3770500	2.47E-07
955	375050	3770500	2.40E-07
956	375100	3770500	2.35E-07
957	375150	3770500	2.28E-07
958	375200	3770500	2.23E-07
959	375250	3770500	2.15E-07
960	375300	3770500	2.09E-07
961	375350	3770500	2.01E-07
962	375400	3770500	1.93E-07
963	373900	3770550	9.66E-07
964	373950	3770550	1.10E-06
965	374000	3770550	1.21E-06
966	374050	3770550	1.28E-06
967	374100	3770550	1.26E-06
968	374150	3770550	1.19E-06
969	374200	3770550	1.10E-06
970	374250	3770550	9.79E-07
971	374300	3770550	8.48E-07
972	374350	3770550	7.18E-07
973	374400	3770550	6.04E-07
974	374450	3770550	5.09E-07
975	374500	3770550	4.45E-07
976	374550	3770550	4.05E-07
977	374600	3770550	3.74E-07
978	374650	3770550	3.58E-07
979	374700	3770550	3.42E-07

No.	X	Y	Risk
891	374500	3770680	4.70E-08
892	374520	3770680	4.33E-08
893	374540	3770680	4.01E-08
894	374560	3770680	3.75E-08
895	374580	3770680	3.52E-08
896	374400	3770700	8.04E-08
897	374420	3770700	7.38E-08
898	374440	3770700	6.74E-08
899	374460	3770700	6.11E-08
900	374480	3770700	5.55E-08
901	374500	3770700	5.05E-08
902	374520	3770700	4.62E-08
903	374540	3770700	4.27E-08
904	374560	3770700	3.97E-08
905	374580	3770700	3.72E-08
906	374400	3770720	8.78E-08
907	374420	3770720	8.04E-08
908	374440	3770720	7.31E-08
909	374460	3770720	6.65E-08
910	374480	3770720	6.02E-08
911	374500	3770720	5.44E-08
912	374520	3770720	4.96E-08
913	374540	3770720	4.55E-08
914	374560	3770720	4.21E-08
915	374580	3770720	3.92E-08
916	374400	3770740	9.57E-08
917	374420	3770740	8.78E-08
918	374440	3770740	7.99E-08
919	374460	3770740	7.23E-08
920	374480	3770740	6.52E-08
921	374500	3770740	5.87E-08
922	374520	3770740	5.33E-08
923	374540	3770740	4.87E-08
924	374560	3770740	4.48E-08
925	374580	3770740	4.16E-08
926	374400	3770700	7.69E-08
927	374500	3770700	4.87E-08
928	374400	3770700	8.11E-08
929	374500	3770700	5.16E-08
930	374400	3770700	8.04E-08
931	374500	3770700	5.05E-08
932	373900	3770500	6.54E-08
933	373950	3770500	7.20E-08
934	374000	3770500	7.70E-08
935	374050	3770500	7.86E-08
936	374100	3770500	7.53E-08
937	374150	3770500	6.97E-08
938	374200	3770500	6.32E-08
939	374250	3770500	5.59E-08
940	374300	3770500	4.89E-08
941	374350	3770500	4.21E-08
942	374400	3770500	3.61E-08
943	374450	3770500	3.12E-08
944	374500	3770500	2.79E-08
945	374550	3770500	2.56E-08
946	374600	3770500	2.41E-08
947	374650	3770500	2.30E-08
948	374700	3770500	2.20E-08
949	374750	3770500	2.10E-08
950	374800	3770500	2.00E-08
951	374850	3770500	1.90E-08
952	374900	3770500	1.82E-08
953	374950	3770500	1.77E-08
954	375000	3770500	1.72E-08
955	375050	3770500	1.68E-08
956	375100	3770500	1.64E-08
957	375150	3770500	1.59E-08
958	375200	3770500	1.56E-08
959	375250	3770500	1.51E-08
960	375300	3770500	1.46E-08
961	375350	3770500	1.40E-08
962	375400	3770500	1.35E-08
963	373900	3770550	6.76E-08
964	373950	3770550	7.70E-08
965	374000	3770550	8.48E-08
966	374050	3770550	8.93E-08
967	374100	3770550	8.83E-08
968	374150	3770550	8.35E-08
969	374200	3770550	7.68E-08
970	374250	3770550	6.85E-08
971	374300	3770550	5.93E-08
972	374350	3770550	5.02E-08
973	374400	3770550	4.23E-08
974	374450	3770550	3.56E-08
975	374500	3770550	3.11E-08
976	374550	3770550	2.83E-08
977	374600	3770550	2.62E-08
978	374650	3770550	2.50E-08
979	374700	3770550	2.39E-08

No.	X	Y	Risk
891	374500	3770680	1.95E-07
892	374520	3770680	1.79E-07
893	374540	3770680	1.66E-07
894	374560	3770680	1.55E-07
895	374580	3770680	1.46E-07
896	374400	3770700	3.33E-07
897	374420	3770700	3.06E-07
898	374440	3770700	2.79E-07
899	374460	3770700	2.53E-07
900	374480	3770700	2.30E-07
901	374500	3770700	2.09E-07
902	374520	3770700	1.91E-07
903	374540	3770700	1.77E-07
904	374560	3770700	1.64E-07
905	374580	3770700	1.54E-07
906	374400	3770720	3.64E-07
907	374420	3770720	3.33E-07
908	374440	3770720	3.03E-07
909	374460	3770720	2.75E-07
910	374480	3770720	2.49E-07
911	374500	3770720	2.25E-07
912	374520	3770720	2.05E-07
913	374540	3770720	1.88E-07
914	374560	3770720	1.74E-07
915	374580	3770720	1.62E-07
916	374400	3770740	3.97E-07
917	374420	3770740	3.64E-07
918	374440	3770740	3.31E-07
919	374460	3770740	3.00E-07
920	374480	3770740	2.70E-07
921	374500	3770740	2.43E-07
922	374520	3770740	2.21E-07
923	374540	3770740	2.02E-07
924	374560	3770740	1.85E-07
925	374580	3770740	1.72E-07
926	374400	3770700	3.19E-07
927	374500	3770700	2.02E-07
928	374400	3770700	3.36E-07
929	374500	3770700	2.14E-07
930	374400	3770700	3.33E-07
931	374500	3770700	2.09E-07
932	373900	3770500	2.71E-07
933	373950	3770500	2.99E-07
934	374000	3770500	3.19E-07
935	374050	3770500	3.26E-07
936	374100	3770500	3.12E-07
937	374150	3770500	2.89E-07
938	374200	3770500	2.62E-07
939	374250	3770500	2.32E-07
940	374300	3770500	2.03E-07
941	374350	3770500	1.74E-07
942	374400	3770500	1.50E-07
943	374450	3770500	1.29E-07
944	374500	3770500	1.15E-07
945	374550	3770500	1.06E-07
946	374600	3770500	9.97E-08
947	374650	3770500	9.51E-08
948	374700	3770500	9.12E-08
949	374750	3770500	8.70E-08
950	374800	3770500	8.27E-08
951	374850	3770500	7.86E-08
952	374900	3770500	7.55E-08
953	374950	3770500	7.33E-08
954	375000	3770500	7.14E-08
955	375050	3770500	6.95E-08
956	375100	3770500	6.79E-08
957	375150	3770500	6.60E-08
958	375200	3770500	6.45E-08
959	375250	3770500	6.24E-08
960	375300	3770500	6.06E-08
961	375350	3770500	5.81E-08
962	375400	3770500	5.60E-08
963	373900	3770550	2.80E-07
964	373950	3770550	3.19E-07
965	374000	3770550	3.51E-07
966	374050	3770550	3.70E-07
967	374100	3770550	3.66E-07
968	374150	3770550	3.46E-07
969	374200	3770550	3.18E-07
970	374250	3770550	2.84E-07
971	374300	3770550	2.46E-07
972	374350	3770550	2.08E-07
973	374400	3770550	1.75E-07
974	374450	3770550	1.47E-07
975	374500	3770550	1.29E-07
976	374550	3770550	1.17E-07
977	374600	3770550	1.08E-07
978	374650	3770550	1.04E-07
979	374700	3770550	9.91E-08

Television City

Cancer Risk by Receptor - Existing Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
980	374750	3770550	3.24E-07
981	374800	3770550	3.06E-07
982	374850	3770550	2.91E-07
983	374900	3770550	2.79E-07
984	374950	3770550	2.71E-07
985	375000	3770550	2.63E-07
986	375050	3770550	2.55E-07
987	375100	3770550	2.49E-07
988	375150	3770550	2.43E-07
989	375200	3770550	2.36E-07
990	375250	3770550	2.29E-07
991	375300	3770550	2.20E-07
992	375350	3770550	2.10E-07
993	375400	3770550	2.01E-07
994	373900	3770600	9.57E-07
995	373950	3770600	1.13E-06
996	374000	3770600	1.30E-06
997	374050	3770600	1.42E-06
998	374100	3770600	1.45E-06
999	374150	3770600	1.42E-06
1000	374200	3770600	1.29E-06
1001	374250	3770600	1.17E-06
1002	374300	3770600	1.03E-06
1003	374350	3770600	8.75E-07
1004	374400	3770600	7.27E-07
1005	374450	3770600	5.97E-07
1006	374500	3770600	5.06E-07
1007	374550	3770600	4.47E-07
1008	374600	3770600	4.15E-07
1009	374650	3770600	3.93E-07
1010	374700	3770600	3.72E-07
1011	374750	3770600	3.51E-07
1012	374800	3770600	3.28E-07
1013	374850	3770600	3.12E-07
1014	374900	3770600	3.00E-07
1015	374950	3770600	2.90E-07
1016	375000	3770600	2.81E-07
1017	375050	3770600	2.73E-07
1018	375100	3770600	2.66E-07
1019	375150	3770600	2.59E-07
1020	375200	3770600	2.50E-07
1021	375250	3770600	2.42E-07
1022	375300	3770600	2.30E-07
1023	375350	3770600	2.20E-07
1024	375400	3770600	2.11E-07
1025	373900	3770650	9.29E-07
1026	373950	3770650	1.14E-06
1027	374000	3770650	1.34E-06
1028	374050	3770650	1.53E-06
1029	374100	3770650	1.62E-06
1030	374150	3770650	1.66E-06
1031	374200	3770650	1.58E-06
1032	374250	3770650	1.41E-06
1033	374300	3770650	1.26E-06
1034	374350	3770650	1.07E-06
1035	374400	3770650	8.88E-07
1036	374450	3770650	7.18E-07
1037	374500	3770650	5.86E-07
1038	374550	3770650	5.06E-07
1039	374600	3770650	4.60E-07
1040	374650	3770650	4.32E-07
1041	374700	3770650	4.08E-07
1042	374750	3770650	3.79E-07
1043	374800	3770650	3.56E-07
1044	374850	3770650	3.36E-07
1045	374900	3770650	3.23E-07
1046	374950	3770650	3.12E-07
1047	375000	3770650	3.03E-07
1048	375050	3770650	2.93E-07
1049	375100	3770650	2.85E-07
1050	375150	3770650	2.77E-07
1051	375200	3770650	2.67E-07
1052	375250	3770650	2.55E-07
1053	375300	3770650	2.43E-07
1054	375350	3770650	2.30E-07
1055	375400	3770650	2.17E-07
1056	373900	3770700	8.77E-07
1057	373950	3770700	1.08E-06
1058	374000	3770700	1.34E-06
1059	374050	3770700	1.59E-06
1060	374100	3770700	1.77E-06
1061	374150	3770700	1.88E-06
1062	374200	3770700	1.85E-06
1063	374250	3770700	1.72E-06
1064	374300	3770700	1.53E-06
1065	374350	3770700	1.32E-06
1066	374400	3770700	1.10E-06
1067	374450	3770700	8.80E-07
1068	374500	3770700	6.97E-07

No.	X	Y	Risk
980	374750	3770550	2.26E-08
981	374800	3770550	2.14E-08
982	374850	3770550	2.04E-08
983	374900	3770550	1.95E-08
984	374950	3770550	1.90E-08
985	375000	3770550	1.84E-08
986	375050	3770550	1.79E-08
987	375100	3770550	1.74E-08
988	375150	3770550	1.70E-08
989	375200	3770550	1.65E-08
990	375250	3770550	1.60E-08
991	375300	3770550	1.54E-08
992	375350	3770550	1.47E-08
993	375400	3770550	1.41E-08
994	373900	3770600	6.70E-08
995	373950	3770600	7.92E-08
996	374000	3770600	9.07E-08
997	374050	3770600	9.90E-08
998	374100	3770600	1.02E-07
999	374150	3770600	9.96E-08
1000	374200	3770600	9.01E-08
1001	374250	3770600	8.20E-08
1002	374300	3770600	7.21E-08
1003	374350	3770600	6.12E-08
1004	374400	3770600	5.08E-08
1005	374450	3770600	4.18E-08
1006	374500	3770600	3.54E-08
1007	374550	3770600	3.13E-08
1008	374600	3770600	2.90E-08
1009	374650	3770600	2.75E-08
1010	374700	3770600	2.60E-08
1011	374750	3770600	2.46E-08
1012	374800	3770600	2.29E-08
1013	374850	3770600	2.19E-08
1014	374900	3770600	2.10E-08
1015	374950	3770600	2.03E-08
1016	375000	3770600	1.97E-08
1017	375050	3770600	1.91E-08
1018	375100	3770600	1.86E-08
1019	375150	3770600	1.81E-08
1020	375200	3770600	1.75E-08
1021	375250	3770600	1.69E-08
1022	375300	3770600	1.61E-08
1023	375350	3770600	1.54E-08
1024	375400	3770600	1.47E-08
1025	373900	3770650	6.50E-08
1026	373950	3770650	7.97E-08
1027	374000	3770650	9.39E-08
1028	374050	3770650	1.07E-07
1029	374100	3770650	1.13E-07
1030	374150	3770650	1.16E-07
1031	374200	3770650	1.10E-07
1032	374250	3770650	9.88E-08
1033	374300	3770650	8.82E-08
1034	374350	3770650	7.49E-08
1035	374400	3770650	6.21E-08
1036	374450	3770650	5.02E-08
1037	374500	3770650	4.10E-08
1038	374550	3770650	3.53E-08
1039	374600	3770650	3.22E-08
1040	374650	3770650	3.02E-08
1041	374700	3770650	2.85E-08
1042	374750	3770650	2.65E-08
1043	374800	3770650	2.49E-08
1044	374850	3770650	2.35E-08
1045	374900	3770650	2.26E-08
1046	374950	3770650	2.18E-08
1047	375000	3770650	2.12E-08
1048	375050	3770650	2.05E-08
1049	375100	3770650	2.00E-08
1050	375150	3770650	1.94E-08
1051	375200	3770650	1.87E-08
1052	375250	3770650	1.78E-08
1053	375300	3770650	1.70E-08
1054	375350	3770650	1.61E-08
1055	375400	3770650	1.52E-08
1056	373900	3770700	6.13E-08
1057	373950	3770700	7.59E-08
1058	374000	3770700	9.35E-08
1059	374050	3770700	1.11E-07
1060	374100	3770700	1.24E-07
1061	374150	3770700	1.31E-07
1062	374200	3770700	1.30E-07
1063	374250	3770700	1.20E-07
1064	374300	3770700	1.07E-07
1065	374350	3770700	9.25E-08
1066	374400	3770700	7.69E-08
1067	374450	3770700	6.16E-08
1068	374500	3770700	4.87E-08

No.	X	Y	Risk
980	374750	3770550	9.37E-08
981	374800	3770550	8.87E-08
982	374850	3770550	8.43E-08
983	374900	3770550	8.09E-08
984	374950	3770550	7.86E-08
985	375000	3770550	7.61E-08
986	375050	3770550	7.40E-08
987	375100	3770550	7.21E-08
988	375150	3770550	7.03E-08
989	375200	3770550	6.83E-08
990	375250	3770550	6.63E-08
991	375300	3770550	6.36E-08
992	375350	3770550	6.08E-08
993	375400	3770550	5.84E-08
994	373900	3770600	2.78E-07
995	373950	3770600	3.28E-07
996	374000	3770600	3.76E-07
997	374050	3770600	4.10E-07
998	374100	3770600	4.21E-07
999	374150	3770600	4.13E-07
1000	374200	3770600	3.74E-07
1001	374250	3770600	3.40E-07
1002	374300	3770600	2.99E-07
1003	374350	3770600	2.54E-07
1004	374400	3770600	2.11E-07
1005	374450	3770600	1.73E-07
1006	374500	3770600	1.47E-07
1007	374550	3770600	1.29E-07
1008	374600	3770600	1.20E-07
1009	374650	3770600	1.14E-07
1010	374700	3770600	1.08E-07
1011	374750	3770600	1.02E-07
1012	374800	3770600	9.50E-08
1013	374850	3770600	9.04E-08
1014	374900	3770600	8.70E-08
1015	374950	3770600	8.39E-08
1016	375000	3770600	8.14E-08
1017	375050	3770600	7.91E-08
1018	375100	3770600	7.69E-08
1019	375150	3770600	7.50E-08
1020	375200	3770600	7.24E-08
1021	375250	3770600	7.00E-08
1022	375300	3770600	6.66E-08
1023	375350	3770600	6.37E-08
1024	375400	3770600	6.11E-08
1025	373900	3770650	2.69E-07
1026	373950	3770650	3.30E-07
1027	374000	3770650	3.89E-07
1028	374050	3770650	4.43E-07
1029	374100	3770650	4.70E-07
1030	374150	3770650	4.82E-07
1031	374200	3770650	4.58E-07
1032	374250	3770650	4.09E-07
1033	374300	3770650	3.65E-07
1034	374350	3770650	3.11E-07
1035	374400	3770650	2.57E-07
1036	374450	3770650	2.08E-07
1037	374500	3770650	1.70E-07
1038	374550	3770650	1.46E-07
1039	374600	3770650	1.33E-07
1040	374650	3770650	1.25E-07
1041	374700	3770650	1.18E-07
1042	374750	3770650	1.10E-07
1043	374800	3770650	1.03E-07
1044	374850	3770650	9.71E-08
1045	374900	3770650	9.34E-08
1046	374950	3770650	9.03E-08
1047	375000	3770650	8.76E-08
1048	375050	3770650	8.48E-08
1049	375100	3770650	8.26E-08
1050	375150	3770650	8.03E-08
1051	375200	3770650	7.73E-08
1052	375250	3770650	7.38E-08
1053	375300	3770650	7.03E-08
1054	375350	3770650	6.65E-08
1055	375400	3770650	6.29E-08
1056	373900	3770700	2.54E-07
1057	373950	3770700	3.15E-07
1058	374000	3770700	3.88E-07
1059	374050	3770700	4.60E-07
1060	374100	3770700	5.12E-07
1061	374150	3770700	5.45E-07
1062	374200	3770700	5.38E-07
1063	374250	3770700	4.99E-07
1064	374300	3770700	4.43E-07
1065	374350	3770700	3.83E-07
1066	374400	3770700	3.19E-07
1067	374450	3770700	2.55E-07
1068	374500	3770700	2.02E-07

Television City

Cancer Risk by Receptor - Existing Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
1069	374550	3770700	5.81E-07
1070	374600	3770700	5.18E-07
1071	374650	3770700	4.80E-07
1072	374700	3770700	4.53E-07
1073	374750	3770700	4.12E-07
1074	374800	3770700	3.85E-07
1075	374850	3770700	3.64E-07
1076	374900	3770700	3.49E-07
1077	374950	3770700	3.37E-07
1078	375000	3770700	3.26E-07
1079	375050	3770700	3.16E-07
1080	375100	3770700	3.04E-07
1081	375150	3770700	2.93E-07
1082	375200	3770700	2.81E-07
1083	375250	3770700	2.66E-07
1084	375300	3770700	2.52E-07
1085	375350	3770700	2.37E-07
1086	375400	3770700	2.25E-07
1087	373900	3770750	7.94E-07
1088	373950	3770750	1.01E-06
1089	374000	3770750	1.26E-06
1090	374050	3770750	1.56E-06
1091	374100	3770750	1.86E-06
1092	374150	3770750	2.07E-06
1093	374200	3770750	2.14E-06
1094	374250	3770750	2.07E-06
1095	374300	3770750	1.84E-06
1096	374350	3770750	1.62E-06
1097	374400	3770750	1.37E-06
1098	374450	3770750	1.09E-06
1099	374500	3770750	8.50E-07
1100	374550	3770750	6.82E-07
1101	374600	3770750	5.88E-07
1102	374650	3770750	5.37E-07
1103	374700	3770750	5.00E-07
1104	374750	3770750	4.51E-07
1105	374800	3770750	4.19E-07
1106	374850	3770750	3.98E-07
1107	374900	3770750	3.80E-07
1108	374950	3770750	3.66E-07
1109	375000	3770750	3.52E-07
1110	375050	3770750	3.39E-07
1111	375100	3770750	3.27E-07
1112	375150	3770750	3.13E-07
1113	375200	3770750	2.95E-07
1114	375250	3770750	2.78E-07
1115	375300	3770750	2.62E-07
1116	375350	3770750	2.50E-07
1117	375400	3770750	2.41E-07
1118	373900	3770800	6.98E-07
1119	373950	3770800	8.83E-07
1120	374000	3770800	1.14E-06
1121	374050	3770800	1.46E-06
1122	374100	3770800	1.84E-06
1123	374150	3770800	2.16E-06
1124	374200	3770800	2.38E-06
1125	374250	3770800	2.40E-06
1126	374300	3770800	2.27E-06
1127	374350	3770800	1.99E-06
1128	374400	3770800	1.71E-06
1129	374450	3770800	1.37E-06
1130	374500	3770800	1.05E-06
1131	374550	3770800	8.14E-07
1132	374600	3770800	6.72E-07
1133	374650	3770800	6.04E-07
1134	374700	3770800	5.53E-07
1135	374750	3770800	4.99E-07
1136	374800	3770800	4.63E-07
1137	374850	3770800	4.32E-07
1138	374900	3770800	4.16E-07
1139	374950	3770800	3.99E-07
1140	375000	3770800	3.85E-07
1141	375050	3770800	3.73E-07
1142	375100	3770800	3.53E-07
1143	375150	3770800	3.30E-07
1144	375200	3770800	3.08E-07
1145	375250	3770800	2.89E-07
1146	375300	3770800	2.75E-07
1147	375350	3770800	2.63E-07
1148	375400	3770800	2.50E-07
1149	373900	3770850	5.91E-07
1150	373950	3770850	7.57E-07
1151	374000	3770850	9.92E-07
1152	374050	3770850	1.31E-06
1153	374100	3770850	1.71E-06
1154	374150	3770850	2.13E-06
1155	374200	3770850	2.51E-06
1156	374250	3770850	2.72E-06
1157	374300	3770850	2.68E-06

No.	X	Y	Risk
1069	374550	3770700	4.07E-08
1070	374600	3770700	3.62E-08
1071	374650	3770700	3.36E-08
1072	374700	3770700	3.17E-08
1073	374750	3770700	2.88E-08
1074	374800	3770700	2.69E-08
1075	374850	3770700	2.55E-08
1076	374900	3770700	2.44E-08
1077	374950	3770700	2.36E-08
1078	375000	3770700	2.28E-08
1079	375050	3770700	2.21E-08
1080	375100	3770700	2.13E-08
1081	375150	3770700	2.05E-08
1082	375200	3770700	1.97E-08
1083	375250	3770700	1.86E-08
1084	375300	3770700	1.76E-08
1085	375350	3770700	1.66E-08
1086	375400	3770700	1.57E-08
1087	373900	3770750	5.56E-08
1088	373950	3770750	7.05E-08
1089	374000	3770750	8.81E-08
1090	374050	3770750	1.09E-07
1091	374100	3770750	1.30E-07
1092	374150	3770750	1.44E-07
1093	374200	3770750	1.50E-07
1094	374250	3770750	1.45E-07
1095	374300	3770750	1.29E-07
1096	374350	3770750	1.13E-07
1097	374400	3770750	9.56E-08
1098	374450	3770750	7.66E-08
1099	374500	3770750	5.95E-08
1100	374550	3770750	4.77E-08
1101	374600	3770750	4.11E-08
1102	374650	3770750	3.76E-08
1103	374700	3770750	3.50E-08
1104	374750	3770750	3.15E-08
1105	374800	3770750	2.93E-08
1106	374850	3770750	2.78E-08
1107	374900	3770750	2.66E-08
1108	374950	3770750	2.56E-08
1109	375000	3770750	2.46E-08
1110	375050	3770750	2.37E-08
1111	375100	3770750	2.29E-08
1112	375150	3770750	2.19E-08
1113	375200	3770750	2.07E-08
1114	375250	3770750	1.95E-08
1115	375300	3770750	1.83E-08
1116	375350	3770750	1.75E-08
1117	375400	3770750	1.69E-08
1118	373900	3770800	4.88E-08
1119	373950	3770800	6.18E-08
1120	374000	3770800	7.99E-08
1121	374050	3770800	1.02E-07
1122	374100	3770800	1.29E-07
1123	374150	3770800	1.51E-07
1124	374200	3770800	1.67E-07
1125	374250	3770800	1.68E-07
1126	374300	3770800	1.59E-07
1127	374350	3770800	1.39E-07
1128	374400	3770800	1.19E-07
1129	374450	3770800	9.58E-08
1130	374500	3770800	7.36E-08
1131	374550	3770800	5.69E-08
1132	374600	3770800	4.70E-08
1133	374650	3770800	4.22E-08
1134	374700	3770800	3.87E-08
1135	374750	3770800	3.49E-08
1136	374800	3770800	3.24E-08
1137	374850	3770800	3.02E-08
1138	374900	3770800	2.91E-08
1139	374950	3770800	2.79E-08
1140	375000	3770800	2.69E-08
1141	375050	3770800	2.61E-08
1142	375100	3770800	2.47E-08
1143	375150	3770800	2.31E-08
1144	375200	3770800	2.16E-08
1145	375250	3770800	2.02E-08
1146	375300	3770800	1.92E-08
1147	375350	3770800	1.84E-08
1148	375400	3770800	1.75E-08
1149	373900	3770850	4.13E-08
1150	373950	3770850	5.29E-08
1151	374000	3770850	6.94E-08
1152	374050	3770850	9.17E-08
1153	374100	3770850	1.20E-07
1154	374150	3770850	1.49E-07
1155	374200	3770850	1.75E-07
1156	374250	3770850	1.90E-07
1157	374300	3770850	1.87E-07

No.	X	Y	Risk
1069	374550	3770700	1.68E-07
1070	374600	3770700	1.50E-07
1071	374650	3770700	1.39E-07
1072	374700	3770700	1.31E-07
1073	374750	3770700	1.19E-07
1074	374800	3770700	1.11E-07
1075	374850	3770700	1.05E-07
1076	374900	3770700	1.01E-07
1077	374950	3770700	9.76E-08
1078	375000	3770700	9.44E-08
1079	375050	3770700	9.15E-08
1080	375100	3770700	8.80E-08
1081	375150	3770700	8.50E-08
1082	375200	3770700	8.14E-08
1083	375250	3770700	7.71E-08
1084	375300	3770700	7.31E-08
1085	375350	3770700	6.88E-08
1086	375400	3770700	6.51E-08
1087	373900	3770750	2.30E-07
1088	373950	3770750	2.92E-07
1089	374000	3770750	3.65E-07
1090	374050	3770750	4.52E-07
1091	374100	3770750	5.39E-07
1092	374150	3770750	5.99E-07
1093	374200	3770750	6.20E-07
1094	374250	3770750	6.01E-07
1095	374300	3770750	5.35E-07
1096	374350	3770750	4.70E-07
1097	374400	3770750	3.96E-07
1098	374450	3770750	3.17E-07
1099	374500	3770750	2.46E-07
1100	374550	3770750	1.97E-07
1101	374600	3770750	1.70E-07
1102	374650	3770750	1.55E-07
1103	374700	3770750	1.45E-07
1104	374750	3770750	1.30E-07
1105	374800	3770750	1.21E-07
1106	374850	3770750	1.15E-07
1107	374900	3770750	1.10E-07
1108	374950	3770750	1.06E-07
1109	375000	3770750	1.02E-07
1110	375050	3770750	9.82E-08
1111	375100	3770750	9.47E-08
1112	375150	3770750	9.05E-08
1113	375200	3770750	8.55E-08
1114	375250	3770750	8.06E-08
1115	375300	3770750	7.59E-08
1116	375350	3770750	7.24E-08
1117	375400	3770750	6.99E-08
1118	373900	3770800	2.02E-07
1119	373950	3770800	2.56E-07
1120	374000	3770800	3.31E-07
1121	374050	3770800	4.23E-07
1122	374100	3770800	5.33E-07
1123	374150	3770800	6.26E-07
1124	374200	3770800	6.91E-07
1125	374250	3770800	6.95E-07
1126	374300	3770800	6.59E-07
1127	374350	3770800	5.76E-07
1128	374400	3770800	4.94E-07
1129	374450	3770800	3.97E-07
1130	374500	3770800	3.05E-07
1131	374550	3770800	2.35E-07
1132	374600	3770800	1.94E-07
1133	374650	3770800	1.75E-07
1134	374700	3770800	1.60E-07
1135	374750	3770800	1.44E-07
1136	374800	3770800	1.34E-07
1137	374850	3770800	1.25E-07
1138	374900	3770800	1.20E-07
1139	374950	3770800	1.15E-07
1140	375000	3770800	1.11E-07
1141	375050	3770800	1.08E-07
1142	375100	3770800	1.02E-07
1143	375150	3770800	9.56E-08
1144	375200	3770800	8.93E-08
1145	375250	3770800	8.38E-08
1146	375300	3770800	7.97E-08
1147	375350	3770800	7.61E-08
1148	375400	3770800	7.24E-08
1149	373900	3770850	1.71E-07
1150	373950	3770850	2.19E-07
1151	374000	3770850	2.88E-07
1152	374050	3770850	3.80E-07
1153	374100	3770850	4.96E-07
1154	374150	3770850	6.18E-07
1155	374200	3770850	7.27E-07
1156	374250	3770850	7.87E-07
1157	374300	3770850	7.77E-07

Television City

Cancer Risk by Receptor - Existing Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
1158	374350	3770850	2.45E-06
1159	374400	3770850	2.12E-06
1160	374450	3770850	1.75E-06
1161	374500	3770850	1.33E-06
1162	374550	3770850	9.85E-07
1163	374600	3770850	7.78E-07
1164	374650	3770850	6.78E-07
1165	374700	3770850	6.07E-07
1166	374750	3770850	5.45E-07
1167	374800	3770850	5.02E-07
1168	374850	3770850	4.74E-07
1169	374900	3770850	4.51E-07
1170	374950	3770850	4.32E-07
1171	375000	3770850	4.02E-07
1172	375050	3770850	3.85E-07
1173	375100	3770850	3.75E-07
1174	375150	3770850	3.49E-07
1175	375200	3770850	3.27E-07
1176	375250	3770850	3.06E-07
1177	375300	3770850	2.91E-07
1178	375350	3770850	2.84E-07
1179	375400	3770850	2.71E-07
1180	373900	3770900	5.03E-07
1181	373950	3770900	6.28E-07
1182	374000	3770900	8.12E-07
1183	374050	3770900	1.10E-06
1184	374100	3770900	1.47E-06
1185	374150	3770900	1.96E-06
1186	374200	3770900	2.48E-06
1187	374250	3770900	2.89E-06
1188	374300	3770900	3.07E-06
1189	374350	3770900	2.94E-06
1190	374400	3770900	2.61E-06
1191	374450	3770900	2.23E-06
1192	374500	3770900	1.71E-06
1193	374550	3770900	1.22E-06
1194	374600	3770900	9.11E-07
1195	374650	3770900	7.61E-07
1196	374700	3770900	6.70E-07
1197	374750	3770900	6.00E-07
1198	374800	3770900	5.54E-07
1199	374850	3770900	5.19E-07
1200	374900	3770900	4.64E-07
1201	374950	3770900	4.46E-07
1202	375000	3770900	4.41E-07
1203	375050	3770900	4.31E-07
1204	375100	3770900	3.96E-07
1205	375150	3770900	3.69E-07
1206	375200	3770900	3.45E-07
1207	375250	3770900	3.27E-07
1208	375300	3770900	3.14E-07
1209	375350	3770900	3.02E-07
1210	375400	3770900	2.87E-07
1211	373900	3770950	4.30E-07
1212	373950	3770950	5.24E-07
1213	374000	3770950	6.58E-07
1214	374050	3770950	8.74E-07
1215	374100	3770950	1.19E-06
1216	374150	3770950	1.64E-06
1217	374200	3770950	2.25E-06
1218	374250	3770950	2.87E-06
1219	374300	3770950	3.33E-06
1220	374350	3770950	3.47E-06
1221	374400	3770950	3.26E-06
1222	374450	3770950	2.83E-06
1223	374500	3770950	2.27E-06
1224	374550	3770950	1.59E-06
1225	374600	3770950	1.11E-06
1226	374650	3770950	8.74E-07
1227	374700	3770950	7.42E-07
1228	374750	3770950	6.53E-07
1229	374800	3770950	6.00E-07
1230	374850	3770950	5.61E-07
1231	374900	3770950	5.11E-07
1232	374950	3770950	4.91E-07
1233	375000	3770950	4.99E-07
1234	375050	3770950	4.46E-07
1235	375100	3770950	4.12E-07
1236	375150	3770950	3.96E-07
1237	375200	3770950	3.70E-07
1238	375250	3770950	3.51E-07
1239	375300	3770950	3.39E-07
1240	375350	3770950	3.29E-07
1241	375400	3770950	3.12E-07
1242	373900	3771000	3.78E-07
1243	373950	3771000	4.41E-07
1244	374000	3771000	5.37E-07
1245	374050	3771000	6.86E-07
1246	374100	3771000	9.24E-07

No.	X	Y	Risk
1158	374350	3770850	1.71E-07
1159	374400	3770850	1.49E-07
1160	374450	3770850	1.23E-07
1161	374500	3770850	9.31E-08
1162	374550	3770850	6.89E-08
1163	374600	3770850	5.44E-08
1164	374650	3770850	4.74E-08
1165	374700	3770850	4.24E-08
1166	374750	3770850	3.81E-08
1167	374800	3770850	3.51E-08
1168	374850	3770850	3.31E-08
1169	374900	3770850	3.16E-08
1170	374950	3770850	3.02E-08
1171	375000	3770850	2.81E-08
1172	375050	3770850	2.69E-08
1173	375100	3770850	2.62E-08
1174	375150	3770850	2.44E-08
1175	375200	3770850	2.28E-08
1176	375250	3770850	2.14E-08
1177	375300	3770850	2.04E-08
1178	375350	3770850	1.98E-08
1179	375400	3770850	1.90E-08
1180	373900	3770900	3.52E-08
1181	373950	3770900	4.39E-08
1182	374000	3770900	5.68E-08
1183	374050	3770900	7.66E-08
1184	374100	3770900	1.03E-07
1185	374150	3770900	1.37E-07
1186	374200	3770900	1.73E-07
1187	374250	3770900	2.02E-07
1188	374300	3770900	2.15E-07
1189	374350	3770900	2.06E-07
1190	374400	3770900	1.82E-07
1191	374450	3770900	1.56E-07
1192	374500	3770900	1.20E-07
1193	374550	3770900	8.54E-08
1194	374600	3770900	6.37E-08
1195	374650	3770900	5.32E-08
1196	374700	3770900	4.68E-08
1197	374750	3770900	4.19E-08
1198	374800	3770900	3.87E-08
1199	374850	3770900	3.63E-08
1200	374900	3770900	3.25E-08
1201	374950	3770900	3.11E-08
1202	375000	3770900	3.09E-08
1203	375050	3770900	3.01E-08
1204	375100	3770900	2.77E-08
1205	375150	3770900	2.58E-08
1206	375200	3770900	2.42E-08
1207	375250	3770900	2.29E-08
1208	375300	3770900	2.19E-08
1209	375350	3770900	2.11E-08
1210	375400	3770900	2.01E-08
1211	373900	3770950	3.01E-08
1212	373950	3770950	3.66E-08
1213	374000	3770950	4.60E-08
1214	374050	3770950	6.11E-08
1215	374100	3770950	8.35E-08
1216	374150	3770950	1.14E-07
1217	374200	3770950	1.57E-07
1218	374250	3770950	2.01E-07
1219	374300	3770950	2.33E-07
1220	374350	3770950	2.42E-07
1221	374400	3770950	2.28E-07
1222	374450	3770950	1.98E-07
1223	374500	3770950	1.59E-07
1224	374550	3770950	1.11E-07
1225	374600	3770950	7.76E-08
1226	374650	3770950	6.10E-08
1227	374700	3770950	5.18E-08
1228	374750	3770950	4.56E-08
1229	374800	3770950	4.19E-08
1230	374850	3770950	3.92E-08
1231	374900	3770950	3.57E-08
1232	374950	3770950	3.43E-08
1233	375000	3770950	3.49E-08
1234	375050	3770950	3.12E-08
1235	375100	3770950	2.88E-08
1236	375150	3770950	2.77E-08
1237	375200	3770950	2.58E-08
1238	375250	3770950	2.45E-08
1239	375300	3770950	2.37E-08
1240	375350	3770950	2.30E-08
1241	375400	3770950	2.19E-08
1242	373900	3771000	2.64E-08
1243	373950	3771000	3.08E-08
1244	374000	3771000	3.75E-08
1245	374050	3771000	4.80E-08
1246	374100	3771000	6.46E-08

No.	X	Y	Risk
1158	374350	3770850	7.09E-07
1159	374400	3770850	6.16E-07
1160	374450	3770850	5.08E-07
1161	374500	3770850	3.86E-07
1162	374550	3770850	2.85E-07
1163	374600	3770850	2.25E-07
1164	374650	3770850	1.96E-07
1165	374700	3770850	1.75E-07
1166	374750	3770850	1.58E-07
1167	374800	3770850	1.45E-07
1168	374850	3770850	1.37E-07
1169	374900	3770850	1.31E-07
1170	374950	3770850	1.25E-07
1171	375000	3770850	1.16E-07
1172	375050	3770850	1.12E-07
1173	375100	3770850	1.08E-07
1174	375150	3770850	1.01E-07
1175	375200	3770850	9.46E-08
1176	375250	3770850	8.85E-08
1177	375300	3770850	8.43E-08
1178	375350	3770850	8.22E-08
1179	375400	3770850	7.86E-08
1180	373900	3770900	1.46E-07
1181	373950	3770900	1.82E-07
1182	374000	3770900	2.35E-07
1183	374050	3770900	3.17E-07
1184	374100	3770900	4.25E-07
1185	374150	3770900	5.68E-07
1186	374200	3770900	7.18E-07
1187	374250	3770900	8.38E-07
1188	374300	3770900	8.91E-07
1189	374350	3770900	8.54E-07
1190	374400	3770900	7.56E-07
1191	374450	3770900	6.45E-07
1192	374500	3770900	4.96E-07
1193	374550	3770900	3.53E-07
1194	374600	3770900	2.63E-07
1195	374650	3770900	2.20E-07
1196	374700	3770900	1.93E-07
1197	374750	3770900	1.73E-07
1198	374800	3770900	1.60E-07
1199	374850	3770900	1.50E-07
1200	374900	3770900	1.34E-07
1201	374950	3770900	1.29E-07
1202	375000	3770900	1.28E-07
1203	375050	3770900	1.25E-07
1204	375100	3770900	1.15E-07
1205	375150	3770900	1.07E-07
1206	375200	3770900	1.00E-07
1207	375250	3770900	9.48E-08
1208	375300	3770900	9.09E-08
1209	375350	3770900	8.73E-08
1210	375400	3770900	8.33E-08
1211	373900	3770950	1.25E-07
1212	373950	3770950	1.52E-07
1213	374000	3770950	1.90E-07
1214	374050	3770950	2.53E-07
1215	374100	3770950	3.46E-07
1216	374150	3770950	4.74E-07
1217	374200	3770950	6.52E-07
1218	374250	3770950	8.31E-07
1219	374300	3770950	9.65E-07
1220	374350	3770950	1.00E-06
1221	374400	3770950	9.46E-07
1222	374450	3770950	8.21E-07
1223	374500	3770950	6.57E-07
1224	374550	3770950	4.60E-07
1225	374600	3770950	3.21E-07
1226	374650	3770950	2.52E-07
1227	374700	3770950	2.14E-07
1228	374750	3770950	1.89E-07
1229	374800	3770950	1.73E-07
1230	374850	3770950	1.62E-07
1231	374900	3770950	1.48E-07
1232	374950	3770950	1.42E-07
1233	375000	3770950	1.44E-07
1234	375050	3770950	1.29E-07
1235	375100	3770950	1.19E-07
1236	375150	3770950	1.15E-07
1237	375200	3770950	1.07E-07
1238	375250	3770950	1.02E-07
1239	375300	3770950	9.82E-08
1240	375350	3770950	9.53E-08
1241	375400	3770950	9.05E-08
1242	373900	3771000	1.09E-07
1243	373950	3771000	1.27E-07
1244	374000	3771000	1.55E-07
1245	374050	3771000	1.98E-07
1246	374100	3771000	2.68E-07

Television City

Cancer Risk by Receptor - Existing Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
1247	374150	3771000	1.28E-06
1248	374200	3771000	1.84E-06
1249	374250	3771000	2.59E-06
1250	374300	3771000	3.34E-06
1251	374350	3771000	3.86E-06
1252	374400	3771000	3.94E-06
1253	374450	3771000	3.67E-06
1254	374500	3771000	3.02E-06
1255	374550	3771000	2.15E-06
1256	374600	3771000	1.40E-06
1257	374650	3771000	1.02E-06
1258	374700	3771000	8.25E-07
1259	374750	3771000	7.18E-07
1260	374800	3771000	6.52E-07
1261	374850	3771000	6.18E-07
1262	374900	3771000	5.61E-07
1263	374950	3771000	5.37E-07
1264	375000	3771000	5.44E-07
1265	375050	3771000	4.82E-07
1266	375100	3771000	4.43E-07
1267	375150	3771000	4.30E-07
1268	375200	3771000	4.06E-07
1269	375250	3771000	3.86E-07
1270	375300	3771000	3.69E-07
1271	375350	3771000	3.59E-07
1272	375400	3771000	3.44E-07
1273	373900	3771050	3.45E-07
1274	373950	3771050	3.90E-07
1275	374000	3771050	4.52E-07
1276	374050	3771050	5.49E-07
1277	374100	3771050	7.00E-07
1278	374150	3771050	9.54E-07
1279	374200	3771050	1.39E-06
1280	374250	3771050	2.09E-06
1281	375000	3771050	6.02E-07
1282	375050	3771050	5.36E-07
1283	375100	3771050	5.01E-07
1284	375150	3771050	4.81E-07
1285	375200	3771050	4.58E-07
1286	375250	3771050	4.34E-07
1287	375300	3771050	4.11E-07
1288	375350	3771050	3.95E-07
1289	375400	3771050	3.75E-07
1290	373900	3771100	3.28E-07
1291	373950	3771100	3.63E-07
1292	374000	3771100	4.06E-07
1293	374050	3771100	4.68E-07
1294	374100	3771100	5.60E-07
1295	374150	3771100	7.18E-07
1296	374200	3771100	9.89E-07
1297	374250	3771100	1.48E-06
1298	375000	3771100	6.92E-07
1299	375050	3771100	6.22E-07
1300	375100	3771100	5.81E-07
1301	375150	3771100	5.54E-07
1302	375200	3771100	5.20E-07
1303	375250	3771100	4.94E-07
1304	375300	3771100	4.65E-07
1305	375350	3771100	4.41E-07
1306	375400	3771100	4.18E-07
1307	373900	3771150	3.14E-07
1308	373950	3771150	3.46E-07
1309	374000	3771150	3.81E-07
1310	374050	3771150	4.28E-07
1311	374100	3771150	4.91E-07
1312	374150	3771150	5.81E-07
1313	374200	3771150	7.38E-07
1314	374250	3771150	1.01E-06
1315	375000	3771150	8.39E-07
1316	375050	3771150	7.46E-07
1317	375100	3771150	6.98E-07
1318	375150	3771150	6.55E-07
1319	375200	3771150	6.07E-07
1320	375250	3771150	5.69E-07
1321	375300	3771150	5.28E-07
1322	375350	3771150	4.97E-07
1323	375400	3771150	4.66E-07
1324	373900	3771200	3.08E-07
1325	373950	3771200	3.38E-07
1326	374000	3771200	3.71E-07
1327	374050	3771200	4.12E-07
1328	374100	3771200	4.64E-07
1329	374150	3771200	5.25E-07
1330	374200	3771200	6.15E-07
1331	374250	3771200	7.53E-07
1332	375000	3771200	1.04E-06
1333	375050	3771200	9.25E-07
1334	375100	3771200	8.41E-07
1335	375150	3771200	7.72E-07

No.	X	Y	Risk
1247	374150	3771000	8.98E-08
1248	374200	3771000	1.29E-07
1249	374250	3771000	1.81E-07
1250	374300	3771000	2.34E-07
1251	374350	3771000	2.70E-07
1252	374400	3771000	2.76E-07
1253	374450	3771000	2.57E-07
1254	374500	3771000	2.11E-07
1255	374550	3771000	1.51E-07
1256	374600	3771000	9.81E-08
1257	374650	3771000	7.10E-08
1258	374700	3771000	5.76E-08
1259	374750	3771000	5.01E-08
1260	374800	3771000	4.55E-08
1261	374850	3771000	4.31E-08
1262	374900	3771000	3.92E-08
1263	374950	3771000	3.75E-08
1264	375000	3771000	3.80E-08
1265	375050	3771000	3.37E-08
1266	375100	3771000	3.10E-08
1267	375150	3771000	3.01E-08
1268	375200	3771000	2.84E-08
1269	375250	3771000	2.70E-08
1270	375300	3771000	2.58E-08
1271	375350	3771000	2.51E-08
1272	375400	3771000	2.40E-08
1273	373900	3771050	2.41E-08
1274	373950	3771050	2.73E-08
1275	374000	3771050	3.16E-08
1276	374050	3771050	3.84E-08
1277	374100	3771050	4.90E-08
1278	374150	3771050	6.67E-08
1279	374200	3771050	9.70E-08
1280	374250	3771050	1.46E-07
1281	375000	3771050	4.21E-08
1282	375050	3771050	3.75E-08
1283	375100	3771050	3.50E-08
1284	375150	3771050	3.36E-08
1285	375200	3771050	3.20E-08
1286	375250	3771050	3.04E-08
1287	375300	3771050	2.87E-08
1288	375350	3771050	2.76E-08
1289	375400	3771050	2.63E-08
1290	373900	3771100	2.29E-08
1291	373950	3771100	2.54E-08
1292	374000	3771100	2.84E-08
1293	374050	3771100	3.27E-08
1294	374100	3771100	3.91E-08
1295	374150	3771100	5.02E-08
1296	374200	3771100	6.92E-08
1297	374250	3771100	1.04E-07
1298	375000	3771100	4.83E-08
1299	375050	3771100	4.35E-08
1300	375100	3771100	4.06E-08
1301	375150	3771100	3.87E-08
1302	375200	3771100	3.64E-08
1303	375250	3771100	3.46E-08
1304	375300	3771100	3.25E-08
1305	375350	3771100	3.08E-08
1306	375400	3771100	2.92E-08
1307	373900	3771150	2.20E-08
1308	373950	3771150	2.42E-08
1309	374000	3771150	2.66E-08
1310	374050	3771150	2.99E-08
1311	374100	3771150	3.43E-08
1312	374150	3771150	4.06E-08
1313	374200	3771150	5.15E-08
1314	374250	3771150	7.08E-08
1315	375000	3771150	5.86E-08
1316	375050	3771150	5.22E-08
1317	375100	3771150	4.88E-08
1318	375150	3771150	4.58E-08
1319	375200	3771150	4.24E-08
1320	375250	3771150	3.98E-08
1321	375300	3771150	3.69E-08
1322	375350	3771150	3.48E-08
1323	375400	3771150	3.26E-08
1324	373900	3771200	2.16E-08
1325	373950	3771200	2.36E-08
1326	374000	3771200	2.59E-08
1327	374050	3771200	2.88E-08
1328	374100	3771200	3.24E-08
1329	374150	3771200	3.67E-08
1330	374200	3771200	4.30E-08
1331	374250	3771200	5.26E-08
1332	375000	3771200	7.28E-08
1333	375050	3771200	6.47E-08
1334	375100	3771200	5.88E-08
1335	375150	3771200	5.40E-08

No.	X	Y	Risk
1247	374150	3771000	3.72E-07
1248	374200	3771000	5.33E-07
1249	374250	3771000	7.49E-07
1250	374300	3771000	9.69E-07
1251	374350	3771000	1.12E-06
1252	374400	3771000	1.14E-06
1253	374450	3771000	1.06E-06
1254	374500	3771000	8.74E-07
1255	374550	3771000	6.23E-07
1256	374600	3771000	4.05E-07
1257	374650	3771000	2.93E-07
1258	374700	3771000	2.38E-07
1259	374750	3771000	2.07E-07
1260	374800	3771000	1.88E-07
1261	374850	3771000	1.78E-07
1262	374900	3771000	1.62E-07
1263	374950	3771000	1.55E-07
1264	375000	3771000	1.57E-07
1265	375050	3771000	1.39E-07
1266	375100	3771000	1.28E-07
1267	375150	3771000	1.25E-07
1268	375200	3771000	1.17E-07
1269	375250	3771000	1.12E-07
1270	375300	3771000	1.07E-07
1271	375350	3771000	1.04E-07
1272	375400	3771000	9.95E-08
1273	373900	3771050	9.99E-08
1274	373950	3771050	1.13E-07
1275	374000	3771050	1.31E-07
1276	374050	3771050	1.59E-07
1277	374100	3771050	2.03E-07
1278	374150	3771050	2.76E-07
1279	374200	3771050	4.01E-07
1280	374250	3771050	6.04E-07
1281	375000	3771050	1.74E-07
1282	375050	3771050	1.55E-07
1283	375100	3771050	1.45E-07
1284	375150	3771050	1.39E-07
1285	375200	3771050	1.32E-07
1286	375250	3771050	1.26E-07
1287	375300	3771050	1.19E-07
1288	375350	3771050	1.14E-07
1289	375400	3771050	1.09E-07
1290	373900	3771100	9.47E-08
1291	373950	3771100	1.05E-07
1292	374000	3771100	1.17E-07
1293	374050	3771100	1.35E-07
1294	374100	3771100	1.62E-07
1295	374150	3771100	2.08E-07
1296	374200	3771100	2.86E-07
1297	374250	3771100	4.28E-07
1298	375000	3771100	2.00E-07
1299	375050	3771100	1.80E-07
1300	375100	3771100	1.68E-07
1301	375150	3771100	1.60E-07
1302	375200	3771100	1.51E-07
1303	375250	3771100	1.43E-07
1304	375300	3771100	1.35E-07
1305	375350	3771100	1.28E-07
1306	375400	3771100	1.21E-07
1307	373900	3771150	9.09E-08
1308	373950	3771150	1.00E-07
1309	374000	3771150	1.10E-07
1310	374050	3771150	1.24E-07
1311	374100	3771150	1.42E-07
1312	374150	3771150	1.68E-07
1313	374200	3771150	2.13E-07
1314	374250	3771150	2.92E-07
1315	375000	3771150	2.42E-07
1316	375050	3771150	2.16E-07
1317	375100	3771150	2.02E-07
1318	375150	3771150	1.89E-07
1319	375200	3771150	1.76E-07
1320	375250	3771150	1.65E-07
1321	375300	3771150	1.53E-07
1322	375350	3771150	1.44E-07
1323	375400	3771150	1.35E-07
1324	373900	3771200	8.91E-08
1325	373950	3771200	9.77E-08
1326	374000	3771200	1.07E-07
1327	374050	3771200	1.19E-07
1328	374100	3771200	1.34E-07
1329	374150	3771200	1.51E-07
1330	374200	3771200	1.77E-07
1331	374250	3771200	2.17E-07
1332	375000	3771200	3.01E-07
1333	375050	3771200	2.68E-07
1334	375100	3771200	2.43E-07
1335	375150	3771200	2.24E-07

Television City

Cancer Risk by Receptor - Existing Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
1336	375200	3771200	7.03E-07
1337	375250	3771200	6.50E-07
1338	375300	3771200	5.99E-07
1339	375350	3771200	5.56E-07
1340	375400	3771200	5.16E-07
1341	373900	3771250	3.01E-07
1342	373950	3771250	3.31E-07
1343	374000	3771250	3.65E-07
1344	374050	3771250	4.04E-07
1345	374100	3771250	4.50E-07
1346	374150	3771250	5.07E-07
1347	374200	3771250	5.76E-07
1348	374250	3771250	6.72E-07
1349	375000	3771250	1.29E-06
1350	375050	3771250	1.12E-06
1351	375100	3771250	9.85E-07
1352	375150	3771250	8.88E-07
1353	375200	3771250	7.96E-07
1354	375250	3771250	7.26E-07
1355	375300	3771250	6.65E-07
1356	375350	3771250	6.10E-07
1357	375400	3771250	5.62E-07
1358	373900	3771300	2.95E-07
1359	373950	3771300	3.24E-07
1360	374000	3771300	3.57E-07
1361	374050	3771300	3.95E-07
1362	374100	3771300	4.38E-07
1363	374150	3771300	4.92E-07
1364	374200	3771300	5.57E-07
1365	374250	3771300	6.25E-07
1366	375000	3771300	1.48E-06
1367	375050	3771300	1.26E-06
1368	375100	3771300	1.10E-06
1369	375150	3771300	9.72E-07
1370	375200	3771300	8.65E-07
1371	375250	3771300	7.82E-07
1372	375300	3771300	7.10E-07
1373	375350	3771300	6.51E-07
1374	375400	3771300	5.96E-07
1375	373900	3771350	2.83E-07
1376	373950	3771350	3.10E-07
1377	374000	3771350	3.41E-07
1378	374050	3771350	3.74E-07
1379	374100	3771350	4.14E-07
1380	374150	3771350	4.59E-07
1381	374200	3771350	5.13E-07
1382	374250	3771350	5.67E-07
1383	375000	3771350	1.57E-06
1384	375050	3771350	1.33E-06
1385	375100	3771350	1.15E-06
1386	375150	3771350	1.02E-06
1387	375200	3771350	9.03E-07
1388	375250	3771350	8.11E-07
1389	375300	3771350	7.35E-07
1390	375350	3771350	6.73E-07
1391	375400	3771350	6.16E-07
1392	373900	3771400	2.69E-07
1393	373950	3771400	2.92E-07
1394	374000	3771400	3.18E-07
1395	374050	3771400	3.48E-07
1396	374100	3771400	3.80E-07
1397	374150	3771400	4.17E-07
1398	374200	3771400	4.62E-07
1399	374250	3771400	5.05E-07
1400	375000	3771400	1.54E-06
1401	375050	3771400	1.32E-06
1402	375100	3771400	1.15E-06
1403	375150	3771400	1.01E-06
1404	375200	3771400	9.02E-07
1405	375250	3771400	8.14E-07
1406	375300	3771400	7.39E-07
1407	375350	3771400	6.75E-07
1408	375400	3771400	6.21E-07
1409	373900	3771450	2.54E-07
1410	373950	3771450	2.73E-07
1411	374000	3771450	2.96E-07
1412	374050	3771450	3.22E-07
1413	374100	3771450	3.51E-07
1414	374150	3771450	3.83E-07
1415	374200	3771450	4.22E-07
1416	374250	3771450	4.64E-07
1417	375000	3771450	1.39E-06
1418	375050	3771450	1.24E-06
1419	375100	3771450	1.10E-06
1420	375150	3771450	9.81E-07
1421	375200	3771450	8.79E-07
1422	375250	3771450	7.92E-07
1423	375300	3771450	7.21E-07
1424	375350	3771450	6.61E-07

No.	X	Y	Risk
1336	375200	3771200	4.92E-08
1337	375250	3771200	4.54E-08
1338	375300	3771200	4.19E-08
1339	375350	3771200	3.89E-08
1340	375400	3771200	3.61E-08
1341	373900	3771250	2.10E-08
1342	373950	3771250	2.32E-08
1343	374000	3771250	2.55E-08
1344	374050	3771250	2.83E-08
1345	374100	3771250	3.15E-08
1346	374150	3771250	3.54E-08
1347	374200	3771250	4.02E-08
1348	374250	3771250	4.69E-08
1349	375000	3771250	9.01E-08
1350	375050	3771250	7.84E-08
1351	375100	3771250	6.89E-08
1352	375150	3771250	6.21E-08
1353	375200	3771250	5.57E-08
1354	375250	3771250	5.08E-08
1355	375300	3771250	4.65E-08
1356	375350	3771250	4.26E-08
1357	375400	3771250	3.93E-08
1358	373900	3771300	2.06E-08
1359	373950	3771300	2.27E-08
1360	374000	3771300	2.49E-08
1361	374050	3771300	2.76E-08
1362	374100	3771300	3.06E-08
1363	374150	3771300	3.43E-08
1364	374200	3771300	3.89E-08
1365	374250	3771300	4.37E-08
1366	375000	3771300	1.04E-07
1367	375050	3771300	8.83E-08
1368	375100	3771300	7.66E-08
1369	375150	3771300	6.80E-08
1370	375200	3771300	6.05E-08
1371	375250	3771300	5.47E-08
1372	375300	3771300	4.97E-08
1373	375350	3771300	4.55E-08
1374	375400	3771300	4.17E-08
1375	373900	3771350	1.98E-08
1376	373950	3771350	2.17E-08
1377	374000	3771350	2.38E-08
1378	374050	3771350	2.61E-08
1379	374100	3771350	2.89E-08
1380	374150	3771350	3.21E-08
1381	374200	3771350	3.58E-08
1382	374250	3771350	3.96E-08
1383	375000	3771350	1.10E-07
1384	375050	3771350	9.31E-08
1385	375100	3771350	8.05E-08
1386	375150	3771350	7.12E-08
1387	375200	3771350	6.31E-08
1388	375250	3771350	5.67E-08
1389	375300	3771350	5.14E-08
1390	375350	3771350	4.71E-08
1391	375400	3771350	4.31E-08
1392	373900	3771400	1.88E-08
1393	373950	3771400	2.04E-08
1394	374000	3771400	2.22E-08
1395	374050	3771400	2.43E-08
1396	374100	3771400	2.65E-08
1397	374150	3771400	2.92E-08
1398	374200	3771400	3.23E-08
1399	374250	3771400	3.52E-08
1400	375000	3771400	1.08E-07
1401	375050	3771400	9.26E-08
1402	375100	3771400	8.05E-08
1403	375150	3771400	7.07E-08
1404	375200	3771400	6.31E-08
1405	375250	3771400	5.70E-08
1406	375300	3771400	5.17E-08
1407	375350	3771400	4.72E-08
1408	375400	3771400	4.34E-08
1409	373900	3771450	1.77E-08
1410	373950	3771450	1.91E-08
1411	374000	3771450	2.07E-08
1412	374050	3771450	2.25E-08
1413	374100	3771450	2.45E-08
1414	374150	3771450	2.68E-08
1415	374200	3771450	2.95E-08
1416	374250	3771450	3.24E-08
1417	375000	3771450	9.70E-08
1418	375050	3771450	8.69E-08
1419	375100	3771450	7.69E-08
1420	375150	3771450	6.86E-08
1421	375200	3771450	6.14E-08
1422	375250	3771450	5.54E-08
1423	375300	3771450	5.04E-08
1424	375350	3771450	4.62E-08

No.	X	Y	Risk
1336	375200	3771200	2.04E-07
1337	375250	3771200	1.88E-07
1338	375300	3771200	1.74E-07
1339	375350	3771200	1.61E-07
1340	375400	3771200	1.49E-07
1341	373900	3771250	8.70E-08
1342	373950	3771250	9.58E-08
1343	374000	3771250	1.05E-07
1344	374050	3771250	1.17E-07
1345	374100	3771250	1.30E-07
1346	374150	3771250	1.46E-07
1347	374200	3771250	1.66E-07
1348	374250	3771250	1.93E-07
1349	375000	3771250	3.73E-07
1350	375050	3771250	3.24E-07
1351	375100	3771250	2.85E-07
1352	375150	3771250	2.57E-07
1353	375200	3771250	2.31E-07
1354	375250	3771250	2.10E-07
1355	375300	3771250	1.93E-07
1356	375350	3771250	1.77E-07
1357	375400	3771250	1.63E-07
1358	373900	3771300	8.52E-08
1359	373950	3771300	9.37E-08
1360	374000	3771300	1.03E-07
1361	374050	3771300	1.14E-07
1362	374100	3771300	1.26E-07
1363	374150	3771300	1.42E-07
1364	374200	3771300	1.60E-07
1365	374250	3771300	1.80E-07
1366	375000	3771300	4.29E-07
1367	375050	3771300	3.65E-07
1368	375100	3771300	3.17E-07
1369	375150	3771300	2.81E-07
1370	375200	3771300	2.50E-07
1371	375250	3771300	2.27E-07
1372	375300	3771300	2.06E-07
1373	375350	3771300	1.89E-07
1374	375400	3771300	1.73E-07
1375	373900	3771350	8.19E-08
1376	373950	3771350	8.96E-08
1377	374000	3771350	9.86E-08
1378	374050	3771350	1.08E-07
1379	374100	3771350	1.19E-07
1380	374150	3771350	1.32E-07
1381	374200	3771350	1.48E-07
1382	374250	3771350	1.63E-07
1383	375000	3771350	4.53E-07
1384	375050	3771350	3.85E-07
1385	375100	3771350	3.33E-07
1386	375150	3771350	2.95E-07
1387	375200	3771350	2.61E-07
1388	375250	3771350	2.35E-07
1389	375300	3771350	2.13E-07
1390	375350	3771350	1.95E-07
1391	375400	3771350	1.78E-07
1392	373900	3771400	7.77E-08
1393	373950	3771400	8.45E-08
1394	374000	3771400	9.19E-08
1395	374050	3771400	1.00E-07
1396	374100	3771400	1.10E-07
1397	374150	3771400	1.20E-07
1398	374200	3771400	1.33E-07
1399	374250	3771400	1.45E-07
1400	375000	3771400	4.45E-07
1401	375050	3771400	3.83E-07
1402	375100	3771400	3.33E-07
1403	375150	3771400	2.93E-07
1404	375200	3771400	2.61E-07
1405	375250	3771400	2.36E-07
1406	375300	3771400	2.14E-07
1407	375350	3771400	1.96E-07
1408	375400	3771400	1.80E-07
1409	373900	3771450	7.34E-08
1410	373950	3771450	7.89E-08
1411	374000	3771450	8.55E-08
1412	374050	3771450	9.29E-08
1413	374100	3771450	1.01E-07
1414	374150	3771450	1.10E-07
1415	374200	3771450	1.22E-07
1416	374250	3771450	1.33E-07
1417	375000	3771450	4.01E-07
1418	375050	3771450	3.59E-07
1419	375100	3771450	3.18E-07
1420	375150	3771450	2.84E-07
1421	375200	3771450	2.54E-07
1422	375250	3771450	2.29E-07
1423	375300	3771450	2.09E-07
1424	375350	3771450	1.91E-07

Television City

Cancer Risk by Receptor - Existing Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
1425	375400	3771450	6.09E-07
1426	373900	3771500	2.42E-07
1427	373950	3771500	2.59E-07
1428	374000	3771500	2.80E-07
1429	374050	3771500	3.03E-07
1430	374100	3771500	3.30E-07
1431	374150	3771500	3.59E-07
1432	374200	3771500	3.96E-07
1433	374250	3771500	4.38E-07
1434	375000	3771500	1.17E-06
1435	375050	3771500	1.09E-06
1436	375100	3771500	9.97E-07
1437	375150	3771500	9.14E-07
1438	375200	3771500	8.26E-07
1439	375250	3771500	7.54E-07
1440	375300	3771500	6.92E-07
1441	375350	3771500	6.33E-07
1442	375400	3771500	5.84E-07
1443	373900	3771550	2.30E-07
1444	373950	3771550	2.47E-07
1445	374000	3771550	2.66E-07
1446	374050	3771550	2.86E-07
1447	374100	3771550	3.10E-07
1448	374150	3771550	3.37E-07
1449	374200	3771550	3.70E-07
1450	374250	3771550	4.07E-07
1451	374300	3771550	4.45E-07
1452	374350	3771550	4.78E-07
1453	374400	3771550	5.25E-07
1454	374450	3771550	6.16E-07
1455	374500	3771550	8.04E-07
1456	374550	3771550	1.10E-06
1457	374600	3771550	1.45E-06
1458	374650	3771550	1.70E-06
1459	374700	3771550	1.68E-06
1460	374750	3771550	1.60E-06
1461	374800	3771550	1.43E-06
1462	374850	3771550	1.26E-06
1463	374900	3771550	1.13E-06
1464	374950	3771550	1.04E-06
1465	375000	3771550	9.74E-07
1466	375050	3771550	9.26E-07
1467	375100	3771550	8.64E-07
1468	375150	3771550	8.16E-07
1469	375200	3771550	7.53E-07
1470	375250	3771550	7.00E-07
1471	375300	3771550	6.50E-07
1472	375350	3771550	5.99E-07
1473	375400	3771550	5.55E-07
1474	373900	3771600	2.20E-07
1475	373950	3771600	2.35E-07
1476	374000	3771600	2.52E-07
1477	374050	3771600	2.72E-07
1478	374100	3771600	2.93E-07
1479	374150	3771600	3.18E-07
1480	374200	3771600	3.47E-07
1481	374250	3771600	3.78E-07
1482	374300	3771600	4.07E-07
1483	374350	3771600	4.38E-07
1484	374400	3771600	4.86E-07
1485	374450	3771600	5.69E-07
1486	374500	3771600	7.20E-07
1487	374550	3771600	9.40E-07
1488	374600	3771600	1.21E-06
1489	374650	3771600	1.41E-06
1490	374700	3771600	1.43E-06
1491	374750	3771600	1.36E-06
1492	374800	3771600	1.22E-06
1493	374850	3771600	1.08E-06
1494	374900	3771600	9.56E-07
1495	374950	3771600	8.75E-07
1496	375000	3771600	8.19E-07
1497	375050	3771600	7.81E-07
1498	375100	3771600	7.38E-07
1499	375150	3771600	7.07E-07
1500	375200	3771600	6.63E-07
1501	375250	3771600	6.32E-07
1502	375300	3771600	5.94E-07
1503	375350	3771600	5.57E-07
1504	375400	3771600	5.19E-07
1505	373900	3771650	2.10E-07
1506	373950	3771650	2.24E-07
1507	374000	3771650	2.39E-07
1508	374050	3771650	2.57E-07
1509	374100	3771650	2.77E-07
1510	374150	3771650	3.00E-07
1511	374200	3771650	3.22E-07
1512	374250	3771650	3.43E-07
1513	374300	3771650	3.67E-07

No.	X	Y	Risk
1425	375400	3771450	4.26E-08
1426	373900	3771500	1.69E-08
1427	373950	3771500	1.81E-08
1428	374000	3771500	1.96E-08
1429	374050	3771500	2.12E-08
1430	374100	3771500	2.30E-08
1431	374150	3771500	2.51E-08
1432	374200	3771500	2.77E-08
1433	374250	3771500	3.06E-08
1434	375000	3771500	8.15E-08
1435	375050	3771500	7.62E-08
1436	375100	3771500	6.97E-08
1437	375150	3771500	6.39E-08
1438	375200	3771500	5.77E-08
1439	375250	3771500	5.27E-08
1440	375300	3771500	4.84E-08
1441	375350	3771500	4.43E-08
1442	375400	3771500	4.08E-08
1443	373900	3771550	1.61E-08
1444	373950	3771550	1.73E-08
1445	374000	3771550	1.86E-08
1446	374050	3771550	2.00E-08
1447	374100	3771550	2.17E-08
1448	374150	3771550	2.36E-08
1449	374200	3771550	2.59E-08
1450	374250	3771550	2.84E-08
1451	374300	3771550	3.11E-08
1452	374350	3771550	3.34E-08
1453	374400	3771550	3.67E-08
1454	374450	3771550	4.30E-08
1455	374500	3771550	5.61E-08
1456	374550	3771550	7.67E-08
1457	374600	3771550	1.01E-07
1458	374650	3771550	1.19E-07
1459	374700	3771550	1.17E-07
1460	374750	3771550	1.12E-07
1461	374800	3771550	9.99E-08
1462	374850	3771550	8.78E-08
1463	374900	3771550	7.86E-08
1464	374950	3771550	7.26E-08
1465	375000	3771550	6.80E-08
1466	375050	3771550	6.47E-08
1467	375100	3771550	6.04E-08
1468	375150	3771550	5.70E-08
1469	375200	3771550	5.26E-08
1470	375250	3771550	4.90E-08
1471	375300	3771550	4.54E-08
1472	375350	3771550	4.19E-08
1473	375400	3771550	3.88E-08
1474	373900	3771600	1.54E-08
1475	373950	3771600	1.64E-08
1476	374000	3771600	1.76E-08
1477	374050	3771600	1.90E-08
1478	374100	3771600	2.05E-08
1479	374150	3771600	2.23E-08
1480	374200	3771600	2.43E-08
1481	374250	3771600	2.64E-08
1482	374300	3771600	2.84E-08
1483	374350	3771600	3.06E-08
1484	374400	3771600	3.40E-08
1485	374450	3771600	3.97E-08
1486	374500	3771600	5.03E-08
1487	374550	3771600	6.56E-08
1488	374600	3771600	8.44E-08
1489	374650	3771600	9.85E-08
1490	374700	3771600	9.96E-08
1491	374750	3771600	9.51E-08
1492	374800	3771600	8.54E-08
1493	374850	3771600	7.53E-08
1494	374900	3771600	6.68E-08
1495	374950	3771600	6.11E-08
1496	375000	3771600	5.72E-08
1497	375050	3771600	5.46E-08
1498	375100	3771600	5.16E-08
1499	375150	3771600	4.94E-08
1500	375200	3771600	4.64E-08
1501	375250	3771600	4.42E-08
1502	375300	3771600	4.15E-08
1503	375350	3771600	3.89E-08
1504	375400	3771600	3.63E-08
1505	373900	3771650	1.47E-08
1506	373950	3771650	1.57E-08
1507	374000	3771650	1.67E-08
1508	374050	3771650	1.79E-08
1509	374100	3771650	1.94E-08
1510	374150	3771650	2.10E-08
1511	374200	3771650	2.25E-08
1512	374250	3771650	2.40E-08
1513	374300	3771650	2.56E-08

No.	X	Y	Risk
1425	375400	3771450	1.76E-07
1426	373900	3771500	6.98E-08
1427	373950	3771500	7.50E-08
1428	374000	3771500	8.09E-08
1429	374050	3771500	8.74E-08
1430	374100	3771500	9.51E-08
1431	374150	3771500	1.03E-07
1432	374200	3771500	1.14E-07
1433	374250	3771500	1.26E-07
1434	375000	3771500	3.37E-07
1435	375050	3771500	3.15E-07
1436	375100	3771500	2.88E-07
1437	375150	3771500	2.64E-07
1438	375200	3771500	2.39E-07
1439	375250	3771500	2.18E-07
1440	375300	3771500	2.00E-07
1441	375350	3771500	1.83E-07
1442	375400	3771500	1.69E-07
1443	373900	3771550	6.66E-08
1444	373950	3771550	7.14E-08
1445	374000	3771550	7.68E-08
1446	374050	3771550	8.26E-08
1447	374100	3771550	8.95E-08
1448	374150	3771550	9.73E-08
1449	374200	3771550	1.07E-07
1450	374250	3771550	1.17E-07
1451	374300	3771550	1.28E-07
1452	374350	3771550	1.37E-07
1453	374400	3771550	1.51E-07
1454	374450	3771550	1.77E-07
1455	374500	3771550	2.31E-07
1456	374550	3771550	3.16E-07
1457	374600	3771550	4.18E-07
1458	374650	3771550	4.90E-07
1459	374700	3771550	4.84E-07
1460	374750	3771550	4.61E-07
1461	374800	3771550	4.12E-07
1462	374850	3771550	3.62E-07
1463	374900	3771550	3.24E-07
1464	374950	3771550	3.00E-07
1465	375000	3771550	2.81E-07
1466	375050	3771550	2.68E-07
1467	375100	3771550	2.50E-07
1468	375150	3771550	2.36E-07
1469	375200	3771550	2.18E-07
1470	375250	3771550	2.03E-07
1471	375300	3771550	1.88E-07
1472	375350	3771550	1.73E-07
1473	375400	3771550	1.61E-07
1474	373900	3771600	6.37E-08
1475	373950	3771600	6.78E-08
1476	374000	3771600	7.28E-08
1477	374050	3771600	7.85E-08
1478	374100	3771600	8.47E-08
1479	374150	3771600	9.19E-08
1480	374200	3771600	1.00E-07
1481	374250	3771600	1.09E-07
1482	374300	3771600	1.17E-07
1483	374350	3771600	1.26E-07
1484	374400	3771600	1.40E-07
1485	374450	3771600	1.64E-07
1486	374500	3771600	2.07E-07
1487	374550	3771600	2.71E-07
1488	374600	3771600	3.48E-07
1489	374650	3771600	4.07E-07
1490	374700	3771600	4.11E-07
1491	374750	3771600	3.93E-07
1492	374800	3771600	3.52E-07
1493	374850	3771600	3.11E-07
1494	374900	3771600	2.76E-07
1495	374950	3771600	2.52E-07
1496	375000	3771600	2.37E-07
1497	375050	3771600	2.26E-07
1498	375100	3771600	2.13E-07
1499	375150	3771600	2.04E-07
1500	375200	3771600	1.92E-07
1501	375250	3771600	1.83E-07
1502	375300	3771600	1.72E-07
1503	375350	3771600	1.61E-07
1504	375400	3771600	1.50E-07
1505	373900	3771650	6.08E-08
1506	373950	3771650	6.48E-08
1507	374000	3771650	6.92E-08
1508	374050	3771650	7.42E-08
1509	374100	3771650	8.00E-08
1510	374150	3771650	8.66E-08
1511	374200	3771650	9.30E-08
1512	374250	3771650	9.89E-08
1513	374300	3771650	1.06E-07

Television City

Cancer Risk by Receptor - Existing Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
1514	374350	3771650	3.99E-07
1515	374400	3771650	4.47E-07
1516	374450	3771650	5.25E-07
1517	374500	3771650	6.51E-07
1518	374550	3771650	8.17E-07
1519	374600	3771650	1.02E-06
1520	374650	3771650	1.19E-06
1521	374700	3771650	1.22E-06
1522	374750	3771650	1.18E-06
1523	374800	3771650	1.07E-06
1524	374850	3771650	9.46E-07
1525	374900	3771650	8.40E-07
1526	374950	3771650	7.62E-07
1527	375000	3771650	7.10E-07
1528	375050	3771650	6.69E-07
1529	375100	3771650	6.38E-07
1530	375150	3771650	6.12E-07
1531	375200	3771650	5.86E-07
1532	375250	3771650	5.60E-07
1533	375300	3771650	5.33E-07
1534	375350	3771650	5.08E-07
1535	375400	3771650	4.80E-07
1536	373900	3771700	2.01E-07
1537	373950	3771700	2.14E-07
1538	374000	3771700	2.29E-07
1539	374050	3771700	2.45E-07
1540	374100	3771700	2.63E-07
1541	374150	3771700	2.81E-07
1542	374200	3771700	2.94E-07
1543	374250	3771700	3.13E-07
1544	374300	3771700	3.26E-07
1545	374350	3771700	3.59E-07
1546	374400	3771700	4.04E-07
1547	374450	3771700	4.71E-07
1548	374500	3771700	5.74E-07
1549	374550	3771700	7.03E-07
1550	374600	3771700	8.54E-07
1551	374650	3771700	1.00E-06
1552	374700	3771700	1.04E-06
1553	374750	3771700	1.01E-06
1554	374800	3771700	9.24E-07
1555	374850	3771700	8.30E-07
1556	374900	3771700	7.37E-07
1557	374950	3771700	6.70E-07
1558	375000	3771700	6.17E-07
1559	375050	3771700	5.82E-07
1560	375100	3771700	5.49E-07
1561	375150	3771700	5.30E-07
1562	375200	3771700	5.03E-07
1563	375250	3771700	4.86E-07
1564	375300	3771700	4.69E-07
1565	375350	3771700	4.51E-07
1566	375400	3771700	4.29E-07
1567	373900	3771750	1.93E-07
1568	373950	3771750	2.05E-07
1569	374000	3771750	2.18E-07
1570	374050	3771750	2.33E-07
1571	374100	3771750	2.46E-07
1572	374150	3771750	2.58E-07
1573	374200	3771750	2.70E-07
1574	374250	3771750	2.77E-07
1575	374300	3771750	2.97E-07
1576	374350	3771750	3.25E-07
1577	374400	3771750	3.67E-07
1578	374450	3771750	4.28E-07
1579	374500	3771750	5.08E-07
1580	374550	3771750	6.07E-07
1581	374600	3771750	7.30E-07
1582	374650	3771750	8.45E-07
1583	374700	3771750	8.93E-07
1584	374750	3771750	8.81E-07
1585	374800	3771750	8.15E-07
1586	374850	3771750	7.40E-07
1587	374900	3771750	6.61E-07
1588	374950	3771750	5.99E-07
1589	375000	3771750	5.49E-07
1590	375050	3771750	5.16E-07
1591	375100	3771750	4.84E-07
1592	375150	3771750	4.68E-07
1593	375200	3771750	4.43E-07
1594	375250	3771750	4.28E-07
1595	375300	3771750	4.12E-07
1596	375350	3771750	4.01E-07
1597	375400	3771750	3.88E-07
1598	373900	3771800	1.85E-07
1599	373950	3771800	1.96E-07
1600	374000	3771800	2.08E-07
1601	374050	3771800	2.22E-07
1602	374100	3771800	2.32E-07

No.	X	Y	Risk
1514	374350	3771650	2.78E-08
1515	374400	3771650	3.12E-08
1516	374450	3771650	3.66E-08
1517	374500	3771650	4.55E-08
1518	374550	3771650	5.70E-08
1519	374600	3771650	7.11E-08
1520	374650	3771650	8.31E-08
1521	374700	3771650	8.55E-08
1522	374750	3771650	8.23E-08
1523	374800	3771650	7.46E-08
1524	374850	3771650	6.61E-08
1525	374900	3771650	5.87E-08
1526	374950	3771650	5.32E-08
1527	375000	3771650	4.96E-08
1528	375050	3771650	4.68E-08
1529	375100	3771650	4.46E-08
1530	375150	3771650	4.28E-08
1531	375200	3771650	4.10E-08
1532	375250	3771650	3.91E-08
1533	375300	3771650	3.73E-08
1534	375350	3771650	3.55E-08
1535	375400	3771650	3.36E-08
1536	373900	3771700	1.41E-08
1537	373950	3771700	1.50E-08
1538	374000	3771700	1.60E-08
1539	374050	3771700	1.71E-08
1540	374100	3771700	1.84E-08
1541	374150	3771700	1.97E-08
1542	374200	3771700	2.05E-08
1543	374250	3771700	2.18E-08
1544	374300	3771700	2.28E-08
1545	374350	3771700	2.51E-08
1546	374400	3771700	2.82E-08
1547	374450	3771700	3.29E-08
1548	374500	3771700	4.01E-08
1549	374550	3771700	4.91E-08
1550	374600	3771700	5.97E-08
1551	374650	3771700	6.99E-08
1552	374700	3771700	7.24E-08
1553	374750	3771700	7.08E-08
1554	374800	3771700	6.46E-08
1555	374850	3771700	5.80E-08
1556	374900	3771700	5.15E-08
1557	374950	3771700	4.68E-08
1558	375000	3771700	4.31E-08
1559	375050	3771700	4.07E-08
1560	375100	3771700	3.83E-08
1561	375150	3771700	3.70E-08
1562	375200	3771700	3.52E-08
1563	375250	3771700	3.40E-08
1564	375300	3771700	3.28E-08
1565	375350	3771700	3.15E-08
1566	375400	3771700	3.00E-08
1567	373900	3771750	1.35E-08
1568	373950	3771750	1.43E-08
1569	374000	3771750	1.52E-08
1570	374050	3771750	1.63E-08
1571	374100	3771750	1.72E-08
1572	374150	3771750	1.81E-08
1573	374200	3771750	1.89E-08
1574	374250	3771750	1.94E-08
1575	374300	3771750	2.07E-08
1576	374350	3771750	2.27E-08
1577	374400	3771750	2.56E-08
1578	374450	3771750	2.99E-08
1579	374500	3771750	3.55E-08
1580	374550	3771750	4.24E-08
1581	374600	3771750	5.10E-08
1582	374650	3771750	5.90E-08
1583	374700	3771750	6.24E-08
1584	374750	3771750	6.16E-08
1585	374800	3771750	5.69E-08
1586	374850	3771750	5.17E-08
1587	374900	3771750	4.62E-08
1588	374950	3771750	4.18E-08
1589	375000	3771750	3.84E-08
1590	375050	3771750	3.61E-08
1591	375100	3771750	3.39E-08
1592	375150	3771750	3.27E-08
1593	375200	3771750	3.10E-08
1594	375250	3771750	2.99E-08
1595	375300	3771750	2.88E-08
1596	375350	3771750	2.80E-08
1597	375400	3771750	2.71E-08
1598	373900	3771800	1.29E-08
1599	373950	3771800	1.37E-08
1600	374000	3771800	1.46E-08
1601	374050	3771800	1.55E-08
1602	374100	3771800	1.62E-08

No.	X	Y	Risk
1514	374350	3771650	1.15E-07
1515	374400	3771650	1.29E-07
1516	374450	3771650	1.51E-07
1517	374500	3771650	1.88E-07
1518	374550	3771650	2.35E-07
1519	374600	3771650	2.94E-07
1520	374650	3771650	3.43E-07
1521	374700	3771650	3.53E-07
1522	374750	3771650	3.40E-07
1523	374800	3771650	3.08E-07
1524	374850	3771650	2.73E-07
1525	374900	3771650	2.42E-07
1526	374950	3771650	2.20E-07
1527	375000	3771650	2.05E-07
1528	375050	3771650	1.93E-07
1529	375100	3771650	1.84E-07
1530	375150	3771650	1.77E-07
1531	375200	3771650	1.69E-07
1532	375250	3771650	1.62E-07
1533	375300	3771650	1.54E-07
1534	375350	3771650	1.47E-07
1535	375400	3771650	1.39E-07
1536	373900	3771700	5.82E-08
1537	373950	3771700	6.19E-08
1538	374000	3771700	6.61E-08
1539	374050	3771700	7.08E-08
1540	374100	3771700	7.60E-08
1541	374150	3771700	8.13E-08
1542	374200	3771700	8.48E-08
1543	374250	3771700	9.03E-08
1544	374300	3771700	9.41E-08
1545	374350	3771700	1.03E-07
1546	374400	3771700	1.16E-07
1547	374450	3771700	1.36E-07
1548	374500	3771700	1.65E-07
1549	374550	3771700	2.03E-07
1550	374600	3771700	2.46E-07
1551	374650	3771700	2.89E-07
1552	374700	3771700	2.99E-07
1553	374750	3771700	2.93E-07
1554	374800	3771700	2.67E-07
1555	374850	3771700	2.40E-07
1556	374900	3771700	2.13E-07
1557	374950	3771700	1.93E-07
1558	375000	3771700	1.78E-07
1559	375050	3771700	1.68E-07
1560	375100	3771700	1.58E-07
1561	375150	3771700	1.53E-07
1562	375200	3771700	1.45E-07
1563	375250	3771700	1.41E-07
1564	375300	3771700	1.36E-07
1565	375350	3771700	1.30E-07
1566	375400	3771700	1.24E-07
1567	373900	3771750	5.57E-08
1568	373950	3771750	5.92E-08
1569	374000	3771750	6.31E-08
1570	374050	3771750	6.73E-08
1571	374100	3771750	7.11E-08
1572	374150	3771750	7.46E-08
1573	374200	3771750	7.80E-08
1574	374250	3771750	8.01E-08
1575	374300	3771750	8.57E-08
1576	374350	3771750	9.38E-08
1577	374400	3771750	1.06E-07
1578	374450	3771750	1.24E-07
1579	374500	3771750	1.46E-07
1580	374550	3771750	1.75E-07
1581	374600	3771750	2.11E-07
1582	374650	3771750	2.44E-07
1583	374700	3771750	2.58E-07
1584	374750	3771750	2.54E-07
1585	374800	3771750	2.35E-07
1586	374850	3771750	2.14E-07
1587	374900	3771750	1.91E-07
1588	374950	3771750	1.73E-07
1589	375000	3771750	1.59E-07
1590	375050	3771750	1.49E-07
1591	375100	3771750	1.40E-07
1592	375150	3771750	1.35E-07
1593	375200	3771750	1.28E-07
1594	375250	3771750	1.24E-07
1595	375300	3771750	1.19E-07
1596	375350	3771750	1.16E-07
1597	375400	3771750	1.12E-07
1598	373900	3771800	5.35E-08
1599	373950	3771800	5.68E-08
1600	374000	3771800	6.02E-08
1601	374050	3771800	6.41E-08
1602	374100	3771800	6.72E-08

Television City

Cancer Risk by Receptor - Existing Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
1603	374150	3771800	2.39E-07
1604	374200	3771800	2.47E-07
1605	374250	3771800	2.57E-07
1606	374300	3771800	2.74E-07
1607	374350	3771800	2.99E-07
1608	374400	3771800	3.37E-07
1609	374450	3771800	3.89E-07
1610	374500	3771800	4.55E-07
1611	374550	3771800	5.30E-07
1612	374600	3771800	6.23E-07
1613	374650	3771800	7.19E-07
1614	374700	3771800	7.70E-07
1615	374750	3771800	7.69E-07
1616	374800	3771800	7.22E-07
1617	374850	3771800	6.64E-07
1618	374900	3771800	5.95E-07
1619	374950	3771800	5.41E-07
1620	375000	3771800	4.93E-07
1621	375050	3771800	4.66E-07
1622	375100	3771800	4.36E-07
1623	375150	3771800	4.20E-07
1624	375200	3771800	3.96E-07
1625	375250	3771800	3.81E-07
1626	375300	3771800	3.67E-07
1627	375350	3771800	3.56E-07
1628	375400	3771800	3.46E-07
1629	373900	3771850	1.78E-07
1630	373950	3771850	1.88E-07
1631	374000	3771850	1.99E-07
1632	374050	3771850	2.10E-07
1633	374100	3771850	2.20E-07
1634	374150	3771850	2.24E-07
1635	374200	3771850	2.26E-07
1636	374250	3771850	2.44E-07
1637	374300	3771850	2.54E-07
1638	374350	3771850	2.76E-07
1639	374400	3771850	3.11E-07
1640	374450	3771850	3.55E-07
1641	374500	3771850	4.07E-07
1642	374550	3771850	4.66E-07
1643	374600	3771850	5.37E-07
1644	374650	3771850	6.15E-07
1645	374700	3771850	6.67E-07
1646	374750	3771850	6.72E-07
1647	374800	3771850	6.39E-07
1648	374850	3771850	5.98E-07
1649	374900	3771850	5.43E-07
1650	374950	3771850	4.95E-07
1651	375000	3771850	4.53E-07
1652	375050	3771850	4.25E-07
1653	375100	3771850	3.99E-07
1654	375150	3771850	3.83E-07
1655	375200	3771850	3.61E-07
1656	375250	3771850	3.45E-07
1657	375300	3771850	3.31E-07
1658	375350	3771850	3.20E-07
1659	375400	3771850	3.11E-07
1660	373900	3771900	1.71E-07
1661	373950	3771900	1.80E-07
1662	374000	3771900	1.90E-07
1663	374050	3771900	1.98E-07
1664	374100	3771900	2.06E-07
1665	374150	3771900	2.13E-07
1666	374200	3771900	2.17E-07
1667	374250	3771900	2.33E-07
1668	374300	3771900	2.42E-07
1669	374350	3771900	2.60E-07
1670	374400	3771900	2.86E-07
1671	374450	3771900	3.22E-07
1672	374500	3771900	3.64E-07
1673	374550	3771900	4.13E-07
1674	374600	3771900	4.66E-07
1675	374650	3771900	5.31E-07
1676	374700	3771900	5.76E-07
1677	374750	3771900	5.91E-07
1678	374800	3771900	5.69E-07
1679	374850	3771900	5.39E-07
1680	374900	3771900	4.97E-07
1681	374950	3771900	4.55E-07
1682	375000	3771900	4.19E-07
1683	375050	3771900	3.91E-07
1684	375100	3771900	3.68E-07
1685	375150	3771900	3.54E-07
1686	375200	3771900	3.29E-07
1687	375250	3771900	3.16E-07
1688	375300	3771900	3.02E-07
1689	375350	3771900	2.92E-07
1690	375400	3771900	2.82E-07
1691	373900	3771950	1.65E-07

No.	X	Y	Risk
1603	374150	3771800	1.67E-08
1604	374200	3771800	1.72E-08
1605	374250	3771800	1.80E-08
1606	374300	3771800	1.91E-08
1607	374350	3771800	2.09E-08
1608	374400	3771800	2.36E-08
1609	374450	3771800	2.72E-08
1610	374500	3771800	3.18E-08
1611	374550	3771800	3.71E-08
1612	374600	3771800	4.35E-08
1613	374650	3771800	5.02E-08
1614	374700	3771800	5.38E-08
1615	374750	3771800	5.38E-08
1616	374800	3771800	5.05E-08
1617	374850	3771800	4.64E-08
1618	374900	3771800	4.16E-08
1619	374950	3771800	3.78E-08
1620	375000	3771800	3.45E-08
1621	375050	3771800	3.26E-08
1622	375100	3771800	3.04E-08
1623	375150	3771800	2.93E-08
1624	375200	3771800	2.77E-08
1625	375250	3771800	2.66E-08
1626	375300	3771800	2.57E-08
1627	375350	3771800	2.49E-08
1628	375400	3771800	2.42E-08
1629	373900	3771850	1.24E-08
1630	373950	3771850	1.31E-08
1631	374000	3771850	1.39E-08
1632	374050	3771850	1.47E-08
1633	374100	3771850	1.54E-08
1634	374150	3771850	1.56E-08
1635	374200	3771850	1.58E-08
1636	374250	3771850	1.70E-08
1637	374300	3771850	1.78E-08
1638	374350	3771850	1.93E-08
1639	374400	3771850	2.18E-08
1640	374450	3771850	2.48E-08
1641	374500	3771850	2.84E-08
1642	374550	3771850	3.26E-08
1643	374600	3771850	3.75E-08
1644	374650	3771850	4.30E-08
1645	374700	3771850	4.66E-08
1646	374750	3771850	4.70E-08
1647	374800	3771850	4.47E-08
1648	374850	3771850	4.18E-08
1649	374900	3771850	3.79E-08
1650	374950	3771850	3.46E-08
1651	375000	3771850	3.17E-08
1652	375050	3771850	2.97E-08
1653	375100	3771850	2.79E-08
1654	375150	3771850	2.68E-08
1655	375200	3771850	2.52E-08
1656	375250	3771850	2.41E-08
1657	375300	3771850	2.31E-08
1658	375350	3771850	2.24E-08
1659	375400	3771850	2.18E-08
1660	373900	3771900	1.20E-08
1661	373950	3771900	1.26E-08
1662	374000	3771900	1.33E-08
1663	374050	3771900	1.39E-08
1664	374100	3771900	1.44E-08
1665	374150	3771900	1.49E-08
1666	374200	3771900	1.52E-08
1667	374250	3771900	1.63E-08
1668	374300	3771900	1.69E-08
1669	374350	3771900	1.82E-08
1670	374400	3771900	2.00E-08
1671	374450	3771900	2.25E-08
1672	374500	3771900	2.55E-08
1673	374550	3771900	2.89E-08
1674	374600	3771900	3.25E-08
1675	374650	3771900	3.71E-08
1676	374700	3771900	4.03E-08
1677	374750	3771900	4.13E-08
1678	374800	3771900	3.98E-08
1679	374850	3771900	3.77E-08
1680	374900	3771900	3.47E-08
1681	374950	3771900	3.18E-08
1682	375000	3771900	2.93E-08
1683	375050	3771900	2.73E-08
1684	375100	3771900	2.57E-08
1685	375150	3771900	2.47E-08
1686	375200	3771900	2.30E-08
1687	375250	3771900	2.21E-08
1688	375300	3771900	2.11E-08
1689	375350	3771900	2.04E-08
1690	375400	3771900	1.97E-08
1691	373900	3771950	1.15E-08

No.	X	Y	Risk
1603	374150	3771800	6.92E-08
1604	374200	3771800	7.12E-08
1605	374250	3771800	7.42E-08
1606	374300	3771800	7.91E-08
1607	374350	3771800	8.64E-08
1608	374400	3771800	9.73E-08
1609	374450	3771800	1.12E-07
1610	374500	3771800	1.31E-07
1611	374550	3771800	1.53E-07
1612	374600	3771800	1.80E-07
1613	374650	3771800	2.08E-07
1614	374700	3771800	2.22E-07
1615	374750	3771800	2.22E-07
1616	374800	3771800	2.09E-07
1617	374850	3771800	1.92E-07
1618	374900	3771800	1.72E-07
1619	374950	3771800	1.56E-07
1620	375000	3771800	1.42E-07
1621	375050	3771800	1.35E-07
1622	375100	3771800	1.26E-07
1623	375150	3771800	1.21E-07
1624	375200	3771800	1.15E-07
1625	375250	3771800	1.10E-07
1626	375300	3771800	1.06E-07
1627	375350	3771800	1.03E-07
1628	375400	3771800	1.00E-07
1629	373900	3771850	5.14E-08
1630	373950	3771850	5.44E-08
1631	374000	3771850	5.76E-08
1632	374050	3771850	6.08E-08
1633	374100	3771850	6.35E-08
1634	374150	3771850	6.47E-08
1635	374200	3771850	6.52E-08
1636	374250	3771850	7.04E-08
1637	374300	3771850	7.35E-08
1638	374350	3771850	7.97E-08
1639	374400	3771850	8.99E-08
1640	374450	3771850	1.02E-07
1641	374500	3771850	1.18E-07
1642	374550	3771850	1.35E-07
1643	374600	3771850	1.55E-07
1644	374650	3771850	1.78E-07
1645	374700	3771850	1.93E-07
1646	374750	3771850	1.94E-07
1647	374800	3771850	1.85E-07
1648	374850	3771850	1.73E-07
1649	374900	3771850	1.57E-07
1650	374950	3771850	1.43E-07
1651	375000	3771850	1.31E-07
1652	375050	3771850	1.23E-07
1653	375100	3771850	1.15E-07
1654	375150	3771850	1.11E-07
1655	375200	3771850	1.04E-07
1656	375250	3771850	9.98E-08
1657	375300	3771850	9.56E-08
1658	375350	3771850	9.27E-08
1659	375400	3771850	9.00E-08
1660	373900	3771900	4.95E-08
1661	373950	3771900	5.22E-08
1662	374000	3771900	5.49E-08
1663	374050	3771900	5.73E-08
1664	374100	3771900	5.96E-08
1665	374150	3771900	6.17E-08
1666	374200	3771900	6.29E-08
1667	374250	3771900	6.72E-08
1668	374300	3771900	6.98E-08
1669	374350	3771900	7.51E-08
1670	374400	3771900	8.27E-08
1671	374450	3771900	9.29E-08
1672	374500	3771900	1.05E-07
1673	374550	3771900	1.19E-07
1674	374600	3771900	1.35E-07
1675	374650	3771900	1.54E-07
1676	374700	3771900	1.67E-07
1677	374750	3771900	1.71E-07
1678	374800	3771900	1.65E-07
1679	374850	3771900	1.56E-07
1680	374900	3771900	1.44E-07
1681	374950	3771900	1.32E-07
1682	375000	3771900	1.21E-07
1683	375050	3771900	1.13E-07
1684	375100	3771900	1.06E-07
1685	375150	3771900	1.02E-07
1686	375200	3771900	9.51E-08
1687	375250	3771900	9.13E-08
1688	375300	3771900	8.72E-08
1689	375350	3771900	8.44E-08
1690	375400	3771900	8.15E-08
1691	373900	3771950	4.76E-08

Television City

Cancer Risk by Receptor - Existing Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
1692	373950	3771950	1.72E-07
1693	374000	3771950	1.77E-07
1694	374050	3771950	1.85E-07
1695	374100	3771950	1.93E-07
1696	374150	3771950	2.00E-07
1697	374200	3771950	2.05E-07
1698	374250	3771950	2.11E-07
1699	374300	3771950	2.27E-07
1700	374350	3771950	2.45E-07
1701	374400	3771950	2.69E-07
1702	374450	3771950	2.98E-07
1703	374500	3771950	3.33E-07
1704	374550	3771950	3.71E-07
1705	374600	3771950	4.12E-07
1706	374650	3771950	4.63E-07
1707	374700	3771950	5.03E-07
1708	374750	3771950	5.21E-07
1709	374800	3771950	5.09E-07
1710	374850	3771950	4.86E-07
1711	374900	3771950	4.57E-07
1712	374950	3771950	4.21E-07
1713	375000	3771950	3.89E-07
1714	375050	3771950	3.65E-07
1715	375100	3771950	3.41E-07
1716	375150	3771950	3.27E-07
1717	375200	3771950	3.07E-07
1718	375250	3771950	2.93E-07
1719	375300	3771950	2.80E-07
1720	375350	3771950	2.68E-07
1721	375400	3771950	2.59E-07
1722	373900	3772000	1.57E-07
1723	373950	3772000	1.62E-07
1724	374000	3772000	1.67E-07
1725	374050	3772000	1.73E-07
1726	374100	3772000	1.79E-07
1727	374150	3772000	1.86E-07
1728	374200	3772000	1.96E-07
1729	374250	3772000	2.04E-07
1730	374300	3772000	2.16E-07
1731	374350	3772000	2.33E-07
1732	374400	3772000	2.55E-07
1733	374450	3772000	2.79E-07
1734	374500	3772000	3.09E-07
1735	374550	3772000	3.38E-07
1736	374600	3772000	3.70E-07
1737	374650	3772000	4.07E-07
1738	374700	3772000	4.40E-07
1739	374750	3772000	4.61E-07
1740	374800	3772000	4.58E-07
1741	374850	3772000	4.42E-07
1742	374900	3772000	4.18E-07
1743	374950	3772000	3.91E-07
1744	375000	3772000	3.63E-07
1745	375050	3772000	3.42E-07
1746	375100	3772000	3.19E-07
1747	375150	3772000	3.04E-07
1748	375200	3772000	2.87E-07
1749	375250	3772000	2.73E-07
1750	375300	3772000	2.60E-07
1751	375350	3772000	2.49E-07
1752	375400	3772000	2.39E-07

No.	X	Y	Risk
1692	373950	3771950	1.21E-08
1693	374000	3771950	1.24E-08
1694	374050	3771950	1.29E-08
1695	374100	3771950	1.35E-08
1696	374150	3771950	1.40E-08
1697	374200	3771950	1.43E-08
1698	374250	3771950	1.48E-08
1699	374300	3771950	1.59E-08
1700	374350	3771950	1.72E-08
1701	374400	3771950	1.88E-08
1702	374450	3771950	2.08E-08
1703	374500	3771950	2.33E-08
1704	374550	3771950	2.59E-08
1705	374600	3771950	2.88E-08
1706	374650	3771950	3.23E-08
1707	374700	3771950	3.52E-08
1708	374750	3771950	3.64E-08
1709	374800	3771950	3.56E-08
1710	374850	3771950	3.40E-08
1711	374900	3771950	3.19E-08
1712	374950	3771950	2.95E-08
1713	375000	3771950	2.72E-08
1714	375050	3771950	2.55E-08
1715	375100	3771950	2.39E-08
1716	375150	3771950	2.28E-08
1717	375200	3771950	2.15E-08
1718	375250	3771950	2.05E-08
1719	375300	3771950	1.96E-08
1720	375350	3771950	1.87E-08
1721	375400	3771950	1.81E-08
1722	373900	3772000	1.10E-08
1723	373950	3772000	1.13E-08
1724	374000	3772000	1.17E-08
1725	374050	3772000	1.21E-08
1726	374100	3772000	1.25E-08
1727	374150	3772000	1.30E-08
1728	374200	3772000	1.37E-08
1729	374250	3772000	1.43E-08
1730	374300	3772000	1.51E-08
1731	374350	3772000	1.63E-08
1732	374400	3772000	1.78E-08
1733	374450	3772000	1.95E-08
1734	374500	3772000	2.16E-08
1735	374550	3772000	2.37E-08
1736	374600	3772000	2.59E-08
1737	374650	3772000	2.84E-08
1738	374700	3772000	3.08E-08
1739	374750	3772000	3.22E-08
1740	374800	3772000	3.20E-08
1741	374850	3772000	3.09E-08
1742	374900	3772000	2.92E-08
1743	374950	3772000	2.74E-08
1744	375000	3772000	2.54E-08
1745	375050	3772000	2.39E-08
1746	375100	3772000	2.23E-08
1747	375150	3772000	2.13E-08
1748	375200	3772000	2.01E-08
1749	375250	3772000	1.91E-08
1750	375300	3772000	1.82E-08
1751	375350	3772000	1.74E-08
1752	375400	3772000	1.67E-08

No.	X	Y	Risk
1692	373950	3771950	4.99E-08
1693	374000	3771950	5.13E-08
1694	374050	3771950	5.35E-08
1695	374100	3771950	5.59E-08
1696	374150	3771950	5.78E-08
1697	374200	3771950	5.93E-08
1698	374250	3771950	6.11E-08
1699	374300	3771950	6.56E-08
1700	374350	3771950	7.09E-08
1701	374400	3771950	7.76E-08
1702	374450	3771950	8.61E-08
1703	374500	3771950	9.62E-08
1704	374550	3771950	1.07E-07
1705	374600	3771950	1.19E-07
1706	374650	3771950	1.34E-07
1707	374700	3771950	1.45E-07
1708	374750	3771950	1.51E-07
1709	374800	3771950	1.47E-07
1710	374850	3771950	1.41E-07
1711	374900	3771950	1.32E-07
1712	374950	3771950	1.22E-07
1713	375000	3771950	1.13E-07
1714	375050	3771950	1.05E-07
1715	375100	3771950	9.87E-08
1716	375150	3771950	9.44E-08
1717	375200	3771950	8.87E-08
1718	375250	3771950	8.48E-08
1719	375300	3771950	8.09E-08
1720	375350	3771950	7.75E-08
1721	375400	3771950	7.50E-08
1722	373900	3772000	4.53E-08
1723	373950	3772000	4.68E-08
1724	374000	3772000	4.82E-08
1725	374050	3772000	5.00E-08
1726	374100	3772000	5.18E-08
1727	374150	3772000	5.39E-08
1728	374200	3772000	5.66E-08
1729	374250	3772000	5.90E-08
1730	374300	3772000	6.24E-08
1731	374350	3772000	6.73E-08
1732	374400	3772000	7.36E-08
1733	374450	3772000	8.07E-08
1734	374500	3772000	8.93E-08
1735	374550	3772000	9.78E-08
1736	374600	3772000	1.07E-07
1737	374650	3772000	1.18E-07
1738	374700	3772000	1.27E-07
1739	374750	3772000	1.33E-07
1740	374800	3772000	1.32E-07
1741	374850	3772000	1.28E-07
1742	374900	3772000	1.21E-07
1743	374950	3772000	1.13E-07
1744	375000	3772000	1.05E-07
1745	375050	3772000	9.88E-08
1746	375100	3772000	9.23E-08
1747	375150	3772000	8.79E-08
1748	375200	3772000	8.30E-08
1749	375250	3772000	7.89E-08
1750	375300	3772000	7.52E-08
1751	375350	3772000	7.19E-08
1752	375400	3772000	6.91E-08

Television City

Cancer Risk by Receptor - Project Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk		No.	X	Y	Risk		No.	X	Y	Risk	
1	374290	3771020	1.74E-07	Resident - 30 year	1	374290	3771020	1.21E-08	Worker - 25 year	1	374290	3771020	4.96E-08	Student - 7 year
2	374310	3771020	1.89E-07	Max	2	374310	3771020	1.31E-08	Max	2	374310	3771020	5.37E-08	Max
3	374330	3771020	2.03E-07	7.41E-06	3	374330	3771020	1.41E-08	5.16E-07	3	374330	3771020	5.77E-08	2.10E-06
4	374350	3771020	2.18E-07		4	374350	3771020	1.52E-08		4	374350	3771020	6.22E-08	
5	374370	3771020	2.33E-07		5	374370	3771020	1.63E-08		5	374370	3771020	6.65E-08	
6	374290	3771040	1.81E-07		6	374290	3771040	1.26E-08		6	374290	3771040	5.15E-08	
7	374310	3771040	1.96E-07		7	374310	3771040	1.37E-08		7	374310	3771040	5.59E-08	
8	374330	3771040	2.13E-07		8	374330	3771040	1.49E-08		8	374330	3771040	6.08E-08	
9	374350	3771040	2.30E-07		9	374350	3771040	1.60E-08		9	374350	3771040	6.54E-08	
10	374370	3771040	2.48E-07		10	374370	3771040	1.73E-08		10	374370	3771040	7.05E-08	
11	374290	3771060	1.88E-07		11	374290	3771060	1.31E-08		11	374290	3771060	5.35E-08	
12	374310	3771060	2.07E-07		12	374310	3771060	1.44E-08		12	374310	3771060	5.89E-08	
13	374330	3771060	2.26E-07		13	374330	3771060	1.57E-08		13	374330	3771060	6.42E-08	
14	374350	3771060	2.46E-07		14	374350	3771060	1.71E-08		14	374350	3771060	7.00E-08	
15	374370	3771060	2.67E-07		15	374370	3771060	1.86E-08		15	374370	3771060	7.60E-08	
16	374290	3771080	1.96E-07		16	374290	3771080	1.36E-08		16	374290	3771080	5.57E-08	
17	374310	3771080	2.18E-07		17	374310	3771080	1.52E-08		17	374310	3771080	6.21E-08	
18	374330	3771080	2.41E-07		18	374330	3771080	1.68E-08		18	374330	3771080	6.86E-08	
19	374350	3771080	2.65E-07		19	374350	3771080	1.85E-08		19	374350	3771080	7.55E-08	
20	374370	3771080	2.92E-07		20	374370	3771080	2.03E-08		20	374370	3771080	8.30E-08	
21	374290	3771100	2.05E-07		21	374290	3771100	1.43E-08		21	374290	3771100	5.84E-08	
22	374310	3771100	2.31E-07		22	374310	3771100	1.61E-08		22	374310	3771100	6.58E-08	
23	374330	3771100	2.60E-07		23	374330	3771100	1.81E-08		23	374330	3771100	7.41E-08	
24	374350	3771100	2.93E-07		24	374350	3771100	2.04E-08		24	374350	3771100	8.33E-08	
25	374370	3771100	3.25E-07		25	374370	3771100	2.26E-08		25	374370	3771100	9.24E-08	
26	374290	3771120	2.14E-07		26	374290	3771120	1.49E-08		26	374290	3771120	6.07E-08	
27	374310	3771120	2.44E-07		27	374310	3771120	1.70E-08		27	374310	3771120	6.93E-08	
28	374330	3771120	2.81E-07		28	374330	3771120	1.96E-08		28	374330	3771120	7.98E-08	
29	374350	3771120	3.22E-07		29	374350	3771120	2.24E-08		29	374350	3771120	9.16E-08	
30	374370	3771120	3.65E-07		30	374370	3771120	2.54E-08		30	374370	3771120	1.04E-07	
31	374290	3771140	2.21E-07		31	374290	3771140	1.54E-08		31	374290	3771140	6.27E-08	
32	374310	3771140	2.55E-07		32	374310	3771140	1.77E-08		32	374310	3771140	7.24E-08	
33	374330	3771140	2.98E-07		33	374330	3771140	2.07E-08		33	374330	3771140	8.46E-08	
34	374350	3771140	3.51E-07		34	374350	3771140	2.44E-08		34	374350	3771140	9.97E-08	
35	374370	3771140	4.12E-07		35	374370	3771140	2.87E-08		35	374370	3771140	1.17E-07	
36	374290	3771160	2.25E-07		36	374290	3771160	1.56E-08		36	374290	3771160	6.38E-08	
37	374310	3771160	2.62E-07		37	374310	3771160	1.82E-08		37	374310	3771160	7.44E-08	
38	374330	3771160	3.11E-07		38	374330	3771160	2.17E-08		38	374330	3771160	8.83E-08	
39	374350	3771160	3.75E-07		39	374350	3771160	2.61E-08		39	374350	3771160	1.07E-07	
40	374370	3771160	4.59E-07		40	374370	3771160	3.20E-08		40	374370	3771160	1.30E-07	
41	374290	3771180	2.25E-07		41	374290	3771180	1.56E-08		41	374290	3771180	6.37E-08	
42	374310	3771180	2.63E-07		42	374310	3771180	1.83E-08		42	374310	3771180	7.46E-08	
43	374330	3771180	3.13E-07		43	374330	3771180	2.18E-08		43	374330	3771180	8.89E-08	
44	374350	3771180	3.85E-07		44	374350	3771180	2.68E-08		44	374350	3771180	1.09E-07	
45	374370	3771180	4.97E-07		45	374370	3771180	3.46E-08		45	374370	3771180	1.41E-07	
46	374290	3771200	2.22E-07		46	374290	3771200	1.54E-08		46	374290	3771200	6.29E-08	
47	374310	3771200	2.58E-07		47	374310	3771200	1.80E-08		47	374310	3771200	7.31E-08	
48	374330	3771200	3.06E-07		48	374330	3771200	2.13E-08		48	374330	3771200	8.67E-08	
49	374350	3771200	3.72E-07		49	374350	3771200	2.59E-08		49	374350	3771200	1.05E-07	
50	374370	3771200	4.87E-07		50	374370	3771200	3.38E-08		50	374370	3771200	1.37E-07	
51	374290	3771220	2.16E-07		51	374290	3771220	1.50E-08		51	374290	3771220	6.10E-08	
52	374310	3771220	2.48E-07		52	374310	3771220	1.72E-08		52	374310	3771220	7.01E-08	
53	374330	3771220	2.86E-07		53	374330	3771220	1.99E-08		53	374330	3771220	8.09E-08	
54	374350	3771220	3.40E-07		54	374350	3771220	2.37E-08		54	374350	3771220	9.61E-08	
55	374370	3771220	4.26E-07		55	374370	3771220	2.96E-08		55	374370	3771220	1.20E-07	
56	374290	3771240	2.10E-07		56	374290	3771240	1.46E-08		56	374290	3771240	5.93E-08	
57	374310	3771240	2.40E-07		57	374310	3771240	1.67E-08		57	374310	3771240	6.79E-08	
58	374330	3771240	2.77E-07		58	374330	3771240	1.93E-08		58	374330	3771240	7.83E-08	
59	374350	3771240	3.21E-07		59	374350	3771240	2.23E-08		59	374350	3771240	9.05E-08	
60	374370	3771240	3.85E-07		60	374370	3771240	2.68E-08		60	374370	3771240	1.09E-07	
61	374290	3771260	2.05E-07		61	374290	3771260	1.43E-08		61	374290	3771260	5.80E-08	
62	374310	3771260	2.34E-07		62	374310	3771260	1.63E-08		62	374310	3771260	6.60E-08	
63	374330	3771260	2.69E-07		63	374330	3771260	1.87E-08		63	374330	3771260	7.58E-08	
64	374350	3771260	3.05E-07		64	374350	3771260	2.12E-08		64	374350	3771260	8.61E-08	
65	374370	3771260	3.77E-07		65	374370	3771260	2.62E-08		65	374370	3771260	1.06E-07	
66	374290	3771280	2.02E-07		66	374290	3771280	1.40E-08		66	374290	3771280	5.70E-08	
67	374310	3771280	2.31E-07		67	374310	3771280	1.60E-08		67	374310	3771280	6.51E-08	
68	374330	3771280	2.64E-07		68	374330	3771280	1.84E-08		68	374330	3771280	7.45E-08	
69	374350	3771280	3.05E-07		69	374350	3771280	2.12E-08		69	374350	3771280	8.59E-08	
70	374370	3771280	3.84E-07		70	374370	3771280	2.67E-08		70	374370	3771280	1.08E-07	
71	374290	3771300	2.00E-07		71	374290	3771300	1.39E-08		71	374290	3771300	5.63E-08	
72	374310	3771300	2.28E-07		72	374310	3771300	1.59E-08		72	374310	3771300	6.43E-08	
73	374330	3771300	2.65E-07		73	374330	3771300	1.85E-08		73	374330	3771300	7.48E-08	
74	374350	3771300	3.12E-07		74	374350	3771300	2.17E-08		74	374350	3771300	8.80E-08	
75	374370	3771300	3.96E-07		75	374370	3771300	2.75E-08		75	374370	3771300	1.12E-07	
76	374290	3771320	1.98E-07		76	374290	3771320	1.38E-08		76	374290	3771320	5.58E-08	
77	374310	3771320	2.29E-07		77	374310	3771320	1.59E-08		77	374310	3771320	6.46E-08	
78	374330	3771320	2.68E-07		78	374330	3771320	1.86E-08		78	374330	3771320	7.56E-08	
79	374350	3771320	3.27E-07		79	374350	3771320	2.27E-08		79	374350	3771320	9.23E-08	

Television City

Cancer Risk by Receptor - Project Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
80	374370	3771320	4.11E-07
81	374290	3771340	1.96E-07
82	374310	3771340	2.29E-07
83	374330	3771340	2.71E-07
84	374350	3771340	3.33E-07
85	374370	3771340	4.23E-07
86	374290	3771360	1.92E-07
87	374310	3771360	2.26E-07
88	374330	3771360	2.70E-07
89	374350	3771360	3.31E-07
90	374370	3771360	4.14E-07
91	374290	3771380	1.86E-07
92	374310	3771380	2.20E-07
93	374330	3771380	2.65E-07
94	374350	3771380	3.22E-07
95	374370	3771380	3.95E-07
96	374290	3771400	1.81E-07
97	374310	3771400	2.13E-07
98	374330	3771400	2.57E-07
99	374350	3771400	3.12E-07
100	374370	3771400	3.78E-07
101	374290	3771420	1.76E-07
102	374310	3771420	2.05E-07
103	374330	3771420	2.44E-07
104	374350	3771420	2.98E-07
105	374370	3771420	3.62E-07
106	374290	3771440	1.72E-07
107	374310	3771440	1.99E-07
108	374330	3771440	2.34E-07
109	374350	3771440	2.80E-07
110	374370	3771440	3.38E-07
111	374390	3771440	4.15E-07
112	374410	3771440	5.25E-07
113	374430	3771440	6.36E-07
114	374450	3771440	7.28E-07
115	374470	3771440	8.09E-07
116	374490	3771440	8.58E-07
117	374510	3771440	8.62E-07
118	374530	3771440	8.69E-07
119	374550	3771440	8.73E-07
120	374570	3771440	8.84E-07
121	374590	3771440	8.73E-07
122	374610	3771440	8.62E-07
123	374630	3771440	8.83E-07
124	374650	3771440	9.38E-07
125	374670	3771440	9.57E-07
126	374690	3771440	9.36E-07
127	374710	3771440	9.96E-07
128	374730	3771440	1.15E-06
129	374750	3771440	1.37E-06
130	374770	3771440	1.31E-06
131	374790	3771440	1.11E-06
132	374810	3771440	9.62E-07
133	374830	3771440	8.68E-07
134	374850	3771440	7.95E-07
135	374870	3771440	7.37E-07
136	374890	3771440	6.91E-07
137	374910	3771440	6.47E-07
138	374930	3771440	6.12E-07
139	374950	3771440	5.77E-07
140	374290	3771460	1.68E-07
141	374310	3771460	1.94E-07
142	374330	3771460	2.27E-07
143	374350	3771460	2.68E-07
144	374370	3771460	3.16E-07
145	374390	3771460	3.81E-07
146	374410	3771460	4.68E-07
147	374430	3771460	5.56E-07
148	374450	3771460	6.23E-07
149	374470	3771460	6.74E-07
150	374490	3771460	7.12E-07
151	374510	3771460	7.32E-07
152	374530	3771460	7.36E-07
153	374550	3771460	7.31E-07
154	374570	3771460	7.18E-07
155	374590	3771460	7.10E-07
156	374610	3771460	7.05E-07
157	374630	3771460	7.09E-07
158	374650	3771460	7.23E-07

No.	X	Y	Risk
80	374370	3771320	2.86E-08
81	374290	3771340	1.36E-08
82	374310	3771340	1.59E-08
83	374330	3771340	1.88E-08
84	374350	3771340	2.32E-08
85	374370	3771340	2.94E-08
86	374290	3771360	1.33E-08
87	374310	3771360	1.57E-08
88	374330	3771360	1.88E-08
89	374350	3771360	2.30E-08
90	374370	3771360	2.88E-08
91	374290	3771380	1.29E-08
92	374310	3771380	1.53E-08
93	374330	3771380	1.84E-08
94	374350	3771380	2.24E-08
95	374370	3771380	2.74E-08
96	374290	3771400	1.26E-08
97	374310	3771400	1.48E-08
98	374330	3771400	1.79E-08
99	374350	3771400	2.17E-08
100	374370	3771400	2.63E-08
101	374290	3771420	1.23E-08
102	374310	3771420	1.42E-08
103	374330	3771420	1.70E-08
104	374350	3771420	2.07E-08
105	374370	3771420	2.52E-08
106	374290	3771440	1.20E-08
107	374310	3771440	1.39E-08
108	374330	3771440	1.63E-08
109	374350	3771440	1.95E-08
110	374370	3771440	2.35E-08
111	374390	3771440	2.88E-08
112	374410	3771440	3.65E-08
113	374430	3771440	4.42E-08
114	374450	3771440	5.06E-08
115	374470	3771440	5.61E-08
116	374490	3771440	5.94E-08
117	374510	3771440	5.95E-08
118	374530	3771440	5.99E-08
119	374550	3771440	6.02E-08
120	374570	3771440	6.09E-08
121	374590	3771440	6.02E-08
122	374610	3771440	5.94E-08
123	374630	3771440	6.09E-08
124	374650	3771440	6.48E-08
125	374670	3771440	6.62E-08
126	374690	3771440	6.49E-08
127	374710	3771440	6.91E-08
128	374730	3771440	8.01E-08
129	374750	3771440	9.54E-08
130	374770	3771440	9.12E-08
131	374790	3771440	7.70E-08
132	374810	3771440	6.69E-08
133	374830	3771440	6.04E-08
134	374850	3771440	5.54E-08
135	374870	3771440	5.13E-08
136	374890	3771440	4.81E-08
137	374910	3771440	4.51E-08
138	374930	3771440	4.26E-08
139	374950	3771440	4.02E-08
140	374290	3771460	1.17E-08
141	374310	3771460	1.35E-08
142	374330	3771460	1.58E-08
143	374350	3771460	1.86E-08
144	374370	3771460	2.20E-08
145	374390	3771460	2.65E-08
146	374410	3771460	3.25E-08
147	374430	3771460	3.87E-08
148	374450	3771460	4.33E-08
149	374470	3771460	4.68E-08
150	374490	3771460	4.94E-08
151	374510	3771460	5.07E-08
152	374530	3771460	5.10E-08
153	374550	3771460	5.06E-08
154	374570	3771460	4.96E-08
155	374590	3771460	4.91E-08
156	374610	3771460	4.88E-08
157	374630	3771460	4.91E-08
158	374650	3771460	5.01E-08

No.	X	Y	Risk
80	374370	3771320	1.16E-07
81	374290	3771340	5.52E-08
82	374310	3771340	6.45E-08
83	374330	3771340	7.64E-08
84	374350	3771340	9.40E-08
85	374370	3771340	1.20E-07
86	374290	3771360	5.41E-08
87	374310	3771360	6.38E-08
88	374330	3771360	7.62E-08
89	374350	3771360	9.33E-08
90	374370	3771360	1.17E-07
91	374290	3771380	5.24E-08
92	374310	3771380	6.22E-08
93	374330	3771380	7.49E-08
94	374350	3771380	9.09E-08
95	374370	3771380	1.11E-07
96	374290	3771400	5.11E-08
97	374310	3771400	6.01E-08
98	374330	3771400	7.26E-08
99	374350	3771400	8.82E-08
100	374370	3771400	1.07E-07
101	374290	3771420	4.97E-08
102	374310	3771420	5.78E-08
103	374330	3771420	6.90E-08
104	374350	3771420	8.41E-08
105	374370	3771420	1.02E-07
106	374290	3771440	4.85E-08
107	374310	3771440	5.62E-08
108	374330	3771440	6.62E-08
109	374350	3771440	7.91E-08
110	374370	3771440	9.56E-08
111	374390	3771440	1.17E-07
112	374410	3771440	1.49E-07
113	374430	3771440	1.80E-07
114	374450	3771440	2.05E-07
115	374470	3771440	2.26E-07
116	374490	3771440	2.37E-07
117	374510	3771440	2.35E-07
118	374530	3771440	2.36E-07
119	374550	3771440	2.36E-07
120	374570	3771440	2.39E-07
121	374590	3771440	2.37E-07
122	374610	3771440	2.34E-07
123	374630	3771440	2.41E-07
124	374650	3771440	2.58E-07
125	374670	3771440	2.65E-07
126	374690	3771440	2.61E-07
127	374710	3771440	2.79E-07
128	374730	3771440	3.25E-07
129	374750	3771440	3.88E-07
130	374770	3771440	3.71E-07
131	374790	3771440	3.13E-07
132	374810	3771440	2.72E-07
133	374830	3771440	2.46E-07
134	374850	3771440	2.26E-07
135	374870	3771440	2.09E-07
136	374890	3771440	1.96E-07
137	374910	3771440	1.84E-07
138	374930	3771440	1.74E-07
139	374950	3771440	1.64E-07
140	374290	3771460	4.75E-08
141	374310	3771460	5.49E-08
142	374330	3771460	6.43E-08
143	374350	3771460	7.58E-08
144	374370	3771460	8.95E-08
145	374390	3771460	1.08E-07
146	374410	3771460	1.32E-07
147	374430	3771460	1.57E-07
148	374450	3771460	1.76E-07
149	374470	3771460	1.89E-07
150	374490	3771460	1.99E-07
151	374510	3771460	2.04E-07
152	374530	3771460	2.04E-07
153	374550	3771460	2.02E-07
154	374570	3771460	1.98E-07
155	374590	3771460	1.95E-07
156	374610	3771460	1.94E-07
157	374630	3771460	1.95E-07
158	374650	3771460	2.00E-07

Television City

Cancer Risk by Receptor - Project Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
159	374670	3771460	7.36E-07
160	374690	3771460	7.53E-07
161	374710	3771460	7.85E-07
162	374730	3771460	8.39E-07
163	374750	3771460	8.89E-07
164	374770	3771460	8.88E-07
165	374790	3771460	8.37E-07
166	374810	3771460	7.82E-07
167	374830	3771460	7.27E-07
168	374850	3771460	6.82E-07
169	374870	3771460	6.42E-07
170	374890	3771460	6.08E-07
171	374910	3771460	5.77E-07
172	374930	3771460	5.52E-07
173	374950	3771460	5.27E-07
174	374290	3771480	1.64E-07
175	374310	3771480	1.89E-07
176	374330	3771480	2.20E-07
177	374350	3771480	2.58E-07
178	374370	3771480	3.02E-07
179	374390	3771480	3.55E-07
180	374410	3771480	4.27E-07
181	374430	3771480	4.98E-07
182	374450	3771480	5.52E-07
183	374470	3771480	5.95E-07
184	374490	3771480	6.26E-07
185	374510	3771480	6.45E-07
186	374530	3771480	6.53E-07
187	374550	3771480	6.47E-07
188	374570	3771480	6.37E-07
189	374590	3771480	6.26E-07
190	374610	3771480	6.17E-07
191	374630	3771480	6.14E-07
192	374650	3771480	6.15E-07
193	374670	3771480	6.22E-07
194	374690	3771480	6.34E-07
195	374710	3771480	6.48E-07
196	374730	3771480	6.70E-07
197	374750	3771480	6.86E-07
198	374770	3771480	6.83E-07
199	374790	3771480	6.70E-07
200	374810	3771480	6.47E-07
201	374830	3771480	6.18E-07
202	374850	3771480	5.91E-07
203	374870	3771480	5.66E-07
204	374890	3771480	5.40E-07
205	374910	3771480	5.13E-07
206	374930	3771480	4.93E-07
207	374950	3771480	4.73E-07
208	374290	3771500	1.60E-07
209	374310	3771500	1.84E-07
210	374330	3771500	2.14E-07
211	374350	3771500	2.48E-07
212	374370	3771500	2.89E-07
213	374390	3771500	3.37E-07
214	374410	3771500	4.02E-07
215	374430	3771500	4.63E-07
216	374450	3771500	5.14E-07
217	374470	3771500	5.53E-07
218	374490	3771500	5.81E-07
219	374510	3771500	5.98E-07
220	374530	3771500	6.03E-07
221	374550	3771500	5.98E-07
222	374570	3771500	5.86E-07
223	374590	3771500	5.73E-07
224	374610	3771500	5.60E-07
225	374630	3771500	5.51E-07
226	374650	3771500	5.49E-07
227	374670	3771500	5.47E-07
228	374690	3771500	5.47E-07
229	374710	3771500	5.53E-07
230	374730	3771500	5.61E-07
231	374750	3771500	5.70E-07
232	374770	3771500	5.69E-07
233	374790	3771500	5.60E-07
234	374810	3771500	5.48E-07
235	374830	3771500	5.33E-07
236	374850	3771500	5.15E-07
237	374870	3771500	4.97E-07

No.	X	Y	Risk
159	374670	3771460	5.10E-08
160	374690	3771460	5.23E-08
161	374710	3771460	5.45E-08
162	374730	3771460	5.83E-08
163	374750	3771460	6.18E-08
164	374770	3771460	6.18E-08
165	374790	3771460	5.82E-08
166	374810	3771460	5.44E-08
167	374830	3771460	5.06E-08
168	374850	3771460	4.74E-08
169	374870	3771460	4.47E-08
170	374890	3771460	4.23E-08
171	374910	3771460	4.02E-08
172	374930	3771460	3.85E-08
173	374950	3771460	3.67E-08
174	374290	3771480	1.14E-08
175	374310	3771480	1.32E-08
176	374330	3771480	1.53E-08
177	374350	3771480	1.80E-08
178	374370	3771480	2.10E-08
179	374390	3771480	2.47E-08
180	374410	3771480	2.97E-08
181	374430	3771480	3.47E-08
182	374450	3771480	3.84E-08
183	374470	3771480	4.14E-08
184	374490	3771480	4.35E-08
185	374510	3771480	4.48E-08
186	374530	3771480	4.54E-08
187	374550	3771480	4.49E-08
188	374570	3771480	4.42E-08
189	374590	3771480	4.34E-08
190	374610	3771480	4.28E-08
191	374630	3771480	4.26E-08
192	374650	3771480	4.27E-08
193	374670	3771480	4.31E-08
194	374690	3771480	4.40E-08
195	374710	3771480	4.50E-08
196	374730	3771480	4.65E-08
197	374750	3771480	4.77E-08
198	374770	3771480	4.75E-08
199	374790	3771480	4.66E-08
200	374810	3771480	4.50E-08
201	374830	3771480	4.30E-08
202	374850	3771480	4.11E-08
203	374870	3771480	3.94E-08
204	374890	3771480	3.76E-08
205	374910	3771480	3.57E-08
206	374930	3771480	3.43E-08
207	374950	3771480	3.29E-08
208	374290	3771500	1.11E-08
209	374310	3771500	1.28E-08
210	374330	3771500	1.49E-08
211	374350	3771500	1.73E-08
212	374370	3771500	2.02E-08
213	374390	3771500	2.35E-08
214	374410	3771500	2.80E-08
215	374430	3771500	3.23E-08
216	374450	3771500	3.58E-08
217	374470	3771500	3.85E-08
218	374490	3771500	4.04E-08
219	374510	3771500	4.16E-08
220	374530	3771500	4.19E-08
221	374550	3771500	4.15E-08
222	374570	3771500	4.07E-08
223	374590	3771500	3.98E-08
224	374610	3771500	3.89E-08
225	374630	3771500	3.83E-08
226	374650	3771500	3.81E-08
227	374670	3771500	3.79E-08
228	374690	3771500	3.80E-08
229	374710	3771500	3.84E-08
230	374730	3771500	3.90E-08
231	374750	3771500	3.97E-08
232	374770	3771500	3.95E-08
233	374790	3771500	3.90E-08
234	374810	3771500	3.81E-08
235	374830	3771500	3.71E-08
236	374850	3771500	3.59E-08
237	374870	3771500	3.46E-08

No.	X	Y	Risk
159	374670	3771460	2.05E-07
160	374690	3771460	2.10E-07
161	374710	3771460	2.20E-07
162	374730	3771460	2.36E-07
163	374750	3771460	2.51E-07
164	374770	3771460	2.51E-07
165	374790	3771460	2.37E-07
166	374810	3771460	2.21E-07
167	374830	3771460	2.06E-07
168	374850	3771460	1.93E-07
169	374870	3771460	1.82E-07
170	374890	3771460	1.72E-07
171	374910	3771460	1.64E-07
172	374930	3771460	1.57E-07
173	374950	3771460	1.50E-07
174	374290	3771480	4.64E-08
175	374310	3771480	5.35E-08
176	374330	3771480	6.24E-08
177	374350	3771480	7.31E-08
178	374370	3771480	8.55E-08
179	374390	3771480	1.01E-07
180	374410	3771480	1.21E-07
181	374430	3771480	1.41E-07
182	374450	3771480	1.56E-07
183	374470	3771480	1.68E-07
184	374490	3771480	1.76E-07
185	374510	3771480	1.81E-07
186	374530	3771480	1.83E-07
187	374550	3771480	1.80E-07
188	374570	3771480	1.77E-07
189	374590	3771480	1.74E-07
190	374610	3771480	1.71E-07
191	374630	3771480	1.71E-07
192	374650	3771480	1.71E-07
193	374670	3771480	1.73E-07
194	374690	3771480	1.77E-07
195	374710	3771480	1.82E-07
196	374730	3771480	1.88E-07
197	374750	3771480	1.93E-07
198	374770	3771480	1.93E-07
199	374790	3771480	1.89E-07
200	374810	3771480	1.83E-07
201	374830	3771480	1.75E-07
202	374850	3771480	1.67E-07
203	374870	3771480	1.60E-07
204	374890	3771480	1.53E-07
205	374910	3771480	1.46E-07
206	374930	3771480	1.40E-07
207	374950	3771480	1.34E-07
208	374290	3771500	4.53E-08
209	374310	3771500	5.21E-08
210	374330	3771500	6.06E-08
211	374350	3771500	7.04E-08
212	374370	3771500	8.22E-08
213	374390	3771500	9.57E-08
214	374410	3771500	1.14E-07
215	374430	3771500	1.32E-07
216	374450	3771500	1.46E-07
217	374470	3771500	1.57E-07
218	374490	3771500	1.64E-07
219	374510	3771500	1.69E-07
220	374530	3771500	1.70E-07
221	374550	3771500	1.68E-07
222	374570	3771500	1.64E-07
223	374590	3771500	1.60E-07
224	374610	3771500	1.57E-07
225	374630	3771500	1.54E-07
226	374650	3771500	1.53E-07
227	374670	3771500	1.53E-07
228	374690	3771500	1.53E-07
229	374710	3771500	1.55E-07
230	374730	3771500	1.58E-07
231	374750	3771500	1.61E-07
232	374770	3771500	1.60E-07
233	374790	3771500	1.58E-07
234	374810	3771500	1.55E-07
235	374830	3771500	1.51E-07
236	374850	3771500	1.46E-07
237	374870	3771500	1.41E-07

Television City

Cancer Risk by Receptor - Project Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
238	374890	3771500	4.79E-07
239	374910	3771500	4.60E-07
240	374930	3771500	4.44E-07
241	374950	3771500	4.28E-07
242	374290	3771520	1.56E-07
243	374310	3771520	1.79E-07
244	374330	3771520	2.07E-07
245	374350	3771520	2.39E-07
246	374370	3771520	2.77E-07
247	374390	3771520	3.20E-07
248	374410	3771520	3.77E-07
249	374430	3771520	4.33E-07
250	374450	3771520	4.81E-07
251	374470	3771520	5.17E-07
252	374490	3771520	5.43E-07
253	374510	3771520	5.59E-07
254	374530	3771520	5.62E-07
255	374550	3771520	5.59E-07
256	374570	3771520	5.46E-07
257	374590	3771520	5.33E-07
258	374610	3771520	5.18E-07
259	374630	3771520	5.05E-07
260	374650	3771520	4.99E-07
261	374670	3771520	4.93E-07
262	374690	3771520	4.89E-07
263	374710	3771520	4.88E-07
264	374730	3771520	4.91E-07
265	374750	3771520	4.95E-07
266	374770	3771520	4.93E-07
267	374790	3771520	4.86E-07
268	374810	3771520	4.77E-07
269	374830	3771520	4.67E-07
270	374850	3771520	4.54E-07
271	374870	3771520	4.42E-07
272	374890	3771520	4.29E-07
273	374910	3771520	4.15E-07
274	374930	3771520	4.00E-07
275	374950	3771520	3.88E-07
276	374290	3771540	1.52E-07
277	374310	3771540	1.74E-07
278	374330	3771540	2.00E-07
279	374350	3771540	2.30E-07
280	374370	3771540	2.64E-07
281	374390	3771540	3.04E-07
282	374410	3771540	3.57E-07
283	374430	3771540	4.05E-07
284	374450	3771540	4.52E-07
285	374470	3771540	4.86E-07
286	374490	3771540	5.09E-07
287	374510	3771540	5.24E-07
288	374530	3771540	5.29E-07
289	374550	3771540	5.25E-07
290	374570	3771540	5.14E-07
291	374590	3771540	4.99E-07
292	374610	3771540	4.84E-07
293	374630	3771540	4.69E-07
294	374650	3771540	4.60E-07
295	374670	3771540	4.52E-07
296	374690	3771540	4.47E-07
297	374710	3771540	4.43E-07
298	374730	3771540	4.41E-07
299	374750	3771540	4.39E-07
300	374770	3771540	4.38E-07
301	374790	3771540	4.31E-07
302	374810	3771540	4.23E-07
303	374830	3771540	4.18E-07
304	374850	3771540	4.08E-07
305	374870	3771540	3.97E-07
306	374890	3771540	3.86E-07
307	374910	3771540	3.75E-07
308	374930	3771540	3.65E-07
309	374950	3771540	3.53E-07
310	374765	3771270	7.41E-06
311	374775	3771270	6.41E-06
312	374785	3771270	5.89E-06
313	374795	3771270	5.45E-06
314	374805	3771270	4.85E-06
315	374815	3771270	4.03E-06
316	374825	3771270	3.27E-06

No.	X	Y	Risk
238	374890	3771500	3.33E-08
239	374910	3771500	3.20E-08
240	374930	3771500	3.09E-08
241	374950	3771500	2.98E-08
242	374290	3771520	1.09E-08
243	374310	3771520	1.25E-08
244	374330	3771520	1.44E-08
245	374350	3771520	1.67E-08
246	374370	3771520	1.93E-08
247	374390	3771520	2.23E-08
248	374410	3771520	2.63E-08
249	374430	3771520	3.01E-08
250	374450	3771520	3.35E-08
251	374470	3771520	3.60E-08
252	374490	3771520	3.78E-08
253	374510	3771520	3.89E-08
254	374530	3771520	3.91E-08
255	374550	3771520	3.89E-08
256	374570	3771520	3.80E-08
257	374590	3771520	3.70E-08
258	374610	3771520	3.60E-08
259	374630	3771520	3.51E-08
260	374650	3771520	3.46E-08
261	374670	3771520	3.43E-08
262	374690	3771520	3.40E-08
263	374710	3771520	3.39E-08
264	374730	3771520	3.41E-08
265	374750	3771520	3.44E-08
266	374770	3771520	3.43E-08
267	374790	3771520	3.38E-08
268	374810	3771520	3.32E-08
269	374830	3771520	3.25E-08
270	374850	3771520	3.16E-08
271	374870	3771520	3.08E-08
272	374890	3771520	2.98E-08
273	374910	3771520	2.89E-08
274	374930	3771520	2.78E-08
275	374950	3771520	2.70E-08
276	374290	3771540	1.06E-08
277	374310	3771540	1.21E-08
278	374330	3771540	1.39E-08
279	374350	3771540	1.60E-08
280	374370	3771540	1.84E-08
281	374390	3771540	2.12E-08
282	374410	3771540	2.49E-08
283	374430	3771540	2.82E-08
284	374450	3771540	3.15E-08
285	374470	3771540	3.38E-08
286	374490	3771540	3.54E-08
287	374510	3771540	3.65E-08
288	374530	3771540	3.68E-08
289	374550	3771540	3.65E-08
290	374570	3771540	3.58E-08
291	374590	3771540	3.47E-08
292	374610	3771540	3.37E-08
293	374630	3771540	3.26E-08
294	374650	3771540	3.20E-08
295	374670	3771540	3.14E-08
296	374690	3771540	3.10E-08
297	374710	3771540	3.08E-08
298	374730	3771540	3.06E-08
299	374750	3771540	3.06E-08
300	374770	3771540	3.05E-08
301	374790	3771540	3.00E-08
302	374810	3771540	2.95E-08
303	374830	3771540	2.91E-08
304	374850	3771540	2.84E-08
305	374870	3771540	2.76E-08
306	374890	3771540	2.69E-08
307	374910	3771540	2.61E-08
308	374930	3771540	2.54E-08
309	374950	3771540	2.46E-08
310	374765	3771270	5.16E-07
311	374775	3771270	4.46E-07
312	374785	3771270	4.09E-07
313	374795	3771270	3.79E-07
314	374805	3771270	3.37E-07
315	374815	3771270	2.80E-07
316	374825	3771270	2.27E-07

No.	X	Y	Risk
238	374890	3771500	1.36E-07
239	374910	3771500	1.30E-07
240	374930	3771500	1.26E-07
241	374950	3771500	1.22E-07
242	374290	3771520	4.42E-08
243	374310	3771520	5.08E-08
244	374330	3771520	5.86E-08
245	374350	3771520	6.80E-08
246	374370	3771520	7.86E-08
247	374390	3771520	9.10E-08
248	374410	3771520	1.07E-07
249	374430	3771520	1.23E-07
250	374450	3771520	1.37E-07
251	374470	3771520	1.47E-07
252	374490	3771520	1.54E-07
253	374510	3771520	1.58E-07
254	374530	3771520	1.59E-07
255	374550	3771520	1.58E-07
256	374570	3771520	1.54E-07
257	374590	3771520	1.50E-07
258	374610	3771520	1.46E-07
259	374630	3771520	1.42E-07
260	374650	3771520	1.40E-07
261	374670	3771520	1.38E-07
262	374690	3771520	1.38E-07
263	374710	3771520	1.37E-07
264	374730	3771520	1.38E-07
265	374750	3771520	1.40E-07
266	374770	3771520	1.39E-07
267	374790	3771520	1.37E-07
268	374810	3771520	1.35E-07
269	374830	3771520	1.32E-07
270	374850	3771520	1.28E-07
271	374870	3771520	1.25E-07
272	374890	3771520	1.21E-07
273	374910	3771520	1.18E-07
274	374930	3771520	1.13E-07
275	374950	3771520	1.10E-07
276	374290	3771540	4.32E-08
277	374310	3771540	4.95E-08
278	374330	3771540	5.69E-08
279	374350	3771540	6.54E-08
280	374370	3771540	7.52E-08
281	374390	3771540	8.67E-08
282	374410	3771540	1.02E-07
283	374430	3771540	1.15E-07
284	374450	3771540	1.29E-07
285	374470	3771540	1.38E-07
286	374490	3771540	1.45E-07
287	374510	3771540	1.49E-07
288	374530	3771540	1.50E-07
289	374550	3771540	1.49E-07
290	374570	3771540	1.46E-07
291	374590	3771540	1.41E-07
292	374610	3771540	1.37E-07
293	374630	3771540	1.32E-07
294	374650	3771540	1.30E-07
295	374670	3771540	1.27E-07
296	374690	3771540	1.26E-07
297	374710	3771540	1.25E-07
298	374730	3771540	1.24E-07
299	374750	3771540	1.24E-07
300	374770	3771540	1.24E-07
301	374790	3771540	1.22E-07
302	374810	3771540	1.20E-07
303	374830	3771540	1.18E-07
304	374850	3771540	1.15E-07
305	374870	3771540	1.12E-07
306	374890	3771540	1.09E-07
307	374910	3771540	1.06E-07
308	374930	3771540	1.04E-07
309	374950	3771540	1.00E-07
310	374765	3771270	2.10E-06
311	374775	3771270	1.81E-06
312	374785	3771270	1.66E-06
313	374795	3771270	1.54E-06
314	374805	3771270	1.37E-06
315	374815	3771270	1.13E-06
316	374825	3771270	9.18E-07

Television City

Cancer Risk by Receptor - Project Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
317	374835	3771270	2.61E-06
318	374845	3771270	2.11E-06
319	374765	3771280	6.51E-06
320	374775	3771280	4.92E-06
321	374785	3771280	4.26E-06
322	374795	3771280	3.85E-06
323	374805	3771280	3.46E-06
324	374815	3771280	3.04E-06
325	374825	3771280	2.62E-06
326	374835	3771280	2.24E-06
327	374845	3771280	1.93E-06
328	374765	3771290	6.05E-06
329	374775	3771290	4.27E-06
330	374785	3771290	3.56E-06
331	374795	3771290	3.15E-06
332	374805	3771290	2.83E-06
333	374815	3771290	2.53E-06
334	374825	3771290	2.26E-06
335	374835	3771290	2.01E-06
336	374845	3771290	1.78E-06
337	374765	3771300	5.75E-06
338	374775	3771300	3.92E-06
339	374785	3771300	3.18E-06
340	374795	3771300	2.77E-06
341	374805	3771300	2.48E-06
342	374815	3771300	2.23E-06
343	374825	3771300	2.02E-06
344	374835	3771300	1.83E-06
345	374845	3771300	1.66E-06
346	374765	3771310	5.57E-06
347	374775	3771310	3.72E-06
348	374785	3771310	2.96E-06
349	374795	3771310	2.54E-06
350	374805	3771310	2.26E-06
351	374815	3771310	2.04E-06
352	374825	3771310	1.86E-06
353	374835	3771310	1.70E-06
354	374845	3771310	1.57E-06
355	374765	3771320	5.43E-06
356	374775	3771320	3.58E-06
357	374785	3771320	2.81E-06
358	374795	3771320	2.38E-06
359	374805	3771320	2.11E-06
360	374815	3771320	1.91E-06
361	374825	3771320	1.74E-06
362	374835	3771320	1.61E-06
363	374845	3771320	1.49E-06
364	374765	3771330	5.34E-06
365	374775	3771330	3.46E-06
366	374785	3771330	2.68E-06
367	374795	3771330	2.26E-06
368	374805	3771330	2.00E-06
369	374815	3771330	1.80E-06
370	374825	3771330	1.65E-06
371	374835	3771330	1.52E-06
372	374845	3771330	1.42E-06
373	374765	3771340	5.26E-06
374	374775	3771340	3.37E-06
375	374785	3771340	2.57E-06
376	374795	3771340	2.16E-06
377	374805	3771340	1.90E-06
378	374815	3771340	1.72E-06
379	374825	3771340	1.57E-06
380	374835	3771340	1.45E-06
381	374845	3771340	1.36E-06
382	374765	3771350	5.18E-06
383	374775	3771350	3.28E-06
384	374785	3771350	2.49E-06
385	374795	3771350	2.08E-06
386	374805	3771350	1.82E-06
387	374815	3771350	1.64E-06
388	374825	3771350	1.51E-06
389	374835	3771350	1.39E-06
390	374845	3771350	1.30E-06
391	374765	3771360	5.09E-06
392	374775	3771360	3.22E-06
393	374785	3771360	2.43E-06
394	374795	3771360	2.01E-06
395	374805	3771360	1.76E-06

No.	X	Y	Risk
317	374835	3771270	1.81E-07
318	374845	3771270	1.47E-07
319	374765	3771280	4.53E-07
320	374775	3771280	3.43E-07
321	374785	3771280	2.96E-07
322	374795	3771280	2.67E-07
323	374805	3771280	2.40E-07
324	374815	3771280	2.11E-07
325	374825	3771280	1.82E-07
326	374835	3771280	1.56E-07
327	374845	3771280	1.34E-07
328	374765	3771290	4.21E-07
329	374775	3771290	2.97E-07
330	374785	3771290	2.47E-07
331	374795	3771290	2.19E-07
332	374805	3771290	1.97E-07
333	374815	3771290	1.76E-07
334	374825	3771290	1.57E-07
335	374835	3771290	1.39E-07
336	374845	3771290	1.24E-07
337	374765	3771300	4.00E-07
338	374775	3771300	2.73E-07
339	374785	3771300	2.21E-07
340	374795	3771300	1.93E-07
341	374805	3771300	1.72E-07
342	374815	3771300	1.55E-07
343	374825	3771300	1.41E-07
344	374835	3771300	1.27E-07
345	374845	3771300	1.15E-07
346	374765	3771310	3.88E-07
347	374775	3771310	2.59E-07
348	374785	3771310	2.06E-07
349	374795	3771310	1.77E-07
350	374805	3771310	1.57E-07
351	374815	3771310	1.42E-07
352	374825	3771310	1.29E-07
353	374835	3771310	1.19E-07
354	374845	3771310	1.09E-07
355	374765	3771320	3.78E-07
356	374775	3771320	2.49E-07
357	374785	3771320	1.95E-07
358	374795	3771320	1.66E-07
359	374805	3771320	1.47E-07
360	374815	3771320	1.33E-07
361	374825	3771320	1.21E-07
362	374835	3771320	1.12E-07
363	374845	3771320	1.04E-07
364	374765	3771330	3.72E-07
365	374775	3771330	2.41E-07
366	374785	3771330	1.86E-07
367	374795	3771330	1.58E-07
368	374805	3771330	1.39E-07
369	374815	3771330	1.26E-07
370	374825	3771330	1.15E-07
371	374835	3771330	1.06E-07
372	374845	3771330	9.86E-08
373	374765	3771340	3.67E-07
374	374775	3771340	2.34E-07
375	374785	3771340	1.79E-07
376	374795	3771340	1.51E-07
377	374805	3771340	1.32E-07
378	374815	3771340	1.20E-07
379	374825	3771340	1.10E-07
380	374835	3771340	1.01E-07
381	374845	3771340	9.43E-08
382	374765	3771350	3.61E-07
383	374775	3771350	2.28E-07
384	374785	3771350	1.73E-07
385	374795	3771350	1.45E-07
386	374805	3771350	1.27E-07
387	374815	3771350	1.14E-07
388	374825	3771350	1.05E-07
389	374835	3771350	9.68E-08
390	374845	3771350	9.02E-08
391	374765	3771360	3.55E-07
392	374775	3771360	2.24E-07
393	374785	3771360	1.69E-07
394	374795	3771360	1.40E-07
395	374805	3771360	1.22E-07

No.	X	Y	Risk
317	374835	3771270	7.33E-07
318	374845	3771270	5.92E-07
319	374765	3771280	1.84E-06
320	374775	3771280	1.39E-06
321	374785	3771280	1.20E-06
322	374795	3771280	1.08E-06
323	374805	3771280	9.73E-07
324	374815	3771280	8.54E-07
325	374825	3771280	7.37E-07
326	374835	3771280	6.31E-07
327	374845	3771280	5.41E-07
328	374765	3771290	1.72E-06
329	374775	3771290	1.21E-06
330	374785	3771290	1.00E-06
331	374795	3771290	8.89E-07
332	374805	3771290	7.97E-07
333	374815	3771290	7.14E-07
334	374825	3771290	6.36E-07
335	374835	3771290	5.65E-07
336	374845	3771290	5.01E-07
337	374765	3771300	1.63E-06
338	374775	3771300	1.11E-06
339	374785	3771300	8.99E-07
340	374795	3771300	7.82E-07
341	374805	3771300	6.99E-07
342	374815	3771300	6.31E-07
343	374825	3771300	5.71E-07
344	374835	3771300	5.17E-07
345	374845	3771300	4.68E-07
346	374765	3771310	1.58E-06
347	374775	3771310	1.06E-06
348	374785	3771310	8.37E-07
349	374795	3771310	7.18E-07
350	374805	3771310	6.38E-07
351	374815	3771310	5.77E-07
352	374825	3771310	5.26E-07
353	374835	3771310	4.82E-07
354	374845	3771310	4.42E-07
355	374765	3771320	1.54E-06
356	374775	3771320	1.01E-06
357	374785	3771320	7.95E-07
358	374795	3771320	6.75E-07
359	374805	3771320	5.97E-07
360	374815	3771320	5.39E-07
361	374825	3771320	4.93E-07
362	374835	3771320	4.54E-07
363	374845	3771320	4.21E-07
364	374765	3771330	1.52E-06
365	374775	3771330	9.82E-07
366	374785	3771330	7.59E-07
367	374795	3771330	6.42E-07
368	374805	3771330	5.66E-07
369	374815	3771330	5.11E-07
370	374825	3771330	4.68E-07
371	374835	3771330	4.32E-07
372	374845	3771330	4.01E-07
373	374765	3771340	1.50E-06
374	374775	3771340	9.57E-07
375	374785	3771340	7.30E-07
376	374795	3771340	6.14E-07
377	374805	3771340	5.39E-07
378	374815	3771340	4.88E-07
379	374825	3771340	4.46E-07
380	374835	3771340	4.12E-07
381	374845	3771340	3.84E-07
382	374765	3771350	1.47E-06
383	374775	3771350	9.32E-07
384	374785	3771350	7.07E-07
385	374795	3771350	5.90E-07
386	374805	3771350	5.17E-07
387	374815	3771350	4.66E-07
388	374825	3771350	4.27E-07
389	374835	3771350	3.94E-07
390	374845	3771350	3.67E-07
391	374765	3771360	1.45E-06
392	374775	3771360	9.14E-07
393	374785	3771360	6.89E-07
394	374795	3771360	5.71E-07
395	374805	3771360	4.98E-07

Television City

Cancer Risk by Receptor - Project Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
396	374815	3771360	1.58E-06
397	374825	3771360	1.45E-06
398	374835	3771360	1.33E-06
399	374845	3771360	1.24E-06
400	374765	3771370	5.06E-06
401	374775	3771370	3.18E-06
402	374785	3771370	2.37E-06
403	374795	3771370	1.95E-06
404	374805	3771370	1.69E-06
405	374815	3771370	1.52E-06
406	374825	3771370	1.39E-06
407	374835	3771370	1.28E-06
408	374845	3771370	1.20E-06
409	374765	3771380	4.95E-06
410	374775	3771380	3.12E-06
411	374785	3771380	2.31E-06
412	374795	3771380	1.89E-06
413	374805	3771380	1.63E-06
414	374815	3771380	1.46E-06
415	374825	3771380	1.33E-06
416	374835	3771380	1.23E-06
417	374845	3771380	1.14E-06
418	374765	3771390	4.80E-06
419	374775	3771390	2.94E-06
420	374785	3771390	2.20E-06
421	374795	3771390	1.79E-06
422	374805	3771390	1.56E-06
423	374815	3771390	1.39E-06
424	374825	3771390	1.27E-06
425	374835	3771390	1.18E-06
426	374845	3771390	1.10E-06
427	374765	3771400	4.61E-06
428	374775	3771400	2.77E-06
429	374785	3771400	2.04E-06
430	374795	3771400	1.68E-06
431	374805	3771400	1.46E-06
432	374815	3771400	1.32E-06
433	374825	3771400	1.21E-06
434	374835	3771400	1.12E-06
435	374845	3771400	1.05E-06
436	374765	3771410	4.24E-06
437	374775	3771410	2.50E-06
438	374785	3771410	1.85E-06
439	374795	3771410	1.55E-06
440	374805	3771410	1.36E-06
441	374815	3771410	1.23E-06
442	374825	3771410	1.14E-06
443	374835	3771410	1.06E-06
444	374845	3771410	9.95E-07
445	374390	3771020	2.50E-07
446	374410	3771020	2.66E-07
447	374430	3771020	2.84E-07
448	374450	3771020	3.05E-07
449	374470	3771020	3.28E-07
450	374490	3771020	3.53E-07
451	374510	3771020	3.79E-07
452	374530	3771020	4.00E-07
453	374550	3771020	4.21E-07
454	374570	3771020	4.37E-07
455	374590	3771020	4.46E-07
456	374610	3771020	4.50E-07
457	374630	3771020	4.50E-07
458	374650	3771020	4.49E-07
459	374670	3771020	4.46E-07
460	374690	3771020	4.31E-07
461	374710	3771020	4.19E-07
462	374730	3771020	4.06E-07
463	374750	3771020	3.91E-07
464	374770	3771020	3.76E-07
465	374790	3771020	3.60E-07
466	374810	3771020	3.46E-07
467	374830	3771020	3.34E-07
468	374390	3771040	2.67E-07
469	374410	3771040	2.84E-07
470	374430	3771040	3.03E-07
471	374450	3771040	3.28E-07
472	374470	3771040	3.56E-07
473	374490	3771040	3.85E-07
474	374510	3771040	4.15E-07

No.	X	Y	Risk
396	374815	3771360	1.10E-07
397	374825	3771360	1.01E-07
398	374835	3771360	9.29E-08
399	374845	3771360	8.67E-08
400	374765	3771370	3.53E-07
401	374775	3771370	2.22E-07
402	374785	3771370	1.65E-07
403	374795	3771370	1.36E-07
404	374805	3771370	1.18E-07
405	374815	3771370	1.06E-07
406	374825	3771370	9.65E-08
407	374835	3771370	8.92E-08
408	374845	3771370	8.32E-08
409	374765	3771380	3.45E-07
410	374775	3771380	2.17E-07
411	374785	3771380	1.61E-07
412	374795	3771380	1.32E-07
413	374805	3771380	1.14E-07
414	374815	3771380	1.01E-07
415	374825	3771380	9.24E-08
416	374835	3771380	8.56E-08
417	374845	3771380	7.97E-08
418	374765	3771390	3.34E-07
419	374775	3771390	2.05E-07
420	374785	3771390	1.53E-07
421	374795	3771390	1.25E-07
422	374805	3771390	1.08E-07
423	374815	3771390	9.71E-08
424	374825	3771390	8.86E-08
425	374835	3771390	8.19E-08
426	374845	3771390	7.62E-08
427	374765	3771400	3.21E-07
428	374775	3771400	1.93E-07
429	374785	3771400	1.42E-07
430	374795	3771400	1.17E-07
431	374805	3771400	1.02E-07
432	374815	3771400	9.19E-08
433	374825	3771400	8.42E-08
434	374835	3771400	7.80E-08
435	374845	3771400	7.28E-08
436	374765	3771410	2.96E-07
437	374775	3771410	1.74E-07
438	374785	3771410	1.29E-07
439	374795	3771410	1.08E-07
440	374805	3771410	9.47E-08
441	374815	3771410	8.58E-08
442	374825	3771410	7.92E-08
443	374835	3771410	7.39E-08
444	374845	3771410	6.93E-08
445	374390	3771020	1.74E-08
446	374410	3771020	1.85E-08
447	374430	3771020	1.98E-08
448	374450	3771020	2.13E-08
449	374470	3771020	2.28E-08
450	374490	3771020	2.46E-08
451	374510	3771020	2.64E-08
452	374530	3771020	2.79E-08
453	374550	3771020	2.94E-08
454	374570	3771020	3.04E-08
455	374590	3771020	3.11E-08
456	374610	3771020	3.14E-08
457	374630	3771020	3.13E-08
458	374650	3771020	3.13E-08
459	374670	3771020	3.10E-08
460	374690	3771020	3.00E-08
461	374710	3771020	2.91E-08
462	374730	3771020	2.82E-08
463	374750	3771020	2.72E-08
464	374770	3771020	2.61E-08
465	374790	3771020	2.50E-08
466	374810	3771020	2.40E-08
467	374830	3771020	2.32E-08
468	374390	3771040	1.86E-08
469	374410	3771040	1.98E-08
470	374430	3771040	2.11E-08
471	374450	3771040	2.29E-08
472	374470	3771040	2.48E-08
473	374490	3771040	2.68E-08
474	374510	3771040	2.89E-08

No.	X	Y	Risk
396	374815	3771360	4.48E-07
397	374825	3771360	4.10E-07
398	374835	3771360	3.79E-07
399	374845	3771360	3.53E-07
400	374765	3771370	1.44E-06
401	374775	3771370	9.05E-07
402	374785	3771370	6.74E-07
403	374795	3771370	5.54E-07
404	374805	3771370	4.80E-07
405	374815	3771370	4.31E-07
406	374825	3771370	3.93E-07
407	374835	3771370	3.63E-07
408	374845	3771370	3.39E-07
409	374765	3771380	1.41E-06
410	374775	3771380	8.87E-07
411	374785	3771380	6.56E-07
412	374795	3771380	5.37E-07
413	374805	3771380	4.63E-07
414	374815	3771380	4.14E-07
415	374825	3771380	3.77E-07
416	374835	3771380	3.49E-07
417	374845	3771380	3.25E-07
418	374765	3771390	1.37E-06
419	374775	3771390	8.36E-07
420	374785	3771390	6.24E-07
421	374795	3771390	5.10E-07
422	374805	3771390	4.42E-07
423	374815	3771390	3.96E-07
424	374825	3771390	3.61E-07
425	374835	3771390	3.34E-07
426	374845	3771390	3.11E-07
427	374765	3771400	1.31E-06
428	374775	3771400	7.87E-07
429	374785	3771400	5.78E-07
430	374795	3771400	4.78E-07
431	374805	3771400	4.16E-07
432	374815	3771400	3.75E-07
433	374825	3771400	3.43E-07
434	374835	3771400	3.18E-07
435	374845	3771400	2.97E-07
436	374765	3771410	1.21E-06
437	374775	3771410	7.12E-07
438	374785	3771410	5.26E-07
439	374795	3771410	4.40E-07
440	374805	3771410	3.86E-07
441	374815	3771410	3.50E-07
442	374825	3771410	3.23E-07
443	374835	3771410	3.01E-07
444	374845	3771410	2.82E-07
445	374390	3771020	7.12E-08
446	374410	3771020	7.58E-08
447	374430	3771020	8.10E-08
448	374450	3771020	8.70E-08
449	374470	3771020	9.34E-08
450	374490	3771020	1.01E-07
451	374510	3771020	1.08E-07
452	374530	3771020	1.14E-07
453	374550	3771020	1.20E-07
454	374570	3771020	1.24E-07
455	374590	3771020	1.27E-07
456	374610	3771020	1.28E-07
457	374630	3771020	1.28E-07
458	374650	3771020	1.27E-07
459	374670	3771020	1.26E-07
460	374690	3771020	1.22E-07
461	374710	3771020	1.18E-07
462	374730	3771020	1.14E-07
463	374750	3771020	1.10E-07
464	374770	3771020	1.05E-07
465	374790	3771020	1.01E-07
466	374810	3771020	9.71E-08
467	374830	3771020	9.36E-08
468	374390	3771040	7.59E-08
469	374410	3771040	8.08E-08
470	374430	3771040	8.64E-08
471	374450	3771040	9.34E-08
472	374470	3771040	1.01E-07
473	374490	3771040	1.10E-07
474	374510	3771040	1.18E-07

Television City

Cancer Risk by Receptor - Project Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk	No.	X	Y	Risk	No.	X	Y	Risk
475	374530	3771040	4.39E-07	475	374530	3771040	3.06E-08	475	374530	3771040	1.25E-07
476	374550	3771040	4.61E-07	476	374550	3771040	3.22E-08	476	374550	3771040	1.32E-07
477	374570	3771040	4.80E-07	477	374570	3771040	3.34E-08	477	374570	3771040	1.37E-07
478	374590	3771040	4.93E-07	478	374590	3771040	3.44E-08	478	374590	3771040	1.40E-07
479	374610	3771040	5.02E-07	479	374610	3771040	3.50E-08	479	374610	3771040	1.43E-07
480	374630	3771040	5.11E-07	480	374630	3771040	3.56E-08	480	374630	3771040	1.45E-07
481	374650	3771040	4.94E-07	481	374650	3771040	3.44E-08	481	374650	3771040	1.40E-07
482	374670	3771040	4.88E-07	482	374670	3771040	3.40E-08	482	374670	3771040	1.38E-07
483	374690	3771040	4.81E-07	483	374690	3771040	3.35E-08	483	374690	3771040	1.36E-07
484	374710	3771040	4.75E-07	484	374710	3771040	3.30E-08	484	374710	3771040	1.34E-07
485	374730	3771040	4.66E-07	485	374730	3771040	3.24E-08	485	374730	3771040	1.31E-07
486	374750	3771040	4.54E-07	486	374750	3771040	3.15E-08	486	374750	3771040	1.27E-07
487	374770	3771040	4.38E-07	487	374770	3771040	3.04E-08	487	374770	3771040	1.23E-07
488	374790	3771040	4.18E-07	488	374790	3771040	2.90E-08	488	374790	3771040	1.17E-07
489	374810	3771040	3.99E-07	489	374810	3771040	2.77E-08	489	374810	3771040	1.11E-07
490	374830	3771040	3.80E-07	490	374830	3771040	2.64E-08	490	374830	3771040	1.06E-07
491	374390	3771060	2.85E-07	491	374390	3771060	1.99E-08	491	374390	3771060	8.12E-08
492	374410	3771060	3.07E-07	492	374410	3771060	2.14E-08	492	374410	3771060	8.74E-08
493	374430	3771060	3.29E-07	493	374430	3771060	2.29E-08	493	374430	3771060	9.37E-08
494	374450	3771060	3.57E-07	494	374450	3771060	2.49E-08	494	374450	3771060	1.02E-07
495	374470	3771060	3.90E-07	495	374470	3771060	2.72E-08	495	374470	3771060	1.11E-07
496	374490	3771060	4.24E-07	496	374490	3771060	2.96E-08	496	374490	3771060	1.21E-07
497	374510	3771060	4.56E-07	497	374510	3771060	3.18E-08	497	374510	3771060	1.30E-07
498	374530	3771060	4.84E-07	498	374530	3771060	3.37E-08	498	374530	3771060	1.38E-07
499	374550	3771060	5.05E-07	499	374550	3771060	3.52E-08	499	374550	3771060	1.44E-07
500	374570	3771060	5.23E-07	500	374570	3771060	3.64E-08	500	374570	3771060	1.49E-07
501	374590	3771060	5.43E-07	501	374590	3771060	3.78E-08	501	374590	3771060	1.54E-07
502	374610	3771060	5.64E-07	502	374610	3771060	3.93E-08	502	374610	3771060	1.60E-07
503	374630	3771060	5.64E-07	503	374630	3771060	3.93E-08	503	374630	3771060	1.60E-07
504	374650	3771060	5.63E-07	504	374650	3771060	3.92E-08	504	374650	3771060	1.59E-07
505	374670	3771060	5.65E-07	505	374670	3771060	3.93E-08	505	374670	3771060	1.60E-07
506	374690	3771060	5.54E-07	506	374690	3771060	3.85E-08	506	374690	3771060	1.56E-07
507	374710	3771060	5.43E-07	507	374710	3771060	3.77E-08	507	374710	3771060	1.53E-07
508	374730	3771060	5.30E-07	508	374730	3771060	3.68E-08	508	374730	3771060	1.48E-07
509	374750	3771060	5.14E-07	509	374750	3771060	3.56E-08	509	374750	3771060	1.43E-07
510	374770	3771060	4.93E-07	510	374770	3771060	3.42E-08	510	374770	3771060	1.37E-07
511	374790	3771060	4.72E-07	511	374790	3771060	3.27E-08	511	374790	3771060	1.31E-07
512	374810	3771060	4.50E-07	512	374810	3771060	3.12E-08	512	374810	3771060	1.25E-07
513	374830	3771060	4.25E-07	513	374830	3771060	2.95E-08	513	374830	3771060	1.18E-07
514	374390	3771080	3.14E-07	514	374390	3771080	2.19E-08	514	374390	3771080	8.93E-08
515	374410	3771080	3.36E-07	515	374410	3771080	2.34E-08	515	374410	3771080	9.54E-08
516	374430	3771080	3.62E-07	516	374430	3771080	2.52E-08	516	374430	3771080	1.03E-07
517	374450	3771080	3.94E-07	517	374450	3771080	2.74E-08	517	374450	3771080	1.12E-07
518	374470	3771080	4.31E-07	518	374470	3771080	3.00E-08	518	374470	3771080	1.23E-07
519	374490	3771080	4.66E-07	519	374490	3771080	3.24E-08	519	374490	3771080	1.32E-07
520	374510	3771080	4.96E-07	520	374510	3771080	3.46E-08	520	374510	3771080	1.41E-07
521	374530	3771080	5.10E-07	521	374530	3771080	3.55E-08	521	374530	3771080	1.45E-07
522	374550	3771080	5.44E-07	522	374550	3771080	3.79E-08	522	374550	3771080	1.55E-07
523	374570	3771080	5.63E-07	523	374570	3771080	3.92E-08	523	374570	3771080	1.60E-07
524	374590	3771080	5.95E-07	524	374590	3771080	4.14E-08	524	374590	3771080	1.69E-07
525	374610	3771080	6.21E-07	525	374610	3771080	4.32E-08	525	374610	3771080	1.76E-07
526	374630	3771080	6.16E-07	526	374630	3771080	4.29E-08	526	374630	3771080	1.75E-07
527	374650	3771080	6.38E-07	527	374650	3771080	4.44E-08	527	374650	3771080	1.80E-07
528	374670	3771080	6.49E-07	528	374670	3771080	4.52E-08	528	374670	3771080	1.83E-07
529	374690	3771080	6.43E-07	529	374690	3771080	4.47E-08	529	374690	3771080	1.81E-07
530	374710	3771080	6.25E-07	530	374710	3771080	4.34E-08	530	374710	3771080	1.75E-07
531	374730	3771080	6.17E-07	531	374730	3771080	4.28E-08	531	374730	3771080	1.72E-07
532	374750	3771080	6.01E-07	532	374750	3771080	4.16E-08	532	374750	3771080	1.66E-07
533	374770	3771080	5.81E-07	533	374770	3771080	4.02E-08	533	374770	3771080	1.60E-07
534	374790	3771080	5.57E-07	534	374790	3771080	3.85E-08	534	374790	3771080	1.53E-07
535	374810	3771080	5.26E-07	535	374810	3771080	3.63E-08	535	374810	3771080	1.44E-07
536	374830	3771080	4.90E-07	536	374830	3771080	3.39E-08	536	374830	3771080	1.35E-07
537	374390	3771100	3.52E-07	537	374390	3771100	2.45E-08	537	374390	3771100	1.00E-07
538	374410	3771100	3.76E-07	538	374410	3771100	2.62E-08	538	374410	3771100	1.07E-07
539	374430	3771100	4.03E-07	539	374430	3771100	2.80E-08	539	374430	3771100	1.14E-07
540	374450	3771100	4.37E-07	540	374450	3771100	3.05E-08	540	374450	3771100	1.24E-07
541	374470	3771100	4.65E-07	541	374470	3771100	3.24E-08	541	374470	3771100	1.32E-07
542	374490	3771100	4.93E-07	542	374490	3771100	3.43E-08	542	374490	3771100	1.40E-07
543	374510	3771100	5.17E-07	543	374510	3771100	3.60E-08	543	374510	3771100	1.47E-07
544	374530	3771100	5.48E-07	544	374530	3771100	3.82E-08	544	374530	3771100	1.56E-07
545	374550	3771100	5.83E-07	545	374550	3771100	4.06E-08	545	374550	3771100	1.65E-07
546	374570	3771100	6.21E-07	546	374570	3771100	4.33E-08	546	374570	3771100	1.76E-07
547	374590	3771100	6.72E-07	547	374590	3771100	4.68E-08	547	374590	3771100	1.91E-07
548	374610	3771100	6.95E-07	548	374610	3771100	4.84E-08	548	374610	3771100	1.97E-07
549	374630	3771100	7.01E-07	549	374630	3771100	4.87E-08	549	374630	3771100	1.98E-07
550	374650	3771100	7.24E-07	550	374650	3771100	5.04E-08	550	374650	3771100	2.05E-07
551	374670	3771100	7.33E-07	551	374670	3771100	5.09E-08	551	374670	3771100	2.06E-07
552	374690	3771100	7.40E-07	552	374690	3771100	5.14E-08	552	374690	3771100	2.08E-07
553	374710	3771100	7.38E-07	553	374710	3771100	5.11E-08	553	374710	3771100	2.05E-07

Television City

Cancer Risk by Receptor - Project Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
554	374730	3771100	7.31E-07
555	374750	3771100	7.23E-07
556	374770	3771100	7.06E-07
557	374790	3771100	6.76E-07
558	374810	3771100	6.33E-07
559	374830	3771100	5.82E-07
560	374390	3771120	4.04E-07
561	374410	3771120	4.33E-07
562	374430	3771120	4.59E-07
563	374450	3771120	4.96E-07
564	374470	3771120	5.27E-07
565	374490	3771120	5.56E-07
566	374510	3771120	5.89E-07
567	374530	3771120	6.42E-07
568	374550	3771120	6.89E-07
569	374570	3771120	7.36E-07
570	374590	3771120	7.78E-07
571	374610	3771120	7.99E-07
572	374630	3771120	8.20E-07
573	374650	3771120	8.43E-07
574	374670	3771120	8.50E-07
575	374690	3771120	8.63E-07
576	374710	3771120	8.77E-07
577	374730	3771120	8.82E-07
578	374750	3771120	8.95E-07
579	374770	3771120	8.89E-07
580	374790	3771120	8.55E-07
581	374810	3771120	7.95E-07
582	374830	3771120	7.14E-07
583	374390	3771140	4.71E-07
584	374410	3771140	5.16E-07
585	374430	3771140	5.51E-07
586	374450	3771140	5.94E-07
587	374470	3771140	6.36E-07
588	374490	3771140	6.72E-07
589	374510	3771140	7.22E-07
590	374530	3771140	7.90E-07
591	374550	3771140	8.61E-07
592	374570	3771140	9.35E-07
593	374590	3771140	9.92E-07
594	374610	3771140	1.02E-06
595	374630	3771140	1.03E-06
596	374650	3771140	1.03E-06
597	374390	3771160	5.67E-07
598	374410	3771160	6.63E-07
599	374430	3771160	7.32E-07
600	374450	3771160	8.07E-07
601	374470	3771160	8.68E-07
602	374490	3771160	9.14E-07
603	374510	3771160	1.00E-06
604	374530	3771160	1.09E-06
605	374550	3771160	1.18E-06
606	374570	3771160	1.29E-06
607	374590	3771160	1.38E-06
608	374610	3771160	1.46E-06
609	374630	3771160	1.48E-06
610	374650	3771160	1.44E-06
611	374400	3770680	1.46E-07
612	374420	3770680	1.45E-07
613	374440	3770680	1.42E-07
614	374460	3770680	1.39E-07
615	374480	3770680	1.36E-07
616	374500	3770680	1.32E-07
617	374520	3770680	1.28E-07
618	374540	3770680	1.25E-07
619	374560	3770680	1.21E-07
620	374580	3770680	1.17E-07
621	374400	3770700	1.52E-07
622	374420	3770700	1.51E-07
623	374440	3770700	1.50E-07
624	374460	3770700	1.47E-07
625	374480	3770700	1.44E-07
626	374500	3770700	1.40E-07
627	374520	3770700	1.36E-07
628	374540	3770700	1.33E-07
629	374560	3770700	1.29E-07
630	374580	3770700	1.25E-07
631	374400	3770720	1.57E-07
632	374420	3770720	1.58E-07

No.	X	Y	Risk
554	374730	3771100	5.06E-08
555	374750	3771100	4.99E-08
556	374770	3771100	4.87E-08
557	374790	3771100	4.65E-08
558	374810	3771100	4.36E-08
559	374830	3771100	4.01E-08
560	374390	3771120	2.81E-08
561	374410	3771120	3.01E-08
562	374430	3771120	3.20E-08
563	374450	3771120	3.45E-08
564	374470	3771120	3.67E-08
565	374490	3771120	3.87E-08
566	374510	3771120	4.10E-08
567	374530	3771120	4.47E-08
568	374550	3771120	4.80E-08
569	374570	3771120	5.12E-08
570	374590	3771120	5.41E-08
571	374610	3771120	5.56E-08
572	374630	3771120	5.70E-08
573	374650	3771120	5.86E-08
574	374670	3771120	5.90E-08
575	374690	3771120	5.99E-08
576	374710	3771120	6.07E-08
577	374730	3771120	6.09E-08
578	374750	3771120	6.15E-08
579	374770	3771120	6.09E-08
580	374790	3771120	5.85E-08
581	374810	3771120	5.44E-08
582	374830	3771120	4.90E-08
583	374390	3771140	3.28E-08
584	374410	3771140	3.59E-08
585	374430	3771140	3.84E-08
586	374450	3771140	4.13E-08
587	374470	3771140	4.42E-08
588	374490	3771140	4.67E-08
589	374510	3771140	5.02E-08
590	374530	3771140	5.49E-08
591	374550	3771140	5.99E-08
592	374570	3771140	6.51E-08
593	374590	3771140	6.90E-08
594	374610	3771140	7.13E-08
595	374630	3771140	7.13E-08
596	374650	3771140	7.18E-08
597	374390	3771160	3.95E-08
598	374410	3771160	4.61E-08
599	374430	3771160	5.09E-08
600	374450	3771160	5.61E-08
601	374470	3771160	6.04E-08
602	374490	3771160	6.35E-08
603	374510	3771160	6.96E-08
604	374530	3771160	7.60E-08
605	374550	3771160	8.21E-08
606	374570	3771160	8.96E-08
607	374590	3771160	9.59E-08
608	374610	3771160	1.01E-07
609	374630	3771160	1.03E-07
610	374650	3771160	1.00E-07
611	374400	3770680	1.02E-08
612	374420	3770680	1.01E-08
613	374440	3770680	9.93E-09
614	374460	3770680	9.70E-09
615	374480	3770680	9.48E-09
616	374500	3770680	9.20E-09
617	374520	3770680	8.93E-09
618	374540	3770680	8.70E-09
619	374560	3770680	8.41E-09
620	374580	3770680	8.19E-09
621	374400	3770700	1.06E-08
622	374420	3770700	1.06E-08
623	374440	3770700	1.05E-08
624	374460	3770700	1.03E-08
625	374480	3770700	1.00E-08
626	374500	3770700	9.80E-09
627	374520	3770700	9.52E-09
628	374540	3770700	9.27E-09
629	374560	3770700	9.02E-09
630	374580	3770700	8.73E-09
631	374400	3770720	1.10E-08
632	374420	3770720	1.10E-08

No.	X	Y	Risk
554	374730	3771100	2.02E-07
555	374750	3771100	1.98E-07
556	374770	3771100	1.91E-07
557	374790	3771100	1.82E-07
558	374810	3771100	1.71E-07
559	374830	3771100	1.58E-07
560	374390	3771120	1.15E-07
561	374410	3771120	1.23E-07
562	374430	3771120	1.30E-07
563	374450	3771120	1.41E-07
564	374470	3771120	1.49E-07
565	374490	3771120	1.57E-07
566	374510	3771120	1.67E-07
567	374530	3771120	1.82E-07
568	374550	3771120	1.95E-07
569	374570	3771120	2.09E-07
570	374590	3771120	2.20E-07
571	374610	3771120	2.26E-07
572	374630	3771120	2.32E-07
573	374650	3771120	2.38E-07
574	374670	3771120	2.39E-07
575	374690	3771120	2.41E-07
576	374710	3771120	2.43E-07
577	374730	3771120	2.40E-07
578	374750	3771120	2.39E-07
579	374770	3771120	2.34E-07
580	374790	3771120	2.23E-07
581	374810	3771120	2.08E-07
582	374830	3771120	1.89E-07
583	374390	3771140	1.34E-07
584	374410	3771140	1.46E-07
585	374430	3771140	1.56E-07
586	374450	3771140	1.68E-07
587	374470	3771140	1.80E-07
588	374490	3771140	1.90E-07
589	374510	3771140	2.04E-07
590	374530	3771140	2.23E-07
591	374550	3771140	2.44E-07
592	374570	3771140	2.65E-07
593	374590	3771140	2.81E-07
594	374610	3771140	2.90E-07
595	374630	3771140	2.90E-07
596	374650	3771140	2.91E-07
597	374390	3771160	1.61E-07
598	374410	3771160	1.87E-07
599	374430	3771160	2.06E-07
600	374450	3771160	2.27E-07
601	374470	3771160	2.44E-07
602	374490	3771160	2.57E-07
603	374510	3771160	2.82E-07
604	374530	3771160	3.08E-07
605	374550	3771160	3.33E-07
606	374570	3771160	3.64E-07
607	374590	3771160	3.90E-07
608	374610	3771160	4.13E-07
609	374630	3771160	4.19E-07
610	374650	3771160	4.07E-07
611	374400	3770680	4.19E-08
612	374420	3770680	4.15E-08
613	374440	3770680	4.08E-08
614	374460	3770680	3.99E-08
615	374480	3770680	3.89E-08
616	374500	3770680	3.78E-08
617	374520	3770680	3.66E-08
618	374540	3770680	3.57E-08
619	374560	3770680	3.45E-08
620	374580	3770680	3.36E-08
621	374400	3770700	4.36E-08
622	374420	3770700	4.34E-08
623	374440	3770700	4.30E-08
624	374460	3770700	4.21E-08
625	374480	3770700	4.12E-08
626	374500	3770700	4.02E-08
627	374520	3770700	3.91E-08
628	374540	3770700	3.80E-08
629	374560	3770700	3.70E-08
630	374580	3770700	3.58E-08
631	374400	3770720	4.52E-08
632	374420	3770720	4.53E-08

Television City

Cancer Risk by Receptor - Project Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
633	374440	3770720	1.57E-07
634	374460	3770720	1.55E-07
635	374480	3770720	1.52E-07
636	374500	3770720	1.49E-07
637	374520	3770720	1.46E-07
638	374540	3770720	1.42E-07
639	374560	3770720	1.38E-07
640	374580	3770720	1.34E-07
641	374400	3770740	1.63E-07
642	374420	3770740	1.64E-07
643	374440	3770740	1.64E-07
644	374460	3770740	1.63E-07
645	374480	3770740	1.62E-07
646	374500	3770740	1.59E-07
647	374520	3770740	1.56E-07
648	374540	3770740	1.52E-07
649	374560	3770740	1.49E-07
650	374580	3770740	1.45E-07
651	374860	3771020	3.16E-07
652	374880	3771020	3.02E-07
653	374900	3771020	2.89E-07
654	374920	3771020	2.77E-07
655	374940	3771020	2.66E-07
656	374960	3771020	2.57E-07
657	374860	3771040	3.53E-07
658	374880	3771040	3.35E-07
659	374900	3771040	3.19E-07
660	374920	3771040	3.04E-07
661	374940	3771040	2.92E-07
662	374960	3771040	2.81E-07
663	374860	3771060	3.95E-07
664	374880	3771060	3.79E-07
665	374900	3771060	3.55E-07
666	374920	3771060	3.35E-07
667	374940	3771060	3.20E-07
668	374960	3771060	3.06E-07
669	374860	3771080	4.46E-07
670	374880	3771080	4.21E-07
671	374900	3771080	3.98E-07
672	374920	3771080	3.73E-07
673	374940	3771080	3.52E-07
674	374960	3771080	3.35E-07
675	374860	3771100	5.12E-07
676	374880	3771100	4.74E-07
677	374900	3771100	4.41E-07
678	374920	3771100	4.16E-07
679	374940	3771100	3.89E-07
680	374960	3771100	3.68E-07
681	374860	3771120	5.95E-07
682	374880	3771120	5.39E-07
683	374900	3771120	4.96E-07
684	374920	3771120	4.63E-07
685	374940	3771120	4.35E-07
686	374960	3771120	4.11E-07
687	374860	3771140	7.04E-07
688	374880	3771140	6.18E-07
689	374900	3771140	5.61E-07
690	374920	3771140	5.17E-07
691	374940	3771140	4.82E-07
692	374960	3771140	4.53E-07
693	374860	3771160	8.39E-07
694	374880	3771160	7.20E-07
695	374900	3771160	6.37E-07
696	374920	3771160	5.80E-07
697	374940	3771160	5.35E-07
698	374960	3771160	4.99E-07
699	374860	3771180	9.97E-07
700	374880	3771180	8.33E-07
701	374900	3771180	7.31E-07
702	374920	3771180	6.59E-07
703	374940	3771180	5.99E-07
704	374960	3771180	5.54E-07
705	374860	3771200	1.20E-06
706	374880	3771200	9.71E-07
707	374900	3771200	8.33E-07
708	374920	3771200	7.41E-07
709	374940	3771200	6.69E-07
710	374960	3771200	6.11E-07
711	374860	3771220	1.46E-06

No.	X	Y	Risk
633	374440	3770720	1.09E-08
634	374460	3770720	1.08E-08
635	374480	3770720	1.06E-08
636	374500	3770720	1.04E-08
637	374520	3770720	1.02E-08
638	374540	3770720	9.92E-09
639	374560	3770720	9.64E-09
640	374580	3770720	9.38E-09
641	374400	3770740	1.14E-08
642	374420	3770740	1.14E-08
643	374440	3770740	1.14E-08
644	374460	3770740	1.14E-08
645	374480	3770740	1.13E-08
646	374500	3770740	1.11E-08
647	374520	3770740	1.09E-08
648	374540	3770740	1.06E-08
649	374560	3770740	1.04E-08
650	374580	3770740	1.01E-08
651	374860	3771020	2.19E-08
652	374880	3771020	2.10E-08
653	374900	3771020	2.01E-08
654	374920	3771020	1.93E-08
655	374940	3771020	1.85E-08
656	374960	3771020	1.79E-08
657	374860	3771040	2.45E-08
658	374880	3771040	2.33E-08
659	374900	3771040	2.22E-08
660	374920	3771040	2.11E-08
661	374940	3771040	2.03E-08
662	374960	3771040	1.95E-08
663	374860	3771060	2.74E-08
664	374880	3771060	2.63E-08
665	374900	3771060	2.46E-08
666	374920	3771060	2.33E-08
667	374940	3771060	2.23E-08
668	374960	3771060	2.13E-08
669	374860	3771080	3.09E-08
670	374880	3771080	2.92E-08
671	374900	3771080	2.76E-08
672	374920	3771080	2.59E-08
673	374940	3771080	2.45E-08
674	374960	3771080	2.33E-08
675	374860	3771100	3.54E-08
676	374880	3771100	3.28E-08
677	374900	3771100	3.06E-08
678	374920	3771100	2.89E-08
679	374940	3771100	2.71E-08
680	374960	3771100	2.56E-08
681	374860	3771120	4.11E-08
682	374880	3771120	3.73E-08
683	374900	3771120	3.44E-08
684	374920	3771120	3.21E-08
685	374940	3771120	3.02E-08
686	374960	3771120	2.86E-08
687	374860	3771140	4.84E-08
688	374880	3771140	4.27E-08
689	374900	3771140	3.88E-08
690	374920	3771140	3.59E-08
691	374940	3771140	3.34E-08
692	374960	3771140	3.15E-08
693	374860	3771160	5.77E-08
694	374880	3771160	4.97E-08
695	374900	3771160	4.41E-08
696	374920	3771160	4.02E-08
697	374940	3771160	3.72E-08
698	374960	3771160	3.47E-08
699	374860	3771180	6.86E-08
700	374880	3771180	5.76E-08
701	374900	3771180	5.06E-08
702	374920	3771180	4.57E-08
703	374940	3771180	4.16E-08
704	374960	3771180	3.85E-08
705	374860	3771200	8.28E-08
706	374880	3771200	6.72E-08
707	374900	3771200	5.77E-08
708	374920	3771200	5.14E-08
709	374940	3771200	4.65E-08
710	374960	3771200	4.25E-08
711	374860	3771220	1.01E-07

No.	X	Y	Risk
633	374440	3770720	4.50E-08
634	374460	3770720	4.45E-08
635	374480	3770720	4.37E-08
636	374500	3770720	4.28E-08
637	374520	3770720	4.17E-08
638	374540	3770720	4.07E-08
639	374560	3770720	3.96E-08
640	374580	3770720	3.85E-08
641	374400	3770740	4.67E-08
642	374420	3770740	4.70E-08
643	374440	3770740	4.70E-08
644	374460	3770740	4.69E-08
645	374480	3770740	4.63E-08
646	374500	3770740	4.55E-08
647	374520	3770740	4.47E-08
648	374540	3770740	4.35E-08
649	374560	3770740	4.25E-08
650	374580	3770740	4.14E-08
651	374860	3771020	8.87E-08
652	374880	3771020	8.50E-08
653	374900	3771020	8.15E-08
654	374920	3771020	7.82E-08
655	374940	3771020	7.54E-08
656	374960	3771020	7.29E-08
657	374860	3771040	9.89E-08
658	374880	3771040	9.42E-08
659	374900	3771040	8.98E-08
660	374920	3771040	8.56E-08
661	374940	3771040	8.25E-08
662	374960	3771040	7.95E-08
663	374860	3771060	1.10E-07
664	374880	3771060	1.06E-07
665	374900	3771060	9.96E-08
666	374920	3771060	9.44E-08
667	374940	3771060	9.03E-08
668	374960	3771060	8.65E-08
669	374860	3771080	1.23E-07
670	374880	3771080	1.17E-07
671	374900	3771080	1.11E-07
672	374920	3771080	1.05E-07
673	374940	3771080	9.93E-08
674	374960	3771080	9.47E-08
675	374860	3771100	1.41E-07
676	374880	3771100	1.31E-07
677	374900	3771100	1.23E-07
678	374920	3771100	1.17E-07
679	374940	3771100	1.10E-07
680	374960	3771100	1.04E-07
681	374860	3771120	1.62E-07
682	374880	3771120	1.49E-07
683	374900	3771120	1.38E-07
684	374920	3771120	1.30E-07
685	374940	3771120	1.22E-07
686	374960	3771120	1.16E-07
687	374860	3771140	1.89E-07
688	374880	3771140	1.70E-07
689	374900	3771140	1.55E-07
690	374920	3771140	1.44E-07
691	374940	3771140	1.35E-07
692	374960	3771140	1.28E-07
693	374860	3771160	2.25E-07
694	374880	3771160	1.97E-07
695	374900	3771160	1.76E-07
696	374920	3771160	1.62E-07
697	374940	3771160	1.50E-07
698	374960	3771160	1.40E-07
699	374860	3771180	2.68E-07
700	374880	3771180	2.28E-07
701	374900	3771180	2.02E-07
702	374920	3771180	1.84E-07
703	374940	3771180	1.68E-07
704	374960	3771180	1.56E-07
705	374860	3771200	3.26E-07
706	374880	3771200	2.68E-07
707	374900	3771200	2.31E-07
708	374920	3771200	2.07E-07
709	374940	3771200	1.88E-07
710	374960	3771200	1.72E-07
711	374860	3771220	4.02E-07

Television City

Cancer Risk by Receptor - Project Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
712	374880	3771220	1.13E-06
713	374900	3771220	9.41E-07
714	374920	3771220	8.16E-07
715	374940	3771220	7.30E-07
716	374960	3771220	6.61E-07
717	374860	3771240	1.68E-06
718	374880	3771240	1.25E-06
719	374900	3771240	1.03E-06
720	374920	3771240	8.89E-07
721	374940	3771240	7.88E-07
722	374960	3771240	7.16E-07
723	374860	3771260	1.70E-06
724	374880	3771260	1.30E-06
725	374900	3771260	1.08E-06
726	374920	3771260	9.36E-07
727	374940	3771260	8.30E-07
728	374960	3771260	7.54E-07
729	374860	3771280	1.58E-06
730	374880	3771280	1.29E-06
731	374900	3771280	1.10E-06
732	374920	3771280	9.58E-07
733	374940	3771280	8.54E-07
734	374960	3771280	7.76E-07
735	374390	3771175	7.09E-07
736	374410	3771175	9.84E-07
737	374430	3771175	1.12E-06
738	374450	3771175	1.26E-06
739	374470	3771175	1.36E-06
740	374490	3771175	1.39E-06
741	374510	3771175	1.46E-06
742	374530	3771175	1.55E-06
743	374550	3771175	1.66E-06
744	374570	3771175	1.76E-06
745	374590	3771175	1.87E-06
746	374610	3771175	2.02E-06
747	374630	3771175	2.11E-06
748	374650	3771175	2.12E-06
749	374670	3771130	9.28E-07
750	374690	3771130	9.31E-07
751	374710	3771130	9.52E-07
752	374730	3771130	9.79E-07
753	374750	3771130	1.02E-06
754	374770	3771130	1.03E-06
755	374790	3771130	9.95E-07
756	374810	3771130	9.23E-07
757	374830	3771130	8.12E-07
758	374765	3771270	4.62E-06
759	374775	3771270	4.25E-06
760	374785	3771270	3.99E-06
761	374795	3771270	3.80E-06
762	374805	3771270	3.53E-06
763	374815	3771270	3.18E-06
764	374825	3771270	2.80E-06
765	374835	3771270	2.44E-06
766	374845	3771270	2.11E-06
767	374765	3771280	4.23E-06
768	374775	3771280	3.59E-06
769	374785	3771280	3.27E-06
770	374795	3771280	3.05E-06
771	374805	3771280	2.85E-06
772	374815	3771280	2.63E-06
773	374825	3771280	2.40E-06
774	374835	3771280	2.16E-06
775	374845	3771280	1.94E-06
776	374765	3771290	3.95E-06
777	374775	3771290	3.25E-06
778	374765	3771300	3.81E-06
779	374775	3771300	3.06E-06
780	374765	3771310	3.74E-06
781	374775	3771310	2.96E-06
782	374765	3771320	3.60E-06
783	374775	3771320	2.83E-06
784	374765	3771330	3.49E-06
785	374775	3771330	2.71E-06
786	374765	3771340	3.39E-06
787	374775	3771340	2.63E-06
788	374765	3771350	3.32E-06
789	374775	3771350	2.55E-06
790	374765	3771360	3.28E-06

No.	X	Y	Risk
712	374880	3771220	7.83E-08
713	374900	3771220	6.53E-08
714	374920	3771220	5.67E-08
715	374940	3771220	5.07E-08
716	374960	3771220	4.60E-08
717	374860	3771240	1.17E-07
718	374880	3771240	8.68E-08
719	374900	3771240	7.13E-08
720	374920	3771240	6.18E-08
721	374940	3771240	5.48E-08
722	374960	3771240	4.98E-08
723	374860	3771260	1.18E-07
724	374880	3771260	9.03E-08
725	374900	3771260	7.52E-08
726	374920	3771260	6.51E-08
727	374940	3771260	5.77E-08
728	374960	3771260	5.24E-08
729	374860	3771280	1.10E-07
730	374880	3771280	8.96E-08
731	374900	3771280	7.63E-08
732	374920	3771280	6.66E-08
733	374940	3771280	5.94E-08
734	374960	3771280	5.40E-08
735	374390	3771175	4.93E-08
736	374410	3771175	6.83E-08
737	374430	3771175	7.79E-08
738	374450	3771175	8.78E-08
739	374470	3771175	9.46E-08
740	374490	3771175	9.64E-08
741	374510	3771175	1.02E-07
742	374530	3771175	1.08E-07
743	374550	3771175	1.15E-07
744	374570	3771175	1.22E-07
745	374590	3771175	1.30E-07
746	374610	3771175	1.41E-07
747	374630	3771175	1.47E-07
748	374650	3771175	1.48E-07
749	374670	3771130	6.44E-08
750	374690	3771130	6.46E-08
751	374710	3771130	6.59E-08
752	374730	3771130	6.74E-08
753	374750	3771130	6.96E-08
754	374770	3771130	7.02E-08
755	374790	3771130	6.76E-08
756	374810	3771130	6.27E-08
757	374830	3771130	5.54E-08
758	374765	3771270	3.22E-07
759	374775	3771270	2.95E-07
760	374785	3771270	2.78E-07
761	374795	3771270	2.64E-07
762	374805	3771270	2.46E-07
763	374815	3771270	2.21E-07
764	374825	3771270	1.95E-07
765	374835	3771270	1.69E-07
766	374845	3771270	1.47E-07
767	374765	3771280	2.94E-07
768	374775	3771280	2.50E-07
769	374785	3771280	2.27E-07
770	374795	3771280	2.12E-07
771	374805	3771280	1.98E-07
772	374815	3771280	1.83E-07
773	374825	3771280	1.67E-07
774	374835	3771280	1.50E-07
775	374845	3771280	1.35E-07
776	374765	3771290	2.75E-07
777	374775	3771290	2.26E-07
778	374765	3771300	2.65E-07
779	374775	3771300	2.13E-07
780	374765	3771310	2.60E-07
781	374775	3771310	2.06E-07
782	374765	3771320	2.51E-07
783	374775	3771320	1.97E-07
784	374765	3771330	2.43E-07
785	374775	3771330	1.89E-07
786	374765	3771340	2.36E-07
787	374775	3771340	1.83E-07
788	374765	3771350	2.31E-07
789	374775	3771350	1.78E-07
790	374765	3771360	2.28E-07

No.	X	Y	Risk
712	374880	3771220	3.14E-07
713	374900	3771220	2.63E-07
714	374920	3771220	2.29E-07
715	374940	3771220	2.05E-07
716	374960	3771220	1.86E-07
717	374860	3771240	4.68E-07
718	374880	3771240	3.49E-07
719	374900	3771240	2.88E-07
720	374920	3771240	2.50E-07
721	374940	3771240	2.22E-07
722	374960	3771240	2.02E-07
723	374860	3771260	4.76E-07
724	374880	3771260	3.65E-07
725	374900	3771260	3.04E-07
726	374920	3771260	2.64E-07
727	374940	3771260	2.34E-07
728	374960	3771260	2.13E-07
729	374860	3771280	4.46E-07
730	374880	3771280	3.63E-07
731	374900	3771280	3.09E-07
732	374920	3771280	2.70E-07
733	374940	3771280	2.41E-07
734	374960	3771280	2.20E-07
735	374390	3771175	2.00E-07
736	374410	3771175	2.76E-07
737	374430	3771175	3.14E-07
738	374450	3771175	3.55E-07
739	374470	3771175	3.82E-07
740	374490	3771175	3.89E-07
741	374510	3771175	4.10E-07
742	374530	3771175	4.36E-07
743	374550	3771175	4.66E-07
744	374570	3771175	4.95E-07
745	374590	3771175	5.28E-07
746	374610	3771175	5.70E-07
747	374630	3771175	5.95E-07
748	374650	3771175	5.98E-07
749	374670	3771130	2.60E-07
750	374690	3771130	2.60E-07
751	374710	3771130	2.63E-07
752	374730	3771130	2.64E-07
753	374750	3771130	2.66E-07
754	374770	3771130	2.63E-07
755	374790	3771130	2.51E-07
756	374810	3771130	2.34E-07
757	374830	3771130	2.11E-07
758	374765	3771270	1.31E-06
759	374775	3771270	1.20E-06
760	374785	3771270	1.12E-06
761	374795	3771270	1.07E-06
762	374805	3771270	9.93E-07
763	374815	3771270	8.94E-07
764	374825	3771270	7.86E-07
765	374835	3771270	6.83E-07
766	374845	3771270	5.92E-07
767	374765	3771280	1.20E-06
768	374775	3771280	1.01E-06
769	374785	3771280	9.21E-07
770	374795	3771280	8.60E-07
771	374805	3771280	8.02E-07
772	374815	3771280	7.40E-07
773	374825	3771280	6.74E-07
774	374835	3771280	6.07E-07
775	374845	3771280	5.44E-07
776	374765	3771290	1.12E-06
777	374775	3771290	9.19E-07
778	374765	3771300	1.08E-06
779	374775	3771300	8.67E-07
780	374765	3771310	1.06E-06
781	374775	3771310	8.39E-07
782	374765	3771320	1.02E-06
783	374775	3771320	8.03E-07
784	374765	3771330	9.92E-07
785	374775	3771330	7.70E-07
786	374765	3771340	9.64E-07
787	374775	3771340	7.46E-07
788	374765	3771350	9.43E-07
789	374775	3771350	7.25E-07
790	374765	3771360	9.32E-07

Television City

Cancer Risk by Receptor - Project Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
791	374775	3771360	2.52E-06
792	374765	3771370	3.41E-06
793	374775	3771370	2.55E-06
794	374765	3771380	3.21E-06
795	374775	3771380	2.51E-06
796	374765	3771390	3.05E-06
797	374775	3771390	2.32E-06
798	374765	3771400	2.97E-06
799	374775	3771400	2.22E-06
800	374765	3771410	2.83E-06
801	374775	3771410	2.09E-06
802	374400	3770680	1.50E-07
803	374420	3770680	1.48E-07
804	374440	3770680	1.46E-07
805	374460	3770680	1.43E-07
806	374480	3770680	1.39E-07
807	374500	3770680	1.35E-07
808	374520	3770680	1.31E-07
809	374540	3770680	1.28E-07
810	374560	3770680	1.23E-07
811	374580	3770680	1.20E-07
812	374400	3770700	1.56E-07
813	374420	3770700	1.55E-07
814	374440	3770700	1.54E-07
815	374460	3770700	1.51E-07
816	374480	3770700	1.47E-07
817	374500	3770700	1.44E-07
818	374520	3770700	1.40E-07
819	374540	3770700	1.36E-07
820	374560	3770700	1.32E-07
821	374580	3770700	1.28E-07
822	374400	3770720	1.62E-07
823	374420	3770720	1.62E-07
824	374440	3770720	1.61E-07
825	374460	3770720	1.59E-07
826	374480	3770720	1.56E-07
827	374500	3770720	1.53E-07
828	374520	3770720	1.49E-07
829	374540	3770720	1.45E-07
830	374560	3770720	1.41E-07
831	374580	3770720	1.37E-07
832	374400	3770740	1.67E-07
833	374420	3770740	1.68E-07
834	374440	3770740	1.68E-07
835	374460	3770740	1.67E-07
836	374480	3770740	1.65E-07
837	374500	3770740	1.62E-07
838	374520	3770740	1.59E-07
839	374540	3770740	1.55E-07
840	374560	3770740	1.51E-07
841	374580	3770740	1.47E-07
842	374765	3771270	2.23E-06
843	374775	3771270	2.14E-06
844	374785	3771270	2.04E-06
845	374795	3771270	1.97E-06
846	374805	3771270	1.91E-06
847	374815	3771270	1.84E-06
848	374825	3771270	1.76E-06
849	374835	3771270	1.67E-06
850	374845	3771270	1.58E-06
851	374765	3771280	2.17E-06
852	374775	3771280	2.09E-06
853	374785	3771280	2.00E-06
854	374795	3771280	1.93E-06
855	374805	3771280	1.86E-06
856	374815	3771280	1.79E-06
857	374825	3771280	1.71E-06
858	374835	3771280	1.62E-06
859	374845	3771280	1.53E-06
860	374765	3771290	2.13E-06
861	374775	3771290	2.03E-06
862	374765	3771300	2.23E-06
863	374775	3771300	2.02E-06
864	374765	3771310	2.45E-06
865	374775	3771310	2.06E-06
866	374765	3771320	2.17E-06
867	374775	3771320	1.91E-06
868	374765	3771330	1.98E-06
869	374775	3771330	1.79E-06

No.	X	Y	Risk
791	374775	3771360	1.76E-07
792	374765	3771370	2.38E-07
793	374775	3771370	1.78E-07
794	374765	3771380	2.24E-07
795	374775	3771380	1.75E-07
796	374765	3771390	2.13E-07
797	374775	3771390	1.61E-07
798	374765	3771400	2.07E-07
799	374775	3771400	1.54E-07
800	374765	3771410	1.97E-07
801	374775	3771410	1.45E-07
802	374400	3770680	1.04E-08
803	374420	3770680	1.04E-08
804	374440	3770680	1.02E-08
805	374460	3770680	9.96E-09
806	374480	3770680	9.73E-09
807	374500	3770680	9.45E-09
808	374520	3770680	9.16E-09
809	374540	3770680	8.92E-09
810	374560	3770680	8.62E-09
811	374580	3770680	8.37E-09
812	374400	3770700	1.09E-08
813	374420	3770700	1.08E-08
814	374440	3770700	1.07E-08
815	374460	3770700	1.05E-08
816	374480	3770700	1.03E-08
817	374500	3770700	1.00E-08
818	374520	3770700	9.76E-09
819	374540	3770700	9.50E-09
820	374560	3770700	9.23E-09
821	374580	3770700	8.91E-09
822	374400	3770720	1.13E-08
823	374420	3770720	1.13E-08
824	374440	3770720	1.12E-08
825	374460	3770720	1.11E-08
826	374480	3770720	1.09E-08
827	374500	3770720	1.07E-08
828	374520	3770720	1.04E-08
829	374540	3770720	1.01E-08
830	374560	3770720	9.85E-09
831	374580	3770720	9.55E-09
832	374400	3770740	1.17E-08
833	374420	3770740	1.17E-08
834	374440	3770740	1.17E-08
835	374460	3770740	1.17E-08
836	374480	3770740	1.15E-08
837	374500	3770740	1.13E-08
838	374520	3770740	1.11E-08
839	374540	3770740	1.08E-08
840	374560	3770740	1.06E-08
841	374580	3770740	1.03E-08
842	374765	3771270	1.55E-07
843	374775	3771270	1.49E-07
844	374785	3771270	1.42E-07
845	374795	3771270	1.37E-07
846	374805	3771270	1.32E-07
847	374815	3771270	1.28E-07
848	374825	3771270	1.23E-07
849	374835	3771270	1.16E-07
850	374845	3771270	1.09E-07
851	374765	3771280	1.51E-07
852	374775	3771280	1.46E-07
853	374785	3771280	1.39E-07
854	374795	3771280	1.34E-07
855	374805	3771280	1.29E-07
856	374815	3771280	1.24E-07
857	374825	3771280	1.19E-07
858	374835	3771280	1.13E-07
859	374845	3771280	1.07E-07
860	374765	3771290	1.48E-07
861	374775	3771290	1.42E-07
862	374765	3771300	1.55E-07
863	374775	3771300	1.40E-07
864	374765	3771310	1.71E-07
865	374775	3771310	1.44E-07
866	374765	3771320	1.51E-07
867	374775	3771320	1.33E-07
868	374765	3771330	1.38E-07
869	374775	3771330	1.25E-07

No.	X	Y	Risk
791	374775	3771360	7.17E-07
792	374765	3771370	9.71E-07
793	374775	3771370	7.25E-07
794	374765	3771380	9.13E-07
795	374775	3771380	7.13E-07
796	374765	3771390	8.68E-07
797	374775	3771390	6.59E-07
798	374765	3771400	8.44E-07
799	374775	3771400	6.30E-07
800	374765	3771410	8.05E-07
801	374775	3771410	5.93E-07
802	374400	3770680	4.30E-08
803	374420	3770680	4.26E-08
804	374440	3770680	4.19E-08
805	374460	3770680	4.09E-08
806	374480	3770680	4.00E-08
807	374500	3770680	3.88E-08
808	374520	3770680	3.76E-08
809	374540	3770680	3.66E-08
810	374560	3770680	3.53E-08
811	374580	3770680	3.43E-08
812	374400	3770700	4.47E-08
813	374420	3770700	4.45E-08
814	374440	3770700	4.41E-08
815	374460	3770700	4.32E-08
816	374480	3770700	4.23E-08
817	374500	3770700	4.13E-08
818	374520	3770700	4.01E-08
819	374540	3770700	3.90E-08
820	374560	3770700	3.79E-08
821	374580	3770700	3.65E-08
822	374400	3770720	4.64E-08
823	374420	3770720	4.64E-08
824	374440	3770720	4.61E-08
825	374460	3770720	4.56E-08
826	374480	3770720	4.47E-08
827	374500	3770720	4.38E-08
828	374520	3770720	4.27E-08
829	374540	3770720	4.16E-08
830	374560	3770720	4.04E-08
831	374580	3770720	3.92E-08
832	374400	3770740	4.81E-08
833	374420	3770740	4.82E-08
834	374440	3770740	4.82E-08
835	374460	3770740	4.80E-08
836	374480	3770740	4.74E-08
837	374500	3770740	4.65E-08
838	374520	3770740	4.56E-08
839	374540	3770740	4.44E-08
840	374560	3770740	4.33E-08
841	374580	3770740	4.20E-08
842	374765	3771270	6.30E-07
843	374775	3771270	6.03E-07
844	374785	3771270	5.74E-07
845	374795	3771270	5.54E-07
846	374805	3771270	5.35E-07
847	374815	3771270	5.17E-07
848	374825	3771270	4.95E-07
849	374835	3771270	4.68E-07
850	374845	3771270	4.42E-07
851	374765	3771280	6.13E-07
852	374775	3771280	5.91E-07
853	374785	3771280	5.64E-07
854	374795	3771280	5.43E-07
855	374805	3771280	5.23E-07
856	374815	3771280	5.03E-07
857	374825	3771280	4.81E-07
858	374835	3771280	4.56E-07
859	374845	3771280	4.31E-07
860	374765	3771290	6.04E-07
861	374775	3771290	5.76E-07
862	374765	3771300	6.34E-07
863	374775	3771300	5.72E-07
864	374765	3771310	6.98E-07
865	374775	3771310	5.86E-07
866	374765	3771320	6.17E-07
867	374775	3771320	5.42E-07
868	374765	3771330	5.63E-07
869	374775	3771330	5.08E-07

Television City

Cancer Risk by Receptor - Project Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk	No.	X	Y	Risk	No.	X	Y	Risk
870	374765	3771340	1.82E-06	870	374765	3771340	1.27E-07	870	374765	3771340	5.18E-07
871	374775	3771340	1.71E-06	871	374775	3771340	1.19E-07	871	374775	3771340	4.86E-07
872	374765	3771350	1.74E-06	872	374765	3771350	1.22E-07	872	374765	3771350	4.96E-07
873	374775	3771350	1.65E-06	873	374775	3771350	1.15E-07	873	374775	3771350	4.70E-07
874	374765	3771360	1.83E-06	874	374765	3771360	1.27E-07	874	374765	3771360	5.20E-07
875	374775	3771360	1.68E-06	875	374775	3771360	1.17E-07	875	374775	3771360	4.78E-07
876	374765	3771370	2.26E-06	876	374765	3771370	1.58E-07	876	374765	3771370	6.47E-07
877	374775	3771370	1.80E-06	877	374775	3771370	1.25E-07	877	374775	3771370	5.12E-07
878	374765	3771380	1.83E-06	878	374765	3771380	1.28E-07	878	374765	3771380	5.22E-07
879	374775	3771380	1.76E-06	879	374775	3771380	1.23E-07	879	374775	3771380	5.01E-07
880	374765	3771390	1.57E-06	880	374765	3771390	1.09E-07	880	374765	3771390	4.45E-07
881	374775	3771390	1.50E-06	881	374775	3771390	1.05E-07	881	374775	3771390	4.27E-07
882	374765	3771400	1.61E-06	882	374765	3771400	1.12E-07	882	374765	3771400	4.59E-07
883	374775	3771400	1.46E-06	883	374775	3771400	1.02E-07	883	374775	3771400	4.16E-07
884	374765	3771410	1.78E-06	884	374765	3771410	1.24E-07	884	374765	3771410	5.09E-07
885	374775	3771410	1.45E-06	885	374775	3771410	1.01E-07	885	374775	3771410	4.14E-07
886	374400	3770680	1.47E-07	886	374400	3770680	1.03E-08	886	374400	3770680	4.23E-08
887	374420	3770680	1.46E-07	887	374420	3770680	1.02E-08	887	374420	3770680	4.18E-08
888	374440	3770680	1.43E-07	888	374440	3770680	9.99E-09	888	374440	3770680	4.11E-08
889	374460	3770680	1.40E-07	889	374460	3770680	9.76E-09	889	374460	3770680	4.01E-08
890	374480	3770680	1.36E-07	890	374480	3770680	9.52E-09	890	374480	3770680	3.91E-08
891	374500	3770680	1.32E-07	891	374500	3770680	9.23E-09	891	374500	3770680	3.79E-08
892	374520	3770680	1.28E-07	892	374520	3770680	8.94E-09	892	374520	3770680	3.67E-08
893	374540	3770680	1.25E-07	893	374540	3770680	8.69E-09	893	374540	3770680	3.57E-08
894	374560	3770680	1.20E-07	894	374560	3770680	8.37E-09	894	374560	3770680	3.43E-08
895	374580	3770680	1.16E-07	895	374580	3770680	8.10E-09	895	374580	3770680	3.32E-08
896	374400	3770700	1.53E-07	896	374400	3770700	1.07E-08	896	374400	3770700	4.40E-08
897	374420	3770700	1.52E-07	897	374420	3770700	1.06E-08	897	374420	3770700	4.36E-08
898	374440	3770700	1.50E-07	898	374440	3770700	1.05E-08	898	374440	3770700	4.32E-08
899	374460	3770700	1.47E-07	899	374460	3770700	1.03E-08	899	374460	3770700	4.23E-08
900	374480	3770700	1.44E-07	900	374480	3770700	1.01E-08	900	374480	3770700	4.13E-08
901	374500	3770700	1.40E-07	901	374500	3770700	9.80E-09	901	374500	3770700	4.03E-08
902	374520	3770700	1.36E-07	902	374520	3770700	9.52E-09	902	374520	3770700	3.91E-08
903	374540	3770700	1.32E-07	903	374540	3770700	9.24E-09	903	374540	3770700	3.79E-08
904	374560	3770700	1.28E-07	904	374560	3770700	8.96E-09	904	374560	3770700	3.68E-08
905	374580	3770700	1.24E-07	905	374580	3770700	8.63E-09	905	374580	3770700	3.54E-08
906	374400	3770720	1.59E-07	906	374400	3770720	1.11E-08	906	374400	3770720	4.57E-08
907	374420	3770720	1.59E-07	907	374420	3770720	1.11E-08	907	374420	3770720	4.55E-08
908	374440	3770720	1.57E-07	908	374440	3770720	1.10E-08	908	374440	3770720	4.51E-08
909	374460	3770720	1.55E-07	909	374460	3770720	1.09E-08	909	374460	3770720	4.46E-08
910	374480	3770720	1.52E-07	910	374480	3770720	1.06E-08	910	374480	3770720	4.37E-08
911	374500	3770720	1.49E-07	911	374500	3770720	1.04E-08	911	374500	3770720	4.27E-08
912	374520	3770720	1.45E-07	912	374520	3770720	1.01E-08	912	374520	3770720	4.16E-08
913	374540	3770720	1.41E-07	913	374540	3770720	9.86E-09	913	374540	3770720	4.05E-08
914	374560	3770720	1.37E-07	914	374560	3770720	9.55E-09	914	374560	3770720	3.92E-08
915	374580	3770720	1.33E-07	915	374580	3770720	9.25E-09	915	374580	3770720	3.79E-08
916	374400	3770740	1.64E-07	916	374400	3770740	1.15E-08	916	374400	3770740	4.72E-08
917	374420	3770740	1.65E-07	917	374420	3770740	1.15E-08	917	374420	3770740	4.73E-08
918	374440	3770740	1.64E-07	918	374440	3770740	1.15E-08	918	374440	3770740	4.72E-08
919	374460	3770740	1.64E-07	919	374460	3770740	1.14E-08	919	374460	3770740	4.69E-08
920	374480	3770740	1.61E-07	920	374480	3770740	1.13E-08	920	374480	3770740	4.63E-08
921	374500	3770740	1.58E-07	921	374500	3770740	1.10E-08	921	374500	3770740	4.53E-08
922	374520	3770740	1.55E-07	922	374520	3770740	1.08E-08	922	374520	3770740	4.43E-08
923	374540	3770740	1.50E-07	923	374540	3770740	1.05E-08	923	374540	3770740	4.31E-08
924	374560	3770740	1.47E-07	924	374560	3770740	1.02E-08	924	374560	3770740	4.20E-08
925	374580	3770740	1.42E-07	925	374580	3770740	9.93E-09	925	374580	3770740	4.07E-08
926	374400	3770700	1.52E-07	926	374400	3770700	1.06E-08	926	374400	3770700	4.36E-08
927	374500	3770700	1.40E-07	927	374500	3770700	9.80E-09	927	374500	3770700	4.02E-08
928	374400	3770700	1.56E-07	928	374400	3770700	1.09E-08	928	374400	3770700	4.47E-08
929	374500	3770700	1.44E-07	929	374500	3770700	1.00E-08	929	374500	3770700	4.13E-08
930	374400	3770700	1.53E-07	930	374400	3770700	1.07E-08	930	374400	3770700	4.40E-08
931	374500	3770700	1.40E-07	931	374500	3770700	9.80E-09	931	374500	3770700	4.03E-08
932	373900	3770500	7.02E-08	932	373900	3770500	4.90E-09	932	373900	3770500	2.02E-08
933	373950	3770500	7.74E-08	933	373950	3770500	5.41E-09	933	373950	3770500	2.23E-08
934	374000	3770500	8.54E-08	934	374000	3770500	5.97E-09	934	374000	3770500	2.46E-08
935	374050	3770500	9.27E-08	935	374050	3770500	6.47E-09	935	374050	3770500	2.67E-08
936	374100	3770500	9.98E-08	936	374100	3770500	6.97E-09	936	374100	3770500	2.88E-08
937	374150	3770500	1.06E-07	937	374150	3770500	7.40E-09	937	374150	3770500	3.05E-08
938	374200	3770500	1.10E-07	938	374200	3770500	7.72E-09	938	374200	3770500	3.18E-08
939	374250	3770500	1.13E-07	939	374250	3770500	7.87E-09	939	374250	3770500	3.25E-08
940	374300	3770500	1.11E-07	940	374300	3770500	7.75E-09	940	374300	3770500	3.19E-08
941	374350	3770500	1.05E-07	941	374350	3770500	7.33E-09	941	374350	3770500	3.02E-08
942	374400	3770500	9.68E-08	942	374400	3770500	6.76E-09	942	374400	3770500	2.78E-08
943	374450	3770500	8.74E-08	943	374450	3770500	6.10E-09	943	374450	3770500	2.51E-08
944	374500	3770500	8.12E-08	944	374500	3770500	5.67E-09	944	374500	3770500	2.33E-08
945	374550	3770500	7.74E-08	945	374550	3770500	5.40E-09	945	374550	3770500	2.22E-08
946	374600	3770500	7.53E-08	946	374600	3770500	5.25E-09	946	374600	3770500	2.16E-08
947	374650	3770500	7.49E-08	947	374650	3770500	5.23E-09	947	374650	3770500	2.14E-08
948	374700	3770500	7.51E-08	948	374700	3770500	5.24E-09	948	374700	3770500	2.15E-08

Television City

Cancer Risk by Receptor - Project Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
949	374750	3770500	7.57E-08
950	374800	3770500	7.68E-08
951	374850	3770500	7.77E-08
952	374900	3770500	7.86E-08
953	374950	3770500	7.80E-08
954	375000	3770500	7.69E-08
955	375050	3770500	7.50E-08
956	375100	3770500	7.29E-08
957	375150	3770500	7.10E-08
958	375200	3770500	6.85E-08
959	375250	3770500	6.62E-08
960	375300	3770500	6.36E-08
961	375350	3770500	6.12E-08
962	375400	3770500	5.83E-08
963	373900	3770550	6.78E-08
964	373950	3770550	7.47E-08
965	374000	3770550	8.29E-08
966	374050	3770550	9.14E-08
967	374100	3770550	9.90E-08
968	374150	3770550	1.07E-07
969	374200	3770550	1.14E-07
970	374250	3770550	1.20E-07
971	374300	3770550	1.20E-07
972	374350	3770550	1.16E-07
973	374400	3770550	1.08E-07
974	374450	3770550	9.95E-08
975	374500	3770550	9.08E-08
976	374550	3770550	8.62E-08
977	374600	3770550	8.28E-08
978	374650	3770550	8.25E-08
979	374700	3770550	8.27E-08
980	374750	3770550	8.31E-08
981	374800	3770550	8.41E-08
982	374850	3770550	8.52E-08
983	374900	3770550	8.56E-08
984	374950	3770550	8.47E-08
985	375000	3770550	8.27E-08
986	375050	3770550	8.07E-08
987	375100	3770550	7.85E-08
988	375150	3770550	7.58E-08
989	375200	3770550	7.32E-08
990	375250	3770550	7.08E-08
991	375300	3770550	6.79E-08
992	375350	3770550	6.50E-08
993	375400	3770550	6.21E-08
994	373900	3770600	6.59E-08
995	373950	3770600	7.20E-08
996	374000	3770600	7.98E-08
997	374050	3770600	8.88E-08
998	374100	3770600	9.78E-08
999	374150	3770600	1.06E-07
1000	374200	3770600	1.16E-07
1001	374250	3770600	1.23E-07
1002	374300	3770600	1.28E-07
1003	374350	3770600	1.27E-07
1004	374400	3770600	1.22E-07
1005	374450	3770600	1.14E-07
1006	374500	3770600	1.04E-07
1007	374550	3770600	9.68E-08
1008	374600	3770600	9.32E-08
1009	374650	3770600	9.17E-08
1010	374700	3770600	9.14E-08
1011	374750	3770600	9.18E-08
1012	374800	3770600	9.29E-08
1013	374850	3770600	9.39E-08
1014	374900	3770600	9.37E-08
1015	374950	3770600	9.21E-08
1016	375000	3770600	8.99E-08
1017	375050	3770600	8.71E-08
1018	375100	3770600	8.45E-08
1019	375150	3770600	8.17E-08
1020	375200	3770600	7.89E-08
1021	375250	3770600	7.58E-08
1022	375300	3770600	7.26E-08
1023	375350	3770600	6.91E-08
1024	375400	3770600	6.61E-08
1025	373900	3770650	6.42E-08
1026	373950	3770650	6.99E-08
1027	374000	3770650	7.74E-08

No.	X	Y	Risk
949	374750	3770500	5.28E-09
950	374800	3770500	5.36E-09
951	374850	3770500	5.42E-09
952	374900	3770500	5.48E-09
953	374950	3770500	5.44E-09
954	375000	3770500	5.37E-09
955	375050	3770500	5.23E-09
956	375100	3770500	5.09E-09
957	375150	3770500	4.96E-09
958	375200	3770500	4.78E-09
959	375250	3770500	4.62E-09
960	375300	3770500	4.44E-09
961	375350	3770500	4.27E-09
962	375400	3770500	4.07E-09
963	373900	3770550	4.73E-09
964	373950	3770550	5.21E-09
965	374000	3770550	5.79E-09
966	374050	3770550	6.39E-09
967	374100	3770550	6.92E-09
968	374150	3770550	7.47E-09
969	374200	3770550	7.96E-09
970	374250	3770550	8.36E-09
971	374300	3770550	8.38E-09
972	374350	3770550	8.09E-09
973	374400	3770550	7.57E-09
974	374450	3770550	6.94E-09
975	374500	3770550	6.33E-09
976	374550	3770550	6.01E-09
977	374600	3770550	5.78E-09
978	374650	3770550	5.75E-09
979	374700	3770550	5.77E-09
980	374750	3770550	5.79E-09
981	374800	3770550	5.87E-09
982	374850	3770550	5.95E-09
983	374900	3770550	5.97E-09
984	374950	3770550	5.91E-09
985	375000	3770550	5.77E-09
986	375050	3770550	5.63E-09
987	375100	3770550	5.48E-09
988	375150	3770550	5.29E-09
989	375200	3770550	5.11E-09
990	375250	3770550	4.94E-09
991	375300	3770550	4.74E-09
992	375350	3770550	4.54E-09
993	375400	3770550	4.33E-09
994	373900	3770600	4.60E-09
995	373950	3770600	5.03E-09
996	374000	3770600	5.57E-09
997	374050	3770600	6.20E-09
998	374100	3770600	6.83E-09
999	374150	3770600	7.42E-09
1000	374200	3770600	8.09E-09
1001	374250	3770600	8.60E-09
1002	374300	3770600	8.97E-09
1003	374350	3770600	8.90E-09
1004	374400	3770600	8.54E-09
1005	374450	3770600	7.93E-09
1006	374500	3770600	7.26E-09
1007	374550	3770600	6.75E-09
1008	374600	3770600	6.50E-09
1009	374650	3770600	6.39E-09
1010	374700	3770600	6.38E-09
1011	374750	3770600	6.40E-09
1012	374800	3770600	6.48E-09
1013	374850	3770600	6.55E-09
1014	374900	3770600	6.54E-09
1015	374950	3770600	6.43E-09
1016	375000	3770600	6.27E-09
1017	375050	3770600	6.08E-09
1018	375100	3770600	5.90E-09
1019	375150	3770600	5.70E-09
1020	375200	3770600	5.50E-09
1021	375250	3770600	5.29E-09
1022	375300	3770600	5.07E-09
1023	375350	3770600	4.83E-09
1024	375400	3770600	4.61E-09
1025	373900	3770650	4.48E-09
1026	373950	3770650	4.88E-09
1027	374000	3770650	5.40E-09

No.	X	Y	Risk
949	374750	3770500	2.17E-08
950	374800	3770500	2.20E-08
951	374850	3770500	2.23E-08
952	374900	3770500	2.25E-08
953	374950	3770500	2.24E-08
954	375000	3770500	2.21E-08
955	375050	3770500	2.15E-08
956	375100	3770500	2.09E-08
957	375150	3770500	2.04E-08
958	375200	3770500	1.97E-08
959	375250	3770500	1.90E-08
960	375300	3770500	1.83E-08
961	375350	3770500	1.76E-08
962	375400	3770500	1.67E-08
963	373900	3770550	1.95E-08
964	373950	3770550	2.15E-08
965	374000	3770550	2.38E-08
966	374050	3770550	2.63E-08
967	374100	3770550	2.85E-08
968	374150	3770550	3.08E-08
969	374200	3770550	3.28E-08
970	374250	3770550	3.44E-08
971	374300	3770550	3.45E-08
972	374350	3770550	3.33E-08
973	374400	3770550	3.11E-08
974	374450	3770550	2.85E-08
975	374500	3770550	2.60E-08
976	374550	3770550	2.47E-08
977	374600	3770550	2.37E-08
978	374650	3770550	2.36E-08
979	374700	3770550	2.36E-08
980	374750	3770550	2.38E-08
981	374800	3770550	2.41E-08
982	374850	3770550	2.44E-08
983	374900	3770550	2.45E-08
984	374950	3770550	2.43E-08
985	375000	3770550	2.37E-08
986	375050	3770550	2.31E-08
987	375100	3770550	2.25E-08
988	375150	3770550	2.18E-08
989	375200	3770550	2.10E-08
990	375250	3770550	2.03E-08
991	375300	3770550	1.95E-08
992	375350	3770550	1.87E-08
993	375400	3770550	1.78E-08
994	373900	3770600	1.89E-08
995	373950	3770600	2.07E-08
996	374000	3770600	2.29E-08
997	374050	3770600	2.55E-08
998	374100	3770600	2.81E-08
999	374150	3770600	3.05E-08
1000	374200	3770600	3.33E-08
1001	374250	3770600	3.54E-08
1002	374300	3770600	3.69E-08
1003	374350	3770600	3.66E-08
1004	374400	3770600	3.51E-08
1005	374450	3770600	3.26E-08
1006	374500	3770600	2.98E-08
1007	374550	3770600	2.77E-08
1008	374600	3770600	2.67E-08
1009	374650	3770600	2.62E-08
1010	374700	3770600	2.61E-08
1011	374750	3770600	2.63E-08
1012	374800	3770600	2.66E-08
1013	374850	3770600	2.69E-08
1014	374900	3770600	2.68E-08
1015	374950	3770600	2.64E-08
1016	375000	3770600	2.58E-08
1017	375050	3770600	2.50E-08
1018	375100	3770600	2.42E-08
1019	375150	3770600	2.34E-08
1020	375200	3770600	2.26E-08
1021	375250	3770600	2.18E-08
1022	375300	3770600	2.08E-08
1023	375350	3770600	1.99E-08
1024	375400	3770600	1.90E-08
1025	373900	3770650	1.84E-08
1026	373950	3770650	2.01E-08
1027	374000	3770650	2.22E-08

Television City

Cancer Risk by Receptor - Project Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
1028	374050	3770650	8.68E-08
1029	374100	3770650	9.63E-08
1030	374150	3770650	1.07E-07
1031	374200	3770650	1.17E-07
1032	374250	3770650	1.27E-07
1033	374300	3770650	1.35E-07
1034	374350	3770650	1.38E-07
1035	374400	3770650	1.37E-07
1036	374450	3770650	1.29E-07
1037	374500	3770650	1.20E-07
1038	374550	3770650	1.11E-07
1039	374600	3770650	1.06E-07
1040	374650	3770650	1.03E-07
1041	374700	3770650	1.02E-07
1042	374750	3770650	1.02E-07
1043	374800	3770650	1.03E-07
1044	374850	3770650	1.04E-07
1045	374900	3770650	1.03E-07
1046	374950	3770650	1.01E-07
1047	375000	3770650	9.76E-08
1048	375050	3770650	9.47E-08
1049	375100	3770650	9.12E-08
1050	375150	3770650	8.79E-08
1051	375200	3770650	8.48E-08
1052	375250	3770650	8.15E-08
1053	375300	3770650	7.76E-08
1054	375350	3770650	7.39E-08
1055	375400	3770650	6.99E-08
1056	373900	3770700	6.22E-08
1057	373950	3770700	6.81E-08
1058	374000	3770700	7.54E-08
1059	374050	3770700	8.41E-08
1060	374100	3770700	9.38E-08
1061	374150	3770700	1.06E-07
1062	374200	3770700	1.18E-07
1063	374250	3770700	1.29E-07
1064	374300	3770700	1.40E-07
1065	374350	3770700	1.48E-07
1066	374400	3770700	1.52E-07
1067	374450	3770700	1.49E-07
1068	374500	3770700	1.40E-07
1069	374550	3770700	1.31E-07
1070	374600	3770700	1.23E-07
1071	374650	3770700	1.18E-07
1072	374700	3770700	1.16E-07
1073	374750	3770700	1.16E-07
1074	374800	3770700	1.16E-07
1075	374850	3770700	1.15E-07
1076	374900	3770700	1.14E-07
1077	374950	3770700	1.10E-07
1078	375000	3770700	1.07E-07
1079	375050	3770700	1.03E-07
1080	375100	3770700	9.93E-08
1081	375150	3770700	9.55E-08
1082	375200	3770700	9.17E-08
1083	375250	3770700	8.74E-08
1084	375300	3770700	8.31E-08
1085	375350	3770700	7.88E-08
1086	375400	3770700	7.44E-08
1087	373900	3770750	6.06E-08
1088	373950	3770750	6.63E-08
1089	374000	3770750	7.37E-08
1090	374050	3770750	8.20E-08
1091	374100	3770750	9.23E-08
1092	374150	3770750	1.05E-07
1093	374200	3770750	1.19E-07
1094	374250	3770750	1.31E-07
1095	374300	3770750	1.45E-07
1096	374350	3770750	1.56E-07
1097	374400	3770750	1.65E-07
1098	374450	3770750	1.68E-07
1099	374500	3770750	1.64E-07
1100	374550	3770750	1.56E-07
1101	374600	3770750	1.46E-07
1102	374650	3770750	1.38E-07
1103	374700	3770750	1.34E-07
1104	374750	3770750	1.32E-07
1105	374800	3770750	1.31E-07
1106	374850	3770750	1.29E-07

No.	X	Y	Risk
1028	374050	3770650	6.06E-09
1029	374100	3770650	6.72E-09
1030	374150	3770650	7.48E-09
1031	374200	3770650	8.16E-09
1032	374250	3770650	8.84E-09
1033	374300	3770650	9.40E-09
1034	374350	3770650	9.64E-09
1035	374400	3770650	9.54E-09
1036	374450	3770650	9.04E-09
1037	374500	3770650	8.40E-09
1038	374550	3770650	7.75E-09
1039	374600	3770650	7.36E-09
1040	374650	3770650	7.18E-09
1041	374700	3770650	7.14E-09
1042	374750	3770650	7.14E-09
1043	374800	3770650	7.20E-09
1044	374850	3770650	7.23E-09
1045	374900	3770650	7.18E-09
1046	374950	3770650	7.02E-09
1047	375000	3770650	6.81E-09
1048	375050	3770650	6.61E-09
1049	375100	3770650	6.36E-09
1050	375150	3770650	6.14E-09
1051	375200	3770650	5.92E-09
1052	375250	3770650	5.69E-09
1053	375300	3770650	5.42E-09
1054	375350	3770650	5.16E-09
1055	375400	3770650	4.88E-09
1056	373900	3770700	4.34E-09
1057	373950	3770700	4.75E-09
1058	374000	3770700	5.26E-09
1059	374050	3770700	5.87E-09
1060	374100	3770700	6.55E-09
1061	374150	3770700	7.42E-09
1062	374200	3770700	8.21E-09
1063	374250	3770700	9.02E-09
1064	374300	3770700	9.75E-09
1065	374350	3770700	1.04E-08
1066	374400	3770700	1.06E-08
1067	374450	3770700	1.04E-08
1068	374500	3770700	9.80E-09
1069	374550	3770700	9.15E-09
1070	374600	3770700	8.56E-09
1071	374650	3770700	8.26E-09
1072	374700	3770700	8.10E-09
1073	374750	3770700	8.06E-09
1074	374800	3770700	8.09E-09
1075	374850	3770700	8.03E-09
1076	374900	3770700	7.93E-09
1077	374950	3770700	7.70E-09
1078	375000	3770700	7.46E-09
1079	375050	3770700	7.19E-09
1080	375100	3770700	6.93E-09
1081	375150	3770700	6.66E-09
1082	375200	3770700	6.40E-09
1083	375250	3770700	6.10E-09
1084	375300	3770700	5.80E-09
1085	375350	3770700	5.50E-09
1086	375400	3770700	5.19E-09
1087	373900	3770750	4.23E-09
1088	373950	3770750	4.62E-09
1089	374000	3770750	5.14E-09
1090	374050	3770750	5.72E-09
1091	374100	3770750	6.44E-09
1092	374150	3770750	7.31E-09
1093	374200	3770750	8.28E-09
1094	374250	3770750	9.17E-09
1095	374300	3770750	1.01E-08
1096	374350	3770750	1.09E-08
1097	374400	3770750	1.15E-08
1098	374450	3770750	1.17E-08
1099	374500	3770750	1.15E-08
1100	374550	3770750	1.09E-08
1101	374600	3770750	1.02E-08
1102	374650	3770750	9.65E-09
1103	374700	3770750	9.32E-09
1104	374750	3770750	9.21E-09
1105	374800	3770750	9.14E-09
1106	374850	3770750	8.99E-09

No.	X	Y	Risk
1028	374050	3770650	2.49E-08
1029	374100	3770650	2.77E-08
1030	374150	3770650	3.08E-08
1031	374200	3770650	3.36E-08
1032	374250	3770650	3.64E-08
1033	374300	3770650	3.87E-08
1034	374350	3770650	3.97E-08
1035	374400	3770650	3.92E-08
1036	374450	3770650	3.72E-08
1037	374500	3770650	3.45E-08
1038	374550	3770650	3.18E-08
1039	374600	3770650	3.02E-08
1040	374650	3770650	2.94E-08
1041	374700	3770650	2.93E-08
1042	374750	3770650	2.93E-08
1043	374800	3770650	2.95E-08
1044	374850	3770650	2.96E-08
1045	374900	3770650	2.94E-08
1046	374950	3770650	2.88E-08
1047	375000	3770650	2.79E-08
1048	375050	3770650	2.71E-08
1049	375100	3770650	2.61E-08
1050	375150	3770650	2.52E-08
1051	375200	3770650	2.43E-08
1052	375250	3770650	2.34E-08
1053	375300	3770650	2.23E-08
1054	375350	3770650	2.12E-08
1055	375400	3770650	2.01E-08
1056	373900	3770700	1.78E-08
1057	373950	3770700	1.95E-08
1058	374000	3770700	2.16E-08
1059	374050	3770700	2.41E-08
1060	374100	3770700	2.69E-08
1061	374150	3770700	3.05E-08
1062	374200	3770700	3.38E-08
1063	374250	3770700	3.71E-08
1064	374300	3770700	4.01E-08
1065	374350	3770700	4.26E-08
1066	374400	3770700	4.36E-08
1067	374450	3770700	4.26E-08
1068	374500	3770700	4.02E-08
1069	374550	3770700	3.76E-08
1070	374600	3770700	3.51E-08
1071	374650	3770700	3.38E-08
1072	374700	3770700	3.32E-08
1073	374750	3770700	3.30E-08
1074	374800	3770700	3.31E-08
1075	374850	3770700	3.29E-08
1076	374900	3770700	3.25E-08
1077	374950	3770700	3.16E-08
1078	375000	3770700	3.06E-08
1079	375050	3770700	2.95E-08
1080	375100	3770700	2.84E-08
1081	375150	3770700	2.74E-08
1082	375200	3770700	2.63E-08
1083	375250	3770700	2.51E-08
1084	375300	3770700	2.39E-08
1085	375350	3770700	2.26E-08
1086	375400	3770700	2.14E-08
1087	373900	3770750	1.74E-08
1088	373950	3770750	1.90E-08
1089	374000	3770750	2.11E-08
1090	374050	3770750	2.35E-08
1091	374100	3770750	2.64E-08
1092	374150	3770750	3.00E-08
1093	374200	3770750	3.40E-08
1094	374250	3770750	3.77E-08
1095	374300	3770750	4.16E-08
1096	374350	3770750	4.49E-08
1097	374400	3770750	4.74E-08
1098	374450	3770750	4.81E-08
1099	374500	3770750	4.71E-08
1100	374550	3770750	4.46E-08
1101	374600	3770750	4.17E-08
1102	374650	3770750	3.95E-08
1103	374700	3770750	3.81E-08
1104	374750	3770750	3.77E-08
1105	374800	3770750	3.74E-08
1106	374850	3770750	3.68E-08

Television City

Cancer Risk by Receptor - Project Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
1107	374900	3770750	1.26E-07
1108	374950	3770750	1.22E-07
1109	375000	3770750	1.18E-07
1110	375050	3770750	1.13E-07
1111	375100	3770750	1.09E-07
1112	375150	3770750	1.04E-07
1113	375200	3770750	9.91E-08
1114	375250	3770750	9.42E-08
1115	375300	3770750	8.92E-08
1116	375350	3770750	8.45E-08
1117	375400	3770750	8.01E-08
1118	373900	3770800	5.92E-08
1119	373950	3770800	6.47E-08
1120	374000	3770800	7.15E-08
1121	374050	3770800	8.04E-08
1122	374100	3770800	9.08E-08
1123	374150	3770800	1.03E-07
1124	374200	3770800	1.18E-07
1125	374250	3770800	1.34E-07
1126	374300	3770800	1.50E-07
1127	374350	3770800	1.65E-07
1128	374400	3770800	1.78E-07
1129	374450	3770800	1.88E-07
1130	374500	3770800	1.91E-07
1131	374550	3770800	1.86E-07
1132	374600	3770800	1.76E-07
1133	374650	3770800	1.65E-07
1134	374700	3770800	1.57E-07
1135	374750	3770800	1.53E-07
1136	374800	3770800	1.50E-07
1137	374850	3770800	1.46E-07
1138	374900	3770800	1.42E-07
1139	374950	3770800	1.36E-07
1140	375000	3770800	1.31E-07
1141	375050	3770800	1.25E-07
1142	375100	3770800	1.19E-07
1143	375150	3770800	1.14E-07
1144	375200	3770800	1.07E-07
1145	375250	3770800	1.02E-07
1146	375300	3770800	9.64E-08
1147	375350	3770800	9.12E-08
1148	375400	3770800	8.62E-08
1149	373900	3770850	5.81E-08
1150	373950	3770850	6.36E-08
1151	374000	3770850	7.02E-08
1152	374050	3770850	7.89E-08
1153	374100	3770850	8.97E-08
1154	374150	3770850	1.01E-07
1155	374200	3770850	1.17E-07
1156	374250	3770850	1.35E-07
1157	374300	3770850	1.54E-07
1158	374350	3770850	1.72E-07
1159	374400	3770850	1.90E-07
1160	374450	3770850	2.08E-07
1161	374500	3770850	2.20E-07
1162	374550	3770850	2.23E-07
1163	374600	3770850	2.15E-07
1164	374650	3770850	2.02E-07
1165	374700	3770850	1.88E-07
1166	374750	3770850	1.78E-07
1167	374800	3770850	1.72E-07
1168	374850	3770850	1.67E-07
1169	374900	3770850	1.61E-07
1170	374950	3770850	1.53E-07
1171	375000	3770850	1.45E-07
1172	375050	3770850	1.37E-07
1173	375100	3770850	1.33E-07
1174	375150	3770850	1.25E-07
1175	375200	3770850	1.18E-07
1176	375250	3770850	1.11E-07
1177	375300	3770850	1.05E-07
1178	375350	3770850	1.00E-07
1179	375400	3770850	9.46E-08
1180	373900	3770900	5.68E-08
1181	373950	3770900	6.23E-08
1182	374000	3770900	6.91E-08
1183	374050	3770900	7.76E-08
1184	374100	3770900	8.86E-08
1185	374150	3770900	1.02E-07

No.	X	Y	Risk
1107	374900	3770750	8.80E-09
1108	374950	3770750	8.51E-09
1109	375000	3770750	8.20E-09
1110	375050	3770750	7.90E-09
1111	375100	3770750	7.58E-09
1112	375150	3770750	7.26E-09
1113	375200	3770750	6.91E-09
1114	375250	3770750	6.57E-09
1115	375300	3770750	6.23E-09
1116	375350	3770750	5.90E-09
1117	375400	3770750	5.59E-09
1118	373900	3770800	4.13E-09
1119	373950	3770800	4.52E-09
1120	374000	3770800	4.99E-09
1121	374050	3770800	5.61E-09
1122	374100	3770800	6.33E-09
1123	374150	3770800	7.17E-09
1124	374200	3770800	8.20E-09
1125	374250	3770800	9.39E-09
1126	374300	3770800	1.04E-08
1127	374350	3770800	1.15E-08
1128	374400	3770800	1.24E-08
1129	374450	3770800	1.31E-08
1130	374500	3770800	1.33E-08
1131	374550	3770800	1.30E-08
1132	374600	3770800	1.23E-08
1133	374650	3770800	1.15E-08
1134	374700	3770800	1.10E-08
1135	374750	3770800	1.06E-08
1136	374800	3770800	1.04E-08
1137	374850	3770800	1.02E-08
1138	374900	3770800	9.87E-09
1139	374950	3770800	9.48E-09
1140	375000	3770800	9.11E-09
1141	375050	3770800	8.73E-09
1142	375100	3770800	8.32E-09
1143	375150	3770800	7.94E-09
1144	375200	3770800	7.50E-09
1145	375250	3770800	7.09E-09
1146	375300	3770800	6.73E-09
1147	375350	3770800	6.37E-09
1148	375400	3770800	6.02E-09
1149	373900	3770850	4.05E-09
1150	373950	3770850	4.43E-09
1151	374000	3770850	4.89E-09
1152	374050	3770850	5.50E-09
1153	374100	3770850	6.26E-09
1154	374150	3770850	7.08E-09
1155	374200	3770850	8.17E-09
1156	374250	3770850	9.42E-09
1157	374300	3770850	1.08E-08
1158	374350	3770850	1.20E-08
1159	374400	3770850	1.33E-08
1160	374450	3770850	1.45E-08
1161	374500	3770850	1.53E-08
1162	374550	3770850	1.56E-08
1163	374600	3770850	1.50E-08
1164	374650	3770850	1.41E-08
1165	374700	3770850	1.31E-08
1166	374750	3770850	1.24E-08
1167	374800	3770850	1.20E-08
1168	374850	3770850	1.16E-08
1169	374900	3770850	1.12E-08
1170	374950	3770850	1.07E-08
1171	375000	3770850	1.01E-08
1172	375050	3770850	9.58E-09
1173	375100	3770850	9.25E-09
1174	375150	3770850	8.71E-09
1175	375200	3770850	8.21E-09
1176	375250	3770850	7.73E-09
1177	375300	3770850	7.31E-09
1178	375350	3770850	6.98E-09
1179	375400	3770850	6.60E-09
1180	373900	3770900	3.96E-09
1181	373950	3770900	4.34E-09
1182	374000	3770900	4.82E-09
1183	374050	3770900	5.41E-09
1184	374100	3770900	6.18E-09
1185	374150	3770900	7.09E-09

No.	X	Y	Risk
1107	374900	3770750	3.61E-08
1108	374950	3770750	3.49E-08
1109	375000	3770750	3.36E-08
1110	375050	3770750	3.24E-08
1111	375100	3770750	3.11E-08
1112	375150	3770750	2.98E-08
1113	375200	3770750	2.84E-08
1114	375250	3770750	2.70E-08
1115	375300	3770750	2.56E-08
1116	375350	3770750	2.43E-08
1117	375400	3770750	2.30E-08
1118	373900	3770800	1.69E-08
1119	373950	3770800	1.85E-08
1120	374000	3770800	2.04E-08
1121	374050	3770800	2.30E-08
1122	374100	3770800	2.60E-08
1123	374150	3770800	2.94E-08
1124	374200	3770800	3.37E-08
1125	374250	3770800	3.86E-08
1126	374300	3770800	4.29E-08
1127	374350	3770800	4.72E-08
1128	374400	3770800	5.09E-08
1129	374450	3770800	5.39E-08
1130	374500	3770800	5.47E-08
1131	374550	3770800	5.33E-08
1132	374600	3770800	5.04E-08
1133	374650	3770800	4.72E-08
1134	374700	3770800	4.48E-08
1135	374750	3770800	4.35E-08
1136	374800	3770800	4.26E-08
1137	374850	3770800	4.16E-08
1138	374900	3770800	4.04E-08
1139	374950	3770800	3.88E-08
1140	375000	3770800	3.73E-08
1141	375050	3770800	3.58E-08
1142	375100	3770800	3.41E-08
1143	375150	3770800	3.26E-08
1144	375200	3770800	3.08E-08
1145	375250	3770800	2.91E-08
1146	375300	3770800	2.77E-08
1147	375350	3770800	2.62E-08
1148	375400	3770800	2.48E-08
1149	373900	3770850	1.66E-08
1150	373950	3770850	1.82E-08
1151	374000	3770850	2.00E-08
1152	374050	3770850	2.25E-08
1153	374100	3770850	2.56E-08
1154	374150	3770850	2.90E-08
1155	374200	3770850	3.35E-08
1156	374250	3770850	3.87E-08
1157	374300	3770850	4.42E-08
1158	374350	3770850	4.93E-08
1159	374400	3770850	5.45E-08
1160	374450	3770850	5.95E-08
1161	374500	3770850	6.29E-08
1162	374550	3770850	6.38E-08
1163	374600	3770850	6.16E-08
1164	374650	3770850	5.77E-08
1165	374700	3770850	5.34E-08
1166	374750	3770850	5.07E-08
1167	374800	3770850	4.90E-08
1168	374850	3770850	4.74E-08
1169	374900	3770850	4.58E-08
1170	374950	3770850	4.37E-08
1171	375000	3770850	4.12E-08
1172	375050	3770850	3.93E-08
1173	375100	3770850	3.79E-08
1174	375150	3770850	3.57E-08
1175	375200	3770850	3.37E-08
1176	375250	3770850	3.18E-08
1177	375300	3770850	3.00E-08
1178	375350	3770850	2.87E-08
1179	375400	3770850	2.72E-08
1180	373900	3770900	1.62E-08
1181	373950	3770900	1.78E-08
1182	374000	3770900	1.97E-08
1183	374050	3770900	2.21E-08
1184	374100	3770900	2.53E-08
1185	374150	3770900	2.90E-08

Television City

Cancer Risk by Receptor - Project Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
1186	374200	3770900	1.18E-07
1187	374250	3770900	1.36E-07
1188	374300	3770900	1.59E-07
1189	374350	3770900	1.82E-07
1190	374400	3770900	2.03E-07
1191	374450	3770900	2.27E-07
1192	374500	3770900	2.52E-07
1193	374550	3770900	2.67E-07
1194	374600	3770900	2.66E-07
1195	374650	3770900	2.51E-07
1196	374700	3770900	2.30E-07
1197	374750	3770900	2.14E-07
1198	374800	3770900	2.03E-07
1199	374850	3770900	1.94E-07
1200	374900	3770900	1.81E-07
1201	374950	3770900	1.71E-07
1202	375000	3770900	1.65E-07
1203	375050	3770900	1.57E-07
1204	375100	3770900	1.48E-07
1205	375150	3770900	1.39E-07
1206	375200	3770900	1.30E-07
1207	375250	3770900	1.23E-07
1208	375300	3770900	1.16E-07
1209	375350	3770900	1.10E-07
1210	375400	3770900	1.04E-07
1211	373900	3770950	5.60E-08
1212	373950	3770950	6.14E-08
1213	374000	3770950	6.88E-08
1214	374050	3770950	7.76E-08
1215	374100	3770950	8.82E-08
1216	374150	3770950	1.02E-07
1217	374200	3770950	1.19E-07
1218	374250	3770950	1.40E-07
1219	374300	3770950	1.65E-07
1220	374350	3770950	1.93E-07
1221	374400	3770950	2.20E-07
1222	374450	3770950	2.53E-07
1223	374500	3770950	2.90E-07
1224	374550	3770950	3.20E-07
1225	374600	3770950	3.28E-07
1226	374650	3770950	3.16E-07
1227	374700	3770950	2.91E-07
1228	374750	3770950	2.65E-07
1229	374800	3770950	2.47E-07
1230	374850	3770950	2.32E-07
1231	374900	3770950	2.14E-07
1232	374950	3770950	2.01E-07
1233	375000	3770950	1.92E-07
1234	375050	3770950	1.79E-07
1235	375100	3770950	1.66E-07
1236	375150	3770950	1.56E-07
1237	375200	3770950	1.45E-07
1238	375250	3770950	1.36E-07
1239	375300	3770950	1.29E-07
1240	375350	3770950	1.23E-07
1241	375400	3770950	1.16E-07
1242	373900	3771000	5.53E-08
1243	373950	3771000	6.11E-08
1244	374000	3771000	6.82E-08
1245	374050	3771000	7.71E-08
1246	374100	3771000	8.88E-08
1247	374150	3771000	1.03E-07
1248	374200	3771000	1.22E-07
1249	374250	3771000	1.46E-07
1250	374300	3771000	1.75E-07
1251	374350	3771000	2.09E-07
1252	374400	3771000	2.44E-07
1253	374450	3771000	2.85E-07
1254	374500	3771000	3.38E-07
1255	374550	3771000	3.87E-07
1256	374600	3771000	4.08E-07
1257	374650	3771000	4.01E-07
1258	374700	3771000	3.78E-07
1259	374750	3771000	3.44E-07
1260	374800	3771000	3.13E-07
1261	374850	3771000	2.90E-07
1262	374900	3771000	2.64E-07
1263	374950	3771000	2.42E-07
1264	375000	3771000	2.27E-07

No.	X	Y	Risk
1186	374200	3770900	8.20E-09
1187	374250	3770900	9.52E-09
1188	374300	3770900	1.11E-08
1189	374350	3770900	1.27E-08
1190	374400	3770900	1.42E-08
1191	374450	3770900	1.58E-08
1192	374500	3770900	1.76E-08
1193	374550	3770900	1.86E-08
1194	374600	3770900	1.86E-08
1195	374650	3770900	1.75E-08
1196	374700	3770900	1.61E-08
1197	374750	3770900	1.49E-08
1198	374800	3770900	1.41E-08
1199	374850	3770900	1.35E-08
1200	374900	3770900	1.26E-08
1201	374950	3770900	1.19E-08
1202	375000	3770900	1.15E-08
1203	375050	3770900	1.09E-08
1204	375100	3770900	1.03E-08
1205	375150	3770900	9.67E-09
1206	375200	3770900	9.08E-09
1207	375250	3770900	8.55E-09
1208	375300	3770900	8.10E-09
1209	375350	3770900	7.65E-09
1210	375400	3770900	7.23E-09
1211	373900	3770950	3.91E-09
1212	373950	3770950	4.28E-09
1213	374000	3770950	4.79E-09
1214	374050	3770950	5.41E-09
1215	374100	3770950	6.15E-09
1216	374150	3770950	7.09E-09
1217	374200	3770950	8.32E-09
1218	374250	3770950	9.77E-09
1219	374300	3770950	1.15E-08
1220	374350	3770950	1.35E-08
1221	374400	3770950	1.54E-08
1222	374450	3770950	1.76E-08
1223	374500	3770950	2.03E-08
1224	374550	3770950	2.23E-08
1225	374600	3770950	2.29E-08
1226	374650	3770950	2.20E-08
1227	374700	3770950	2.02E-08
1228	374750	3770950	1.84E-08
1229	374800	3770950	1.72E-08
1230	374850	3770950	1.61E-08
1231	374900	3770950	1.49E-08
1232	374950	3770950	1.40E-08
1233	375000	3770950	1.34E-08
1234	375050	3770950	1.25E-08
1235	375100	3770950	1.16E-08
1236	375150	3770950	1.09E-08
1237	375200	3770950	1.01E-08
1238	375250	3770950	9.51E-09
1239	375300	3770950	9.04E-09
1240	375350	3770950	8.60E-09
1241	375400	3770950	8.11E-09
1242	373900	3771000	3.86E-09
1243	373950	3771000	4.26E-09
1244	374000	3771000	4.76E-09
1245	374050	3771000	5.38E-09
1246	374100	3771000	6.19E-09
1247	374150	3771000	7.18E-09
1248	374200	3771000	8.49E-09
1249	374250	3771000	1.02E-08
1250	374300	3771000	1.22E-08
1251	374350	3771000	1.45E-08
1252	374400	3771000	1.70E-08
1253	374450	3771000	1.99E-08
1254	374500	3771000	2.36E-08
1255	374550	3771000	2.69E-08
1256	374600	3771000	2.84E-08
1257	374650	3771000	2.79E-08
1258	374700	3771000	2.63E-08
1259	374750	3771000	2.39E-08
1260	374800	3771000	2.18E-08
1261	374850	3771000	2.02E-08
1262	374900	3771000	1.83E-08
1263	374950	3771000	1.68E-08
1264	375000	3771000	1.58E-08

No.	X	Y	Risk
1186	374200	3770900	3.36E-08
1187	374250	3770900	3.90E-08
1188	374300	3770900	4.55E-08
1189	374350	3770900	5.19E-08
1190	374400	3770900	5.82E-08
1191	374450	3770900	6.49E-08
1192	374500	3770900	7.21E-08
1193	374550	3770900	7.62E-08
1194	374600	3770900	7.60E-08
1195	374650	3770900	7.16E-08
1196	374700	3770900	6.55E-08
1197	374750	3770900	6.08E-08
1198	374800	3770900	5.76E-08
1199	374850	3770900	5.50E-08
1200	374900	3770900	5.14E-08
1201	374950	3770900	4.88E-08
1202	375000	3770900	4.70E-08
1203	375050	3770900	4.48E-08
1204	375100	3770900	4.23E-08
1205	375150	3770900	3.97E-08
1206	375200	3770900	3.73E-08
1207	375250	3770900	3.51E-08
1208	375300	3770900	3.33E-08
1209	375350	3770900	3.15E-08
1210	375400	3770900	2.98E-08
1211	373900	3770950	1.60E-08
1212	373950	3770950	1.75E-08
1213	374000	3770950	1.96E-08
1214	374050	3770950	2.21E-08
1215	374100	3770950	2.51E-08
1216	374150	3770950	2.90E-08
1217	374200	3770950	3.40E-08
1218	374250	3770950	4.00E-08
1219	374300	3770950	4.72E-08
1220	374350	3770950	5.51E-08
1221	374400	3770950	6.29E-08
1222	374450	3770950	7.22E-08
1223	374500	3770950	8.30E-08
1224	374550	3770950	9.14E-08
1225	374600	3770950	9.37E-08
1226	374650	3770950	9.00E-08
1227	374700	3770950	8.25E-08
1228	374750	3770950	7.49E-08
1229	374800	3770950	6.97E-08
1230	374850	3770950	6.55E-08
1231	374900	3770950	6.08E-08
1232	374950	3770950	5.70E-08
1233	375000	3770950	5.47E-08
1234	375050	3770950	5.10E-08
1235	375100	3770950	4.74E-08
1236	375150	3770950	4.47E-08
1237	375200	3770950	4.16E-08
1238	375250	3770950	3.91E-08
1239	375300	3770950	3.72E-08
1240	375350	3770950	3.54E-08
1241	375400	3770950	3.34E-08
1242	373900	3771000	1.58E-08
1243	373950	3771000	1.74E-08
1244	374000	3771000	1.94E-08
1245	374050	3771000	2.20E-08
1246	374100	3771000	2.53E-08
1247	374150	3771000	2.94E-08
1248	374200	3771000	3.47E-08
1249	374250	3771000	4.17E-08
1250	374300	3771000	4.98E-08
1251	374350	3771000	5.95E-08
1252	374400	3771000	6.94E-08
1253	374450	3771000	8.14E-08
1254	374500	3771000	9.66E-08
1255	374550	3771000	1.10E-07
1256	374600	3771000	1.16E-07
1257	374650	3771000	1.14E-07
1258	374700	3771000	1.07E-07
1259	374750	3771000	9.71E-08
1260	374800	3771000	8.81E-08
1261	374850	3771000	8.16E-08
1262	374900	3771000	7.45E-08
1263	374950	3771000	6.86E-08
1264	375000	3771000	6.45E-08

Television City

Cancer Risk by Receptor - Project Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
1265	375050	3771000	2.07E-07
1266	375100	3771000	1.90E-07
1267	375150	3771000	1.78E-07
1268	375200	3771000	1.66E-07
1269	375250	3771000	1.56E-07
1270	375300	3771000	1.47E-07
1271	375350	3771000	1.39E-07
1272	375400	3771000	1.31E-07
1273	373900	3771050	5.50E-08
1274	373950	3771050	6.11E-08
1275	374000	3771050	6.85E-08
1276	374050	3771050	7.76E-08
1277	374100	3771050	8.91E-08
1278	374150	3771050	1.05E-07
1279	374200	3771050	1.26E-07
1280	374250	3771050	1.55E-07
1281	375000	3771050	2.74E-07
1282	375050	3771050	2.46E-07
1283	375100	3771050	2.24E-07
1284	375150	3771050	2.09E-07
1285	375200	3771050	1.94E-07
1286	375250	3771050	1.81E-07
1287	375300	3771050	1.68E-07
1288	375350	3771050	1.59E-07
1289	375400	3771050	1.48E-07
1290	373900	3771100	5.52E-08
1291	373950	3771100	6.13E-08
1292	374000	3771100	6.88E-08
1293	374050	3771100	7.82E-08
1294	374100	3771100	9.09E-08
1295	374150	3771100	1.07E-07
1296	374200	3771100	1.31E-07
1297	374250	3771100	1.65E-07
1298	375000	3771100	3.39E-07
1299	375050	3771100	2.99E-07
1300	375100	3771100	2.69E-07
1301	375150	3771100	2.48E-07
1302	375200	3771100	2.28E-07
1303	375250	3771100	2.11E-07
1304	375300	3771100	1.95E-07
1305	375350	3771100	1.82E-07
1306	375400	3771100	1.69E-07
1307	373900	3771150	5.49E-08
1308	373950	3771150	6.13E-08
1309	374000	3771150	6.90E-08
1310	374050	3771150	7.90E-08
1311	374100	3771150	9.17E-08
1312	374150	3771150	1.09E-07
1313	374200	3771150	1.34E-07
1314	374250	3771150	1.73E-07
1315	375000	3771150	4.20E-07
1316	375050	3771150	3.59E-07
1317	375100	3771150	3.20E-07
1318	375150	3771150	2.91E-07
1319	375200	3771150	2.67E-07
1320	375250	3771150	2.45E-07
1321	375300	3771150	2.25E-07
1322	375350	3771150	2.08E-07
1323	375400	3771150	1.92E-07
1324	373900	3771200	5.47E-08
1325	373950	3771200	6.11E-08
1326	374000	3771200	6.88E-08
1327	374050	3771200	7.87E-08
1328	374100	3771200	9.17E-08
1329	374150	3771200	1.09E-07
1330	374200	3771200	1.34E-07
1331	374250	3771200	1.71E-07
1332	375000	3771200	5.19E-07
1333	375050	3771200	4.40E-07
1334	375100	3771200	3.87E-07
1335	375150	3771200	3.43E-07
1336	375200	3771200	3.09E-07
1337	375250	3771200	2.82E-07
1338	375300	3771200	2.56E-07
1339	375350	3771200	2.36E-07
1340	375400	3771200	2.17E-07
1341	373900	3771250	5.40E-08
1342	373950	3771250	6.01E-08
1343	374000	3771250	6.81E-08

No.	X	Y	Risk
1265	375050	3771000	1.44E-08
1266	375100	3771000	1.33E-08
1267	375150	3771000	1.24E-08
1268	375200	3771000	1.16E-08
1269	375250	3771000	1.09E-08
1270	375300	3771000	1.02E-08
1271	375350	3771000	9.72E-09
1272	375400	3771000	9.14E-09
1273	373900	3771050	3.83E-09
1274	373950	3771050	4.25E-09
1275	374000	3771050	4.77E-09
1276	374050	3771050	5.40E-09
1277	374100	3771050	6.21E-09
1278	374150	3771050	7.30E-09
1279	374200	3771050	8.80E-09
1280	374250	3771050	1.08E-08
1281	375000	3771050	1.91E-08
1282	375050	3771050	1.71E-08
1283	375100	3771050	1.56E-08
1284	375150	3771050	1.46E-08
1285	375200	3771050	1.35E-08
1286	375250	3771050	1.26E-08
1287	375300	3771050	1.18E-08
1288	375350	3771050	1.11E-08
1289	375400	3771050	1.03E-08
1290	373900	3771100	3.85E-09
1291	373950	3771100	4.27E-09
1292	374000	3771100	4.79E-09
1293	374050	3771100	5.45E-09
1294	374100	3771100	6.33E-09
1295	374150	3771100	7.48E-09
1296	374200	3771100	9.10E-09
1297	374250	3771100	1.15E-08
1298	375000	3771100	2.36E-08
1299	375050	3771100	2.08E-08
1300	375100	3771100	1.88E-08
1301	375150	3771100	1.73E-08
1302	375200	3771100	1.59E-08
1303	375250	3771100	1.47E-08
1304	375300	3771100	1.36E-08
1305	375350	3771100	1.27E-08
1306	375400	3771100	1.18E-08
1307	373900	3771150	3.82E-09
1308	373950	3771150	4.27E-09
1309	374000	3771150	4.80E-09
1310	374050	3771150	5.50E-09
1311	374100	3771150	6.39E-09
1312	374150	3771150	7.59E-09
1313	374200	3771150	9.35E-09
1314	374250	3771150	1.21E-08
1315	375000	3771150	2.92E-08
1316	375050	3771150	2.50E-08
1317	375100	3771150	2.23E-08
1318	375150	3771150	2.03E-08
1319	375200	3771150	1.86E-08
1320	375250	3771150	1.71E-08
1321	375300	3771150	1.57E-08
1322	375350	3771150	1.46E-08
1323	375400	3771150	1.34E-08
1324	373900	3771200	3.81E-09
1325	373950	3771200	4.26E-09
1326	374000	3771200	4.79E-09
1327	374050	3771200	5.48E-09
1328	374100	3771200	6.38E-09
1329	374150	3771200	7.59E-09
1330	374200	3771200	9.33E-09
1331	374250	3771200	1.19E-08
1332	375000	3771200	3.61E-08
1333	375050	3771200	3.06E-08
1334	375100	3771200	2.70E-08
1335	375150	3771200	2.39E-08
1336	375200	3771200	2.16E-08
1337	375250	3771200	1.97E-08
1338	375300	3771200	1.79E-08
1339	375350	3771200	1.65E-08
1340	375400	3771200	1.52E-08
1341	373900	3771250	3.76E-09
1342	373950	3771250	4.19E-09
1343	374000	3771250	4.74E-09

No.	X	Y	Risk
1265	375050	3771000	5.90E-08
1266	375100	3771000	5.43E-08
1267	375150	3771000	5.10E-08
1268	375200	3771000	4.77E-08
1269	375250	3771000	4.48E-08
1270	375300	3771000	4.21E-08
1271	375350	3771000	4.00E-08
1272	375400	3771000	3.76E-08
1273	373900	3771050	1.56E-08
1274	373950	3771050	1.74E-08
1275	374000	3771050	1.95E-08
1276	374050	3771050	2.21E-08
1277	374100	3771050	2.53E-08
1278	374150	3771050	2.98E-08
1279	374200	3771050	3.59E-08
1280	374250	3771050	4.41E-08
1281	375000	3771050	7.78E-08
1282	375050	3771050	7.02E-08
1283	375100	3771050	6.41E-08
1284	375150	3771050	5.97E-08
1285	375200	3771050	5.55E-08
1286	375250	3771050	5.20E-08
1287	375300	3771050	4.84E-08
1288	375350	3771050	4.56E-08
1289	375400	3771050	4.25E-08
1290	373900	3771100	1.57E-08
1291	373950	3771100	1.74E-08
1292	374000	3771100	1.95E-08
1293	374050	3771100	2.22E-08
1294	374100	3771100	2.58E-08
1295	374150	3771100	3.05E-08
1296	374200	3771100	3.71E-08
1297	374250	3771100	4.69E-08
1298	375000	3771100	9.61E-08
1299	375050	3771100	8.52E-08
1300	375100	3771100	7.68E-08
1301	375150	3771100	7.11E-08
1302	375200	3771100	6.53E-08
1303	375250	3771100	6.05E-08
1304	375300	3771100	5.60E-08
1305	375350	3771100	5.24E-08
1306	375400	3771100	4.87E-08
1307	373900	3771150	1.56E-08
1308	373950	3771150	1.74E-08
1309	374000	3771150	1.96E-08
1310	374050	3771150	2.24E-08
1311	374100	3771150	2.60E-08
1312	374150	3771150	3.09E-08
1313	374200	3771150	3.81E-08
1314	374250	3771150	4.92E-08
1315	375000	3771150	1.19E-07
1316	375050	3771150	1.02E-07
1317	375100	3771150	9.15E-08
1318	375150	3771150	8.31E-08
1319	375200	3771150	7.64E-08
1320	375250	3771150	7.03E-08
1321	375300	3771150	6.47E-08
1322	375350	3771150	5.99E-08
1323	375400	3771150	5.52E-08
1324	373900	3771200	1.55E-08
1325	373950	3771200	1.74E-08
1326	374000	3771200	1.95E-08
1327	374050	3771200	2.23E-08
1328	374100	3771200	2.60E-08
1329	374150	3771200	3.09E-08
1330	374200	3771200	3.80E-08
1331	374250	3771200	4.85E-08
1332	375000	3771200	1.47E-07
1333	375050	3771200	1.25E-07
1334	375100	3771200	1.10E-07
1335	375150	3771200	9.79E-08
1336	375200	3771200	8.85E-08
1337	375250	3771200	8.10E-08
1338	375300	3771200	7.35E-08
1339	375350	3771200	6.77E-08
1340	375400	3771200	6.24E-08
1341	373900	3771250	1.53E-08
1342	373950	3771250	1.71E-08
1343	374000	3771250	1.93E-08

Television City

Cancer Risk by Receptor - Project Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
1344	374050	3771250	7.77E-08
1345	374100	3771250	9.03E-08
1346	374150	3771250	1.07E-07
1347	374200	3771250	1.30E-07
1348	374250	3771250	1.64E-07
1349	375000	3771250	6.15E-07
1350	375050	3771250	5.15E-07
1351	375100	3771250	4.43E-07
1352	375150	3771250	3.92E-07
1353	375200	3771250	3.53E-07
1354	375250	3771250	3.19E-07
1355	375300	3771250	2.92E-07
1356	375350	3771250	2.65E-07
1357	375400	3771250	2.43E-07
1358	373900	3771300	5.30E-08
1359	373950	3771300	5.94E-08
1360	374000	3771300	6.71E-08
1361	374050	3771300	7.63E-08
1362	374100	3771300	8.84E-08
1363	374150	3771300	1.04E-07
1364	374200	3771300	1.26E-07
1365	374250	3771300	1.57E-07
1366	375000	3771300	6.70E-07
1367	375050	3771300	5.67E-07
1368	375100	3771300	4.91E-07
1369	375150	3771300	4.34E-07
1370	375200	3771300	3.87E-07
1371	375250	3771300	3.46E-07
1372	375300	3771300	3.14E-07
1373	375350	3771300	2.86E-07
1374	375400	3771300	2.62E-07
1375	373900	3771350	5.10E-08
1376	373950	3771350	5.70E-08
1377	374000	3771350	6.44E-08
1378	374050	3771350	7.32E-08
1379	374100	3771350	8.46E-08
1380	374150	3771350	9.92E-08
1381	374200	3771350	1.20E-07
1382	374250	3771350	1.51E-07
1383	375000	3771350	6.55E-07
1384	375050	3771350	5.65E-07
1385	375100	3771350	4.94E-07
1386	375150	3771350	4.40E-07
1387	375200	3771350	3.96E-07
1388	375250	3771350	3.60E-07
1389	375300	3771350	3.28E-07
1390	375350	3771350	2.99E-07
1391	375400	3771350	2.75E-07
1392	373900	3771400	4.89E-08
1393	373950	3771400	5.45E-08
1394	374000	3771400	6.11E-08
1395	374050	3771400	6.91E-08
1396	374100	3771400	7.93E-08
1397	374150	3771400	9.29E-08
1398	374200	3771400	1.12E-07
1399	374250	3771400	1.42E-07
1400	375000	3771400	5.84E-07
1401	375050	3771400	5.15E-07
1402	375100	3771400	4.63E-07
1403	375150	3771400	4.18E-07
1404	375200	3771400	3.79E-07
1405	375250	3771400	3.49E-07
1406	375300	3771400	3.20E-07
1407	375350	3771400	2.94E-07
1408	375400	3771400	2.69E-07
1409	373900	3771450	4.69E-08
1410	373950	3771450	5.18E-08
1411	374000	3771450	5.80E-08
1412	374050	3771450	6.55E-08
1413	374100	3771450	7.51E-08
1414	374150	3771450	8.75E-08
1415	374200	3771450	1.05E-07
1416	374250	3771450	1.33E-07
1417	375000	3771450	4.91E-07
1418	375050	3771450	4.43E-07
1419	375100	3771450	4.03E-07
1420	375150	3771450	3.69E-07
1421	375200	3771450	3.42E-07
1422	375250	3771450	3.17E-07

No.	X	Y	Risk
1344	374050	3771250	5.41E-09
1345	374100	3771250	6.29E-09
1346	374150	3771250	7.44E-09
1347	374200	3771250	9.02E-09
1348	374250	3771250	1.14E-08
1349	375000	3771250	4.28E-08
1350	375050	3771250	3.58E-08
1351	375100	3771250	3.09E-08
1352	375150	3771250	2.74E-08
1353	375200	3771250	2.47E-08
1354	375250	3771250	2.22E-08
1355	375300	3771250	2.04E-08
1356	375350	3771250	1.85E-08
1357	375400	3771250	1.70E-08
1358	373900	3771300	3.69E-09
1359	373950	3771300	4.13E-09
1360	374000	3771300	4.67E-09
1361	374050	3771300	5.31E-09
1362	374100	3771300	6.15E-09
1363	374150	3771300	7.25E-09
1364	374200	3771300	8.78E-09
1365	374250	3771300	1.10E-08
1366	375000	3771300	4.67E-08
1367	375050	3771300	3.95E-08
1368	375100	3771300	3.42E-08
1369	375150	3771300	3.03E-08
1370	375200	3771300	2.70E-08
1371	375250	3771300	2.42E-08
1372	375300	3771300	2.19E-08
1373	375350	3771300	2.00E-08
1374	375400	3771300	1.83E-08
1375	373900	3771350	3.55E-09
1376	373950	3771350	3.97E-09
1377	374000	3771350	4.48E-09
1378	374050	3771350	5.09E-09
1379	374100	3771350	5.89E-09
1380	374150	3771350	6.90E-09
1381	374200	3771350	8.36E-09
1382	374250	3771350	1.05E-08
1383	375000	3771350	4.56E-08
1384	375050	3771350	3.94E-08
1385	375100	3771350	3.44E-08
1386	375150	3771350	3.07E-08
1387	375200	3771350	2.76E-08
1388	375250	3771350	2.51E-08
1389	375300	3771350	2.29E-08
1390	375350	3771350	2.09E-08
1391	375400	3771350	1.92E-08
1392	373900	3771400	3.40E-09
1393	373950	3771400	3.79E-09
1394	374000	3771400	4.25E-09
1395	374050	3771400	4.81E-09
1396	374100	3771400	5.52E-09
1397	374150	3771400	6.46E-09
1398	374200	3771400	7.81E-09
1399	374250	3771400	9.84E-09
1400	375000	3771400	4.07E-08
1401	375050	3771400	3.59E-08
1402	375100	3771400	3.23E-08
1403	375150	3771400	2.92E-08
1404	375200	3771400	2.65E-08
1405	375250	3771400	2.43E-08
1406	375300	3771400	2.23E-08
1407	375350	3771400	2.05E-08
1408	375400	3771400	1.88E-08
1409	373900	3771450	3.26E-09
1410	373950	3771450	3.61E-09
1411	374000	3771450	4.04E-09
1412	374050	3771450	4.56E-09
1413	374100	3771450	5.23E-09
1414	374150	3771450	6.08E-09
1415	374200	3771450	7.32E-09
1416	374250	3771450	9.25E-09
1417	375000	3771450	3.42E-08
1418	375050	3771450	3.09E-08
1419	375100	3771450	2.81E-08
1420	375150	3771450	2.57E-08
1421	375200	3771450	2.39E-08
1422	375250	3771450	2.21E-08

No.	X	Y	Risk
1344	374050	3771250	2.20E-08
1345	374100	3771250	2.56E-08
1346	374150	3771250	3.03E-08
1347	374200	3771250	3.67E-08
1348	374250	3771250	4.64E-08
1349	375000	3771250	1.74E-07
1350	375050	3771250	1.46E-07
1351	375100	3771250	1.26E-07
1352	375150	3771250	1.12E-07
1353	375200	3771250	1.01E-07
1354	375250	3771250	9.14E-08
1355	375300	3771250	8.38E-08
1356	375350	3771250	7.61E-08
1357	375400	3771250	6.99E-08
1358	373900	3771300	1.50E-08
1359	373950	3771300	1.68E-08
1360	374000	3771300	1.90E-08
1361	374050	3771300	2.16E-08
1362	374100	3771300	2.50E-08
1363	374150	3771300	2.95E-08
1364	374200	3771300	3.57E-08
1365	374250	3771300	4.44E-08
1366	375000	3771300	1.90E-07
1367	375050	3771300	1.62E-07
1368	375100	3771300	1.40E-07
1369	375150	3771300	1.24E-07
1370	375200	3771300	1.11E-07
1371	375250	3771300	9.92E-08
1372	375300	3771300	9.01E-08
1373	375350	3771300	8.21E-08
1374	375400	3771300	7.54E-08
1375	373900	3771350	1.45E-08
1376	373950	3771350	1.62E-08
1377	374000	3771350	1.83E-08
1378	374050	3771350	2.07E-08
1379	374100	3771350	2.39E-08
1380	374150	3771350	2.80E-08
1381	374200	3771350	3.39E-08
1382	374250	3771350	4.26E-08
1383	375000	3771350	1.86E-07
1384	375050	3771350	1.61E-07
1385	375100	3771350	1.41E-07
1386	375150	3771350	1.26E-07
1387	375200	3771350	1.13E-07
1388	375250	3771350	1.03E-07
1389	375300	3771350	9.41E-08
1390	375350	3771350	8.59E-08
1391	375400	3771350	7.89E-08
1392	373900	3771400	1.38E-08
1393	373950	3771400	1.54E-08
1394	374000	3771400	1.73E-08
1395	374050	3771400	1.96E-08
1396	374100	3771400	2.24E-08
1397	374150	3771400	2.62E-08
1398	374200	3771400	3.17E-08
1399	374250	3771400	3.99E-08
1400	375000	3771400	1.66E-07
1401	375050	3771400	1.47E-07
1402	375100	3771400	1.32E-07
1403	375150	3771400	1.20E-07
1404	375200	3771400	1.09E-07
1405	375250	3771400	1.00E-07
1406	375300	3771400	9.18E-08
1407	375350	3771400	8.44E-08
1408	375400	3771400	7.74E-08
1409	373900	3771450	1.33E-08
1410	373950	3771450	1.47E-08
1411	374000	3771450	1.64E-08
1412	374050	3771450	1.85E-08
1413	374100	3771450	2.12E-08
1414	374150	3771450	2.47E-08
1415	374200	3771450	2.97E-08
1416	374250	3771450	3.75E-08
1417	375000	3771450	1.40E-07
1418	375050	3771450	1.26E-07
1419	375100	3771450	1.15E-07
1420	375150	3771450	1.05E-07
1421	375200	3771450	9.80E-08
1422	375250	3771450	9.07E-08

Television City

Cancer Risk by Receptor - Project Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
1423	375300	3771450	2.96E-07
1424	375350	3771450	2.72E-07
1425	375400	3771450	2.53E-07
1426	373900	3771500	4.52E-08
1427	373950	3771500	4.97E-08
1428	374000	3771500	5.54E-08
1429	374050	3771500	6.24E-08
1430	374100	3771500	7.11E-08
1431	374150	3771500	8.27E-08
1432	374200	3771500	9.92E-08
1433	374250	3771500	1.25E-07
1434	375000	3771500	3.90E-07
1435	375050	3771500	3.64E-07
1436	375100	3771500	3.40E-07
1437	375150	3771500	3.19E-07
1438	375200	3771500	2.98E-07
1439	375250	3771500	2.81E-07
1440	375300	3771500	2.65E-07
1441	375350	3771500	2.48E-07
1442	375400	3771500	2.34E-07
1443	373900	3771550	4.34E-08
1444	373950	3771550	4.77E-08
1445	374000	3771550	5.28E-08
1446	374050	3771550	5.92E-08
1447	374100	3771550	6.73E-08
1448	374150	3771550	7.83E-08
1449	374200	3771550	9.37E-08
1450	374250	3771550	1.19E-07
1451	374300	3771550	1.61E-07
1452	374350	3771550	2.25E-07
1453	374400	3771550	3.20E-07
1454	374450	3771550	4.39E-07
1455	374500	3771550	5.02E-07
1456	374550	3771550	5.09E-07
1457	374600	3771550	4.77E-07
1458	374650	3771550	4.44E-07
1459	374700	3771550	4.26E-07
1460	374750	3771550	4.19E-07
1461	374800	3771550	4.06E-07
1462	374850	3771550	3.88E-07
1463	374900	3771550	3.62E-07
1464	374950	3771550	3.38E-07
1465	375000	3771550	3.15E-07
1466	375050	3771550	2.98E-07
1467	375100	3771550	2.79E-07
1468	375150	3771550	2.64E-07
1469	375200	3771550	2.51E-07
1470	375250	3771550	2.41E-07
1471	375300	3771550	2.31E-07
1472	375350	3771550	2.18E-07
1473	375400	3771550	2.07E-07
1474	373900	3771600	4.19E-08
1475	373950	3771600	4.59E-08
1476	374000	3771600	5.08E-08
1477	374050	3771600	5.67E-08
1478	374100	3771600	6.41E-08
1479	374150	3771600	7.43E-08
1480	374200	3771600	8.91E-08
1481	374250	3771600	1.12E-07
1482	374300	3771600	1.50E-07
1483	374350	3771600	2.05E-07
1484	374400	3771600	2.80E-07
1485	374450	3771600	3.76E-07
1486	374500	3771600	4.35E-07
1487	374550	3771600	4.44E-07
1488	374600	3771600	4.17E-07
1489	374650	3771600	3.84E-07
1490	374700	3771600	3.58E-07
1491	374750	3771600	3.43E-07
1492	374800	3771600	3.26E-07
1493	374850	3771600	3.11E-07
1494	374900	3771600	2.93E-07
1495	374950	3771600	2.75E-07
1496	375000	3771600	2.59E-07
1497	375050	3771600	2.47E-07
1498	375100	3771600	2.34E-07
1499	375150	3771600	2.23E-07
1500	375200	3771600	2.13E-07
1501	375250	3771600	2.05E-07

No.	X	Y	Risk
1423	375300	3771450	2.06E-08
1424	375350	3771450	1.90E-08
1425	375400	3771450	1.77E-08
1426	373900	3771500	3.14E-09
1427	373950	3771500	3.46E-09
1428	374000	3771500	3.86E-09
1429	374050	3771500	4.34E-09
1430	374100	3771500	4.95E-09
1431	374150	3771500	5.75E-09
1432	374200	3771500	6.90E-09
1433	374250	3771500	8.73E-09
1434	375000	3771500	2.72E-08
1435	375050	3771500	2.54E-08
1436	375100	3771500	2.37E-08
1437	375150	3771500	2.23E-08
1438	375200	3771500	2.08E-08
1439	375250	3771500	1.96E-08
1440	375300	3771500	1.85E-08
1441	375350	3771500	1.73E-08
1442	375400	3771500	1.63E-08
1443	373900	3771550	3.02E-09
1444	373950	3771550	3.32E-09
1445	374000	3771550	3.68E-09
1446	374050	3771550	4.12E-09
1447	374100	3771550	4.68E-09
1448	374150	3771550	5.45E-09
1449	374200	3771550	6.52E-09
1450	374250	3771550	8.26E-09
1451	374300	3771550	1.12E-08
1452	374350	3771550	1.57E-08
1453	374400	3771550	2.23E-08
1454	374450	3771550	3.06E-08
1455	374500	3771550	3.50E-08
1456	374550	3771550	3.54E-08
1457	374600	3771550	3.32E-08
1458	374650	3771550	3.09E-08
1459	374700	3771550	2.96E-08
1460	374750	3771550	2.91E-08
1461	374800	3771550	2.82E-08
1462	374850	3771550	2.70E-08
1463	374900	3771550	2.52E-08
1464	374950	3771550	2.35E-08
1465	375000	3771550	2.20E-08
1466	375050	3771550	2.07E-08
1467	375100	3771550	1.94E-08
1468	375150	3771550	1.84E-08
1469	375200	3771550	1.75E-08
1470	375250	3771550	1.68E-08
1471	375300	3771550	1.61E-08
1472	375350	3771550	1.52E-08
1473	375400	3771550	1.44E-08
1474	373900	3771600	2.92E-09
1475	373950	3771600	3.20E-09
1476	374000	3771600	3.53E-09
1477	374050	3771600	3.94E-09
1478	374100	3771600	4.46E-09
1479	374150	3771600	5.17E-09
1480	374200	3771600	6.20E-09
1481	374250	3771600	7.83E-09
1482	374300	3771600	1.05E-08
1483	374350	3771600	1.43E-08
1484	374400	3771600	1.95E-08
1485	374450	3771600	2.62E-08
1486	374500	3771600	3.04E-08
1487	374550	3771600	3.10E-08
1488	374600	3771600	2.90E-08
1489	374650	3771600	2.67E-08
1490	374700	3771600	2.50E-08
1491	374750	3771600	2.39E-08
1492	374800	3771600	2.27E-08
1493	374850	3771600	2.16E-08
1494	374900	3771600	2.04E-08
1495	374950	3771600	1.92E-08
1496	375000	3771600	1.80E-08
1497	375050	3771600	1.72E-08
1498	375100	3771600	1.63E-08
1499	375150	3771600	1.56E-08
1500	375200	3771600	1.49E-08
1501	375250	3771600	1.43E-08

No.	X	Y	Risk
1423	375300	3771450	8.47E-08
1424	375350	3771450	7.80E-08
1425	375400	3771450	7.27E-08
1426	373900	3771500	1.28E-08
1427	373950	3771500	1.41E-08
1428	374000	3771500	1.57E-08
1429	374050	3771500	1.77E-08
1430	374100	3771500	2.01E-08
1431	374150	3771500	2.34E-08
1432	374200	3771500	2.80E-08
1433	374250	3771500	3.55E-08
1434	375000	3771500	1.11E-07
1435	375050	3771500	1.04E-07
1436	375100	3771500	9.71E-08
1437	375150	3771500	9.13E-08
1438	375200	3771500	8.54E-08
1439	375250	3771500	8.05E-08
1440	375300	3771500	7.60E-08
1441	375350	3771500	7.11E-08
1442	375400	3771500	6.71E-08
1443	373900	3771550	1.23E-08
1444	373950	3771550	1.35E-08
1445	374000	3771550	1.50E-08
1446	374050	3771550	1.68E-08
1447	374100	3771550	1.91E-08
1448	374150	3771550	2.21E-08
1449	374200	3771550	2.65E-08
1450	374250	3771550	3.36E-08
1451	374300	3771550	4.56E-08
1452	374350	3771550	6.42E-08
1453	374400	3771550	9.11E-08
1454	374450	3771550	1.25E-07
1455	374500	3771550	1.43E-07
1456	374550	3771550	1.45E-07
1457	374600	3771550	1.35E-07
1458	374650	3771550	1.25E-07
1459	374700	3771550	1.20E-07
1460	374750	3771550	1.18E-07
1461	374800	3771550	1.15E-07
1462	374850	3771550	1.10E-07
1463	374900	3771550	1.03E-07
1464	374950	3771550	9.59E-08
1465	375000	3771550	8.96E-08
1466	375050	3771550	8.48E-08
1467	375100	3771550	7.95E-08
1468	375150	3771550	7.53E-08
1469	375200	3771550	7.17E-08
1470	375250	3771550	6.88E-08
1471	375300	3771550	6.61E-08
1472	375350	3771550	6.24E-08
1473	375400	3771550	5.93E-08
1474	373900	3771600	1.19E-08
1475	373950	3771600	1.30E-08
1476	374000	3771600	1.44E-08
1477	374050	3771600	1.61E-08
1478	374100	3771600	1.82E-08
1479	374150	3771600	2.10E-08
1480	374200	3771600	2.52E-08
1481	374250	3771600	3.19E-08
1482	374300	3771600	4.27E-08
1483	374350	3771600	5.86E-08
1484	374400	3771600	8.00E-08
1485	374450	3771600	1.08E-07
1486	374500	3771600	1.25E-07
1487	374550	3771600	1.27E-07
1488	374600	3771600	1.19E-07
1489	374650	3771600	1.09E-07
1490	374700	3771600	1.02E-07
1491	374750	3771600	9.73E-08
1492	374800	3771600	9.25E-08
1493	374850	3771600	8.81E-08
1494	374900	3771600	8.32E-08
1495	374950	3771600	7.82E-08
1496	375000	3771600	7.36E-08
1497	375050	3771600	7.02E-08
1498	375100	3771600	6.67E-08
1499	375150	3771600	6.37E-08
1500	375200	3771600	6.09E-08
1501	375250	3771600	5.85E-08

Television City

Cancer Risk by Receptor - Project Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
1502	375300	3771600	1.96E-07
1503	375350	3771600	1.87E-07
1504	375400	3771600	1.79E-07
1505	373900	3771650	4.07E-08
1506	373950	3771650	4.44E-08
1507	374000	3771650	4.89E-08
1508	374050	3771650	5.43E-08
1509	374100	3771650	6.14E-08
1510	374150	3771650	7.09E-08
1511	374200	3771650	8.49E-08
1512	374250	3771650	1.07E-07
1513	374300	3771650	1.40E-07
1514	374350	3771650	1.87E-07
1515	374400	3771650	2.49E-07
1516	374450	3771650	3.27E-07
1517	374500	3771650	3.82E-07
1518	374550	3771650	3.93E-07
1519	374600	3771650	3.72E-07
1520	374650	3771650	3.42E-07
1521	374700	3771650	3.16E-07
1522	374750	3771650	2.96E-07
1523	374800	3771650	2.80E-07
1524	374850	3771650	2.63E-07
1525	374900	3771650	2.47E-07
1526	374950	3771650	2.34E-07
1527	375000	3771650	2.21E-07
1528	375050	3771650	2.09E-07
1529	375100	3771650	1.98E-07
1530	375150	3771650	1.91E-07
1531	375200	3771650	1.82E-07
1532	375250	3771650	1.75E-07
1533	375300	3771650	1.69E-07
1534	375350	3771650	1.62E-07
1535	375400	3771650	1.55E-07
1536	373900	3771700	3.96E-08
1537	373950	3771700	4.30E-08
1538	374000	3771700	4.71E-08
1539	374050	3771700	5.21E-08
1540	374100	3771700	5.87E-08
1541	374150	3771700	6.76E-08
1542	374200	3771700	8.08E-08
1543	374250	3771700	1.01E-07
1544	374300	3771700	1.30E-07
1545	374350	3771700	1.71E-07
1546	374400	3771700	2.20E-07
1547	374450	3771700	2.87E-07
1548	374500	3771700	3.37E-07
1549	374550	3771700	3.50E-07
1550	374600	3771700	3.34E-07
1551	374650	3771700	3.09E-07
1552	374700	3771700	2.82E-07
1553	374750	3771700	2.63E-07
1554	374800	3771700	2.45E-07
1555	374850	3771700	2.29E-07
1556	374900	3771700	2.14E-07
1557	374950	3771700	2.01E-07
1558	375000	3771700	1.91E-07
1559	375050	3771700	1.82E-07
1560	375100	3771700	1.72E-07
1561	375150	3771700	1.65E-07
1562	375200	3771700	1.57E-07
1563	375250	3771700	1.53E-07
1564	375300	3771700	1.47E-07
1565	375350	3771700	1.41E-07
1566	375400	3771700	1.36E-07
1567	373900	3771750	3.84E-08
1568	373950	3771750	4.16E-08
1569	374000	3771750	4.53E-08
1570	374050	3771750	5.00E-08
1571	374100	3771750	5.61E-08
1572	374150	3771750	6.46E-08
1573	374200	3771750	7.72E-08
1574	374250	3771750	9.47E-08
1575	374300	3771750	1.21E-07
1576	374350	3771750	1.56E-07
1577	374400	3771750	1.99E-07
1578	374450	3771750	2.55E-07
1579	374500	3771750	3.01E-07
1580	374550	3771750	3.15E-07

No.	X	Y	Risk
1502	375300	3771600	1.37E-08
1503	375350	3771600	1.30E-08
1504	375400	3771600	1.25E-08
1505	373900	3771650	2.83E-09
1506	373950	3771650	3.09E-09
1507	374000	3771650	3.40E-09
1508	374050	3771650	3.78E-09
1509	374100	3771650	4.27E-09
1510	374150	3771650	4.93E-09
1511	374200	3771650	5.91E-09
1512	374250	3771650	7.42E-09
1513	374300	3771650	9.77E-09
1514	374350	3771650	1.30E-08
1515	374400	3771650	1.74E-08
1516	374450	3771650	2.28E-08
1517	374500	3771650	2.67E-08
1518	374550	3771650	2.74E-08
1519	374600	3771650	2.60E-08
1520	374650	3771650	2.38E-08
1521	374700	3771650	2.20E-08
1522	374750	3771650	2.06E-08
1523	374800	3771650	1.95E-08
1524	374850	3771650	1.83E-08
1525	374900	3771650	1.72E-08
1526	374950	3771650	1.63E-08
1527	375000	3771650	1.54E-08
1528	375050	3771650	1.46E-08
1529	375100	3771650	1.38E-08
1530	375150	3771650	1.33E-08
1531	375200	3771650	1.27E-08
1532	375250	3771650	1.22E-08
1533	375300	3771650	1.18E-08
1534	375350	3771650	1.13E-08
1535	375400	3771650	1.08E-08
1536	373900	3771700	2.76E-09
1537	373950	3771700	3.00E-09
1538	374000	3771700	3.28E-09
1539	374050	3771700	3.63E-09
1540	374100	3771700	4.09E-09
1541	374150	3771700	4.71E-09
1542	374200	3771700	5.63E-09
1543	374250	3771700	7.04E-09
1544	374300	3771700	9.05E-09
1545	374350	3771700	1.19E-08
1546	374400	3771700	1.54E-08
1547	374450	3771700	2.00E-08
1548	374500	3771700	2.36E-08
1549	374550	3771700	2.44E-08
1550	374600	3771700	2.33E-08
1551	374650	3771700	2.16E-08
1552	374700	3771700	1.97E-08
1553	374750	3771700	1.84E-08
1554	374800	3771700	1.71E-08
1555	374850	3771700	1.60E-08
1556	374900	3771700	1.49E-08
1557	374950	3771700	1.40E-08
1558	375000	3771700	1.33E-08
1559	375050	3771700	1.27E-08
1560	375100	3771700	1.20E-08
1561	375150	3771700	1.15E-08
1562	375200	3771700	1.10E-08
1563	375250	3771700	1.06E-08
1564	375300	3771700	1.02E-08
1565	375350	3771700	9.85E-09
1566	375400	3771700	9.50E-09
1567	373900	3771750	2.68E-09
1568	373950	3771750	2.90E-09
1569	374000	3771750	3.16E-09
1570	374050	3771750	3.49E-09
1571	374100	3771750	3.91E-09
1572	374150	3771750	4.50E-09
1573	374200	3771750	5.38E-09
1574	374250	3771750	6.60E-09
1575	374300	3771750	8.46E-09
1576	374350	3771750	1.09E-08
1577	374400	3771750	1.39E-08
1578	374450	3771750	1.78E-08
1579	374500	3771750	2.10E-08
1580	374550	3771750	2.20E-08

No.	X	Y	Risk
1502	375300	3771600	5.62E-08
1503	375350	3771600	5.34E-08
1504	375400	3771600	5.12E-08
1505	373900	3771650	1.15E-08
1506	373950	3771650	1.26E-08
1507	374000	3771650	1.39E-08
1508	374050	3771650	1.54E-08
1509	374100	3771650	1.74E-08
1510	374150	3771650	2.01E-08
1511	374200	3771650	2.41E-08
1512	374250	3771650	3.03E-08
1513	374300	3771650	4.00E-08
1514	374350	3771650	5.34E-08
1515	374400	3771650	7.14E-08
1516	374450	3771650	9.38E-08
1517	374500	3771650	1.10E-07
1518	374550	3771650	1.13E-07
1519	374600	3771650	1.06E-07
1520	374650	3771650	9.75E-08
1521	374700	3771650	9.00E-08
1522	374750	3771650	8.42E-08
1523	374800	3771650	7.96E-08
1524	374850	3771650	7.47E-08
1525	374900	3771650	7.02E-08
1526	374950	3771650	6.66E-08
1527	375000	3771650	6.28E-08
1528	375050	3771650	5.95E-08
1529	375100	3771650	5.65E-08
1530	375150	3771650	5.46E-08
1531	375200	3771650	5.21E-08
1532	375250	3771650	5.01E-08
1533	375300	3771650	4.82E-08
1534	375350	3771650	4.64E-08
1535	375400	3771650	4.45E-08
1536	373900	3771700	1.12E-08
1537	373950	3771700	1.22E-08
1538	374000	3771700	1.34E-08
1539	374050	3771700	1.48E-08
1540	374100	3771700	1.67E-08
1541	374150	3771700	1.92E-08
1542	374200	3771700	2.30E-08
1543	374250	3771700	2.88E-08
1544	374300	3771700	3.71E-08
1545	374350	3771700	4.89E-08
1546	374400	3771700	6.31E-08
1547	374450	3771700	8.23E-08
1548	374500	3771700	9.69E-08
1549	374550	3771700	1.00E-07
1550	374600	3771700	9.58E-08
1551	374650	3771700	8.84E-08
1552	374700	3771700	8.06E-08
1553	374750	3771700	7.51E-08
1554	374800	3771700	6.98E-08
1555	374850	3771700	6.53E-08
1556	374900	3771700	6.09E-08
1557	374950	3771700	5.73E-08
1558	375000	3771700	5.43E-08
1559	375050	3771700	5.18E-08
1560	375100	3771700	4.89E-08
1561	375150	3771700	4.70E-08
1562	375200	3771700	4.49E-08
1563	375250	3771700	4.36E-08
1564	375300	3771700	4.19E-08
1565	375350	3771700	4.04E-08
1566	375400	3771700	3.89E-08
1567	373900	3771750	1.09E-08
1568	373950	3771750	1.18E-08
1569	374000	3771750	1.29E-08
1570	374050	3771750	1.42E-08
1571	374100	3771750	1.59E-08
1572	374150	3771750	1.84E-08
1573	374200	3771750	2.20E-08
1574	374250	3771750	2.70E-08
1575	374300	3771750	3.47E-08
1576	374350	3771750	4.48E-08
1577	374400	3771750	5.71E-08
1578	374450	3771750	7.32E-08
1579	374500	3771750	8.67E-08
1580	374550	3771750	9.05E-08

Television City

Cancer Risk by Receptor - Project Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
1581	374600	3771750	3.05E-07
1582	374650	3771750	2.83E-07
1583	374700	3771750	2.59E-07
1584	374750	3771750	2.40E-07
1585	374800	3771750	2.22E-07
1586	374850	3771750	2.05E-07
1587	374900	3771750	1.90E-07
1588	374950	3771750	1.79E-07
1589	375000	3771750	1.68E-07
1590	375050	3771750	1.60E-07
1591	375100	3771750	1.51E-07
1592	375150	3771750	1.45E-07
1593	375200	3771750	1.39E-07
1594	375250	3771750	1.33E-07
1595	375300	3771750	1.27E-07
1596	375350	3771750	1.24E-07
1597	375400	3771750	1.20E-07
1598	373900	3771800	3.72E-08
1599	373950	3771800	4.01E-08
1600	374000	3771800	4.36E-08
1601	374050	3771800	4.80E-08
1602	374100	3771800	5.39E-08
1603	374150	3771800	6.21E-08
1604	374200	3771800	7.33E-08
1605	374250	3771800	9.00E-08
1606	374300	3771800	1.14E-07
1607	374350	3771800	1.44E-07
1608	374400	3771800	1.81E-07
1609	374450	3771800	2.28E-07
1610	374500	3771800	2.70E-07
1611	374550	3771800	2.86E-07
1612	374600	3771800	2.81E-07
1613	374650	3771800	2.61E-07
1614	374700	3771800	2.40E-07
1615	374750	3771800	2.21E-07
1616	374800	3771800	2.04E-07
1617	374850	3771800	1.89E-07
1618	374900	3771800	1.73E-07
1619	374950	3771800	1.61E-07
1620	375000	3771800	1.51E-07
1621	375050	3771800	1.43E-07
1622	375100	3771800	1.36E-07
1623	375150	3771800	1.30E-07
1624	375200	3771800	1.24E-07
1625	375250	3771800	1.19E-07
1626	375300	3771800	1.14E-07
1627	375350	3771800	1.09E-07
1628	375400	3771800	1.06E-07
1629	373900	3771850	3.59E-08
1630	373950	3771850	3.86E-08
1631	374000	3771850	4.20E-08
1632	374050	3771850	4.63E-08
1633	374100	3771850	5.20E-08
1634	374150	3771850	5.97E-08
1635	374200	3771850	6.98E-08
1636	374250	3771850	8.65E-08
1637	374300	3771850	1.08E-07
1638	374350	3771850	1.35E-07
1639	374400	3771850	1.66E-07
1640	374450	3771850	2.08E-07
1641	374500	3771850	2.43E-07
1642	374550	3771850	2.62E-07
1643	374600	3771850	2.60E-07
1644	374650	3771850	2.43E-07
1645	374700	3771850	2.25E-07
1646	374750	3771850	2.06E-07
1647	374800	3771850	1.90E-07
1648	374850	3771850	1.75E-07
1649	374900	3771850	1.60E-07
1650	374950	3771850	1.48E-07
1651	375000	3771850	1.38E-07
1652	375050	3771850	1.30E-07
1653	375100	3771850	1.23E-07
1654	375150	3771850	1.18E-07
1655	375200	3771850	1.12E-07
1656	375250	3771850	1.07E-07
1657	375300	3771850	1.03E-07
1658	375350	3771850	9.87E-08
1659	375400	3771850	9.46E-08

No.	X	Y	Risk
1581	374600	3771750	2.13E-08
1582	374650	3771750	1.98E-08
1583	374700	3771750	1.81E-08
1584	374750	3771750	1.67E-08
1585	374800	3771750	1.55E-08
1586	374850	3771750	1.43E-08
1587	374900	3771750	1.33E-08
1588	374950	3771750	1.25E-08
1589	375000	3771750	1.17E-08
1590	375050	3771750	1.11E-08
1591	375100	3771750	1.05E-08
1592	375150	3771750	1.01E-08
1593	375200	3771750	9.70E-09
1594	375250	3771750	9.31E-09
1595	375300	3771750	8.88E-09
1596	375350	3771750	8.65E-09
1597	375400	3771750	8.37E-09
1598	373900	3771800	2.59E-09
1599	373950	3771800	2.79E-09
1600	374000	3771800	3.04E-09
1601	374050	3771800	3.35E-09
1602	374100	3771800	3.76E-09
1603	374150	3771800	4.33E-09
1604	374200	3771800	5.11E-09
1605	374250	3771800	6.28E-09
1606	374300	3771800	7.96E-09
1607	374350	3771800	1.01E-08
1608	374400	3771800	1.27E-08
1609	374450	3771800	1.59E-08
1610	374500	3771800	1.88E-08
1611	374550	3771800	2.00E-08
1612	374600	3771800	1.96E-08
1613	374650	3771800	1.83E-08
1614	374700	3771800	1.68E-08
1615	374750	3771800	1.54E-08
1616	374800	3771800	1.42E-08
1617	374850	3771800	1.32E-08
1618	374900	3771800	1.21E-08
1619	374950	3771800	1.12E-08
1620	375000	3771800	1.05E-08
1621	375050	3771800	1.00E-08
1622	375100	3771800	9.45E-09
1623	375150	3771800	9.10E-09
1624	375200	3771800	8.63E-09
1625	375250	3771800	8.31E-09
1626	375300	3771800	7.96E-09
1627	375350	3771800	7.63E-09
1628	375400	3771800	7.40E-09
1629	373900	3771850	2.50E-09
1630	373950	3771850	2.69E-09
1631	374000	3771850	2.93E-09
1632	374050	3771850	3.22E-09
1633	374100	3771850	3.62E-09
1634	374150	3771850	4.16E-09
1635	374200	3771850	4.87E-09
1636	374250	3771850	6.03E-09
1637	374300	3771850	7.51E-09
1638	374350	3771850	9.40E-09
1639	374400	3771850	1.16E-08
1640	374450	3771850	1.45E-08
1641	374500	3771850	1.70E-08
1642	374550	3771850	1.83E-08
1643	374600	3771850	1.81E-08
1644	374650	3771850	1.70E-08
1645	374700	3771850	1.57E-08
1646	374750	3771850	1.44E-08
1647	374800	3771850	1.32E-08
1648	374850	3771850	1.22E-08
1649	374900	3771850	1.12E-08
1650	374950	3771850	1.04E-08
1651	375000	3771850	9.64E-09
1652	375050	3771850	9.08E-09
1653	375100	3771850	8.60E-09
1654	375150	3771850	8.22E-09
1655	375200	3771850	7.82E-09
1656	375250	3771850	7.46E-09
1657	375300	3771850	7.17E-09
1658	375350	3771850	6.88E-09
1659	375400	3771850	6.60E-09

No.	X	Y	Risk
1581	374600	3771750	8.75E-08
1582	374650	3771750	8.12E-08
1583	374700	3771750	7.42E-08
1584	374750	3771750	6.86E-08
1585	374800	3771750	6.33E-08
1586	374850	3771750	5.85E-08
1587	374900	3771750	5.43E-08
1588	374950	3771750	5.10E-08
1589	375000	3771750	4.78E-08
1590	375050	3771750	4.56E-08
1591	375100	3771750	4.31E-08
1592	375150	3771750	4.15E-08
1593	375200	3771750	3.97E-08
1594	375250	3771750	3.81E-08
1595	375300	3771750	3.64E-08
1596	375350	3771750	3.55E-08
1597	375400	3771750	3.43E-08
1598	373900	3771800	1.06E-08
1599	373950	3771800	1.14E-08
1600	374000	3771800	1.24E-08
1601	374050	3771800	1.37E-08
1602	374100	3771800	1.53E-08
1603	374150	3771800	1.77E-08
1604	374200	3771800	2.09E-08
1605	374250	3771800	2.57E-08
1606	374300	3771800	3.26E-08
1607	374350	3771800	4.14E-08
1608	374400	3771800	5.20E-08
1609	374450	3771800	6.55E-08
1610	374500	3771800	7.76E-08
1611	374550	3771800	8.23E-08
1612	374600	3771800	8.06E-08
1613	374650	3771800	7.50E-08
1614	374700	3771800	6.88E-08
1615	374750	3771800	6.32E-08
1616	374800	3771800	5.83E-08
1617	374850	3771800	5.40E-08
1618	374900	3771800	4.94E-08
1619	374950	3771800	4.60E-08
1620	375000	3771800	4.31E-08
1621	375050	3771800	4.09E-08
1622	375100	3771800	3.87E-08
1623	375150	3771800	3.73E-08
1624	375200	3771800	3.54E-08
1625	375250	3771800	3.41E-08
1626	375300	3771800	3.26E-08
1627	375350	3771800	3.13E-08
1628	375400	3771800	3.03E-08
1629	373900	3771850	1.02E-08
1630	373950	3771850	1.10E-08
1631	374000	3771850	1.20E-08
1632	374050	3771850	1.32E-08
1633	374100	3771850	1.48E-08
1634	374150	3771850	1.70E-08
1635	374200	3771850	1.99E-08
1636	374250	3771850	2.47E-08
1637	374300	3771850	3.08E-08
1638	374350	3771850	3.86E-08
1639	374400	3771850	4.78E-08
1640	374450	3771850	5.97E-08
1641	374500	3771850	6.99E-08
1642	374550	3771850	7.54E-08
1643	374600	3771850	7.47E-08
1644	374650	3771850	6.99E-08
1645	374700	3771850	6.45E-08
1646	374750	3771850	5.91E-08
1647	374800	3771850	5.43E-08
1648	374850	3771850	5.02E-08
1649	374900	3771850	4.58E-08
1650	374950	3771850	4.24E-08
1651	375000	3771850	3.95E-08
1652	375050	3771850	3.72E-08
1653	375100	3771850	3.52E-08
1654	375150	3771850	3.37E-08
1655	375200	3771850	3.20E-08
1656	375250	3771850	3.06E-08
1657	375300	3771850	2.94E-08
1658	375350	3771850	2.82E-08
1659	375400	3771850	2.70E-08

Television City

Cancer Risk by Receptor - Project Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
1660	373900	3771900	3.47E-08
1661	373950	3771900	3.74E-08
1662	374000	3771900	4.06E-08
1663	374050	3771900	4.47E-08
1664	374100	3771900	5.03E-08
1665	374150	3771900	5.80E-08
1666	374200	3771900	6.79E-08
1667	374250	3771900	8.32E-08
1668	374300	3771900	1.02E-07
1669	374350	3771900	1.26E-07
1670	374400	3771900	1.53E-07
1671	374450	3771900	1.88E-07
1672	374500	3771900	2.19E-07
1673	374550	3771900	2.40E-07
1674	374600	3771900	2.39E-07
1675	374650	3771900	2.28E-07
1676	374700	3771900	2.10E-07
1677	374750	3771900	1.94E-07
1678	374800	3771900	1.78E-07
1679	374850	3771900	1.65E-07
1680	374900	3771900	1.50E-07
1681	374950	3771900	1.38E-07
1682	375000	3771900	1.28E-07
1683	375050	3771900	1.20E-07
1684	375100	3771900	1.13E-07
1685	375150	3771900	1.08E-07
1686	375200	3771900	1.02E-07
1687	375250	3771900	9.68E-08
1688	375300	3771900	9.31E-08
1689	375350	3771900	8.95E-08
1690	375400	3771900	8.57E-08
1691	373900	3771950	3.36E-08
1692	373950	3771950	3.61E-08
1693	374000	3771950	3.92E-08
1694	374050	3771950	4.33E-08
1695	374100	3771950	4.88E-08
1696	374150	3771950	5.60E-08
1697	374200	3771950	6.55E-08
1698	374250	3771950	7.88E-08
1699	374300	3771950	9.63E-08
1700	374350	3771950	1.18E-07
1701	374400	3771950	1.42E-07
1702	374450	3771950	1.73E-07
1703	374500	3771950	2.00E-07
1704	374550	3771950	2.22E-07
1705	374600	3771950	2.23E-07
1706	374650	3771950	2.14E-07
1707	374700	3771950	1.98E-07
1708	374750	3771950	1.83E-07
1709	374800	3771950	1.68E-07
1710	374850	3771950	1.55E-07
1711	374900	3771950	1.42E-07
1712	374950	3771950	1.30E-07
1713	375000	3771950	1.20E-07
1714	375050	3771950	1.12E-07
1715	375100	3771950	1.05E-07
1716	375150	3771950	9.98E-08
1717	375200	3771950	9.43E-08
1718	375250	3771950	8.93E-08
1719	375300	3771950	8.51E-08
1720	375350	3771950	8.15E-08
1721	375400	3771950	7.80E-08
1722	373900	3772000	3.24E-08
1723	373950	3772000	3.49E-08
1724	374000	3772000	3.80E-08
1725	374050	3772000	4.18E-08
1726	374100	3772000	4.69E-08
1727	374150	3772000	5.37E-08
1728	374200	3772000	6.33E-08
1729	374250	3772000	7.57E-08
1730	374300	3772000	9.19E-08
1731	374350	3772000	1.11E-07
1732	374400	3772000	1.34E-07
1733	374450	3772000	1.60E-07
1734	374500	3772000	1.86E-07
1735	374550	3772000	2.05E-07
1736	374600	3772000	2.09E-07
1737	374650	3772000	2.02E-07
1738	374700	3772000	1.88E-07

No.	X	Y	Risk
1660	373900	3771900	2.42E-09
1661	373950	3771900	2.60E-09
1662	374000	3771900	2.83E-09
1663	374050	3771900	3.11E-09
1664	374100	3771900	3.51E-09
1665	374150	3771900	4.04E-09
1666	374200	3771900	4.73E-09
1667	374250	3771900	5.80E-09
1668	374300	3771900	7.11E-09
1669	374350	3771900	8.79E-09
1670	374400	3771900	1.07E-08
1671	374450	3771900	1.31E-08
1672	374500	3771900	1.53E-08
1673	374550	3771900	1.68E-08
1674	374600	3771900	1.67E-08
1675	374650	3771900	1.59E-08
1676	374700	3771900	1.47E-08
1677	374750	3771900	1.36E-08
1678	374800	3771900	1.24E-08
1679	374850	3771900	1.15E-08
1680	374900	3771900	1.05E-08
1681	374950	3771900	9.63E-09
1682	375000	3771900	8.92E-09
1683	375050	3771900	8.36E-09
1684	375100	3771900	7.90E-09
1685	375150	3771900	7.55E-09
1686	375200	3771900	7.12E-09
1687	375250	3771900	6.75E-09
1688	375300	3771900	6.49E-09
1689	375350	3771900	6.24E-09
1690	375400	3771900	5.98E-09
1691	373900	3771950	2.34E-09
1692	373950	3771950	2.51E-09
1693	374000	3771950	2.73E-09
1694	374050	3771950	3.02E-09
1695	374100	3771950	3.40E-09
1696	374150	3771950	3.90E-09
1697	374200	3771950	4.57E-09
1698	374250	3771950	5.50E-09
1699	374300	3771950	6.73E-09
1700	374350	3771950	8.24E-09
1701	374400	3771950	9.95E-09
1702	374450	3771950	1.21E-08
1703	374500	3771950	1.40E-08
1704	374550	3771950	1.55E-08
1705	374600	3771950	1.56E-08
1706	374650	3771950	1.50E-08
1707	374700	3771950	1.38E-08
1708	374750	3771950	1.28E-08
1709	374800	3771950	1.18E-08
1710	374850	3771950	1.08E-08
1711	374900	3771950	9.92E-09
1712	374950	3771950	9.07E-09
1713	375000	3771950	8.36E-09
1714	375050	3771950	7.79E-09
1715	375100	3771950	7.30E-09
1716	375150	3771950	6.96E-09
1717	375200	3771950	6.58E-09
1718	375250	3771950	6.23E-09
1719	375300	3771950	5.94E-09
1720	375350	3771950	5.68E-09
1721	375400	3771950	5.44E-09
1722	373900	3772000	2.26E-09
1723	373950	3772000	2.43E-09
1724	374000	3772000	2.65E-09
1725	374050	3772000	2.92E-09
1726	374100	3772000	3.27E-09
1727	374150	3772000	3.74E-09
1728	374200	3772000	4.42E-09
1729	374250	3772000	5.29E-09
1730	374300	3772000	6.41E-09
1731	374350	3772000	7.76E-09
1732	374400	3772000	9.33E-09
1733	374450	3772000	1.12E-08
1734	374500	3772000	1.30E-08
1735	374550	3772000	1.43E-08
1736	374600	3772000	1.46E-08
1737	374650	3772000	1.41E-08
1738	374700	3772000	1.31E-08

No.	X	Y	Risk
1660	373900	3771900	9.87E-09
1661	373950	3771900	1.06E-08
1662	374000	3771900	1.16E-08
1663	374050	3771900	1.27E-08
1664	374100	3771900	1.43E-08
1665	374150	3771900	1.66E-08
1666	374200	3771900	1.94E-08
1667	374250	3771900	2.38E-08
1668	374300	3771900	2.92E-08
1669	374350	3771900	3.62E-08
1670	374400	3771900	4.40E-08
1671	374450	3771900	5.40E-08
1672	374500	3771900	6.31E-08
1673	374550	3771900	6.92E-08
1674	374600	3771900	6.88E-08
1675	374650	3771900	6.55E-08
1676	374700	3771900	6.04E-08
1677	374750	3771900	5.57E-08
1678	374800	3771900	5.11E-08
1679	374850	3771900	4.72E-08
1680	374900	3771900	4.30E-08
1681	374950	3771900	3.95E-08
1682	375000	3771900	3.66E-08
1683	375050	3771900	3.42E-08
1684	375100	3771900	3.24E-08
1685	375150	3771900	3.10E-08
1686	375200	3771900	2.92E-08
1687	375250	3771900	2.77E-08
1688	375300	3771900	2.66E-08
1689	375350	3771900	2.56E-08
1690	375400	3771900	2.45E-08
1691	373900	3771950	9.55E-09
1692	373950	3771950	1.03E-08
1693	374000	3771950	1.12E-08
1694	374050	3771950	1.23E-08
1695	374100	3771950	1.39E-08
1696	374150	3771950	1.60E-08
1697	374200	3771950	1.87E-08
1698	374250	3771950	2.26E-08
1699	374300	3771950	2.76E-08
1700	374350	3771950	3.39E-08
1701	374400	3771950	4.10E-08
1702	374450	3771950	4.99E-08
1703	374500	3771950	5.76E-08
1704	374550	3771950	6.40E-08
1705	374600	3771950	6.42E-08
1706	374650	3771950	6.17E-08
1707	374700	3771950	5.70E-08
1708	374750	3771950	5.26E-08
1709	374800	3771950	4.83E-08
1710	374850	3771950	4.44E-08
1711	374900	3771950	4.07E-08
1712	374950	3771950	3.72E-08
1713	375000	3771950	3.43E-08
1714	375050	3771950	3.19E-08
1715	375100	3771950	2.99E-08
1716	375150	3771950	2.85E-08
1717	375200	3771950	2.70E-08
1718	375250	3771950	2.55E-08
1719	375300	3771950	2.43E-08
1720	375350	3771950	2.33E-08
1721	375400	3771950	2.23E-08
1722	373900	3772000	9.23E-09
1723	373950	3772000	9.95E-09
1724	374000	3772000	1.08E-08
1725	374050	3772000	1.19E-08
1726	374100	3772000	1.34E-08
1727	374150	3772000	1.53E-08
1728	374200	3772000	1.81E-08
1729	374250	3772000	2.17E-08
1730	374300	3772000	2.64E-08
1731	374350	3772000	3.19E-08
1732	374400	3772000	3.85E-08
1733	374450	3772000	4.60E-08
1734	374500	3772000	5.36E-08
1735	374550	3772000	5.90E-08
1736	374600	3772000	6.02E-08
1737	374650	3772000	5.81E-08
1738	374700	3772000	5.40E-08

Television City

Cancer Risk by Receptor - Project Operations

Residential Exposure Parameters: 30-year exposure duration, 3rd trimester start age

Worker Exposure Parametres: 25-year exposure duration, age 16 start age

Student Exposure Parameters: 7-year exposure duration, age 5 start age

No.	X	Y	Risk
1739	374750	3772000	1.73E-07
1740	374800	3772000	1.59E-07
1741	374850	3772000	1.47E-07
1742	374900	3772000	1.35E-07
1743	374950	3772000	1.23E-07
1744	375000	3772000	1.13E-07
1745	375050	3772000	1.05E-07
1746	375100	3772000	9.71E-08
1747	375150	3772000	9.23E-08
1748	375200	3772000	8.74E-08
1749	375250	3772000	8.28E-08
1750	375300	3772000	7.87E-08
1751	375350	3772000	7.47E-08
1752	375400	3772000	7.14E-08

No.	X	Y	Risk
1739	374750	3772000	1.21E-08
1740	374800	3772000	1.11E-08
1741	374850	3772000	1.03E-08
1742	374900	3772000	9.41E-09
1743	374950	3772000	8.60E-09
1744	375000	3772000	7.89E-09
1745	375050	3772000	7.32E-09
1746	375100	3772000	6.77E-09
1747	375150	3772000	6.44E-09
1748	375200	3772000	6.10E-09
1749	375250	3772000	5.78E-09
1750	375300	3772000	5.49E-09
1751	375350	3772000	5.21E-09
1752	375400	3772000	4.98E-09

No.	X	Y	Risk
1739	374750	3772000	4.97E-08
1740	374800	3772000	4.58E-08
1741	374850	3772000	4.22E-08
1742	374900	3772000	3.87E-08
1743	374950	3772000	3.53E-08
1744	375000	3772000	3.24E-08
1745	375050	3772000	3.00E-08
1746	375100	3772000	2.78E-08
1747	375150	3772000	2.64E-08
1748	375200	3772000	2.50E-08
1749	375250	3772000	2.37E-08
1750	375300	3772000	2.25E-08
1751	375350	3772000	2.14E-08
1752	375400	3772000	2.04E-08

Television City

Project Operations - Chronic and Acute Risk by Receptor

No.	X	Y	Chronic HI	Max
1	374290	3771020	2.55E-04	1.74E-02
2	374310	3771020	2.73E-04	
3	374330	3771020	2.93E-04	
4	374350	3771020	3.14E-04	
5	374370	3771020	3.36E-04	
6	374290	3771040	2.69E-04	
7	374310	3771040	2.90E-04	
8	374330	3771040	3.14E-04	
9	374350	3771040	3.38E-04	
10	374370	3771040	3.64E-04	
11	374290	3771060	2.84E-04	
12	374310	3771060	3.09E-04	
13	374330	3771060	3.36E-04	
14	374350	3771060	3.66E-04	
15	374370	3771060	3.98E-04	
16	374290	3771080	3.00E-04	
17	374310	3771080	3.30E-04	
18	374330	3771080	3.62E-04	
19	374350	3771080	3.98E-04	
20	374370	3771080	4.38E-04	
21	374290	3771100	3.18E-04	
22	374310	3771100	3.52E-04	
23	374330	3771100	3.92E-04	
24	374350	3771100	4.37E-04	
25	374370	3771100	4.88E-04	
26	374290	3771120	3.35E-04	
27	374310	3771120	3.75E-04	
28	374330	3771120	4.24E-04	
29	374350	3771120	4.83E-04	
30	374370	3771120	5.53E-04	
31	374290	3771140	3.52E-04	
32	374310	3771140	3.99E-04	
33	374330	3771140	4.59E-04	
34	374350	3771140	5.37E-04	
35	374370	3771140	6.39E-04	
36	374290	3771160	3.68E-04	
37	374310	3771160	4.21E-04	
38	374330	3771160	4.93E-04	
39	374350	3771160	5.96E-04	
40	374370	3771160	7.57E-04	
41	374290	3771180	3.80E-04	
42	374310	3771180	4.39E-04	
43	374330	3771180	5.21E-04	
44	374350	3771180	6.49E-04	
45	374370	3771180	9.03E-04	
46	374290	3771200	3.90E-04	
47	374310	3771200	4.51E-04	
48	374330	3771200	5.37E-04	
49	374350	3771200	6.72E-04	
50	374370	3771200	9.53E-04	
51	374290	3771220	3.96E-04	
52	374310	3771220	4.58E-04	
53	374330	3771220	5.40E-04	
54	374350	3771220	6.61E-04	

No.	X	Y	Acute HI	Max
1	374290	3771020	4.31E-02	6.53E-01
2	374310	3771020	4.48E-02	
3	374330	3771020	4.69E-02	
4	374350	3771020	4.91E-02	
5	374370	3771020	5.03E-02	
6	374290	3771040	4.37E-02	
7	374310	3771040	4.45E-02	
8	374330	3771040	4.62E-02	
9	374350	3771040	4.85E-02	
10	374370	3771040	5.08E-02	
11	374290	3771060	4.42E-02	
12	374310	3771060	4.51E-02	
13	374330	3771060	4.59E-02	
14	374350	3771060	4.75E-02	
15	374370	3771060	5.00E-02	
16	374290	3771080	4.93E-02	
17	374310	3771080	4.64E-02	
18	374330	3771080	4.62E-02	
19	374350	3771080	4.68E-02	
20	374370	3771080	4.91E-02	
21	374290	3771100	5.22E-02	
22	374310	3771100	5.28E-02	
23	374330	3771100	5.23E-02	
24	374350	3771100	4.84E-02	
25	374370	3771100	4.87E-02	
26	374290	3771120	5.36E-02	
27	374310	3771120	5.50E-02	
28	374330	3771120	5.62E-02	
29	374350	3771120	5.59E-02	
30	374370	3771120	5.39E-02	
31	374290	3771140	5.42E-02	
32	374310	3771140	5.60E-02	
33	374330	3771140	5.78E-02	
34	374350	3771140	5.94E-02	
35	374370	3771140	5.92E-02	
36	374290	3771160	5.33E-02	
37	374310	3771160	5.69E-02	
38	374330	3771160	5.94E-02	
39	374350	3771160	6.29E-02	
40	374370	3771160	6.40E-02	
41	374290	3771180	6.23E-02	
42	374310	3771180	6.36E-02	
43	374330	3771180	6.05E-02	
44	374350	3771180	6.38E-02	
45	374370	3771180	6.59E-02	
46	374290	3771200	7.13E-02	
47	374310	3771200	7.32E-02	
48	374330	3771200	7.55E-02	
49	374350	3771200	7.82E-02	
50	374370	3771200	7.65E-02	
51	374290	3771220	7.59E-02	
52	374310	3771220	7.81E-02	
53	374330	3771220	8.11E-02	
54	374350	3771220	8.41E-02	

Television City
Acute and Chronic Risk by Receptor

No.	X	Y	Chronic HI	Max
55	374370	3771220	8.63E-04	
56	374290	3771240	4.00E-04	
57	374310	3771240	4.61E-04	
58	374330	3771240	5.39E-04	
59	374350	3771240	6.44E-04	
60	374370	3771240	7.91E-04	
61	374290	3771260	4.03E-04	
62	374310	3771260	4.63E-04	
63	374330	3771260	5.38E-04	
64	374350	3771260	6.34E-04	
65	374370	3771260	7.63E-04	
66	374290	3771280	4.04E-04	
67	374310	3771280	4.64E-04	
68	374330	3771280	5.38E-04	
69	374350	3771280	6.33E-04	
70	374370	3771280	7.61E-04	
71	374290	3771300	4.04E-04	
72	374310	3771300	4.64E-04	
73	374330	3771300	5.40E-04	
74	374350	3771300	6.37E-04	
75	374370	3771300	7.70E-04	
76	374290	3771320	4.03E-04	
77	374310	3771320	4.64E-04	
78	374330	3771320	5.40E-04	
79	374350	3771320	6.42E-04	
80	374370	3771320	7.81E-04	
81	374290	3771340	3.99E-04	
82	374310	3771340	4.60E-04	
83	374330	3771340	5.38E-04	
84	374350	3771340	6.42E-04	
85	374370	3771340	7.86E-04	
86	374290	3771360	3.92E-04	
87	374310	3771360	4.52E-04	
88	374330	3771360	5.29E-04	
89	374350	3771360	6.33E-04	
90	374370	3771360	7.76E-04	
91	374290	3771380	3.82E-04	
92	374310	3771380	4.40E-04	
93	374330	3771380	5.15E-04	
94	374350	3771380	6.14E-04	
95	374370	3771380	7.50E-04	
96	374290	3771400	3.70E-04	
97	374310	3771400	4.25E-04	
98	374330	3771400	4.96E-04	
99	374350	3771400	5.89E-04	
100	374370	3771400	7.14E-04	
101	374290	3771420	3.56E-04	
102	374310	3771420	4.06E-04	
103	374330	3771420	4.71E-04	
104	374350	3771420	5.56E-04	
105	374370	3771420	6.68E-04	
106	374290	3771440	3.40E-04	
107	374310	3771440	3.86E-04	
108	374330	3771440	4.44E-04	
109	374350	3771440	5.18E-04	
110	374370	3771440	6.15E-04	
111	374390	3771440	7.45E-04	

No.	X	Y	Acute HI	Max
55	374370	3771220	8.53E-02	
56	374290	3771240	7.83E-02	
57	374310	3771240	8.05E-02	
58	374330	3771240	8.31E-02	
59	374350	3771240	8.54E-02	
60	374370	3771240	8.77E-02	
61	374290	3771260	8.15E-02	
62	374310	3771260	8.45E-02	
63	374330	3771260	8.71E-02	
64	374350	3771260	8.91E-02	
65	374370	3771260	9.00E-02	
66	374290	3771280	8.76E-02	
67	374310	3771280	8.98E-02	
68	374330	3771280	9.15E-02	
69	374350	3771280	9.30E-02	
70	374370	3771280	9.68E-02	
71	374290	3771300	9.21E-02	
72	374310	3771300	9.48E-02	
73	374330	3771300	9.75E-02	
74	374350	3771300	1.00E-01	
75	374370	3771300	1.02E-01	
76	374290	3771320	9.35E-02	
77	374310	3771320	9.69E-02	
78	374330	3771320	1.00E-01	
79	374350	3771320	1.04E-01	
80	374370	3771320	1.06E-01	
81	374290	3771340	9.39E-02	
82	374310	3771340	9.67E-02	
83	374330	3771340	9.99E-02	
84	374350	3771340	1.03E-01	
85	374370	3771340	1.06E-01	
86	374290	3771360	9.27E-02	
87	374310	3771360	9.56E-02	
88	374330	3771360	9.86E-02	
89	374350	3771360	1.01E-01	
90	374370	3771360	1.04E-01	
91	374290	3771380	9.04E-02	
92	374310	3771380	9.25E-02	
93	374330	3771380	9.39E-02	
94	374350	3771380	9.64E-02	
95	374370	3771380	9.85E-02	
96	374290	3771400	8.65E-02	
97	374310	3771400	8.83E-02	
98	374330	3771400	9.01E-02	
99	374350	3771400	9.19E-02	
100	374370	3771400	9.31E-02	
101	374290	3771420	8.29E-02	
102	374310	3771420	8.57E-02	
103	374330	3771420	9.02E-02	
104	374350	3771420	9.44E-02	
105	374370	3771420	9.86E-02	
106	374290	3771440	8.64E-02	
107	374310	3771440	8.99E-02	
108	374330	3771440	9.29E-02	
109	374350	3771440	9.57E-02	
110	374370	3771440	9.83E-02	
111	374390	3771440	1.01E-01	

Television City
Acute and Chronic Risk by Receptor

No.	X	Y	Chronic HI	Max
112	374410	3771440	9.28E-04	
113	374430	3771440	1.18E-03	
114	374450	3771440	1.55E-03	
115	374470	3771440	2.08E-03	
116	374490	3771440	2.71E-03	
117	374510	3771440	3.22E-03	
118	374530	3771440	3.51E-03	
119	374550	3771440	3.70E-03	
120	374570	3771440	3.74E-03	
121	374590	3771440	3.66E-03	
122	374610	3771440	3.55E-03	
123	374630	3771440	3.48E-03	
124	374650	3771440	3.40E-03	
125	374670	3771440	3.13E-03	
126	374690	3771440	2.81E-03	
127	374710	3771440	2.72E-03	
128	374730	3771440	2.88E-03	
129	374750	3771440	3.18E-03	
130	374770	3771440	2.90E-03	
131	374790	3771440	2.38E-03	
132	374810	3771440	2.02E-03	
133	374830	3771440	1.77E-03	
134	374850	3771440	1.57E-03	
135	374870	3771440	1.41E-03	
136	374890	3771440	1.28E-03	
137	374910	3771440	1.16E-03	
138	374930	3771440	1.06E-03	
139	374950	3771440	9.70E-04	
140	374290	3771460	3.23E-04	
141	374310	3771460	3.65E-04	
142	374330	3771460	4.17E-04	
143	374350	3771460	4.81E-04	
144	374370	3771460	5.61E-04	
145	374390	3771460	6.66E-04	
146	374410	3771460	8.04E-04	
147	374430	3771460	9.84E-04	
148	374450	3771460	1.21E-03	
149	374470	3771460	1.48E-03	
150	374490	3771460	1.77E-03	
151	374510	3771460	2.03E-03	
152	374530	3771460	2.22E-03	
153	374550	3771460	2.35E-03	
154	374570	3771460	2.42E-03	
155	374590	3771460	2.44E-03	
156	374610	3771460	2.43E-03	
157	374630	3771460	2.40E-03	
158	374650	3771460	2.35E-03	
159	374670	3771460	2.26E-03	
160	374690	3771460	2.18E-03	
161	374710	3771460	2.14E-03	
162	374730	3771460	2.14E-03	
163	374750	3771460	2.13E-03	
164	374770	3771460	2.03E-03	
165	374790	3771460	1.86E-03	
166	374810	3771460	1.68E-03	
167	374830	3771460	1.52E-03	
168	374850	3771460	1.38E-03	

No.	X	Y	Acute HI	Max
112	374410	3771440	1.05E-01	
113	374430	3771440	1.10E-01	
114	374450	3771440	1.15E-01	
115	374470	3771440	1.20E-01	
116	374490	3771440	1.26E-01	
117	374510	3771440	1.32E-01	
118	374530	3771440	1.36E-01	
119	374550	3771440	1.40E-01	
120	374570	3771440	1.45E-01	
121	374590	3771440	1.50E-01	
122	374610	3771440	1.52E-01	
123	374630	3771440	1.46E-01	
124	374650	3771440	1.31E-01	
125	374670	3771440	1.20E-01	
126	374690	3771440	1.13E-01	
127	374710	3771440	1.01E-01	
128	374730	3771440	1.18E-01	
129	374750	3771440	1.32E-01	
130	374770	3771440	1.32E-01	
131	374790	3771440	1.09E-01	
132	374810	3771440	9.42E-02	
133	374830	3771440	7.96E-02	
134	374850	3771440	7.15E-02	
135	374870	3771440	7.02E-02	
136	374890	3771440	6.76E-02	
137	374910	3771440	6.40E-02	
138	374930	3771440	6.12E-02	
139	374950	3771440	6.15E-02	
140	374290	3771460	8.70E-02	
141	374310	3771460	8.94E-02	
142	374330	3771460	9.17E-02	
143	374350	3771460	9.53E-02	
144	374370	3771460	9.83E-02	
145	374390	3771460	1.02E-01	
146	374410	3771460	1.06E-01	
147	374430	3771460	1.12E-01	
148	374450	3771460	1.18E-01	
149	374470	3771460	1.22E-01	
150	374490	3771460	1.26E-01	
151	374510	3771460	1.30E-01	
152	374530	3771460	1.34E-01	
153	374550	3771460	1.39E-01	
154	374570	3771460	1.44E-01	
155	374590	3771460	1.43E-01	
156	374610	3771460	1.38E-01	
157	374630	3771460	1.35E-01	
158	374650	3771460	1.28E-01	
159	374670	3771460	1.19E-01	
160	374690	3771460	9.90E-02	
161	374710	3771460	9.50E-02	
162	374730	3771460	1.02E-01	
163	374750	3771460	1.20E-01	
164	374770	3771460	1.17E-01	
165	374790	3771460	1.02E-01	
166	374810	3771460	9.18E-02	
167	374830	3771460	8.05E-02	
168	374850	3771460	7.18E-02	

Television City
Acute and Chronic Risk by Receptor

No.	X	Y	Chronic HI	Max
169	374870	3771460	1.26E-03	
170	374890	3771460	1.16E-03	
171	374910	3771460	1.06E-03	
172	374930	3771460	9.75E-04	
173	374950	3771460	8.98E-04	
174	374290	3771480	3.06E-04	
175	374310	3771480	3.44E-04	
176	374330	3771480	3.89E-04	
177	374350	3771480	4.44E-04	
178	374370	3771480	5.11E-04	
179	374390	3771480	5.94E-04	
180	374410	3771480	6.98E-04	
181	374430	3771480	8.25E-04	
182	374450	3771480	9.73E-04	
183	374470	3771480	1.14E-03	
184	374490	3771480	1.31E-03	
185	374510	3771480	1.46E-03	
186	374530	3771480	1.60E-03	
187	374550	3771480	1.70E-03	
188	374570	3771480	1.76E-03	
189	374590	3771480	1.80E-03	
190	374610	3771480	1.82E-03	
191	374630	3771480	1.82E-03	
192	374650	3771480	1.80E-03	
193	374670	3771480	1.77E-03	
194	374690	3771480	1.74E-03	
195	374710	3771480	1.71E-03	
196	374730	3771480	1.69E-03	
197	374750	3771480	1.65E-03	
198	374770	3771480	1.59E-03	
199	374790	3771480	1.51E-03	
200	374810	3771480	1.41E-03	
201	374830	3771480	1.31E-03	
202	374850	3771480	1.21E-03	
203	374870	3771480	1.12E-03	
204	374890	3771480	1.04E-03	
205	374910	3771480	9.62E-04	
206	374930	3771480	8.91E-04	
207	374950	3771480	8.27E-04	
208	374290	3771500	2.89E-04	
209	374310	3771500	3.22E-04	
210	374330	3771500	3.62E-04	
211	374350	3771500	4.10E-04	
212	374370	3771500	4.65E-04	
213	374390	3771500	5.31E-04	
214	374410	3771500	6.12E-04	
215	374430	3771500	7.05E-04	
216	374450	3771500	8.09E-04	
217	374470	3771500	9.22E-04	
218	374490	3771500	1.03E-03	
219	374510	3771500	1.14E-03	
220	374530	3771500	1.23E-03	
221	374550	3771500	1.31E-03	
222	374570	3771500	1.36E-03	
223	374590	3771500	1.40E-03	
224	374610	3771500	1.43E-03	
225	374630	3771500	1.43E-03	

No.	X	Y	Acute HI	Max
169	374870	3771460	6.60E-02	
170	374890	3771460	6.55E-02	
171	374910	3771460	6.24E-02	
172	374930	3771460	6.02E-02	
173	374950	3771460	5.80E-02	
174	374290	3771480	8.68E-02	
175	374310	3771480	9.06E-02	
176	374330	3771480	9.37E-02	
177	374350	3771480	9.65E-02	
178	374370	3771480	1.00E-01	
179	374390	3771480	1.05E-01	
180	374410	3771480	1.08E-01	
181	374430	3771480	1.13E-01	
182	374450	3771480	1.17E-01	
183	374470	3771480	1.21E-01	
184	374490	3771480	1.25E-01	
185	374510	3771480	1.30E-01	
186	374530	3771480	1.34E-01	
187	374550	3771480	1.35E-01	
188	374570	3771480	1.34E-01	
189	374590	3771480	1.31E-01	
190	374610	3771480	1.25E-01	
191	374630	3771480	1.17E-01	
192	374650	3771480	1.07E-01	
193	374670	3771480	1.08E-01	
194	374690	3771480	1.02E-01	
195	374710	3771480	8.98E-02	
196	374730	3771480	9.53E-02	
197	374750	3771480	1.01E-01	
198	374770	3771480	1.01E-01	
199	374790	3771480	9.99E-02	
200	374810	3771480	9.08E-02	
201	374830	3771480	8.18E-02	
202	374850	3771480	7.14E-02	
203	374870	3771480	6.67E-02	
204	374890	3771480	6.26E-02	
205	374910	3771480	6.22E-02	
206	374930	3771480	5.97E-02	
207	374950	3771480	5.76E-02	
208	374290	3771500	8.88E-02	
209	374310	3771500	9.18E-02	
210	374330	3771500	9.46E-02	
211	374350	3771500	9.69E-02	
212	374370	3771500	1.01E-01	
213	374390	3771500	1.05E-01	
214	374410	3771500	1.09E-01	
215	374430	3771500	1.12E-01	
216	374450	3771500	1.16E-01	
217	374470	3771500	1.21E-01	
218	374490	3771500	1.25E-01	
219	374510	3771500	1.29E-01	
220	374530	3771500	1.28E-01	
221	374550	3771500	1.26E-01	
222	374570	3771500	1.23E-01	
223	374590	3771500	1.18E-01	
224	374610	3771500	1.11E-01	
225	374630	3771500	1.02E-01	

Television City
Acute and Chronic Risk by Receptor

No.	X	Y	Chronic HI	Max
226	374650	3771500	1.43E-03	
227	374670	3771500	1.42E-03	
228	374690	3771500	1.41E-03	
229	374710	3771500	1.39E-03	
230	374730	3771500	1.37E-03	
231	374750	3771500	1.34E-03	
232	374770	3771500	1.30E-03	
233	374790	3771500	1.26E-03	
234	374810	3771500	1.20E-03	
235	374830	3771500	1.13E-03	
236	374850	3771500	1.06E-03	
237	374870	3771500	9.95E-04	
238	374890	3771500	9.33E-04	
239	374910	3771500	8.70E-04	
240	374930	3771500	8.13E-04	
241	374950	3771500	7.59E-04	
242	374290	3771520	2.73E-04	
243	374310	3771520	3.02E-04	
244	374330	3771520	3.37E-04	
245	374350	3771520	3.77E-04	
246	374370	3771520	4.23E-04	
247	374390	3771520	4.77E-04	
248	374410	3771520	5.40E-04	
249	374430	3771520	6.12E-04	
250	374450	3771520	6.89E-04	
251	374470	3771520	7.71E-04	
252	374490	3771520	8.51E-04	
253	374510	3771520	9.27E-04	
254	374530	3771520	9.96E-04	
255	374550	3771520	1.05E-03	
256	374570	3771520	1.10E-03	
257	374590	3771520	1.13E-03	
258	374610	3771520	1.15E-03	
259	374630	3771520	1.17E-03	
260	374650	3771520	1.17E-03	
261	374670	3771520	1.17E-03	
262	374690	3771520	1.16E-03	
263	374710	3771520	1.15E-03	
264	374730	3771520	1.14E-03	
265	374750	3771520	1.12E-03	
266	374770	3771520	1.09E-03	
267	374790	3771520	1.06E-03	
268	374810	3771520	1.02E-03	
269	374830	3771520	9.77E-04	
270	374850	3771520	9.28E-04	
271	374870	3771520	8.80E-04	
272	374890	3771520	8.32E-04	
273	374910	3771520	7.84E-04	
274	374930	3771520	7.37E-04	
275	374950	3771520	6.93E-04	
276	374290	3771540	2.57E-04	
277	374310	3771540	2.83E-04	
278	374330	3771540	3.13E-04	
279	374350	3771540	3.46E-04	
280	374370	3771540	3.86E-04	
281	374390	3771540	4.30E-04	
282	374410	3771540	4.82E-04	

No.	X	Y	Acute HI	Max
226	374650	3771500	1.05E-01	
227	374670	3771500	9.75E-02	
228	374690	3771500	9.11E-02	
229	374710	3771500	9.01E-02	
230	374730	3771500	9.21E-02	
231	374750	3771500	9.89E-02	
232	374770	3771500	9.49E-02	
233	374790	3771500	9.72E-02	
234	374810	3771500	9.24E-02	
235	374830	3771500	8.16E-02	
236	374850	3771500	7.28E-02	
237	374870	3771500	6.62E-02	
238	374890	3771500	6.25E-02	
239	374910	3771500	6.05E-02	
240	374930	3771500	5.91E-02	
241	374950	3771500	5.69E-02	
242	374290	3771520	8.94E-02	
243	374310	3771520	9.19E-02	
244	374330	3771520	9.49E-02	
245	374350	3771520	9.80E-02	
246	374370	3771520	1.01E-01	
247	374390	3771520	1.04E-01	
248	374410	3771520	1.08E-01	
249	374430	3771520	1.13E-01	
250	374450	3771520	1.17E-01	
251	374470	3771520	1.20E-01	
252	374490	3771520	1.22E-01	
253	374510	3771520	1.21E-01	
254	374530	3771520	1.18E-01	
255	374550	3771520	1.16E-01	
256	374570	3771520	1.11E-01	
257	374590	3771520	1.04E-01	
258	374610	3771520	9.75E-02	
259	374630	3771520	9.84E-02	
260	374650	3771520	9.86E-02	
261	374670	3771520	8.43E-02	
262	374690	3771520	8.17E-02	
263	374710	3771520	8.90E-02	
264	374730	3771520	8.65E-02	
265	374750	3771520	9.53E-02	
266	374770	3771520	9.18E-02	
267	374790	3771520	9.29E-02	
268	374810	3771520	8.99E-02	
269	374830	3771520	8.00E-02	
270	374850	3771520	7.36E-02	
271	374870	3771520	6.51E-02	
272	374890	3771520	6.23E-02	
273	374910	3771520	5.91E-02	
274	374930	3771520	5.80E-02	
275	374950	3771520	5.61E-02	
276	374290	3771540	8.93E-02	
277	374310	3771540	9.23E-02	
278	374330	3771540	9.48E-02	
279	374350	3771540	9.73E-02	
280	374370	3771540	1.01E-01	
281	374390	3771540	1.05E-01	
282	374410	3771540	1.08E-01	

Television City
Acute and Chronic Risk by Receptor

No.	X	Y	Chronic HI	Max
283	374430	3771540	5.38E-04	
284	374450	3771540	5.98E-04	
285	374470	3771540	6.61E-04	
286	374490	3771540	7.21E-04	
287	374510	3771540	7.79E-04	
288	374530	3771540	8.32E-04	
289	374550	3771540	8.78E-04	
290	374570	3771540	9.15E-04	
291	374590	3771540	9.42E-04	
292	374610	3771540	9.61E-04	
293	374630	3771540	9.74E-04	
294	374650	3771540	9.81E-04	
295	374670	3771540	9.83E-04	
296	374690	3771540	9.80E-04	
297	374710	3771540	9.73E-04	
298	374730	3771540	9.64E-04	
299	374750	3771540	9.51E-04	
300	374770	3771540	9.33E-04	
301	374790	3771540	9.10E-04	
302	374810	3771540	8.83E-04	
303	374830	3771540	8.52E-04	
304	374850	3771540	8.17E-04	
305	374870	3771540	7.80E-04	
306	374890	3771540	7.43E-04	
307	374910	3771540	7.05E-04	
308	374930	3771540	6.68E-04	
309	374950	3771540	6.32E-04	
310	374765	3771270	1.74E-02	
311	374775	3771270	1.54E-02	
312	374785	3771270	1.44E-02	
313	374795	3771270	1.35E-02	
314	374805	3771270	1.21E-02	
315	374815	3771270	1.03E-02	
316	374825	3771270	8.46E-03	
317	374835	3771270	6.82E-03	
318	374845	3771270	5.50E-03	
319	374765	3771280	1.49E-02	
320	374775	3771280	1.16E-02	
321	374785	3771280	1.02E-02	
322	374795	3771280	9.38E-03	
323	374805	3771280	8.52E-03	
324	374815	3771280	7.56E-03	
325	374825	3771280	6.57E-03	
326	374835	3771280	5.63E-03	
327	374845	3771280	4.80E-03	
328	374765	3771290	1.36E-02	
329	374775	3771290	9.83E-03	
330	374785	3771290	8.33E-03	
331	374795	3771290	7.47E-03	
332	374805	3771290	6.78E-03	
333	374815	3771290	6.11E-03	
334	374825	3771290	5.46E-03	
335	374835	3771290	4.83E-03	
336	374845	3771290	4.25E-03	
337	374765	3771300	1.27E-02	
338	374775	3771300	8.85E-03	
339	374785	3771300	7.26E-03	

No.	X	Y	Acute HI	Max
283	374430	3771540	1.11E-01	
284	374450	3771540	1.15E-01	
285	374470	3771540	1.16E-01	
286	374490	3771540	1.14E-01	
287	374510	3771540	1.12E-01	
288	374530	3771540	1.09E-01	
289	374550	3771540	1.05E-01	
290	374570	3771540	9.89E-02	
291	374590	3771540	9.17E-02	
292	374610	3771540	9.09E-02	
293	374630	3771540	9.56E-02	
294	374650	3771540	8.84E-02	
295	374670	3771540	7.61E-02	
296	374690	3771540	7.77E-02	
297	374710	3771540	8.53E-02	
298	374730	3771540	8.14E-02	
299	374750	3771540	9.05E-02	
300	374770	3771540	8.71E-02	
301	374790	3771540	8.65E-02	
302	374810	3771540	8.63E-02	
303	374830	3771540	7.96E-02	
304	374850	3771540	7.24E-02	
305	374870	3771540	6.68E-02	
306	374890	3771540	6.06E-02	
307	374910	3771540	5.81E-02	
308	374930	3771540	5.67E-02	
309	374950	3771540	5.58E-02	
310	374765	3771270	1.97E-01	
311	374775	3771270	1.78E-01	
312	374785	3771270	1.60E-01	
313	374795	3771270	1.41E-01	
314	374805	3771270	1.33E-01	
315	374815	3771270	1.19E-01	
316	374825	3771270	1.10E-01	
317	374835	3771270	1.02E-01	
318	374845	3771270	9.70E-02	
319	374765	3771280	1.80E-01	
320	374775	3771280	1.61E-01	
321	374785	3771280	1.48E-01	
322	374795	3771280	1.34E-01	
323	374805	3771280	1.23E-01	
324	374815	3771280	1.13E-01	
325	374825	3771280	1.05E-01	
326	374835	3771280	9.66E-02	
327	374845	3771280	8.99E-02	
328	374765	3771290	1.69E-01	
329	374775	3771290	1.48E-01	
330	374785	3771290	1.32E-01	
331	374795	3771290	1.20E-01	
332	374805	3771290	1.13E-01	
333	374815	3771290	1.07E-01	
334	374825	3771290	9.93E-02	
335	374835	3771290	9.34E-02	
336	374845	3771290	8.96E-02	
337	374765	3771300	1.51E-01	
338	374775	3771300	1.30E-01	
339	374785	3771300	1.23E-01	

Television City
Acute and Chronic Risk by Receptor

No.	X	Y	Chronic HI	Max
340	374795	3771300	6.38E-03	
341	374805	3771300	5.75E-03	
342	374815	3771300	5.21E-03	
343	374825	3771300	4.71E-03	
344	374835	3771300	4.25E-03	
345	374845	3771300	3.81E-03	
346	374765	3771310	1.22E-02	
347	374775	3771310	8.23E-03	
348	374785	3771310	6.58E-03	
349	374795	3771310	5.69E-03	
350	374805	3771310	5.09E-03	
351	374815	3771310	4.60E-03	
352	374825	3771310	4.19E-03	
353	374835	3771310	3.81E-03	
354	374845	3771310	3.47E-03	
355	374765	3771320	1.18E-02	
356	374775	3771320	7.80E-03	
357	374785	3771320	6.12E-03	
358	374795	3771320	5.22E-03	
359	374805	3771320	4.63E-03	
360	374815	3771320	4.18E-03	
361	374825	3771320	3.81E-03	
362	374835	3771320	3.48E-03	
363	374845	3771320	3.19E-03	
364	374765	3771330	1.15E-02	
365	374775	3771330	7.47E-03	
366	374785	3771330	5.78E-03	
367	374795	3771330	4.89E-03	
368	374805	3771330	4.30E-03	
369	374815	3771330	3.87E-03	
370	374825	3771330	3.52E-03	
371	374835	3771330	3.23E-03	
372	374845	3771330	2.97E-03	
373	374765	3771340	1.13E-02	
374	374775	3771340	7.23E-03	
375	374785	3771340	5.53E-03	
376	374795	3771340	4.63E-03	
377	374805	3771340	4.05E-03	
378	374815	3771340	3.63E-03	
379	374825	3771340	3.30E-03	
380	374835	3771340	3.02E-03	
381	374845	3771340	2.78E-03	
382	374765	3771350	1.11E-02	
383	374775	3771350	7.03E-03	
384	374785	3771350	5.32E-03	
385	374795	3771350	4.42E-03	
386	374805	3771350	3.84E-03	
387	374815	3771350	3.43E-03	
388	374825	3771350	3.11E-03	
389	374835	3771350	2.85E-03	
390	374845	3771350	2.63E-03	
391	374765	3771360	1.09E-02	
392	374775	3771360	6.85E-03	
393	374785	3771360	5.14E-03	
394	374795	3771360	4.24E-03	
395	374805	3771360	3.67E-03	
396	374815	3771360	3.26E-03	

No.	X	Y	Acute HI	Max
340	374795	3771300	1.11E-01	
341	374805	3771300	1.03E-01	
342	374815	3771300	9.94E-02	
343	374825	3771300	9.79E-02	
344	374835	3771300	9.44E-02	
345	374845	3771300	9.11E-02	
346	374765	3771310	1.52E-01	
347	374775	3771310	1.24E-01	
348	374785	3771310	1.09E-01	
349	374795	3771310	1.04E-01	
350	374805	3771310	1.02E-01	
351	374815	3771310	9.80E-02	
352	374825	3771310	9.49E-02	
353	374835	3771310	9.25E-02	
354	374845	3771310	9.19E-02	
355	374765	3771320	1.50E-01	
356	374775	3771320	1.42E-01	
357	374785	3771320	1.20E-01	
358	374795	3771320	1.02E-01	
359	374805	3771320	9.63E-02	
360	374815	3771320	9.53E-02	
361	374825	3771320	9.15E-02	
362	374835	3771320	8.93E-02	
363	374845	3771320	8.72E-02	
364	374765	3771330	1.42E-01	
365	374775	3771330	1.17E-01	
366	374785	3771330	1.29E-01	
367	374795	3771330	1.05E-01	
368	374805	3771330	9.60E-02	
369	374815	3771330	9.19E-02	
370	374825	3771330	8.82E-02	
371	374835	3771330	8.62E-02	
372	374845	3771330	8.46E-02	
373	374765	3771340	1.44E-01	
374	374775	3771340	1.24E-01	
375	374785	3771340	1.11E-01	
376	374795	3771340	1.06E-01	
377	374805	3771340	9.91E-02	
378	374815	3771340	9.19E-02	
379	374825	3771340	8.72E-02	
380	374835	3771340	8.39E-02	
381	374845	3771340	8.36E-02	
382	374765	3771350	1.49E-01	
383	374775	3771350	1.28E-01	
384	374785	3771350	1.17E-01	
385	374795	3771350	1.05E-01	
386	374805	3771350	1.03E-01	
387	374815	3771350	9.55E-02	
388	374825	3771350	8.57E-02	
389	374835	3771350	8.13E-02	
390	374845	3771350	7.95E-02	
391	374765	3771360	1.50E-01	
392	374775	3771360	1.30E-01	
393	374785	3771360	1.19E-01	
394	374795	3771360	1.08E-01	
395	374805	3771360	1.04E-01	
396	374815	3771360	9.50E-02	

Television City
Acute and Chronic Risk by Receptor

No.	X	Y	Chronic HI	Max
397	374825	3771360	2.95E-03	
398	374835	3771360	2.70E-03	
399	374845	3771360	2.49E-03	
400	374765	3771370	1.07E-02	
401	374775	3771370	6.69E-03	
402	374785	3771370	4.96E-03	
403	374795	3771370	4.06E-03	
404	374805	3771370	3.50E-03	
405	374815	3771370	3.10E-03	
406	374825	3771370	2.81E-03	
407	374835	3771370	2.57E-03	
408	374845	3771370	2.37E-03	
409	374765	3771380	1.05E-02	
410	374775	3771380	6.49E-03	
411	374785	3771380	4.76E-03	
412	374795	3771380	3.88E-03	
413	374805	3771380	3.33E-03	
414	374815	3771380	2.95E-03	
415	374825	3771380	2.67E-03	
416	374835	3771380	2.44E-03	
417	374845	3771380	2.26E-03	
418	374765	3771390	1.02E-02	
419	374775	3771390	6.21E-03	
420	374785	3771390	4.52E-03	
421	374795	3771390	3.67E-03	
422	374805	3771390	3.16E-03	
423	374815	3771390	2.80E-03	
424	374825	3771390	2.53E-03	
425	374835	3771390	2.32E-03	
426	374845	3771390	2.15E-03	
427	374765	3771400	9.79E-03	
428	374775	3771400	5.85E-03	
429	374785	3771400	4.22E-03	
430	374795	3771400	3.44E-03	
431	374805	3771400	2.96E-03	
432	374815	3771400	2.64E-03	
433	374825	3771400	2.40E-03	
434	374835	3771400	2.20E-03	
435	374845	3771400	2.04E-03	
436	374765	3771410	9.02E-03	
437	374775	3771410	5.29E-03	
438	374785	3771410	3.85E-03	
439	374795	3771410	3.16E-03	
440	374805	3771410	2.76E-03	
441	374815	3771410	2.47E-03	
442	374825	3771410	2.26E-03	
443	374835	3771410	2.08E-03	
444	374845	3771410	1.94E-03	
445	374390	3771020	3.60E-04	
446	374410	3771020	3.84E-04	
447	374430	3771020	4.09E-04	
448	374450	3771020	4.36E-04	
449	374470	3771020	4.63E-04	
450	374490	3771020	4.92E-04	
451	374510	3771020	5.21E-04	
452	374530	3771020	5.51E-04	
453	374550	3771020	5.81E-04	

No.	X	Y	Acute HI	Max
397	374825	3771360	8.41E-02	
398	374835	3771360	7.92E-02	
399	374845	3771360	7.75E-02	
400	374765	3771370	1.73E-01	
401	374775	3771370	1.55E-01	
402	374785	3771370	1.39E-01	
403	374795	3771370	1.28E-01	
404	374805	3771370	1.18E-01	
405	374815	3771370	1.08E-01	
406	374825	3771370	9.89E-02	
407	374835	3771370	8.96E-02	
408	374845	3771370	8.19E-02	
409	374765	3771380	1.62E-01	
410	374775	3771380	1.53E-01	
411	374785	3771380	1.39E-01	
412	374795	3771380	1.25E-01	
413	374805	3771380	1.15E-01	
414	374815	3771380	1.11E-01	
415	374825	3771380	1.07E-01	
416	374835	3771380	9.78E-02	
417	374845	3771380	8.90E-02	
418	374765	3771390	1.57E-01	
419	374775	3771390	1.39E-01	
420	374785	3771390	1.31E-01	
421	374795	3771390	1.13E-01	
422	374805	3771390	1.07E-01	
423	374815	3771390	1.06E-01	
424	374825	3771390	1.09E-01	
425	374835	3771390	1.01E-01	
426	374845	3771390	9.13E-02	
427	374765	3771400	1.62E-01	
428	374775	3771400	1.28E-01	
429	374785	3771400	1.28E-01	
430	374795	3771400	1.15E-01	
431	374805	3771400	1.01E-01	
432	374815	3771400	1.02E-01	
433	374825	3771400	1.02E-01	
434	374835	3771400	9.94E-02	
435	374845	3771400	8.90E-02	
436	374765	3771410	1.61E-01	
437	374775	3771410	1.33E-01	
438	374785	3771410	1.24E-01	
439	374795	3771410	1.17E-01	
440	374805	3771410	9.99E-02	
441	374815	3771410	9.89E-02	
442	374825	3771410	1.02E-01	
443	374835	3771410	9.45E-02	
444	374845	3771410	8.38E-02	
445	374390	3771020	5.03E-02	
446	374410	3771020	5.59E-02	
447	374430	3771020	5.95E-02	
448	374450	3771020	6.29E-02	
449	374470	3771020	6.56E-02	
450	374490	3771020	6.85E-02	
451	374510	3771020	7.04E-02	
452	374530	3771020	7.28E-02	
453	374550	3771020	7.50E-02	

No.	X	Y	Chronic HI	Max
454	374570	3771020	6.11E-04	
455	374590	3771020	6.41E-04	
456	374610	3771020	6.72E-04	
457	374630	3771020	7.04E-04	
458	374650	3771020	7.38E-04	
459	374670	3771020	7.73E-04	
460	374690	3771020	8.06E-04	
461	374710	3771020	8.38E-04	
462	374730	3771020	8.66E-04	
463	374750	3771020	8.84E-04	
464	374770	3771020	8.88E-04	
465	374790	3771020	8.77E-04	
466	374810	3771020	8.49E-04	
467	374830	3771020	8.07E-04	
468	374390	3771040	3.92E-04	
469	374410	3771040	4.21E-04	
470	374430	3771040	4.51E-04	
471	374450	3771040	4.82E-04	
472	374470	3771040	5.15E-04	
473	374490	3771040	5.49E-04	
474	374510	3771040	5.84E-04	
475	374530	3771040	6.18E-04	
476	374550	3771040	6.54E-04	
477	374570	3771040	6.90E-04	
478	374590	3771040	7.28E-04	
479	374610	3771040	7.68E-04	
480	374630	3771040	8.12E-04	
481	374650	3771040	8.54E-04	
482	374670	3771040	9.04E-04	
483	374690	3771040	9.59E-04	
484	374710	3771040	1.01E-03	
485	374730	3771040	1.06E-03	
486	374750	3771040	1.10E-03	
487	374770	3771040	1.12E-03	
488	374790	3771040	1.11E-03	
489	374810	3771040	1.07E-03	
490	374830	3771040	1.00E-03	
491	374390	3771060	4.31E-04	
492	374410	3771060	4.66E-04	
493	374430	3771060	5.02E-04	
494	374450	3771060	5.40E-04	
495	374470	3771060	5.80E-04	
496	374490	3771060	6.20E-04	
497	374510	3771060	6.61E-04	
498	374530	3771060	7.01E-04	
499	374550	3771060	7.42E-04	
500	374570	3771060	7.85E-04	
501	374590	3771060	8.33E-04	
502	374610	3771060	8.85E-04	
503	374630	3771060	9.40E-04	
504	374650	3771060	1.00E-03	
505	374670	3771060	1.08E-03	
506	374690	3771060	1.16E-03	
507	374710	3771060	1.25E-03	
508	374730	3771060	1.35E-03	
509	374750	3771060	1.42E-03	
510	374770	3771060	1.46E-03	

No.	X	Y	Acute HI	Max
454	374570	3771020	8.04E-02	
455	374590	3771020	8.36E-02	
456	374610	3771020	8.65E-02	
457	374630	3771020	8.85E-02	
458	374650	3771020	9.11E-02	
459	374670	3771020	9.42E-02	
460	374690	3771020	1.00E-01	
461	374710	3771020	1.04E-01	
462	374730	3771020	1.05E-01	
463	374750	3771020	1.09E-01	
464	374770	3771020	1.12E-01	
465	374790	3771020	1.11E-01	
466	374810	3771020	1.09E-01	
467	374830	3771020	1.08E-01	
468	374390	3771040	5.17E-02	
469	374410	3771040	5.18E-02	
470	374430	3771040	5.82E-02	
471	374450	3771040	6.20E-02	
472	374470	3771040	6.59E-02	
473	374490	3771040	6.88E-02	
474	374510	3771040	7.11E-02	
475	374530	3771040	7.27E-02	
476	374550	3771040	7.55E-02	
477	374570	3771040	7.86E-02	
478	374590	3771040	8.36E-02	
479	374610	3771040	8.65E-02	
480	374630	3771040	9.02E-02	
481	374650	3771040	9.39E-02	
482	374670	3771040	9.42E-02	
483	374690	3771040	9.91E-02	
484	374710	3771040	1.05E-01	
485	374730	3771040	1.06E-01	
486	374750	3771040	1.12E-01	
487	374770	3771040	1.16E-01	
488	374790	3771040	1.15E-01	
489	374810	3771040	1.13E-01	
490	374830	3771040	1.10E-01	
491	374390	3771060	5.20E-02	
492	374410	3771060	5.30E-02	
493	374430	3771060	5.45E-02	
494	374450	3771060	6.12E-02	
495	374470	3771060	6.51E-02	
496	374490	3771060	6.89E-02	
497	374510	3771060	7.15E-02	
498	374530	3771060	7.36E-02	
499	374550	3771060	7.54E-02	
500	374570	3771060	7.80E-02	
501	374590	3771060	8.29E-02	
502	374610	3771060	8.82E-02	
503	374630	3771060	9.18E-02	
504	374650	3771060	9.46E-02	
505	374670	3771060	9.54E-02	
506	374690	3771060	1.00E-01	
507	374710	3771060	1.07E-01	
508	374730	3771060	1.09E-01	
509	374750	3771060	1.11E-01	
510	374770	3771060	1.12E-01	

No.	X	Y	Chronic HI	Max
511	374790	3771060	1.45E-03	
512	374810	3771060	1.39E-03	
513	374830	3771060	1.28E-03	
514	374390	3771080	4.80E-04	
515	374410	3771080	5.23E-04	
516	374430	3771080	5.68E-04	
517	374450	3771080	6.15E-04	
518	374470	3771080	6.62E-04	
519	374490	3771080	7.09E-04	
520	374510	3771080	7.56E-04	
521	374530	3771080	8.00E-04	
522	374550	3771080	8.51E-04	
523	374570	3771080	9.03E-04	
524	374590	3771080	9.62E-04	
525	374610	3771080	1.03E-03	
526	374630	3771080	1.10E-03	
527	374650	3771080	1.19E-03	
528	374670	3771080	1.30E-03	
529	374690	3771080	1.43E-03	
530	374710	3771080	1.59E-03	
531	374730	3771080	1.77E-03	
532	374750	3771080	1.93E-03	
533	374770	3771080	2.03E-03	
534	374790	3771080	2.04E-03	
535	374810	3771080	1.93E-03	
536	374830	3771080	1.73E-03	
537	374390	3771100	5.43E-04	
538	374410	3771100	6.00E-04	
539	374430	3771100	6.57E-04	
540	374450	3771100	7.15E-04	
541	374470	3771100	7.70E-04	
542	374490	3771100	8.24E-04	
543	374510	3771100	8.77E-04	
544	374530	3771100	9.34E-04	
545	374550	3771100	9.93E-04	
546	374570	3771100	1.06E-03	
547	374590	3771100	1.13E-03	
548	374610	3771100	1.21E-03	
549	374630	3771100	1.30E-03	
550	374650	3771100	1.42E-03	
551	374670	3771100	1.58E-03	
552	374690	3771100	1.79E-03	
553	374710	3771100	2.07E-03	
554	374730	3771100	2.43E-03	
555	374750	3771100	2.80E-03	
556	374770	3771100	3.05E-03	
557	374790	3771100	3.09E-03	
558	374810	3771100	2.88E-03	
559	374830	3771100	2.49E-03	
560	374390	3771120	6.31E-04	
561	374410	3771120	7.11E-04	
562	374430	3771120	7.89E-04	
563	374450	3771120	8.64E-04	
564	374470	3771120	9.33E-04	
565	374490	3771120	9.99E-04	
566	374510	3771120	1.07E-03	
567	374530	3771120	1.14E-03	

No.	X	Y	Acute HI	Max
511	374790	3771060	9.02E-02	
512	374810	3771060	1.02E-01	
513	374830	3771060	1.03E-01	
514	374390	3771080	5.10E-02	
515	374410	3771080	5.36E-02	
516	374430	3771080	5.60E-02	
517	374450	3771080	5.75E-02	
518	374470	3771080	6.43E-02	
519	374490	3771080	6.82E-02	
520	374510	3771080	7.19E-02	
521	374530	3771080	7.39E-02	
522	374550	3771080	7.56E-02	
523	374570	3771080	7.84E-02	
524	374590	3771080	8.19E-02	
525	374610	3771080	8.77E-02	
526	374630	3771080	8.80E-02	
527	374650	3771080	8.42E-02	
528	374670	3771080	9.52E-02	
529	374690	3771080	9.90E-02	
530	374710	3771080	9.80E-02	
531	374730	3771080	9.64E-02	
532	374750	3771080	8.87E-02	
533	374770	3771080	9.06E-02	
534	374790	3771080	8.82E-02	
535	374810	3771080	8.92E-02	
536	374830	3771080	8.69E-02	
537	374390	3771100	5.05E-02	
538	374410	3771100	5.30E-02	
539	374430	3771100	5.65E-02	
540	374450	3771100	5.92E-02	
541	374470	3771100	6.06E-02	
542	374490	3771100	6.66E-02	
543	374510	3771100	7.03E-02	
544	374530	3771100	7.40E-02	
545	374550	3771100	7.61E-02	
546	374570	3771100	7.73E-02	
547	374590	3771100	8.17E-02	
548	374610	3771100	8.36E-02	
549	374630	3771100	8.58E-02	
550	374650	3771100	8.37E-02	
551	374670	3771100	9.25E-02	
552	374690	3771100	9.59E-02	
553	374710	3771100	9.45E-02	
554	374730	3771100	8.71E-02	
555	374750	3771100	8.78E-02	
556	374770	3771100	9.25E-02	
557	374790	3771100	9.04E-02	
558	374810	3771100	9.11E-02	
559	374830	3771100	8.65E-02	
560	374390	3771120	5.15E-02	
561	374410	3771120	5.20E-02	
562	374430	3771120	5.54E-02	
563	374450	3771120	6.07E-02	
564	374470	3771120	6.40E-02	
565	374490	3771120	6.50E-02	
566	374510	3771120	6.66E-02	
567	374530	3771120	7.43E-02	

No.	X	Y	Chronic HI	Max
568	374550	3771120	1.21E-03	
569	374570	3771120	1.29E-03	
570	374590	3771120	1.37E-03	
571	374610	3771120	1.47E-03	
572	374630	3771120	1.58E-03	
573	374650	3771120	1.73E-03	
574	374670	3771120	1.94E-03	
575	374690	3771120	2.26E-03	
576	374710	3771120	2.76E-03	
577	374730	3771120	3.54E-03	
578	374750	3771120	4.55E-03	
579	374770	3771120	5.28E-03	
580	374790	3771120	5.41E-03	
581	374810	3771120	4.95E-03	
582	374830	3771120	3.95E-03	
583	374390	3771140	7.65E-04	
584	374410	3771140	8.97E-04	
585	374430	3771140	1.02E-03	
586	374450	3771140	1.12E-03	
587	374470	3771140	1.21E-03	
588	374490	3771140	1.29E-03	
589	374510	3771140	1.38E-03	
590	374530	3771140	1.47E-03	
591	374550	3771140	1.56E-03	
592	374570	3771140	1.66E-03	
593	374590	3771140	1.76E-03	
594	374610	3771140	1.88E-03	
595	374630	3771140	2.01E-03	
596	374650	3771140	2.18E-03	
597	374390	3771160	1.01E-03	
598	374410	3771160	1.30E-03	
599	374430	3771160	1.52E-03	
600	374450	3771160	1.68E-03	
601	374470	3771160	1.81E-03	
602	374490	3771160	1.91E-03	
603	374510	3771160	2.02E-03	
604	374530	3771160	2.14E-03	
605	374550	3771160	2.25E-03	
606	374570	3771160	2.37E-03	
607	374590	3771160	2.51E-03	
608	374610	3771160	2.66E-03	
609	374630	3771160	2.83E-03	
610	374650	3771160	2.99E-03	
611	374400	3770680	1.36E-04	
612	374420	3770680	1.38E-04	
613	374440	3770680	1.39E-04	
614	374460	3770680	1.40E-04	
615	374480	3770680	1.41E-04	
616	374500	3770680	1.42E-04	
617	374520	3770680	1.42E-04	
618	374540	3770680	1.42E-04	
619	374560	3770680	1.42E-04	
620	374580	3770680	1.42E-04	
621	374400	3770700	1.43E-04	
622	374420	3770700	1.45E-04	
623	374440	3770700	1.47E-04	
624	374460	3770700	1.49E-04	

No.	X	Y	Acute HI	Max
568	374550	3771120	7.76E-02	
569	374570	3771120	7.90E-02	
570	374590	3771120	7.96E-02	
571	374610	3771120	8.17E-02	
572	374630	3771120	8.17E-02	
573	374650	3771120	8.18E-02	
574	374670	3771120	8.95E-02	
575	374690	3771120	9.35E-02	
576	374710	3771120	8.97E-02	
577	374730	3771120	7.98E-02	
578	374750	3771120	8.93E-02	
579	374770	3771120	9.43E-02	
580	374790	3771120	9.26E-02	
581	374810	3771120	9.23E-02	
582	374830	3771120	8.78E-02	
583	374390	3771140	5.79E-02	
584	374410	3771140	5.68E-02	
585	374430	3771140	5.49E-02	
586	374450	3771140	6.05E-02	
587	374470	3771140	6.47E-02	
588	374490	3771140	6.80E-02	
589	374510	3771140	6.87E-02	
590	374530	3771140	7.07E-02	
591	374550	3771140	7.88E-02	
592	374570	3771140	8.21E-02	
593	374590	3771140	8.38E-02	
594	374610	3771140	8.38E-02	
595	374630	3771140	8.43E-02	
596	374650	3771140	7.91E-02	
597	374390	3771160	6.10E-02	
598	374410	3771160	6.10E-02	
599	374430	3771160	6.04E-02	
600	374450	3771160	6.52E-02	
601	374470	3771160	6.37E-02	
602	374490	3771160	6.76E-02	
603	374510	3771160	7.02E-02	
604	374530	3771160	7.22E-02	
605	374550	3771160	7.63E-02	
606	374570	3771160	8.48E-02	
607	374590	3771160	8.65E-02	
608	374610	3771160	8.67E-02	
609	374630	3771160	8.64E-02	
610	374650	3771160	7.44E-02	
611	374400	3770680	5.96E-02	
612	374420	3770680	6.04E-02	
613	374440	3770680	6.06E-02	
614	374460	3770680	6.04E-02	
615	374480	3770680	6.19E-02	
616	374500	3770680	6.36E-02	
617	374520	3770680	6.39E-02	
618	374540	3770680	6.28E-02	
619	374560	3770680	6.27E-02	
620	374580	3770680	6.32E-02	
621	374400	3770700	6.00E-02	
622	374420	3770700	6.11E-02	
623	374440	3770700	6.18E-02	
624	374460	3770700	6.16E-02	

No.	X	Y	Chronic HI	Max
625	374480	3770700	1.50E-04	
626	374500	3770700	1.51E-04	
627	374520	3770700	1.51E-04	
628	374540	3770700	1.52E-04	
629	374560	3770700	1.52E-04	
630	374580	3770700	1.52E-04	
631	374400	3770720	1.50E-04	
632	374420	3770720	1.53E-04	
633	374440	3770720	1.55E-04	
634	374460	3770720	1.57E-04	
635	374480	3770720	1.59E-04	
636	374500	3770720	1.60E-04	
637	374520	3770720	1.61E-04	
638	374540	3770720	1.62E-04	
639	374560	3770720	1.62E-04	
640	374580	3770720	1.63E-04	
641	374400	3770740	1.58E-04	
642	374420	3770740	1.61E-04	
643	374440	3770740	1.64E-04	
644	374460	3770740	1.67E-04	
645	374480	3770740	1.69E-04	
646	374500	3770740	1.71E-04	
647	374520	3770740	1.72E-04	
648	374540	3770740	1.73E-04	
649	374560	3770740	1.74E-04	
650	374580	3770740	1.75E-04	
651	374860	3771020	7.26E-04	
652	374880	3771020	6.64E-04	
653	374900	3771020	6.05E-04	
654	374920	3771020	5.49E-04	
655	374940	3771020	4.99E-04	
656	374960	3771020	4.54E-04	
657	374860	3771040	8.78E-04	
658	374880	3771040	7.89E-04	
659	374900	3771040	7.05E-04	
660	374920	3771040	6.30E-04	
661	374940	3771040	5.64E-04	
662	374960	3771040	5.07E-04	
663	374860	3771060	1.09E-03	
664	374880	3771060	9.54E-04	
665	374900	3771060	8.32E-04	
666	374920	3771060	7.28E-04	
667	374940	3771060	6.41E-04	
668	374960	3771060	5.69E-04	
669	374860	3771080	1.39E-03	
670	374880	3771080	1.17E-03	
671	374900	3771080	9.93E-04	
672	374920	3771080	8.48E-04	
673	374940	3771080	7.34E-04	
674	374960	3771080	6.43E-04	
675	374860	3771100	1.82E-03	
676	374880	3771100	1.47E-03	
677	374900	3771100	1.20E-03	
678	374920	3771100	9.97E-04	
679	374940	3771100	8.47E-04	
680	374960	3771100	7.31E-04	
681	374860	3771120	2.46E-03	

No.	X	Y	Acute HI	Max
625	374480	3770700	6.23E-02	
626	374500	3770700	6.41E-02	
627	374520	3770700	6.54E-02	
628	374540	3770700	6.47E-02	
629	374560	3770700	6.41E-02	
630	374580	3770700	6.39E-02	
631	374400	3770720	6.04E-02	
632	374420	3770720	6.17E-02	
633	374440	3770720	6.25E-02	
634	374460	3770720	6.28E-02	
635	374480	3770720	6.26E-02	
636	374500	3770720	6.45E-02	
637	374520	3770720	6.64E-02	
638	374540	3770720	6.65E-02	
639	374560	3770720	6.55E-02	
640	374580	3770720	6.52E-02	
641	374400	3770740	6.06E-02	
642	374420	3770740	6.21E-02	
643	374440	3770740	6.31E-02	
644	374460	3770740	6.39E-02	
645	374480	3770740	6.39E-02	
646	374500	3770740	6.49E-02	
647	374520	3770740	6.70E-02	
648	374540	3770740	6.81E-02	
649	374560	3770740	6.72E-02	
650	374580	3770740	6.73E-02	
651	374860	3771020	1.03E-01	
652	374880	3771020	9.91E-02	
653	374900	3771020	9.45E-02	
654	374920	3771020	9.29E-02	
655	374940	3771020	9.01E-02	
656	374960	3771020	8.85E-02	
657	374860	3771040	1.05E-01	
658	374880	3771040	1.00E-01	
659	374900	3771040	9.62E-02	
660	374920	3771040	9.35E-02	
661	374940	3771040	9.11E-02	
662	374960	3771040	8.98E-02	
663	374860	3771060	1.09E-01	
664	374880	3771060	1.04E-01	
665	374900	3771060	9.78E-02	
666	374920	3771060	9.38E-02	
667	374940	3771060	9.26E-02	
668	374960	3771060	8.99E-02	
669	374860	3771080	9.26E-02	
670	374880	3771080	9.84E-02	
671	374900	3771080	1.01E-01	
672	374920	3771080	9.61E-02	
673	374940	3771080	9.26E-02	
674	374960	3771080	9.06E-02	
675	374860	3771100	8.69E-02	
676	374880	3771100	8.71E-02	
677	374900	3771100	9.63E-02	
678	374920	3771100	9.89E-02	
679	374940	3771100	9.34E-02	
680	374960	3771100	9.23E-02	
681	374860	3771120	8.28E-02	

No.	X	Y	Chronic HI	Max
682	374880	3771120	1.85E-03	
683	374900	3771120	1.45E-03	
684	374920	3771120	1.18E-03	
685	374940	3771120	9.83E-04	
686	374960	3771120	8.39E-04	
687	374860	3771140	3.33E-03	
688	374880	3771140	2.30E-03	
689	374900	3771140	1.73E-03	
690	374920	3771140	1.38E-03	
691	374940	3771140	1.14E-03	
692	374960	3771140	9.63E-04	
693	374860	3771160	4.25E-03	
694	374880	3771160	2.77E-03	
695	374900	3771160	2.03E-03	
696	374920	3771160	1.60E-03	
697	374940	3771160	1.31E-03	
698	374960	3771160	1.10E-03	
699	374860	3771180	4.91E-03	
700	374880	3771180	3.15E-03	
701	374900	3771180	2.30E-03	
702	374920	3771180	1.81E-03	
703	374940	3771180	1.48E-03	
704	374960	3771180	1.23E-03	
705	374860	3771200	5.28E-03	
706	374880	3771200	3.41E-03	
707	374900	3771200	2.51E-03	
708	374920	3771200	1.98E-03	
709	374940	3771200	1.62E-03	
710	374960	3771200	1.35E-03	
711	374860	3771220	5.37E-03	
712	374880	3771220	3.56E-03	
713	374900	3771220	2.65E-03	
714	374920	3771220	2.10E-03	
715	374940	3771220	1.72E-03	
716	374960	3771220	1.44E-03	
717	374860	3771240	5.16E-03	
718	374880	3771240	3.53E-03	
719	374900	3771240	2.68E-03	
720	374920	3771240	2.15E-03	
721	374940	3771240	1.77E-03	
722	374960	3771240	1.51E-03	
723	374860	3771260	4.57E-03	
724	374880	3771260	3.33E-03	
725	374900	3771260	2.61E-03	
726	374920	3771260	2.12E-03	
727	374940	3771260	1.77E-03	
728	374960	3771260	1.53E-03	
729	374860	3771280	3.86E-03	
730	374880	3771280	3.02E-03	
731	374900	3771280	2.45E-03	
732	374920	3771280	2.03E-03	
733	374940	3771280	1.72E-03	
734	374960	3771280	1.50E-03	
735	374390	3771175	1.42E-03	
736	374410	3771175	2.21E-03	
737	374430	3771175	2.61E-03	
738	374450	3771175	2.83E-03	

No.	X	Y	Acute HI	Max
682	374880	3771120	8.29E-02	
683	374900	3771120	9.04E-02	
684	374920	3771120	9.89E-02	
685	374940	3771120	9.58E-02	
686	374960	3771120	9.31E-02	
687	374860	3771140	8.12E-02	
688	374880	3771140	8.02E-02	
689	374900	3771140	9.02E-02	
690	374920	3771140	9.68E-02	
691	374940	3771140	9.59E-02	
692	374960	3771140	9.15E-02	
693	374860	3771160	8.04E-02	
694	374880	3771160	8.22E-02	
695	374900	3771160	8.65E-02	
696	374920	3771160	9.51E-02	
697	374940	3771160	9.23E-02	
698	374960	3771160	8.85E-02	
699	374860	3771180	7.61E-02	
700	374880	3771180	8.55E-02	
701	374900	3771180	9.12E-02	
702	374920	3771180	9.19E-02	
703	374940	3771180	8.74E-02	
704	374960	3771180	8.32E-02	
705	374860	3771200	7.15E-02	
706	374880	3771200	8.75E-02	
707	374900	3771200	9.14E-02	
708	374920	3771200	8.76E-02	
709	374940	3771200	7.76E-02	
710	374960	3771200	7.70E-02	
711	374860	3771220	9.15E-02	
712	374880	3771220	9.35E-02	
713	374900	3771220	8.76E-02	
714	374920	3771220	7.78E-02	
715	374940	3771220	7.45E-02	
716	374960	3771220	7.30E-02	
717	374860	3771240	1.01E-01	
718	374880	3771240	8.75E-02	
719	374900	3771240	7.92E-02	
720	374920	3771240	7.29E-02	
721	374940	3771240	6.90E-02	
722	374960	3771240	6.62E-02	
723	374860	3771260	8.63E-02	
724	374880	3771260	7.75E-02	
725	374900	3771260	7.87E-02	
726	374920	3771260	7.01E-02	
727	374940	3771260	6.60E-02	
728	374960	3771260	6.57E-02	
729	374860	3771280	8.59E-02	
730	374880	3771280	8.08E-02	
731	374900	3771280	7.92E-02	
732	374920	3771280	7.68E-02	
733	374940	3771280	7.43E-02	
734	374960	3771280	7.16E-02	
735	374390	3771175	6.22E-02	
736	374410	3771175	6.41E-02	
737	374430	3771175	6.53E-02	
738	374450	3771175	7.14E-02	

Television City
Acute and Chronic Risk by Receptor

No.	X	Y	Chronic HI	Max
739	374470	3771175	2.99E-03	
740	374490	3771175	3.12E-03	
741	374510	3771175	3.25E-03	
742	374530	3771175	3.39E-03	
743	374550	3771175	3.54E-03	
744	374570	3771175	3.68E-03	
745	374590	3771175	3.84E-03	
746	374610	3771175	4.05E-03	
747	374630	3771175	4.31E-03	
748	374650	3771175	4.46E-03	
749	374670	3771130	2.16E-03	
750	374690	3771130	2.54E-03	
751	374710	3771130	3.20E-03	
752	374730	3771130	4.41E-03	
753	374750	3771130	6.35E-03	
754	374770	3771130	7.73E-03	
755	374790	3771130	7.96E-03	
756	374810	3771130	7.25E-03	
757	374830	3771130	5.38E-03	
758	374765	3771270	1.10E-02	
759	374775	3771270	1.04E-02	
760	374785	3771270	1.00E-02	
761	374795	3771270	9.68E-03	
762	374805	3771270	9.13E-03	
763	374815	3771270	8.35E-03	
764	374825	3771270	7.44E-03	
765	374835	3771270	6.52E-03	
766	374845	3771270	5.67E-03	
767	374765	3771280	9.71E-03	
768	374775	3771280	8.47E-03	
769	374785	3771280	7.89E-03	
770	374795	3771280	7.51E-03	
771	374805	3771280	7.10E-03	
772	374815	3771280	6.62E-03	
773	374825	3771280	6.08E-03	
774	374835	3771280	5.49E-03	
775	374845	3771280	4.92E-03	
776	374765	3771290	8.85E-03	
777	374775	3771290	7.43E-03	
778	374765	3771300	8.31E-03	
779	374775	3771300	6.81E-03	
780	374765	3771310	7.92E-03	
781	374775	3771310	6.38E-03	
782	374765	3771320	7.62E-03	
783	374775	3771320	6.05E-03	
784	374765	3771330	7.36E-03	
785	374775	3771330	5.78E-03	
786	374765	3771340	7.18E-03	
787	374775	3771340	5.58E-03	
788	374765	3771350	7.05E-03	
789	374775	3771350	5.42E-03	
790	374765	3771360	6.91E-03	
791	374775	3771360	5.30E-03	
792	374765	3771370	6.84E-03	
793	374775	3771370	5.19E-03	
794	374765	3771380	6.67E-03	
795	374775	3771380	5.06E-03	

No.	X	Y	Acute HI	Max
739	374470	3771175	7.03E-02	
740	374490	3771175	6.99E-02	
741	374510	3771175	7.03E-02	
742	374530	3771175	7.25E-02	
743	374550	3771175	7.60E-02	
744	374570	3771175	8.01E-02	
745	374590	3771175	8.87E-02	
746	374610	3771175	9.04E-02	
747	374630	3771175	8.84E-02	
748	374650	3771175	7.72E-02	
749	374670	3771130	8.87E-02	
750	374690	3771130	9.23E-02	
751	374710	3771130	8.53E-02	
752	374730	3771130	7.95E-02	
753	374750	3771130	9.01E-02	
754	374770	3771130	9.50E-02	
755	374790	3771130	9.35E-02	
756	374810	3771130	9.25E-02	
757	374830	3771130	8.88E-02	
758	374765	3771270	2.38E-01	
759	374775	3771270	2.08E-01	
760	374785	3771270	1.76E-01	
761	374795	3771270	1.43E-01	
762	374805	3771270	1.29E-01	
763	374815	3771270	1.18E-01	
764	374825	3771270	1.11E-01	
765	374835	3771270	1.06E-01	
766	374845	3771270	1.02E-01	
767	374765	3771280	2.31E-01	
768	374775	3771280	2.02E-01	
769	374785	3771280	1.68E-01	
770	374795	3771280	1.38E-01	
771	374805	3771280	1.21E-01	
772	374815	3771280	1.13E-01	
773	374825	3771280	1.06E-01	
774	374835	3771280	9.90E-02	
775	374845	3771280	9.44E-02	
776	374765	3771290	2.67E-01	
777	374775	3771290	2.17E-01	
778	374765	3771300	3.14E-01	
779	374775	3771300	2.02E-01	
780	374765	3771310	2.12E-01	
781	374775	3771310	1.50E-01	
782	374765	3771320	1.85E-01	
783	374775	3771320	1.53E-01	
784	374765	3771330	1.77E-01	
785	374775	3771330	1.27E-01	
786	374765	3771340	1.68E-01	
787	374775	3771340	1.26E-01	
788	374765	3771350	1.75E-01	
789	374775	3771350	1.28E-01	
790	374765	3771360	1.83E-01	
791	374775	3771360	1.40E-01	
792	374765	3771370	2.47E-01	
793	374775	3771370	1.90E-01	
794	374765	3771380	2.06E-01	
795	374775	3771380	1.85E-01	

Television City
Acute and Chronic Risk by Receptor

No.	X	Y	Chronic HI	Max
796	374765	3771390	6.48E-03	
797	374775	3771390	4.87E-03	
798	374765	3771400	6.23E-03	
799	374775	3771400	4.65E-03	
800	374765	3771410	5.84E-03	
801	374775	3771410	4.33E-03	
802	374400	3770680	1.37E-04	
803	374420	3770680	1.39E-04	
804	374440	3770680	1.40E-04	
805	374460	3770680	1.41E-04	
806	374480	3770680	1.42E-04	
807	374500	3770680	1.42E-04	
808	374520	3770680	1.42E-04	
809	374540	3770680	1.43E-04	
810	374560	3770680	1.42E-04	
811	374580	3770680	1.42E-04	
812	374400	3770700	1.44E-04	
813	374420	3770700	1.46E-04	
814	374440	3770700	1.48E-04	
815	374460	3770700	1.49E-04	
816	374480	3770700	1.50E-04	
817	374500	3770700	1.51E-04	
818	374520	3770700	1.52E-04	
819	374540	3770700	1.52E-04	
820	374560	3770700	1.52E-04	
821	374580	3770700	1.52E-04	
822	374400	3770720	1.51E-04	
823	374420	3770720	1.54E-04	
824	374440	3770720	1.56E-04	
825	374460	3770720	1.58E-04	
826	374480	3770720	1.59E-04	
827	374500	3770720	1.61E-04	
828	374520	3770720	1.62E-04	
829	374540	3770720	1.62E-04	
830	374560	3770720	1.63E-04	
831	374580	3770720	1.62E-04	
832	374400	3770740	1.59E-04	
833	374420	3770740	1.62E-04	
834	374440	3770740	1.65E-04	
835	374460	3770740	1.67E-04	
836	374480	3770740	1.70E-04	
837	374500	3770740	1.71E-04	
838	374520	3770740	1.73E-04	
839	374540	3770740	1.73E-04	
840	374560	3770740	1.74E-04	
841	374580	3770740	1.74E-04	
842	374765	3771270	4.98E-03	
843	374775	3771270	5.00E-03	
844	374785	3771270	4.97E-03	
845	374795	3771270	4.93E-03	
846	374805	3771270	4.85E-03	
847	374815	3771270	4.73E-03	
848	374825	3771270	4.54E-03	
849	374835	3771270	4.31E-03	
850	374845	3771270	4.06E-03	
851	374765	3771280	4.66E-03	
852	374775	3771280	4.65E-03	

No.	X	Y	Acute HI	Max
796	374765	3771390	1.88E-01	
797	374775	3771390	1.52E-01	
798	374765	3771400	1.81E-01	
799	374775	3771400	1.37E-01	
800	374765	3771410	1.67E-01	
801	374775	3771410	1.42E-01	
802	374400	3770680	6.09E-02	
803	374420	3770680	6.17E-02	
804	374440	3770680	6.19E-02	
805	374460	3770680	6.18E-02	
806	374480	3770680	6.32E-02	
807	374500	3770680	6.49E-02	
808	374520	3770680	6.52E-02	
809	374540	3770680	6.43E-02	
810	374560	3770680	6.43E-02	
811	374580	3770680	6.48E-02	
812	374400	3770700	6.13E-02	
813	374420	3770700	6.24E-02	
814	374440	3770700	6.31E-02	
815	374460	3770700	6.30E-02	
816	374480	3770700	6.36E-02	
817	374500	3770700	6.54E-02	
818	374520	3770700	6.67E-02	
819	374540	3770700	6.60E-02	
820	374560	3770700	6.57E-02	
821	374580	3770700	6.56E-02	
822	374400	3770720	6.18E-02	
823	374420	3770720	6.30E-02	
824	374440	3770720	6.39E-02	
825	374460	3770720	6.42E-02	
826	374480	3770720	6.40E-02	
827	374500	3770720	6.58E-02	
828	374520	3770720	6.77E-02	
829	374540	3770720	6.78E-02	
830	374560	3770720	6.69E-02	
831	374580	3770720	6.66E-02	
832	374400	3770740	6.20E-02	
833	374420	3770740	6.35E-02	
834	374440	3770740	6.46E-02	
835	374460	3770740	6.53E-02	
836	374480	3770740	6.53E-02	
837	374500	3770740	6.62E-02	
838	374520	3770740	6.83E-02	
839	374540	3770740	6.93E-02	
840	374560	3770740	6.84E-02	
841	374580	3770740	6.87E-02	
842	374765	3771270	3.49E-01	
843	374775	3771270	2.75E-01	
844	374785	3771270	2.16E-01	
845	374795	3771270	1.55E-01	
846	374805	3771270	1.41E-01	
847	374815	3771270	1.24E-01	
848	374825	3771270	1.14E-01	
849	374835	3771270	1.05E-01	
850	374845	3771270	9.96E-02	
851	374765	3771280	3.22E-01	
852	374775	3771280	2.77E-01	

No.	X	Y	Chronic HI	Max
853	374785	3771280	4.58E-03	
854	374795	3771280	4.53E-03	
855	374805	3771280	4.43E-03	
856	374815	3771280	4.31E-03	
857	374825	3771280	4.14E-03	
858	374835	3771280	3.94E-03	
859	374845	3771280	3.72E-03	
860	374765	3771290	4.36E-03	
861	374775	3771290	4.31E-03	
862	374765	3771300	4.15E-03	
863	374775	3771300	4.06E-03	
864	374765	3771310	3.99E-03	
865	374775	3771310	3.87E-03	
866	374765	3771320	3.76E-03	
867	374775	3771320	3.66E-03	
868	374765	3771330	3.58E-03	
869	374775	3771330	3.49E-03	
870	374765	3771340	3.44E-03	
871	374775	3771340	3.36E-03	
872	374765	3771350	3.35E-03	
873	374775	3771350	3.26E-03	
874	374765	3771360	3.30E-03	
875	374775	3771360	3.19E-03	
876	374765	3771370	3.33E-03	
877	374775	3771370	3.15E-03	
878	374765	3771380	3.14E-03	
879	374775	3771380	3.06E-03	
880	374765	3771390	2.98E-03	
881	374775	3771390	2.92E-03	
882	374765	3771400	2.86E-03	
883	374775	3771400	2.80E-03	
884	374765	3771410	2.74E-03	
885	374775	3771410	2.67E-03	
886	374400	3770680	1.35E-04	
887	374420	3770680	1.37E-04	
888	374440	3770680	1.38E-04	
889	374460	3770680	1.38E-04	
890	374480	3770680	1.39E-04	
891	374500	3770680	1.39E-04	
892	374520	3770680	1.38E-04	
893	374540	3770680	1.38E-04	
894	374560	3770680	1.37E-04	
895	374580	3770680	1.36E-04	
896	374400	3770700	1.42E-04	
897	374420	3770700	1.44E-04	
898	374440	3770700	1.45E-04	
899	374460	3770700	1.46E-04	
900	374480	3770700	1.47E-04	
901	374500	3770700	1.47E-04	
902	374520	3770700	1.47E-04	
903	374540	3770700	1.47E-04	
904	374560	3770700	1.46E-04	
905	374580	3770700	1.45E-04	
906	374400	3770720	1.50E-04	
907	374420	3770720	1.52E-04	
908	374440	3770720	1.53E-04	
909	374460	3770720	1.55E-04	

No.	X	Y	Acute HI	Max
853	374785	3771280	2.39E-01	
854	374795	3771280	1.84E-01	
855	374805	3771280	1.49E-01	
856	374815	3771280	1.23E-01	
857	374825	3771280	1.06E-01	
858	374835	3771280	9.93E-02	
859	374845	3771280	9.35E-02	
860	374765	3771290	3.72E-01	
861	374775	3771290	6.53E-01	
862	374765	3771300	4.83E-01	
863	374775	3771300	2.78E-01	
864	374765	3771310	5.44E-01	
865	374775	3771310	2.82E-01	
866	374765	3771320	4.41E-01	
867	374775	3771320	2.75E-01	
868	374765	3771330	3.54E-01	
869	374775	3771330	2.21E-01	
870	374765	3771340	3.15E-01	
871	374775	3771340	2.21E-01	
872	374765	3771350	3.38E-01	
873	374775	3771350	2.14E-01	
874	374765	3771360	3.76E-01	
875	374775	3771360	2.53E-01	
876	374765	3771370	5.37E-01	
877	374775	3771370	3.21E-01	
878	374765	3771380	3.82E-01	
879	374775	3771380	3.07E-01	
880	374765	3771390	2.98E-01	
881	374775	3771390	2.14E-01	
882	374765	3771400	2.95E-01	
883	374775	3771400	1.99E-01	
884	374765	3771410	2.86E-01	
885	374775	3771410	1.85E-01	
886	374400	3770680	5.99E-02	
887	374420	3770680	6.08E-02	
888	374440	3770680	6.09E-02	
889	374460	3770680	6.09E-02	
890	374480	3770680	6.22E-02	
891	374500	3770680	6.38E-02	
892	374520	3770680	6.42E-02	
893	374540	3770680	6.33E-02	
894	374560	3770680	6.33E-02	
895	374580	3770680	6.38E-02	
896	374400	3770700	6.04E-02	
897	374420	3770700	6.14E-02	
898	374440	3770700	6.21E-02	
899	374460	3770700	6.19E-02	
900	374480	3770700	6.25E-02	
901	374500	3770700	6.43E-02	
902	374520	3770700	6.56E-02	
903	374540	3770700	6.49E-02	
904	374560	3770700	6.47E-02	
905	374580	3770700	6.45E-02	
906	374400	3770720	6.09E-02	
907	374420	3770720	6.20E-02	
908	374440	3770720	6.28E-02	
909	374460	3770720	6.31E-02	

No.	X	Y	Chronic HI	Max
910	374480	3770720	1.56E-04	
911	374500	3770720	1.57E-04	
912	374520	3770720	1.57E-04	
913	374540	3770720	1.57E-04	
914	374560	3770720	1.56E-04	
915	374580	3770720	1.55E-04	
916	374400	3770740	1.57E-04	
917	374420	3770740	1.60E-04	
918	374440	3770740	1.62E-04	
919	374460	3770740	1.64E-04	
920	374480	3770740	1.66E-04	
921	374500	3770740	1.67E-04	
922	374520	3770740	1.67E-04	
923	374540	3770740	1.67E-04	
924	374560	3770740	1.67E-04	
925	374580	3770740	1.67E-04	
926	374400	3770700	1.43E-04	
927	374500	3770700	1.51E-04	
928	374400	3770700	1.44E-04	
929	374500	3770700	1.51E-04	
930	374400	3770700	1.42E-04	
931	374500	3770700	1.47E-04	
932	373900	3770500	5.92E-05	
933	373950	3770500	6.34E-05	
934	374000	3770500	6.78E-05	
935	374050	3770500	7.20E-05	
936	374100	3770500	7.62E-05	
937	374150	3770500	8.01E-05	
938	374200	3770500	8.37E-05	
939	374250	3770500	8.66E-05	
940	374300	3770500	8.84E-05	
941	374350	3770500	8.90E-05	
942	374400	3770500	8.88E-05	
943	374450	3770500	8.78E-05	
944	374500	3770500	8.73E-05	
945	374550	3770500	8.70E-05	
946	374600	3770500	8.69E-05	
947	374650	3770500	8.68E-05	
948	374700	3770500	8.66E-05	
949	374750	3770500	8.61E-05	
950	374800	3770500	8.53E-05	
951	374850	3770500	8.42E-05	
952	374900	3770500	8.27E-05	
953	374950	3770500	8.07E-05	
954	375000	3770500	7.82E-05	
955	375050	3770500	7.54E-05	
956	375100	3770500	7.23E-05	
957	375150	3770500	6.92E-05	
958	375200	3770500	6.59E-05	
959	375250	3770500	6.27E-05	
960	375300	3770500	5.95E-05	
961	375350	3770500	5.64E-05	
962	375400	3770500	5.34E-05	
963	373900	3770550	6.09E-05	
964	373950	3770550	6.54E-05	
965	374000	3770550	7.03E-05	
966	374050	3770550	7.53E-05	

No.	X	Y	Acute HI	Max
910	374480	3770720	6.29E-02	
911	374500	3770720	6.47E-02	
912	374520	3770720	6.66E-02	
913	374540	3770720	6.67E-02	
914	374560	3770720	6.58E-02	
915	374580	3770720	6.55E-02	
916	374400	3770740	6.11E-02	
917	374420	3770740	6.25E-02	
918	374440	3770740	6.35E-02	
919	374460	3770740	6.42E-02	
920	374480	3770740	6.42E-02	
921	374500	3770740	6.50E-02	
922	374520	3770740	6.71E-02	
923	374540	3770740	6.82E-02	
924	374560	3770740	6.72E-02	
925	374580	3770740	6.76E-02	
926	374400	3770700	6.00E-02	
927	374500	3770700	6.41E-02	
928	374400	3770700	6.13E-02	
929	374500	3770700	6.54E-02	
930	374400	3770700	6.04E-02	
931	374500	3770700	6.43E-02	
932	373900	3770500	2.73E-02	
933	373950	3770500	3.04E-02	
934	374000	3770500	3.41E-02	
935	374050	3770500	3.65E-02	
936	374100	3770500	3.89E-02	
937	374150	3770500	4.08E-02	
938	374200	3770500	4.45E-02	
939	374250	3770500	4.86E-02	
940	374300	3770500	5.02E-02	
941	374350	3770500	5.10E-02	
942	374400	3770500	5.32E-02	
943	374450	3770500	5.38E-02	
944	374500	3770500	5.19E-02	
945	374550	3770500	5.44E-02	
946	374600	3770500	5.70E-02	
947	374650	3770500	5.78E-02	
948	374700	3770500	6.14E-02	
949	374750	3770500	5.99E-02	
950	374800	3770500	6.22E-02	
951	374850	3770500	6.14E-02	
952	374900	3770500	6.05E-02	
953	374950	3770500	6.12E-02	
954	375000	3770500	5.76E-02	
955	375050	3770500	5.73E-02	
956	375100	3770500	5.64E-02	
957	375150	3770500	5.36E-02	
958	375200	3770500	5.18E-02	
959	375250	3770500	5.08E-02	
960	375300	3770500	4.84E-02	
961	375350	3770500	4.64E-02	
962	375400	3770500	4.49E-02	
963	373900	3770550	2.35E-02	
964	373950	3770550	2.96E-02	
965	374000	3770550	3.29E-02	
966	374050	3770550	3.68E-02	

Television City
Acute and Chronic Risk by Receptor

No.	X	Y	Chronic HI	Max
967	374100	3770550	8.01E-05	
968	374150	3770550	8.51E-05	
969	374200	3770550	8.98E-05	
970	374250	3770550	9.42E-05	
971	374300	3770550	9.72E-05	
972	374350	3770550	9.89E-05	
973	374400	3770550	9.94E-05	
974	374450	3770550	9.91E-05	
975	374500	3770550	9.85E-05	
976	374550	3770550	9.83E-05	
977	374600	3770550	9.80E-05	
978	374650	3770550	9.80E-05	
979	374700	3770550	9.78E-05	
980	374750	3770550	9.71E-05	
981	374800	3770550	9.61E-05	
982	374850	3770550	9.47E-05	
983	374900	3770550	9.26E-05	
984	374950	3770550	8.99E-05	
985	375000	3770550	8.67E-05	
986	375050	3770550	8.31E-05	
987	375100	3770550	7.94E-05	
988	375150	3770550	7.54E-05	
989	375200	3770550	7.15E-05	
990	375250	3770550	6.78E-05	
991	375300	3770550	6.40E-05	
992	375350	3770550	6.04E-05	
993	375400	3770550	5.70E-05	
994	373900	3770600	6.28E-05	
995	373950	3770600	6.76E-05	
996	374000	3770600	7.29E-05	
997	374050	3770600	7.86E-05	
998	374100	3770600	8.43E-05	
999	374150	3770600	9.01E-05	
1000	374200	3770600	9.61E-05	
1001	374250	3770600	1.02E-04	
1002	374300	3770600	1.07E-04	
1003	374350	3770600	1.10E-04	
1004	374400	3770600	1.12E-04	
1005	374450	3770600	1.13E-04	
1006	374500	3770600	1.12E-04	
1007	374550	3770600	1.12E-04	
1008	374600	3770600	1.12E-04	
1009	374650	3770600	1.12E-04	
1010	374700	3770600	1.12E-04	
1011	374750	3770600	1.11E-04	
1012	374800	3770600	1.09E-04	
1013	374850	3770600	1.07E-04	
1014	374900	3770600	1.05E-04	
1015	374950	3770600	1.01E-04	
1016	375000	3770600	9.69E-05	
1017	375050	3770600	9.23E-05	
1018	375100	3770600	8.76E-05	
1019	375150	3770600	8.27E-05	
1020	375200	3770600	7.80E-05	
1021	375250	3770600	7.34E-05	
1022	375300	3770600	6.90E-05	
1023	375350	3770600	6.47E-05	

No.	X	Y	Acute HI	Max
967	374100	3770550	3.93E-02	
968	374150	3770550	4.15E-02	
969	374200	3770550	4.36E-02	
970	374250	3770550	4.86E-02	
971	374300	3770550	5.17E-02	
972	374350	3770550	5.33E-02	
973	374400	3770550	5.39E-02	
974	374450	3770550	5.69E-02	
975	374500	3770550	5.50E-02	
976	374550	3770550	5.58E-02	
977	374600	3770550	5.90E-02	
978	374650	3770550	6.12E-02	
979	374700	3770550	6.48E-02	
980	374750	3770550	6.33E-02	
981	374800	3770550	6.56E-02	
982	374850	3770550	6.50E-02	
983	374900	3770550	6.34E-02	
984	374950	3770550	6.37E-02	
985	375000	3770550	6.04E-02	
986	375050	3770550	5.99E-02	
987	375100	3770550	5.78E-02	
988	375150	3770550	5.54E-02	
989	375200	3770550	5.42E-02	
990	375250	3770550	5.25E-02	
991	375300	3770550	4.97E-02	
992	375350	3770550	4.81E-02	
993	375400	3770550	4.68E-02	
994	373900	3770600	2.37E-02	
995	373950	3770600	2.57E-02	
996	374000	3770600	3.21E-02	
997	374050	3770600	3.56E-02	
998	374100	3770600	3.94E-02	
999	374150	3770600	4.21E-02	
1000	374200	3770600	4.39E-02	
1001	374250	3770600	4.63E-02	
1002	374300	3770600	5.24E-02	
1003	374350	3770600	5.49E-02	
1004	374400	3770600	5.62E-02	
1005	374450	3770600	5.83E-02	
1006	374500	3770600	5.83E-02	
1007	374550	3770600	5.74E-02	
1008	374600	3770600	6.22E-02	
1009	374650	3770600	6.49E-02	
1010	374700	3770600	6.81E-02	
1011	374750	3770600	6.69E-02	
1012	374800	3770600	6.94E-02	
1013	374850	3770600	6.85E-02	
1014	374900	3770600	6.76E-02	
1015	374950	3770600	6.58E-02	
1016	375000	3770600	6.39E-02	
1017	375050	3770600	6.31E-02	
1018	375100	3770600	5.98E-02	
1019	375150	3770600	5.76E-02	
1020	375200	3770600	5.65E-02	
1021	375250	3770600	5.33E-02	
1022	375300	3770600	5.15E-02	
1023	375350	3770600	5.00E-02	

Television City
Acute and Chronic Risk by Receptor

No.	X	Y	Chronic HI	Max
1024	375400	3770600	6.08E-05	
1025	373900	3770650	6.49E-05	
1026	373950	3770650	7.00E-05	
1027	374000	3770650	7.58E-05	
1028	374050	3770650	8.23E-05	
1029	374100	3770650	8.89E-05	
1030	374150	3770650	9.60E-05	
1031	374200	3770650	1.03E-04	
1032	374250	3770650	1.10E-04	
1033	374300	3770650	1.17E-04	
1034	374350	3770650	1.22E-04	
1035	374400	3770650	1.26E-04	
1036	374450	3770650	1.29E-04	
1037	374500	3770650	1.30E-04	
1038	374550	3770650	1.29E-04	
1039	374600	3770650	1.29E-04	
1040	374650	3770650	1.29E-04	
1041	374700	3770650	1.29E-04	
1042	374750	3770650	1.28E-04	
1043	374800	3770650	1.26E-04	
1044	374850	3770650	1.23E-04	
1045	374900	3770650	1.19E-04	
1046	374950	3770650	1.15E-04	
1047	375000	3770650	1.09E-04	
1048	375050	3770650	1.03E-04	
1049	375100	3770650	9.70E-05	
1050	375150	3770650	9.11E-05	
1051	375200	3770650	8.53E-05	
1052	375250	3770650	7.98E-05	
1053	375300	3770650	7.45E-05	
1054	375350	3770650	6.95E-05	
1055	375400	3770650	6.47E-05	
1056	373900	3770700	6.70E-05	
1057	373950	3770700	7.26E-05	
1058	374000	3770700	7.90E-05	
1059	374050	3770700	8.61E-05	
1060	374100	3770700	9.37E-05	
1061	374150	3770700	1.02E-04	
1062	374200	3770700	1.11E-04	
1063	374250	3770700	1.19E-04	
1064	374300	3770700	1.28E-04	
1065	374350	3770700	1.36E-04	
1066	374400	3770700	1.43E-04	
1067	374450	3770700	1.48E-04	
1068	374500	3770700	1.51E-04	
1069	374550	3770700	1.52E-04	
1070	374600	3770700	1.52E-04	
1071	374650	3770700	1.52E-04	
1072	374700	3770700	1.51E-04	
1073	374750	3770700	1.50E-04	
1074	374800	3770700	1.47E-04	
1075	374850	3770700	1.43E-04	
1076	374900	3770700	1.38E-04	
1077	374950	3770700	1.31E-04	
1078	375000	3770700	1.24E-04	
1079	375050	3770700	1.16E-04	
1080	375100	3770700	1.08E-04	

No.	X	Y	Acute HI	Max
1024	375400	3770600	4.82E-02	
1025	373900	3770650	2.23E-02	
1026	373950	3770650	2.60E-02	
1027	374000	3770650	2.83E-02	
1028	374050	3770650	3.47E-02	
1029	374100	3770650	3.81E-02	
1030	374150	3770650	4.24E-02	
1031	374200	3770650	4.50E-02	
1032	374250	3770650	4.68E-02	
1033	374300	3770650	5.05E-02	
1034	374350	3770650	5.60E-02	
1035	374400	3770650	5.84E-02	
1036	374450	3770650	5.90E-02	
1037	374500	3770650	6.21E-02	
1038	374550	3770650	6.07E-02	
1039	374600	3770650	6.44E-02	
1040	374650	3770650	6.85E-02	
1041	374700	3770650	7.15E-02	
1042	374750	3770650	7.05E-02	
1043	374800	3770650	7.39E-02	
1044	374850	3770650	7.18E-02	
1045	374900	3770650	7.18E-02	
1046	374950	3770650	6.79E-02	
1047	375000	3770650	6.78E-02	
1048	375050	3770650	6.52E-02	
1049	375100	3770650	6.20E-02	
1050	375150	3770650	6.05E-02	
1051	375200	3770650	5.73E-02	
1052	375250	3770650	5.52E-02	
1053	375300	3770650	5.33E-02	
1054	375350	3770650	5.17E-02	
1055	375400	3770650	4.82E-02	
1056	373900	3770700	2.18E-02	
1057	373950	3770700	2.40E-02	
1058	374000	3770700	2.82E-02	
1059	374050	3770700	3.09E-02	
1060	374100	3770700	3.70E-02	
1061	374150	3770700	4.09E-02	
1062	374200	3770700	4.54E-02	
1063	374250	3770700	4.82E-02	
1064	374300	3770700	4.99E-02	
1065	374350	3770700	5.54E-02	
1066	374400	3770700	6.00E-02	
1067	374450	3770700	6.17E-02	
1068	374500	3770700	6.41E-02	
1069	374550	3770700	6.41E-02	
1070	374600	3770700	6.68E-02	
1071	374650	3770700	7.26E-02	
1072	374700	3770700	7.54E-02	
1073	374750	3770700	7.47E-02	
1074	374800	3770700	7.85E-02	
1075	374850	3770700	7.60E-02	
1076	374900	3770700	7.59E-02	
1077	374950	3770700	7.19E-02	
1078	375000	3770700	7.07E-02	
1079	375050	3770700	6.69E-02	
1080	375100	3770700	6.47E-02	

No.	X	Y	Chronic HI	Max
1081	375150	3770700	1.01E-04	
1082	375200	3770700	9.36E-05	
1083	375250	3770700	8.68E-05	
1084	375300	3770700	8.04E-05	
1085	375350	3770700	7.45E-05	
1086	375400	3770700	6.90E-05	
1087	373900	3770750	6.92E-05	
1088	373950	3770750	7.54E-05	
1089	374000	3770750	8.26E-05	
1090	374050	3770750	9.04E-05	
1091	374100	3770750	9.92E-05	
1092	374150	3770750	1.09E-04	
1093	374200	3770750	1.19E-04	
1094	374250	3770750	1.30E-04	
1095	374300	3770750	1.41E-04	
1096	374350	3770750	1.52E-04	
1097	374400	3770750	1.62E-04	
1098	374450	3770750	1.71E-04	
1099	374500	3770750	1.77E-04	
1100	374550	3770750	1.80E-04	
1101	374600	3770750	1.82E-04	
1102	374650	3770750	1.82E-04	
1103	374700	3770750	1.81E-04	
1104	374750	3770750	1.79E-04	
1105	374800	3770750	1.75E-04	
1106	374850	3770750	1.69E-04	
1107	374900	3770750	1.61E-04	
1108	374950	3770750	1.52E-04	
1109	375000	3770750	1.42E-04	
1110	375050	3770750	1.32E-04	
1111	375100	3770750	1.22E-04	
1112	375150	3770750	1.12E-04	
1113	375200	3770750	1.03E-04	
1114	375250	3770750	9.45E-05	
1115	375300	3770750	8.69E-05	
1116	375350	3770750	8.01E-05	
1117	375400	3770750	7.41E-05	
1118	373900	3770800	7.16E-05	
1119	373950	3770800	7.83E-05	
1120	374000	3770800	8.61E-05	
1121	374050	3770800	9.51E-05	
1122	374100	3770800	1.05E-04	
1123	374150	3770800	1.16E-04	
1124	374200	3770800	1.29E-04	
1125	374250	3770800	1.42E-04	
1126	374300	3770800	1.56E-04	
1127	374350	3770800	1.70E-04	
1128	374400	3770800	1.84E-04	
1129	374450	3770800	1.97E-04	
1130	374500	3770800	2.09E-04	
1131	374550	3770800	2.16E-04	
1132	374600	3770800	2.20E-04	
1133	374650	3770800	2.22E-04	
1134	374700	3770800	2.21E-04	
1135	374750	3770800	2.18E-04	
1136	374800	3770800	2.13E-04	
1137	374850	3770800	2.04E-04	

No.	X	Y	Acute HI	Max
1081	375150	3770700	6.31E-02	
1082	375200	3770700	5.92E-02	
1083	375250	3770700	5.72E-02	
1084	375300	3770700	5.54E-02	
1085	375350	3770700	5.17E-02	
1086	375400	3770700	4.98E-02	
1087	373900	3770750	2.32E-02	
1088	373950	3770750	2.45E-02	
1089	374000	3770750	2.61E-02	
1090	374050	3770750	3.03E-02	
1091	374100	3770750	3.34E-02	
1092	374150	3770750	3.97E-02	
1093	374200	3770750	4.39E-02	
1094	374250	3770750	4.89E-02	
1095	374300	3770750	5.14E-02	
1096	374350	3770750	5.31E-02	
1097	374400	3770750	6.05E-02	
1098	374450	3770750	6.39E-02	
1099	374500	3770750	6.50E-02	
1100	374550	3770750	6.87E-02	
1101	374600	3770750	6.88E-02	
1102	374650	3770750	7.59E-02	
1103	374700	3770750	7.97E-02	
1104	374750	3770750	7.91E-02	
1105	374800	3770750	8.30E-02	
1106	374850	3770750	7.99E-02	
1107	374900	3770750	7.97E-02	
1108	374950	3770750	7.64E-02	
1109	375000	3770750	7.38E-02	
1110	375050	3770750	6.99E-02	
1111	375100	3770750	6.86E-02	
1112	375150	3770750	6.41E-02	
1113	375200	3770750	6.16E-02	
1114	375250	3770750	5.95E-02	
1115	375300	3770750	5.55E-02	
1116	375350	3770750	5.33E-02	
1117	375400	3770750	5.10E-02	
1118	373900	3770800	2.43E-02	
1119	373950	3770800	2.57E-02	
1120	374000	3770800	2.72E-02	
1121	374050	3770800	2.87E-02	
1122	374100	3770800	3.26E-02	
1123	374150	3770800	3.60E-02	
1124	374200	3770800	4.25E-02	
1125	374250	3770800	4.72E-02	
1126	374300	3770800	5.28E-02	
1127	374350	3770800	5.43E-02	
1128	374400	3770800	5.76E-02	
1129	374450	3770800	6.50E-02	
1130	374500	3770800	6.80E-02	
1131	374550	3770800	7.13E-02	
1132	374600	3770800	7.22E-02	
1133	374650	3770800	7.98E-02	
1134	374700	3770800	8.39E-02	
1135	374750	3770800	8.40E-02	
1136	374800	3770800	8.82E-02	
1137	374850	3770800	8.42E-02	

No.	X	Y	Chronic HI	Max
1138	374900	3770800	1.92E-04	
1139	374950	3770800	1.79E-04	
1140	375000	3770800	1.65E-04	
1141	375050	3770800	1.51E-04	
1142	375100	3770800	1.37E-04	
1143	375150	3770800	1.25E-04	
1144	375200	3770800	1.13E-04	
1145	375250	3770800	1.03E-04	
1146	375300	3770800	9.41E-05	
1147	375350	3770800	8.62E-05	
1148	375400	3770800	7.90E-05	
1149	373900	3770850	7.41E-05	
1150	373950	3770850	8.15E-05	
1151	374000	3770850	9.00E-05	
1152	374050	3770850	1.00E-04	
1153	374100	3770850	1.12E-04	
1154	374150	3770850	1.24E-04	
1155	374200	3770850	1.39E-04	
1156	374250	3770850	1.55E-04	
1157	374300	3770850	1.73E-04	
1158	374350	3770850	1.91E-04	
1159	374400	3770850	2.10E-04	
1160	374450	3770850	2.30E-04	
1161	374500	3770850	2.48E-04	
1162	374550	3770850	2.63E-04	
1163	374600	3770850	2.72E-04	
1164	374650	3770850	2.77E-04	
1165	374700	3770850	2.77E-04	
1166	374750	3770850	2.74E-04	
1167	374800	3770850	2.66E-04	
1168	374850	3770850	2.52E-04	
1169	374900	3770850	2.35E-04	
1170	374950	3770850	2.15E-04	
1171	375000	3770850	1.94E-04	
1172	375050	3770850	1.74E-04	
1173	375100	3770850	1.56E-04	
1174	375150	3770850	1.40E-04	
1175	375200	3770850	1.25E-04	
1176	375250	3770850	1.13E-04	
1177	375300	3770850	1.02E-04	
1178	375350	3770850	9.35E-05	
1179	375400	3770850	8.53E-05	
1180	373900	3770900	7.65E-05	
1181	373950	3770900	8.46E-05	
1182	374000	3770900	9.41E-05	
1183	374050	3770900	1.05E-04	
1184	374100	3770900	1.19E-04	
1185	374150	3770900	1.34E-04	
1186	374200	3770900	1.51E-04	
1187	374250	3770900	1.71E-04	
1188	374300	3770900	1.94E-04	
1189	374350	3770900	2.17E-04	
1190	374400	3770900	2.43E-04	
1191	374450	3770900	2.70E-04	
1192	374500	3770900	2.98E-04	
1193	374550	3770900	3.23E-04	
1194	374600	3770900	3.43E-04	

No.	X	Y	Acute HI	Max
1138	374900	3770800	8.23E-02	
1139	374950	3770800	7.96E-02	
1140	375000	3770800	7.52E-02	
1141	375050	3770800	7.31E-02	
1142	375100	3770800	6.95E-02	
1143	375150	3770800	6.65E-02	
1144	375200	3770800	6.40E-02	
1145	375250	3770800	5.98E-02	
1146	375300	3770800	5.72E-02	
1147	375350	3770800	5.47E-02	
1148	375400	3770800	5.12E-02	
1149	373900	3770850	2.53E-02	
1150	373950	3770850	2.71E-02	
1151	374000	3770850	2.87E-02	
1152	374050	3770850	3.03E-02	
1153	374100	3770850	3.17E-02	
1154	374150	3770850	3.46E-02	
1155	374200	3770850	3.85E-02	
1156	374250	3770850	4.55E-02	
1157	374300	3770850	5.10E-02	
1158	374350	3770850	5.65E-02	
1159	374400	3770850	5.78E-02	
1160	374450	3770850	6.36E-02	
1161	374500	3770850	6.96E-02	
1162	374550	3770850	7.27E-02	
1163	374600	3770850	7.66E-02	
1164	374650	3770850	8.26E-02	
1165	374700	3770850	8.81E-02	
1166	374750	3770850	8.92E-02	
1167	374800	3770850	9.30E-02	
1168	374850	3770850	9.00E-02	
1169	374900	3770850	8.55E-02	
1170	374950	3770850	8.32E-02	
1171	375000	3770850	7.69E-02	
1172	375050	3770850	7.42E-02	
1173	375100	3770850	7.18E-02	
1174	375150	3770850	6.88E-02	
1175	375200	3770850	6.45E-02	
1176	375250	3770850	6.18E-02	
1177	375300	3770850	5.83E-02	
1178	375350	3770850	5.44E-02	
1179	375400	3770850	4.91E-02	
1180	373900	3770900	2.71E-02	
1181	373950	3770900	2.80E-02	
1182	374000	3770900	3.01E-02	
1183	374050	3770900	3.18E-02	
1184	374100	3770900	3.36E-02	
1185	374150	3770900	3.48E-02	
1186	374200	3770900	3.75E-02	
1187	374250	3770900	4.12E-02	
1188	374300	3770900	4.91E-02	
1189	374350	3770900	5.48E-02	
1190	374400	3770900	6.02E-02	
1191	374450	3770900	6.20E-02	
1192	374500	3770900	6.99E-02	
1193	374550	3770900	7.59E-02	
1194	374600	3770900	8.07E-02	

Television City
Acute and Chronic Risk by Receptor

No.	X	Y	Chronic HI	Max
1195	374650	3770900	3.55E-04	
1196	374700	3770900	3.60E-04	
1197	374750	3770900	3.57E-04	
1198	374800	3770900	3.45E-04	
1199	374850	3770900	3.23E-04	
1200	374900	3770900	2.93E-04	
1201	374950	3770900	2.62E-04	
1202	375000	3770900	2.32E-04	
1203	375050	3770900	2.04E-04	
1204	375100	3770900	1.78E-04	
1205	375150	3770900	1.57E-04	
1206	375200	3770900	1.39E-04	
1207	375250	3770900	1.24E-04	
1208	375300	3770900	1.12E-04	
1209	375350	3770900	1.01E-04	
1210	375400	3770900	9.17E-05	
1211	373900	3770950	7.91E-05	
1212	373950	3770950	8.78E-05	
1213	374000	3770950	9.84E-05	
1214	374050	3770950	1.11E-04	
1215	374100	3770950	1.26E-04	
1216	374150	3770950	1.44E-04	
1217	374200	3770950	1.65E-04	
1218	374250	3770950	1.90E-04	
1219	374300	3770950	2.19E-04	
1220	374350	3770950	2.51E-04	
1221	374400	3770950	2.85E-04	
1222	374450	3770950	3.23E-04	
1223	374500	3770950	3.65E-04	
1224	374550	3770950	4.05E-04	
1225	374600	3770950	4.41E-04	
1226	374650	3770950	4.69E-04	
1227	374700	3770950	4.86E-04	
1228	374750	3770950	4.90E-04	
1229	374800	3770950	4.73E-04	
1230	374850	3770950	4.36E-04	
1231	374900	3770950	3.82E-04	
1232	374950	3770950	3.29E-04	
1233	375000	3770950	2.82E-04	
1234	375050	3770950	2.37E-04	
1235	375100	3770950	2.03E-04	
1236	375150	3770950	1.77E-04	
1237	375200	3770950	1.54E-04	
1238	375250	3770950	1.36E-04	
1239	375300	3770950	1.22E-04	
1240	375350	3770950	1.10E-04	
1241	375400	3770950	9.99E-05	
1242	373900	3771000	8.16E-05	
1243	373950	3771000	9.11E-05	
1244	374000	3771000	1.03E-04	
1245	374050	3771000	1.16E-04	
1246	374100	3771000	1.34E-04	
1247	374150	3771000	1.55E-04	
1248	374200	3771000	1.80E-04	
1249	374250	3771000	2.12E-04	
1250	374300	3771000	2.49E-04	
1251	374350	3771000	2.93E-04	

No.	X	Y	Acute HI	Max
1195	374650	3770900	8.36E-02	
1196	374700	3770900	9.33E-02	
1197	374750	3770900	9.53E-02	
1198	374800	3770900	9.84E-02	
1199	374850	3770900	9.55E-02	
1200	374900	3770900	8.78E-02	
1201	374950	3770900	8.22E-02	
1202	375000	3770900	8.09E-02	
1203	375050	3770900	7.70E-02	
1204	375100	3770900	7.43E-02	
1205	375150	3770900	6.97E-02	
1206	375200	3770900	6.68E-02	
1207	375250	3770900	6.24E-02	
1208	375300	3770900	5.72E-02	
1209	375350	3770900	5.09E-02	
1210	375400	3770900	4.25E-02	
1211	373900	3770950	3.00E-02	
1212	373950	3770950	3.12E-02	
1213	374000	3770950	3.23E-02	
1214	374050	3770950	3.34E-02	
1215	374100	3770950	3.56E-02	
1216	374150	3770950	3.67E-02	
1217	374200	3770950	3.83E-02	
1218	374250	3770950	4.06E-02	
1219	374300	3770950	4.45E-02	
1220	374350	3770950	5.26E-02	
1221	374400	3770950	5.90E-02	
1222	374450	3770950	6.41E-02	
1223	374500	3770950	6.71E-02	
1224	374550	3770950	7.74E-02	
1225	374600	3770950	8.24E-02	
1226	374650	3770950	8.57E-02	
1227	374700	3770950	9.85E-02	
1228	374750	3770950	1.01E-01	
1229	374800	3770950	1.04E-01	
1230	374850	3770950	9.97E-02	
1231	374900	3770950	9.15E-02	
1232	374950	3770950	8.55E-02	
1233	375000	3770950	8.37E-02	
1234	375050	3770950	8.05E-02	
1235	375100	3770950	7.54E-02	
1236	375150	3770950	7.18E-02	
1237	375200	3770950	6.64E-02	
1238	375250	3770950	5.98E-02	
1239	375300	3770950	5.38E-02	
1240	375350	3770950	4.47E-02	
1241	375400	3770950	4.04E-02	
1242	373900	3771000	3.16E-02	
1243	373950	3771000	3.35E-02	
1244	374000	3771000	3.56E-02	
1245	374050	3771000	3.68E-02	
1246	374100	3771000	3.84E-02	
1247	374150	3771000	3.90E-02	
1248	374200	3771000	3.98E-02	
1249	374250	3771000	4.15E-02	
1250	374300	3771000	4.42E-02	
1251	374350	3771000	4.86E-02	

Television City
Acute and Chronic Risk by Receptor

No.	X	Y	Chronic HI	Max
1252	374400	3771000	3.42E-04	
1253	374450	3771000	3.97E-04	
1254	374500	3771000	4.57E-04	
1255	374550	3771000	5.20E-04	
1256	374600	3771000	5.81E-04	
1257	374650	3771000	6.41E-04	
1258	374700	3771000	6.97E-04	
1259	374750	3771000	7.29E-04	
1260	374800	3771000	7.09E-04	
1261	374850	3771000	6.32E-04	
1262	374900	3771000	5.24E-04	
1263	374950	3771000	4.26E-04	
1264	375000	3771000	3.48E-04	
1265	375050	3771000	2.81E-04	
1266	375100	3771000	2.34E-04	
1267	375150	3771000	2.01E-04	
1268	375200	3771000	1.73E-04	
1269	375250	3771000	1.52E-04	
1270	375300	3771000	1.35E-04	
1271	375350	3771000	1.22E-04	
1272	375400	3771000	1.10E-04	
1273	373900	3771050	8.41E-05	
1274	373950	3771050	9.43E-05	
1275	374000	3771050	1.07E-04	
1276	374050	3771050	1.22E-04	
1277	374100	3771050	1.41E-04	
1278	374150	3771050	1.65E-04	
1279	374200	3771050	1.97E-04	
1280	374250	3771050	2.37E-04	
1281	375000	3771050	4.37E-04	
1282	375050	3771050	3.38E-04	
1283	375100	3771050	2.75E-04	
1284	375150	3771050	2.32E-04	
1285	375200	3771050	1.99E-04	
1286	375250	3771050	1.73E-04	
1287	375300	3771050	1.52E-04	
1288	375350	3771050	1.36E-04	
1289	375400	3771050	1.22E-04	
1290	373900	3771100	8.64E-05	
1291	373950	3771100	9.73E-05	
1292	374000	3771100	1.11E-04	
1293	374050	3771100	1.27E-04	
1294	374100	3771100	1.48E-04	
1295	374150	3771100	1.76E-04	
1296	374200	3771100	2.13E-04	
1297	374250	3771100	2.63E-04	
1298	375000	3771100	5.67E-04	
1299	375050	3771100	4.21E-04	
1300	375100	3771100	3.35E-04	
1301	375150	3771100	2.78E-04	
1302	375200	3771100	2.35E-04	
1303	375250	3771100	2.02E-04	
1304	375300	3771100	1.77E-04	
1305	375350	3771100	1.57E-04	
1306	375400	3771100	1.40E-04	
1307	373900	3771150	8.82E-05	
1308	373950	3771150	9.97E-05	

No.	X	Y	Acute HI	Max
1252	374400	3771000	5.61E-02	
1253	374450	3771000	6.36E-02	
1254	374500	3771000	6.85E-02	
1255	374550	3771000	7.66E-02	
1256	374600	3771000	8.48E-02	
1257	374650	3771000	9.02E-02	
1258	374700	3771000	1.02E-01	
1259	374750	3771000	1.07E-01	
1260	374800	3771000	1.08E-01	
1261	374850	3771000	1.03E-01	
1262	374900	3771000	9.38E-02	
1263	374950	3771000	8.84E-02	
1264	375000	3771000	8.66E-02	
1265	375050	3771000	8.15E-02	
1266	375100	3771000	7.77E-02	
1267	375150	3771000	7.07E-02	
1268	375200	3771000	6.34E-02	
1269	375250	3771000	5.22E-02	
1270	375300	3771000	4.76E-02	
1271	375350	3771000	4.28E-02	
1272	375400	3771000	3.91E-02	
1273	373900	3771050	3.00E-02	
1274	373950	3771050	3.32E-02	
1275	374000	3771050	3.65E-02	
1276	374050	3771050	3.87E-02	
1277	374100	3771050	4.11E-02	
1278	374150	3771050	4.27E-02	
1279	374200	3771050	4.45E-02	
1280	374250	3771050	4.34E-02	
1281	375000	3771050	8.84E-02	
1282	375050	3771050	8.41E-02	
1283	375100	3771050	7.52E-02	
1284	375150	3771050	6.62E-02	
1285	375200	3771050	5.60E-02	
1286	375250	3771050	4.99E-02	
1287	375300	3771050	4.51E-02	
1288	375350	3771050	4.26E-02	
1289	375400	3771050	3.95E-02	
1290	373900	3771100	3.59E-02	
1291	373950	3771100	3.75E-02	
1292	374000	3771100	3.89E-02	
1293	374050	3771100	3.79E-02	
1294	374100	3771100	4.15E-02	
1295	374150	3771100	4.42E-02	
1296	374200	3771100	4.71E-02	
1297	374250	3771100	5.03E-02	
1298	375000	3771100	9.01E-02	
1299	375050	3771100	7.84E-02	
1300	375100	3771100	6.54E-02	
1301	375150	3771100	5.94E-02	
1302	375200	3771100	5.20E-02	
1303	375250	3771100	4.63E-02	
1304	375300	3771100	4.33E-02	
1305	375350	3771100	4.05E-02	
1306	375400	3771100	3.81E-02	
1307	373900	3771150	3.89E-02	
1308	373950	3771150	4.21E-02	

Television City
Acute and Chronic Risk by Receptor

No.	X	Y	Chronic HI	Max
1309	374000	3771150	1.14E-04	
1310	374050	3771150	1.32E-04	
1311	374100	3771150	1.55E-04	
1312	374150	3771150	1.85E-04	
1313	374200	3771150	2.27E-04	
1314	374250	3771150	2.88E-04	
1315	375000	3771150	7.58E-04	
1316	375050	3771150	5.45E-04	
1317	375100	3771150	4.24E-04	
1318	375150	3771150	3.43E-04	
1319	375200	3771150	2.85E-04	
1320	375250	3771150	2.42E-04	
1321	375300	3771150	2.09E-04	
1322	375350	3771150	1.84E-04	
1323	375400	3771150	1.63E-04	
1324	373900	3771200	8.93E-05	
1325	373950	3771200	1.01E-04	
1326	374000	3771200	1.16E-04	
1327	374050	3771200	1.35E-04	
1328	374100	3771200	1.59E-04	
1329	374150	3771200	1.92E-04	
1330	374200	3771200	2.38E-04	
1331	374250	3771200	3.05E-04	
1332	375000	3771200	9.92E-04	
1333	375050	3771200	7.08E-04	
1334	375100	3771200	5.36E-04	
1335	375150	3771200	4.24E-04	
1336	375200	3771200	3.46E-04	
1337	375250	3771200	2.90E-04	
1338	375300	3771200	2.48E-04	
1339	375350	3771200	2.16E-04	
1340	375400	3771200	1.90E-04	
1341	373900	3771250	8.97E-05	
1342	373950	3771250	1.02E-04	
1343	374000	3771250	1.17E-04	
1344	374050	3771250	1.36E-04	
1345	374100	3771250	1.62E-04	
1346	374150	3771250	1.96E-04	
1347	374200	3771250	2.44E-04	
1348	374250	3771250	3.15E-04	
1349	375000	3771250	1.14E-03	
1350	375050	3771250	8.24E-04	
1351	375100	3771250	6.26E-04	
1352	375150	3771250	4.93E-04	
1353	375200	3771250	4.02E-04	
1354	375250	3771250	3.35E-04	
1355	375300	3771250	2.86E-04	
1356	375350	3771250	2.47E-04	
1357	375400	3771250	2.17E-04	
1358	373900	3771300	8.91E-05	
1359	373950	3771300	1.01E-04	
1360	374000	3771300	1.17E-04	
1361	374050	3771300	1.36E-04	
1362	374100	3771300	1.62E-04	
1363	374150	3771300	1.96E-04	
1364	374200	3771300	2.44E-04	
1365	374250	3771300	3.16E-04	

No.	X	Y	Acute HI	Max
1309	374000	3771150	4.49E-02	
1310	374050	3771150	4.71E-02	
1311	374100	3771150	4.87E-02	
1312	374150	3771150	4.96E-02	
1313	374200	3771150	5.12E-02	
1314	374250	3771150	4.99E-02	
1315	375000	3771150	8.25E-02	
1316	375050	3771150	6.90E-02	
1317	375100	3771150	5.92E-02	
1318	375150	3771150	5.21E-02	
1319	375200	3771150	4.90E-02	
1320	375250	3771150	4.58E-02	
1321	375300	3771150	4.38E-02	
1322	375350	3771150	4.21E-02	
1323	375400	3771150	3.98E-02	
1324	373900	3771200	4.36E-02	
1325	373950	3771200	4.74E-02	
1326	374000	3771200	5.08E-02	
1327	374050	3771200	5.43E-02	
1328	374100	3771200	5.76E-02	
1329	374150	3771200	6.10E-02	
1330	374200	3771200	6.43E-02	
1331	374250	3771200	6.71E-02	
1332	375000	3771200	7.01E-02	
1333	375050	3771200	6.02E-02	
1334	375100	3771200	5.44E-02	
1335	375150	3771200	5.06E-02	
1336	375200	3771200	4.73E-02	
1337	375250	3771200	4.42E-02	
1338	375300	3771200	4.15E-02	
1339	375350	3771200	3.91E-02	
1340	375400	3771200	3.65E-02	
1341	373900	3771250	5.01E-02	
1342	373950	3771250	5.30E-02	
1343	374000	3771250	5.55E-02	
1344	374050	3771250	5.84E-02	
1345	374100	3771250	6.18E-02	
1346	374150	3771250	6.61E-02	
1347	374200	3771250	7.03E-02	
1348	374250	3771250	7.32E-02	
1349	375000	3771250	6.01E-02	
1350	375050	3771250	5.65E-02	
1351	375100	3771250	5.18E-02	
1352	375150	3771250	4.75E-02	
1353	375200	3771250	4.30E-02	
1354	375250	3771250	3.89E-02	
1355	375300	3771250	3.57E-02	
1356	375350	3771250	3.31E-02	
1357	375400	3771250	3.08E-02	
1358	373900	3771300	5.50E-02	
1359	373950	3771300	5.94E-02	
1360	374000	3771300	6.38E-02	
1361	374050	3771300	6.79E-02	
1362	374100	3771300	7.19E-02	
1363	374150	3771300	7.54E-02	
1364	374200	3771300	7.95E-02	
1365	374250	3771300	8.53E-02	

Television City
Acute and Chronic Risk by Receptor

No.	X	Y	Chronic HI	Max
1366	375000	3771300	1.12E-03	
1367	375050	3771300	8.43E-04	
1368	375100	3771300	6.60E-04	
1369	375150	3771300	5.29E-04	
1370	375200	3771300	4.38E-04	
1371	375250	3771300	3.67E-04	
1372	375300	3771300	3.14E-04	
1373	375350	3771300	2.71E-04	
1374	375400	3771300	2.38E-04	
1375	373900	3771350	8.76E-05	
1376	373950	3771350	9.95E-05	
1377	374000	3771350	1.14E-04	
1378	374050	3771350	1.33E-04	
1379	374100	3771350	1.58E-04	
1380	374150	3771350	1.91E-04	
1381	374200	3771350	2.39E-04	
1382	374250	3771350	3.09E-04	
1383	375000	3771350	1.01E-03	
1384	375050	3771350	7.94E-04	
1385	375100	3771350	6.42E-04	
1386	375150	3771350	5.27E-04	
1387	375200	3771350	4.43E-04	
1388	375250	3771350	3.78E-04	
1389	375300	3771350	3.27E-04	
1390	375350	3771350	2.84E-04	
1391	375400	3771350	2.51E-04	
1392	373900	3771400	8.52E-05	
1393	373950	3771400	9.66E-05	
1394	374000	3771400	1.11E-04	
1395	374050	3771400	1.28E-04	
1396	374100	3771400	1.52E-04	
1397	374150	3771400	1.83E-04	
1398	374200	3771400	2.26E-04	
1399	374250	3771400	2.91E-04	
1400	375000	3771400	8.84E-04	
1401	375050	3771400	7.18E-04	
1402	375100	3771400	5.95E-04	
1403	375150	3771400	5.00E-04	
1404	375200	3771400	4.26E-04	
1405	375250	3771400	3.68E-04	
1406	375300	3771400	3.24E-04	
1407	375350	3771400	2.85E-04	
1408	375400	3771400	2.52E-04	
1409	373900	3771450	8.22E-05	
1410	373950	3771450	9.28E-05	
1411	374000	3771450	1.06E-04	
1412	374050	3771450	1.22E-04	
1413	374100	3771450	1.43E-04	
1414	374150	3771450	1.71E-04	
1415	374200	3771450	2.10E-04	
1416	374250	3771450	2.66E-04	
1417	375000	3771450	7.63E-04	
1418	375050	3771450	6.34E-04	
1419	375100	3771450	5.36E-04	
1420	375150	3771450	4.58E-04	
1421	375200	3771450	3.97E-04	
1422	375250	3771450	3.49E-04	

No.	X	Y	Acute HI	Max
1366	375000	3771300	6.92E-02	
1367	375050	3771300	6.23E-02	
1368	375100	3771300	5.66E-02	
1369	375150	3771300	5.27E-02	
1370	375200	3771300	4.89E-02	
1371	375250	3771300	4.49E-02	
1372	375300	3771300	4.15E-02	
1373	375350	3771300	3.89E-02	
1374	375400	3771300	3.60E-02	
1375	373900	3771350	5.55E-02	
1376	373950	3771350	6.01E-02	
1377	374000	3771350	6.48E-02	
1378	374050	3771350	6.90E-02	
1379	374100	3771350	7.32E-02	
1380	374150	3771350	7.71E-02	
1381	374200	3771350	8.21E-02	
1382	374250	3771350	8.75E-02	
1383	375000	3771350	6.55E-02	
1384	375050	3771350	6.08E-02	
1385	375100	3771350	5.63E-02	
1386	375150	3771350	5.19E-02	
1387	375200	3771350	4.82E-02	
1388	375250	3771350	4.47E-02	
1389	375300	3771350	4.28E-02	
1390	375350	3771350	4.10E-02	
1391	375400	3771350	3.86E-02	
1392	373900	3771400	5.61E-02	
1393	373950	3771400	6.05E-02	
1394	374000	3771400	6.49E-02	
1395	374050	3771400	6.91E-02	
1396	374100	3771400	7.28E-02	
1397	374150	3771400	7.61E-02	
1398	374200	3771400	7.95E-02	
1399	374250	3771400	8.30E-02	
1400	375000	3771400	6.20E-02	
1401	375050	3771400	5.74E-02	
1402	375100	3771400	5.39E-02	
1403	375150	3771400	5.16E-02	
1404	375200	3771400	4.92E-02	
1405	375250	3771400	4.63E-02	
1406	375300	3771400	4.27E-02	
1407	375350	3771400	4.07E-02	
1408	375400	3771400	3.87E-02	
1409	373900	3771450	5.24E-02	
1410	373950	3771450	5.61E-02	
1411	374000	3771450	5.97E-02	
1412	374050	3771450	6.35E-02	
1413	374100	3771450	6.65E-02	
1414	374150	3771450	6.88E-02	
1415	374200	3771450	7.30E-02	
1416	374250	3771450	8.15E-02	
1417	375000	3771450	6.07E-02	
1418	375050	3771450	5.51E-02	
1419	375100	3771450	4.91E-02	
1420	375150	3771450	4.50E-02	
1421	375200	3771450	4.35E-02	
1422	375250	3771450	4.24E-02	

No.	X	Y	Chronic HI	Max
1423	375300	3771450	3.10E-04	
1424	375350	3771450	2.75E-04	
1425	375400	3771450	2.46E-04	
1426	373900	3771500	7.90E-05	
1427	373950	3771500	8.87E-05	
1428	374000	3771500	1.01E-04	
1429	374050	3771500	1.15E-04	
1430	374100	3771500	1.34E-04	
1431	374150	3771500	1.59E-04	
1432	374200	3771500	1.91E-04	
1433	374250	3771500	2.37E-04	
1434	375000	3771500	6.40E-04	
1435	375050	3771500	5.46E-04	
1436	375100	3771500	4.72E-04	
1437	375150	3771500	4.11E-04	
1438	375200	3771500	3.66E-04	
1439	375250	3771500	3.24E-04	
1440	375300	3771500	2.90E-04	
1441	375350	3771500	2.62E-04	
1442	375400	3771500	2.40E-04	
1443	373900	3771550	7.54E-05	
1444	373950	3771550	8.43E-05	
1445	374000	3771550	9.50E-05	
1446	374050	3771550	1.08E-04	
1447	374100	3771550	1.25E-04	
1448	374150	3771550	1.45E-04	
1449	374200	3771550	1.73E-04	
1450	374250	3771550	2.10E-04	
1451	374300	3771550	2.61E-04	
1452	374350	3771550	3.32E-04	
1453	374400	3771550	4.31E-04	
1454	374450	3771550	5.60E-04	
1455	374500	3771550	6.95E-04	
1456	374550	3771550	8.08E-04	
1457	374600	3771550	8.76E-04	
1458	374650	3771550	9.05E-04	
1459	374700	3771550	9.03E-04	
1460	374750	3771550	8.82E-04	
1461	374800	3771550	8.36E-04	
1462	374850	3771550	7.68E-04	
1463	374900	3771550	6.86E-04	
1464	374950	3771550	6.03E-04	
1465	375000	3771550	5.27E-04	
1466	375050	3771550	4.61E-04	
1467	375100	3771550	4.06E-04	
1468	375150	3771550	3.59E-04	
1469	375200	3771550	3.25E-04	
1470	375250	3771550	2.92E-04	
1471	375300	3771550	2.65E-04	
1472	375350	3771550	2.42E-04	
1473	375400	3771550	2.23E-04	
1474	373900	3771600	7.18E-05	
1475	373950	3771600	7.98E-05	
1476	374000	3771600	8.94E-05	
1477	374050	3771600	1.01E-04	
1478	374100	3771600	1.15E-04	
1479	374150	3771600	1.33E-04	

No.	X	Y	Acute HI	Max
1423	375300	3771450	4.10E-02	
1424	375350	3771450	3.93E-02	
1425	375400	3771450	3.72E-02	
1426	373900	3771500	4.78E-02	
1427	373950	3771500	5.12E-02	
1428	374000	3771500	5.46E-02	
1429	374050	3771500	5.97E-02	
1430	374100	3771500	6.58E-02	
1431	374150	3771500	7.11E-02	
1432	374200	3771500	7.59E-02	
1433	374250	3771500	8.38E-02	
1434	375000	3771500	5.27E-02	
1435	375050	3771500	5.02E-02	
1436	375100	3771500	5.10E-02	
1437	375150	3771500	4.74E-02	
1438	375200	3771500	4.37E-02	
1439	375250	3771500	4.12E-02	
1440	375300	3771500	3.93E-02	
1441	375350	3771500	3.76E-02	
1442	375400	3771500	3.65E-02	
1443	373900	3771550	4.64E-02	
1444	373950	3771550	5.13E-02	
1445	374000	3771550	5.66E-02	
1446	374050	3771550	6.16E-02	
1447	374100	3771550	6.81E-02	
1448	374150	3771550	7.23E-02	
1449	374200	3771550	7.79E-02	
1450	374250	3771550	8.38E-02	
1451	374300	3771550	9.07E-02	
1452	374350	3771550	9.82E-02	
1453	374400	3771550	1.06E-01	
1454	374450	3771550	1.13E-01	
1455	374500	3771550	1.09E-01	
1456	374550	3771550	9.96E-02	
1457	374600	3771550	8.72E-02	
1458	374650	3771550	8.27E-02	
1459	374700	3771550	8.28E-02	
1460	374750	3771550	8.78E-02	
1461	374800	3771550	8.57E-02	
1462	374850	3771550	7.14E-02	
1463	374900	3771550	5.88E-02	
1464	374950	3771550	5.52E-02	
1465	375000	3771550	5.00E-02	
1466	375050	3771550	4.96E-02	
1467	375100	3771550	4.67E-02	
1468	375150	3771550	4.47E-02	
1469	375200	3771550	4.34E-02	
1470	375250	3771550	4.18E-02	
1471	375300	3771550	3.97E-02	
1472	375350	3771550	3.72E-02	
1473	375400	3771550	3.52E-02	
1474	373900	3771600	4.79E-02	
1475	373950	3771600	5.31E-02	
1476	374000	3771600	5.74E-02	
1477	374050	3771600	6.19E-02	
1478	374100	3771600	6.73E-02	
1479	374150	3771600	7.20E-02	

Television City
Acute and Chronic Risk by Receptor

No.	X	Y	Chronic HI	Max
1480	374200	3771600	1.55E-04	
1481	374250	3771600	1.85E-04	
1482	374300	3771600	2.24E-04	
1483	374350	3771600	2.74E-04	
1484	374400	3771600	3.39E-04	
1485	374450	3771600	4.20E-04	
1486	374500	3771600	5.02E-04	
1487	374550	3771600	5.70E-04	
1488	374600	3771600	6.16E-04	
1489	374650	3771600	6.38E-04	
1490	374700	3771600	6.41E-04	
1491	374750	3771600	6.31E-04	
1492	374800	3771600	6.08E-04	
1493	374850	3771600	5.74E-04	
1494	374900	3771600	5.30E-04	
1495	374950	3771600	4.80E-04	
1496	375000	3771600	4.31E-04	
1497	375050	3771600	3.86E-04	
1498	375100	3771600	3.46E-04	
1499	375150	3771600	3.11E-04	
1500	375200	3771600	2.85E-04	
1501	375250	3771600	2.59E-04	
1502	375300	3771600	2.38E-04	
1503	375350	3771600	2.18E-04	
1504	375400	3771600	2.03E-04	
1505	373900	3771650	6.83E-05	
1506	373950	3771650	7.55E-05	
1507	374000	3771650	8.40E-05	
1508	374050	3771650	9.41E-05	
1509	374100	3771650	1.06E-04	
1510	374150	3771650	1.21E-04	
1511	374200	3771650	1.40E-04	
1512	374250	3771650	1.63E-04	
1513	374300	3771650	1.92E-04	
1514	374350	3771650	2.29E-04	
1515	374400	3771650	2.75E-04	
1516	374450	3771650	3.31E-04	
1517	374500	3771650	3.87E-04	
1518	374550	3771650	4.33E-04	
1519	374600	3771650	4.65E-04	
1520	374650	3771650	4.82E-04	
1521	374700	3771650	4.86E-04	
1522	374750	3771650	4.80E-04	
1523	374800	3771650	4.67E-04	
1524	374850	3771650	4.47E-04	
1525	374900	3771650	4.19E-04	
1526	374950	3771650	3.88E-04	
1527	375000	3771650	3.55E-04	
1528	375050	3771650	3.23E-04	
1529	375100	3771650	2.94E-04	
1530	375150	3771650	2.69E-04	
1531	375200	3771650	2.46E-04	
1532	375250	3771650	2.27E-04	
1533	375300	3771650	2.10E-04	
1534	375350	3771650	1.95E-04	
1535	375400	3771650	1.82E-04	
1536	373900	3771700	6.49E-05	

No.	X	Y	Acute HI	Max
1480	374200	3771600	7.78E-02	
1481	374250	3771600	8.45E-02	
1482	374300	3771600	9.09E-02	
1483	374350	3771600	9.61E-02	
1484	374400	3771600	9.93E-02	
1485	374450	3771600	9.36E-02	
1486	374500	3771600	8.66E-02	
1487	374550	3771600	7.38E-02	
1488	374600	3771600	7.99E-02	
1489	374650	3771600	5.96E-02	
1490	374700	3771600	7.44E-02	
1491	374750	3771600	7.42E-02	
1492	374800	3771600	7.36E-02	
1493	374850	3771600	6.45E-02	
1494	374900	3771600	5.90E-02	
1495	374950	3771600	5.13E-02	
1496	375000	3771600	5.01E-02	
1497	375050	3771600	4.64E-02	
1498	375100	3771600	4.66E-02	
1499	375150	3771600	4.45E-02	
1500	375200	3771600	4.39E-02	
1501	375250	3771600	4.08E-02	
1502	375300	3771600	3.95E-02	
1503	375350	3771600	3.81E-02	
1504	375400	3771600	3.62E-02	
1505	373900	3771650	4.71E-02	
1506	373950	3771650	5.16E-02	
1507	374000	3771650	5.66E-02	
1508	374050	3771650	6.11E-02	
1509	374100	3771650	6.67E-02	
1510	374150	3771650	7.33E-02	
1511	374200	3771650	7.87E-02	
1512	374250	3771650	8.28E-02	
1513	374300	3771650	8.80E-02	
1514	374350	3771650	8.73E-02	
1515	374400	3771650	8.14E-02	
1516	374450	3771650	7.50E-02	
1517	374500	3771650	6.61E-02	
1518	374550	3771650	7.13E-02	
1519	374600	3771650	6.32E-02	
1520	374650	3771650	5.33E-02	
1521	374700	3771650	6.75E-02	
1522	374750	3771650	6.42E-02	
1523	374800	3771650	6.72E-02	
1524	374850	3771650	6.17E-02	
1525	374900	3771650	5.55E-02	
1526	374950	3771650	5.01E-02	
1527	375000	3771650	4.86E-02	
1528	375050	3771650	4.62E-02	
1529	375100	3771650	4.37E-02	
1530	375150	3771650	4.39E-02	
1531	375200	3771650	4.22E-02	
1532	375250	3771650	3.99E-02	
1533	375300	3771650	3.89E-02	
1534	375350	3771650	3.75E-02	
1535	375400	3771650	3.58E-02	
1536	373900	3771700	4.63E-02	

Television City
Acute and Chronic Risk by Receptor

No.	X	Y	Chronic HI	Max
1537	373950	3771700	7.13E-05	
1538	374000	3771700	7.88E-05	
1539	374050	3771700	8.75E-05	
1540	374100	3771700	9.80E-05	
1541	374150	3771700	1.10E-04	
1542	374200	3771700	1.25E-04	
1543	374250	3771700	1.44E-04	
1544	374300	3771700	1.66E-04	
1545	374350	3771700	1.95E-04	
1546	374400	3771700	2.28E-04	
1547	374450	3771700	2.69E-04	
1548	374500	3771700	3.10E-04	
1549	374550	3771700	3.44E-04	
1550	374600	3771700	3.66E-04	
1551	374650	3771700	3.80E-04	
1552	374700	3771700	3.83E-04	
1553	374750	3771700	3.80E-04	
1554	374800	3771700	3.71E-04	
1555	374850	3771700	3.58E-04	
1556	374900	3771700	3.40E-04	
1557	374950	3771700	3.19E-04	
1558	375000	3771700	2.96E-04	
1559	375050	3771700	2.73E-04	
1560	375100	3771700	2.51E-04	
1561	375150	3771700	2.32E-04	
1562	375200	3771700	2.15E-04	
1563	375250	3771700	2.00E-04	
1564	375300	3771700	1.87E-04	
1565	375350	3771700	1.75E-04	
1566	375400	3771700	1.65E-04	
1567	373900	3771750	6.16E-05	
1568	373950	3771750	6.73E-05	
1569	374000	3771750	7.38E-05	
1570	374050	3771750	8.14E-05	
1571	374100	3771750	9.02E-05	
1572	374150	3771750	1.01E-04	
1573	374200	3771750	1.13E-04	
1574	374250	3771750	1.27E-04	
1575	374300	3771750	1.45E-04	
1576	374350	3771750	1.68E-04	
1577	374400	3771750	1.94E-04	
1578	374450	3771750	2.25E-04	
1579	374500	3771750	2.57E-04	
1580	374550	3771750	2.82E-04	
1581	374600	3771750	2.99E-04	
1582	374650	3771750	3.10E-04	
1583	374700	3771750	3.13E-04	
1584	374750	3771750	3.11E-04	
1585	374800	3771750	3.05E-04	
1586	374850	3771750	2.95E-04	
1587	374900	3771750	2.82E-04	
1588	374950	3771750	2.67E-04	
1589	375000	3771750	2.50E-04	
1590	375050	3771750	2.33E-04	
1591	375100	3771750	2.16E-04	
1592	375150	3771750	2.01E-04	
1593	375200	3771750	1.88E-04	

No.	X	Y	Acute HI	Max
1537	373950	3771700	5.14E-02	
1538	374000	3771700	5.69E-02	
1539	374050	3771700	6.21E-02	
1540	374100	3771700	6.72E-02	
1541	374150	3771700	7.14E-02	
1542	374200	3771700	7.60E-02	
1543	374250	3771700	7.97E-02	
1544	374300	3771700	7.68E-02	
1545	374350	3771700	7.13E-02	
1546	374400	3771700	5.85E-02	
1547	374450	3771700	5.75E-02	
1548	374500	3771700	6.44E-02	
1549	374550	3771700	6.10E-02	
1550	374600	3771700	4.99E-02	
1551	374650	3771700	5.13E-02	
1552	374700	3771700	5.94E-02	
1553	374750	3771700	5.64E-02	
1554	374800	3771700	5.97E-02	
1555	374850	3771700	5.82E-02	
1556	374900	3771700	4.77E-02	
1557	374950	3771700	4.81E-02	
1558	375000	3771700	4.68E-02	
1559	375050	3771700	4.59E-02	
1560	375100	3771700	4.33E-02	
1561	375150	3771700	4.14E-02	
1562	375200	3771700	4.10E-02	
1563	375250	3771700	3.96E-02	
1564	375300	3771700	3.76E-02	
1565	375350	3771700	3.71E-02	
1566	375400	3771700	3.50E-02	
1567	373900	3771750	4.73E-02	
1568	373950	3771750	5.18E-02	
1569	374000	3771750	5.64E-02	
1570	374050	3771750	6.09E-02	
1571	374100	3771750	6.50E-02	
1572	374150	3771750	6.94E-02	
1573	374200	3771750	7.16E-02	
1574	374250	3771750	6.74E-02	
1575	374300	3771750	6.32E-02	
1576	374350	3771750	5.24E-02	
1577	374400	3771750	5.20E-02	
1578	374450	3771750	5.73E-02	
1579	374500	3771750	5.77E-02	
1580	374550	3771750	4.79E-02	
1581	374600	3771750	4.35E-02	
1582	374650	3771750	4.93E-02	
1583	374700	3771750	5.19E-02	
1584	374750	3771750	5.02E-02	
1585	374800	3771750	5.31E-02	
1586	374850	3771750	5.30E-02	
1587	374900	3771750	4.36E-02	
1588	374950	3771750	4.37E-02	
1589	375000	3771750	4.51E-02	
1590	375050	3771750	4.44E-02	
1591	375100	3771750	4.28E-02	
1592	375150	3771750	4.08E-02	
1593	375200	3771750	3.89E-02	

Television City
Acute and Chronic Risk by Receptor

No.	X	Y	Chronic HI	Max
1594	375250	3771750	1.76E-04	
1595	375300	3771750	1.65E-04	
1596	375350	3771750	1.55E-04	
1597	375400	3771750	1.47E-04	
1598	373900	3771800	5.84E-05	
1599	373950	3771800	6.34E-05	
1600	374000	3771800	6.91E-05	
1601	374050	3771800	7.57E-05	
1602	374100	3771800	8.33E-05	
1603	374150	3771800	9.20E-05	
1604	374200	3771800	1.02E-04	
1605	374250	3771800	1.14E-04	
1606	374300	3771800	1.29E-04	
1607	374350	3771800	1.46E-04	
1608	374400	3771800	1.67E-04	
1609	374450	3771800	1.92E-04	
1610	374500	3771800	2.17E-04	
1611	374550	3771800	2.37E-04	
1612	374600	3771800	2.51E-04	
1613	374650	3771800	2.59E-04	
1614	374700	3771800	2.61E-04	
1615	374750	3771800	2.60E-04	
1616	374800	3771800	2.56E-04	
1617	374850	3771800	2.49E-04	
1618	374900	3771800	2.39E-04	
1619	374950	3771800	2.27E-04	
1620	375000	3771800	2.13E-04	
1621	375050	3771800	2.01E-04	
1622	375100	3771800	1.88E-04	
1623	375150	3771800	1.77E-04	
1624	375200	3771800	1.65E-04	
1625	375250	3771800	1.55E-04	
1626	375300	3771800	1.46E-04	
1627	375350	3771800	1.38E-04	
1628	375400	3771800	1.31E-04	
1629	373900	3771850	5.53E-05	
1630	373950	3771850	5.97E-05	
1631	374000	3771850	6.48E-05	
1632	374050	3771850	7.05E-05	
1633	374100	3771850	7.70E-05	
1634	374150	3771850	8.43E-05	
1635	374200	3771850	9.23E-05	
1636	374250	3771850	1.03E-04	
1637	374300	3771850	1.15E-04	
1638	374350	3771850	1.29E-04	
1639	374400	3771850	1.46E-04	
1640	374450	3771850	1.66E-04	
1641	374500	3771850	1.86E-04	
1642	374550	3771850	2.03E-04	
1643	374600	3771850	2.15E-04	
1644	374650	3771850	2.21E-04	
1645	374700	3771850	2.23E-04	
1646	374750	3771850	2.22E-04	
1647	374800	3771850	2.19E-04	
1648	374850	3771850	2.13E-04	
1649	374900	3771850	2.05E-04	
1650	374950	3771850	1.96E-04	

No.	X	Y	Acute HI	Max
1594	375250	3771750	3.84E-02	
1595	375300	3771750	3.70E-02	
1596	375350	3771750	3.51E-02	
1597	375400	3771750	3.27E-02	
1598	373900	3771800	4.66E-02	
1599	373950	3771800	5.03E-02	
1600	374000	3771800	5.38E-02	
1601	374050	3771800	5.83E-02	
1602	374100	3771800	6.20E-02	
1603	374150	3771800	6.32E-02	
1604	374200	3771800	5.97E-02	
1605	374250	3771800	5.57E-02	
1606	374300	3771800	4.74E-02	
1607	374350	3771800	4.69E-02	
1608	374400	3771800	5.13E-02	
1609	374450	3771800	5.41E-02	
1610	374500	3771800	4.96E-02	
1611	374550	3771800	4.14E-02	
1612	374600	3771800	3.99E-02	
1613	374650	3771800	4.64E-02	
1614	374700	3771800	4.62E-02	
1615	374750	3771800	4.51E-02	
1616	374800	3771800	4.80E-02	
1617	374850	3771800	4.81E-02	
1618	374900	3771800	4.16E-02	
1619	374950	3771800	3.82E-02	
1620	375000	3771800	4.24E-02	
1621	375050	3771800	4.26E-02	
1622	375100	3771800	4.18E-02	
1623	375150	3771800	3.97E-02	
1624	375200	3771800	3.82E-02	
1625	375250	3771800	3.64E-02	
1626	375300	3771800	3.55E-02	
1627	375350	3771800	3.43E-02	
1628	375400	3771800	3.24E-02	
1629	373900	3771850	4.43E-02	
1630	373950	3771850	4.80E-02	
1631	374000	3771850	5.22E-02	
1632	374050	3771850	5.50E-02	
1633	374100	3771850	5.44E-02	
1634	374150	3771850	5.24E-02	
1635	374200	3771850	4.30E-02	
1636	374250	3771850	4.25E-02	
1637	374300	3771850	4.26E-02	
1638	374350	3771850	4.44E-02	
1639	374400	3771850	5.07E-02	
1640	374450	3771850	4.82E-02	
1641	374500	3771850	4.01E-02	
1642	374550	3771850	3.74E-02	
1643	374600	3771850	3.78E-02	
1644	374650	3771850	4.31E-02	
1645	374700	3771850	4.17E-02	
1646	374750	3771850	4.07E-02	
1647	374800	3771850	4.36E-02	
1648	374850	3771850	4.44E-02	
1649	374900	3771850	3.90E-02	
1650	374950	3771850	3.59E-02	

Television City
Acute and Chronic Risk by Receptor

No.	X	Y	Chronic HI	Max
1651	375000	3771850	1.86E-04	
1652	375050	3771850	1.76E-04	
1653	375100	3771850	1.65E-04	
1654	375150	3771850	1.56E-04	
1655	375200	3771850	1.47E-04	
1656	375250	3771850	1.38E-04	
1657	375300	3771850	1.31E-04	
1658	375350	3771850	1.24E-04	
1659	375400	3771850	1.18E-04	
1660	373900	3771900	5.23E-05	
1661	373950	3771900	5.63E-05	
1662	374000	3771900	6.07E-05	
1663	374050	3771900	6.57E-05	
1664	374100	3771900	7.14E-05	
1665	374150	3771900	7.78E-05	
1666	374200	3771900	8.49E-05	
1667	374250	3771900	9.41E-05	
1668	374300	3771900	1.04E-04	
1669	374350	3771900	1.16E-04	
1670	374400	3771900	1.28E-04	
1671	374450	3771900	1.44E-04	
1672	374500	3771900	1.61E-04	
1673	374550	3771900	1.76E-04	
1674	374600	3771900	1.85E-04	
1675	374650	3771900	1.91E-04	
1676	374700	3771900	1.92E-04	
1677	374750	3771900	1.92E-04	
1678	374800	3771900	1.89E-04	
1679	374850	3771900	1.85E-04	
1680	374900	3771900	1.79E-04	
1681	374950	3771900	1.72E-04	
1682	375000	3771900	1.63E-04	
1683	375050	3771900	1.55E-04	
1684	375100	3771900	1.47E-04	
1685	375150	3771900	1.39E-04	
1686	375200	3771900	1.31E-04	
1687	375250	3771900	1.24E-04	
1688	375300	3771900	1.17E-04	
1689	375350	3771900	1.12E-04	
1690	375400	3771900	1.06E-04	
1691	373900	3771950	4.95E-05	
1692	373950	3771950	5.30E-05	
1693	374000	3771950	5.69E-05	
1694	374050	3771950	6.13E-05	
1695	374100	3771950	6.63E-05	
1696	374150	3771950	7.18E-05	
1697	374200	3771950	7.80E-05	
1698	374250	3771950	8.51E-05	
1699	374300	3771950	9.41E-05	
1700	374350	3771950	1.04E-04	
1701	374400	3771950	1.15E-04	
1702	374450	3771950	1.28E-04	
1703	374500	3771950	1.42E-04	
1704	374550	3771950	1.55E-04	
1705	374600	3771950	1.63E-04	
1706	374650	3771950	1.67E-04	
1707	374700	3771950	1.69E-04	

No.	X	Y	Acute HI	Max
1651	375000	3771850	3.82E-02	
1652	375050	3771850	4.10E-02	
1653	375100	3771850	4.02E-02	
1654	375150	3771850	3.94E-02	
1655	375200	3771850	3.64E-02	
1656	375250	3771850	3.53E-02	
1657	375300	3771850	3.36E-02	
1658	375350	3771850	3.25E-02	
1659	375400	3771850	3.16E-02	
1660	373900	3771900	4.23E-02	
1661	373950	3771900	4.60E-02	
1662	374000	3771900	4.80E-02	
1663	374050	3771900	4.68E-02	
1664	374100	3771900	4.53E-02	
1665	374150	3771900	3.85E-02	
1666	374200	3771900	3.79E-02	
1667	374250	3771900	3.79E-02	
1668	374300	3771900	3.92E-02	
1669	374350	3771900	4.49E-02	
1670	374400	3771900	4.58E-02	
1671	374450	3771900	3.88E-02	
1672	374500	3771900	3.49E-02	
1673	374550	3771900	3.40E-02	
1674	374600	3771900	3.62E-02	
1675	374650	3771900	3.96E-02	
1676	374700	3771900	3.80E-02	
1677	374750	3771900	3.72E-02	
1678	374800	3771900	4.00E-02	
1679	374850	3771900	4.11E-02	
1680	374900	3771900	3.63E-02	
1681	374950	3771900	3.41E-02	
1682	375000	3771900	3.38E-02	
1683	375050	3771900	3.78E-02	
1684	375100	3771900	3.88E-02	
1685	375150	3771900	3.80E-02	
1686	375200	3771900	3.67E-02	
1687	375250	3771900	3.34E-02	
1688	375300	3771900	3.23E-02	
1689	375350	3771900	3.08E-02	
1690	375400	3771900	2.98E-02	
1691	373900	3771950	4.05E-02	
1692	373950	3771950	4.13E-02	
1693	374000	3771950	4.01E-02	
1694	374050	3771950	3.31E-02	
1695	374100	3771950	3.38E-02	
1696	374150	3771950	3.35E-02	
1697	374200	3771950	3.37E-02	
1698	374250	3771950	3.44E-02	
1699	374300	3771950	3.95E-02	
1700	374350	3771950	4.26E-02	
1701	374400	3771950	4.16E-02	
1702	374450	3771950	3.35E-02	
1703	374500	3771950	3.18E-02	
1704	374550	3771950	3.18E-02	
1705	374600	3771950	3.42E-02	
1706	374650	3771950	3.65E-02	
1707	374700	3771950	3.52E-02	

Television City
Acute and Chronic Risk by Receptor

No.	X	Y	Chronic HI	Max
1708	374750	3771950	1.68E-04	
1709	374800	3771950	1.66E-04	
1710	374850	3771950	1.63E-04	
1711	374900	3771950	1.58E-04	
1712	374950	3771950	1.52E-04	
1713	375000	3771950	1.45E-04	
1714	375050	3771950	1.38E-04	
1715	375100	3771950	1.31E-04	
1716	375150	3771950	1.25E-04	
1717	375200	3771950	1.18E-04	
1718	375250	3771950	1.12E-04	
1719	375300	3771950	1.06E-04	
1720	375350	3771950	1.01E-04	
1721	375400	3771950	9.63E-05	
1722	373900	3772000	4.69E-05	
1723	373950	3772000	5.00E-05	
1724	374000	3772000	5.34E-05	
1725	374050	3772000	5.72E-05	
1726	374100	3772000	6.14E-05	
1727	374150	3772000	6.63E-05	
1728	374200	3772000	7.20E-05	
1729	374250	3772000	7.85E-05	
1730	374300	3772000	8.60E-05	
1731	374350	3772000	9.42E-05	
1732	374400	3772000	1.04E-04	
1733	374450	3772000	1.15E-04	
1734	374500	3772000	1.27E-04	
1735	374550	3772000	1.38E-04	
1736	374600	3772000	1.45E-04	
1737	374650	3772000	1.48E-04	
1738	374700	3772000	1.49E-04	
1739	374750	3772000	1.49E-04	
1740	374800	3772000	1.47E-04	
1741	374850	3772000	1.45E-04	
1742	374900	3772000	1.41E-04	
1743	374950	3772000	1.36E-04	
1744	375000	3772000	1.30E-04	
1745	375050	3772000	1.25E-04	
1746	375100	3772000	1.18E-04	
1747	375150	3772000	1.13E-04	
1748	375200	3772000	1.07E-04	
1749	375250	3772000	1.02E-04	
1750	375300	3772000	9.65E-05	
1751	375350	3772000	9.18E-05	
1752	375400	3772000	8.77E-05	

No.	X	Y	Acute HI	Max
1708	374750	3771950	3.44E-02	
1709	374800	3771950	3.67E-02	
1710	374850	3771950	3.80E-02	
1711	374900	3771950	3.41E-02	
1712	374950	3771950	3.23E-02	
1713	375000	3771950	3.15E-02	
1714	375050	3771950	3.31E-02	
1715	375100	3771950	3.67E-02	
1716	375150	3771950	3.64E-02	
1717	375200	3771950	3.56E-02	
1718	375250	3771950	3.40E-02	
1719	375300	3771950	3.06E-02	
1720	375350	3771950	2.93E-02	
1721	375400	3771950	2.80E-02	
1722	373900	3772000	3.51E-02	
1723	373950	3772000	3.40E-02	
1724	374000	3772000	2.90E-02	
1725	374050	3772000	2.93E-02	
1726	374100	3772000	2.93E-02	
1727	374150	3772000	3.02E-02	
1728	374200	3772000	2.96E-02	
1729	374250	3772000	3.49E-02	
1730	374300	3772000	3.90E-02	
1731	374350	3772000	3.85E-02	
1732	374400	3772000	3.41E-02	
1733	374450	3772000	2.88E-02	
1734	374500	3772000	2.94E-02	
1735	374550	3772000	3.06E-02	
1736	374600	3772000	3.22E-02	
1737	374650	3772000	3.37E-02	
1738	374700	3772000	3.27E-02	
1739	374750	3772000	3.20E-02	
1740	374800	3772000	3.40E-02	
1741	374850	3772000	3.50E-02	
1742	374900	3772000	3.20E-02	
1743	374950	3772000	3.04E-02	
1744	375000	3772000	3.01E-02	
1745	375050	3772000	3.01E-02	
1746	375100	3772000	3.35E-02	
1747	375150	3772000	3.50E-02	
1748	375200	3772000	3.41E-02	
1749	375250	3772000	3.33E-02	
1750	375300	3772000	3.13E-02	
1751	375350	3772000	2.77E-02	
1752	375400	3772000	2.65E-02	

Television City

Cancer Burden Calculations

Residential Exposure Parameters: 70-year exposure duration, 3rd trimester start age

	X (m)	Y (m)
Center Point of 1 in 1 million contour	374,623	3,771,314
Distance from Center point (m)	400	

HARP 2010 Census Database

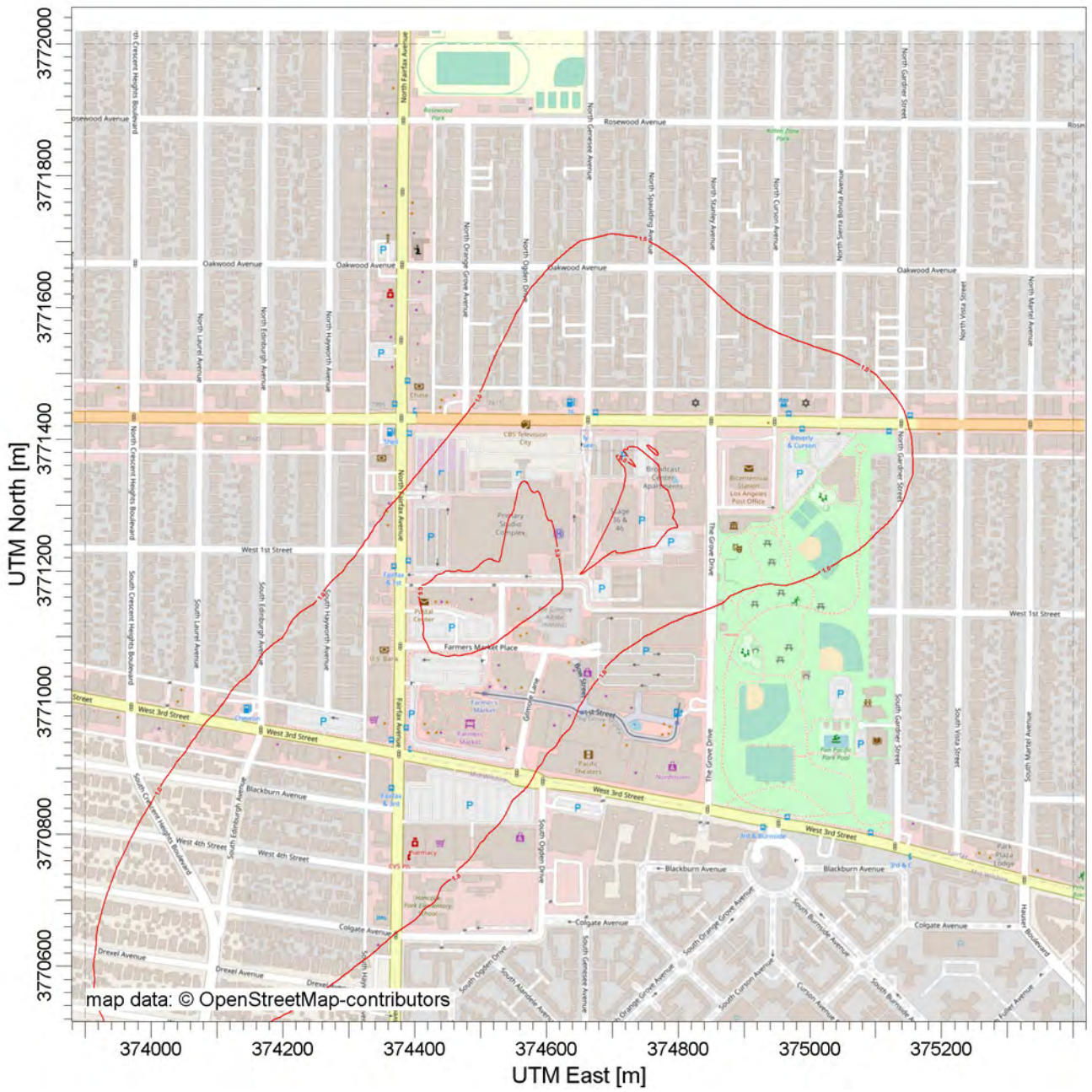
Census Tract	Block No	X (m)	Y (m)	Elevation	Population
194500	1009	374,328	3,771,548	0	106
214400	1003	374,903	3,771,542	0	192
214400	2003	374,807	3,771,543	0	206
214400	2004	374,713	3,771,544	0	167
214400	3002	374,432	3,771,546	0	101
214400	3003	374,526	3,771,545	0	174
214400	3004	374,619	3,771,545	0	185
214501	2001	374,738	3,771,109	0	443
214501	2002	374,712	3,771,404	0	3
214501	2003	374,523	3,771,256	0	9
214501	2004	374,483	3,770,999	0	0
214600	1000	374,326	3,771,331	0	107
Total					**1693**

Maximum Cancer Risk	7.74E-06
Cancer Burden	**0.01**

PROJECT TITLE:

HARP GENERATED FILE **06/14/23**

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: ALL

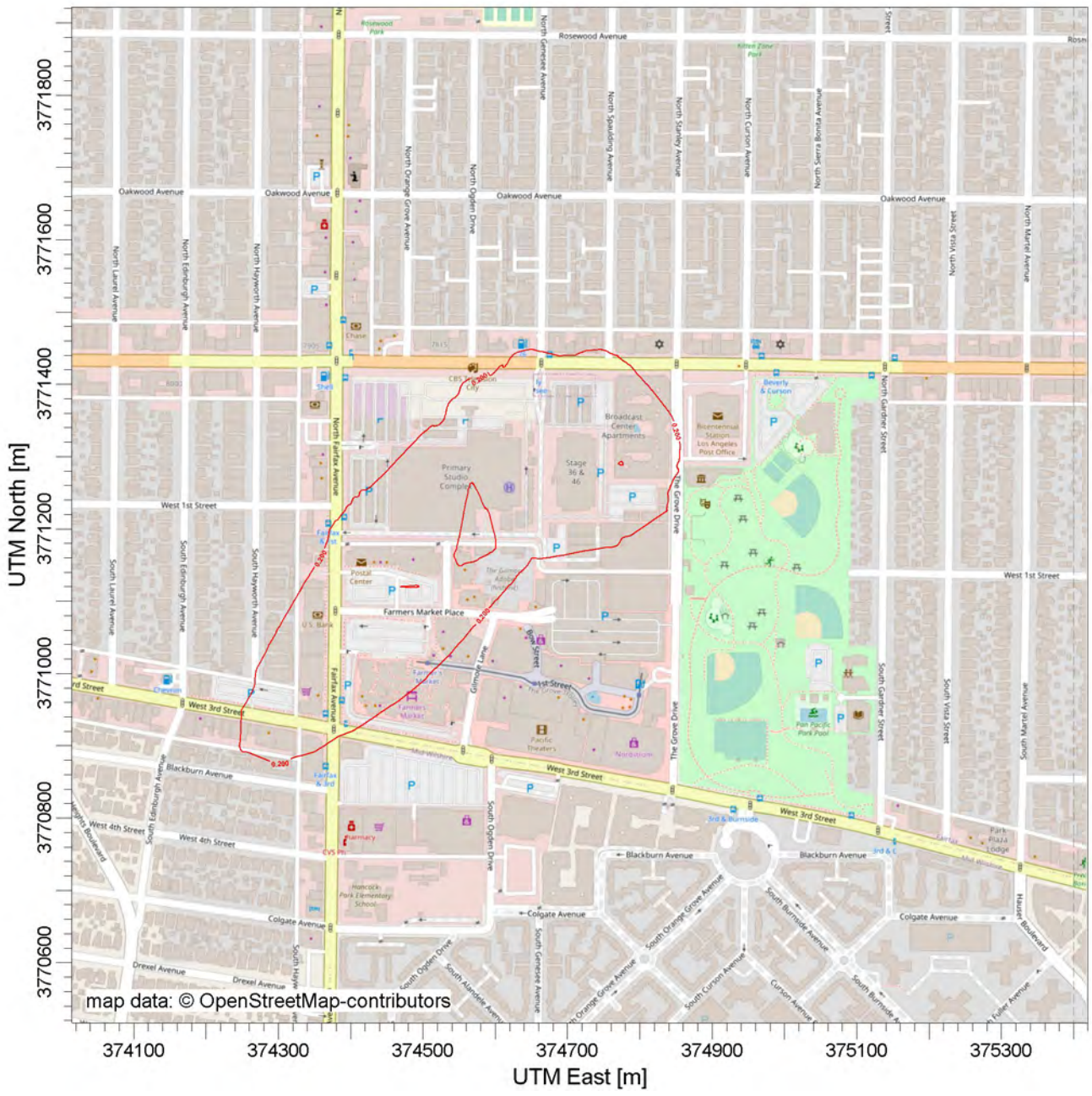


COMMENTS:	MODELING OPTIONS:		COMPANY NAME:	
Existing - Residential Exposure	**MODELING, OPTIONS, USED:, REGDFAULT, CONC, ELEV, FLGPOL, URBAN, ADJ_U***		MODELER:	
	OUTPUT TYPE: **Concentration**	RECEPTORS: **1752**	SCALE: 1:9,684 0 0.3 km	
	MAX: **12.315**	UNITS: **ug/m^3**	DATE: **6/16/2023**	PROJECT NO.:

PROJECT TITLE:

HARP GENERATED FILE **06/14/23**

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: ALL

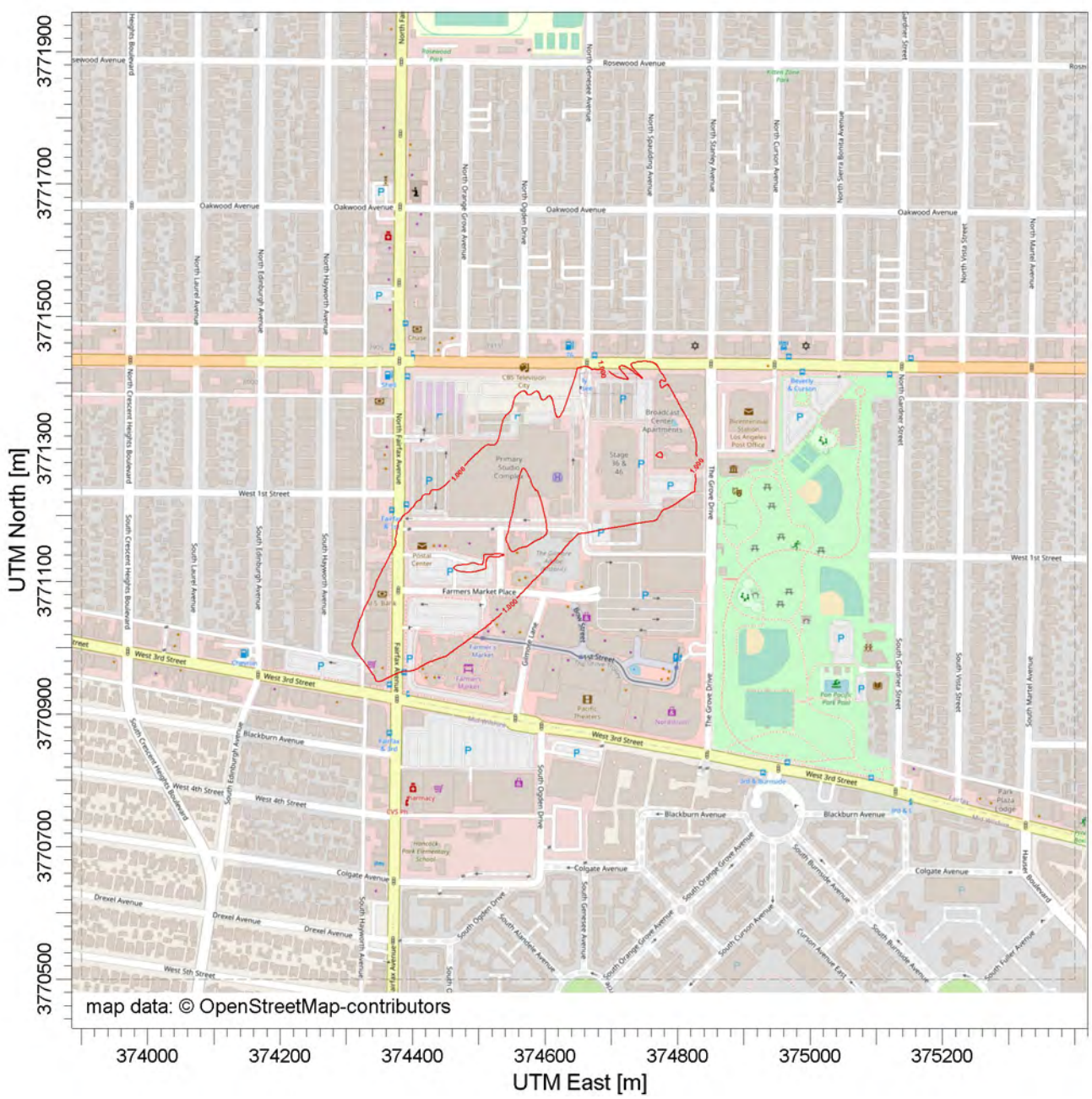


COMMENTS: Existing Cancer Risk - Worker	MODELING OPTIONS: **MODELING, OPTIONS, USED:, REGDFAULT, CONC, ELEV, FLGPOL, URBAN, ADJ_U***		COMPANY NAME: MODELER:	
	OUTPUT TYPE: **Concentration**	RECEPTORS: **1752**	SCALE: 1:8,837 0 0.2 km	
	MAX: **0.86140555**	UNITS: **ug/m^3**	DATE: **6/16/2023**	PROJECT NO.:

PROJECT TITLE:

HARP GENERATED FILE **06/14/23**

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: ALL

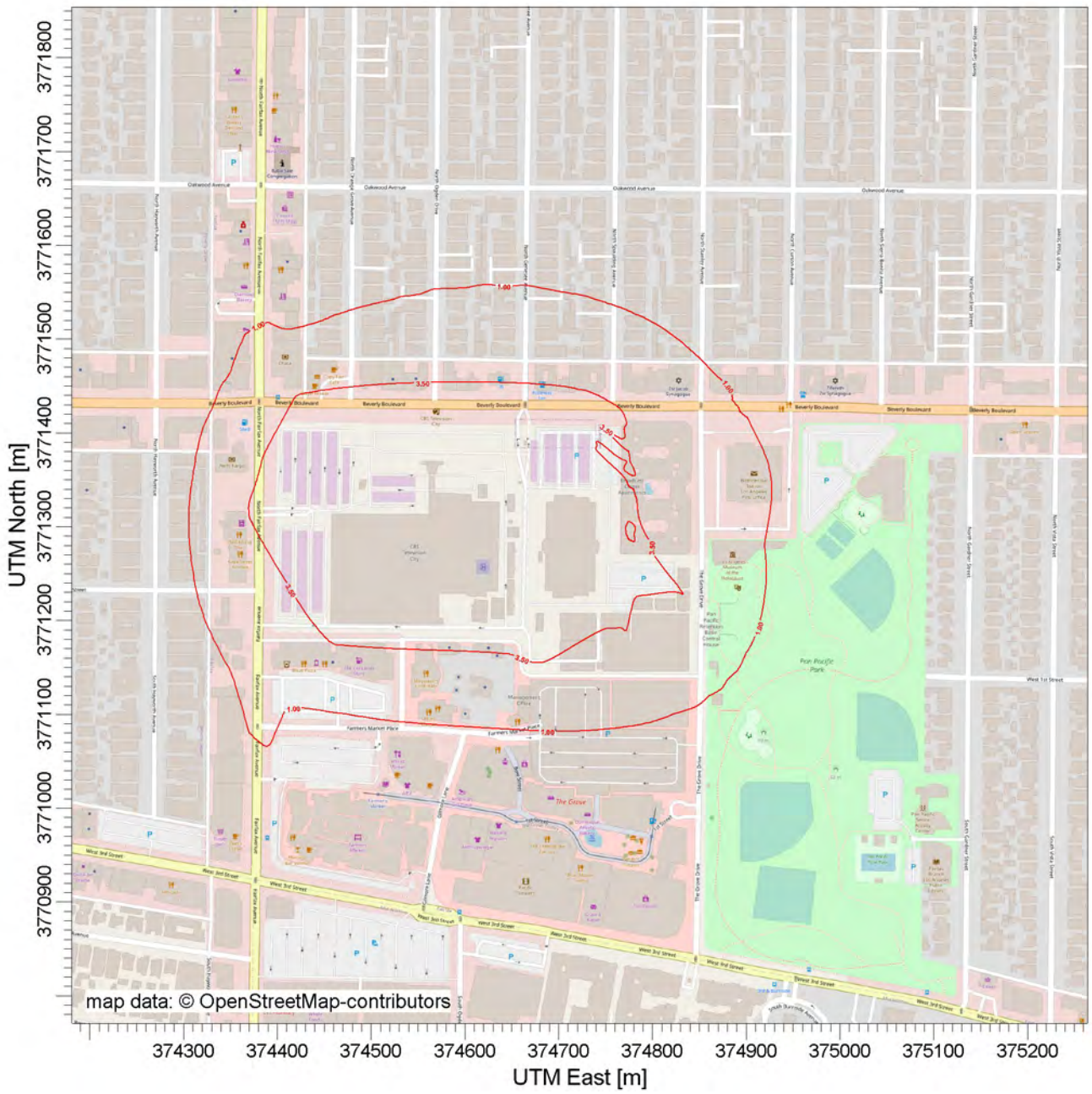


COMMENTS: Existing Operations - Student Exposure	MODELING OPTIONS: **MODELING, OPTIONS, USED:, REGDFAULT, CONC, ELEV, FLGPOL, URBAN, ADJ_U***	COMPANY NAME:	
		MODELER:	
	OUTPUT TYPE: **Concentration** / RECEPTORS: **1752**	SCALE: 1:9,647 0 0.3 km	
	MAX: **3.5679** / UNITS: **ug/m^3**	DATE: **6/16/2023**	PROJECT NO.:

PROJECT TITLE:

HARP GENERATED FILE **06/14/23**

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: ALL

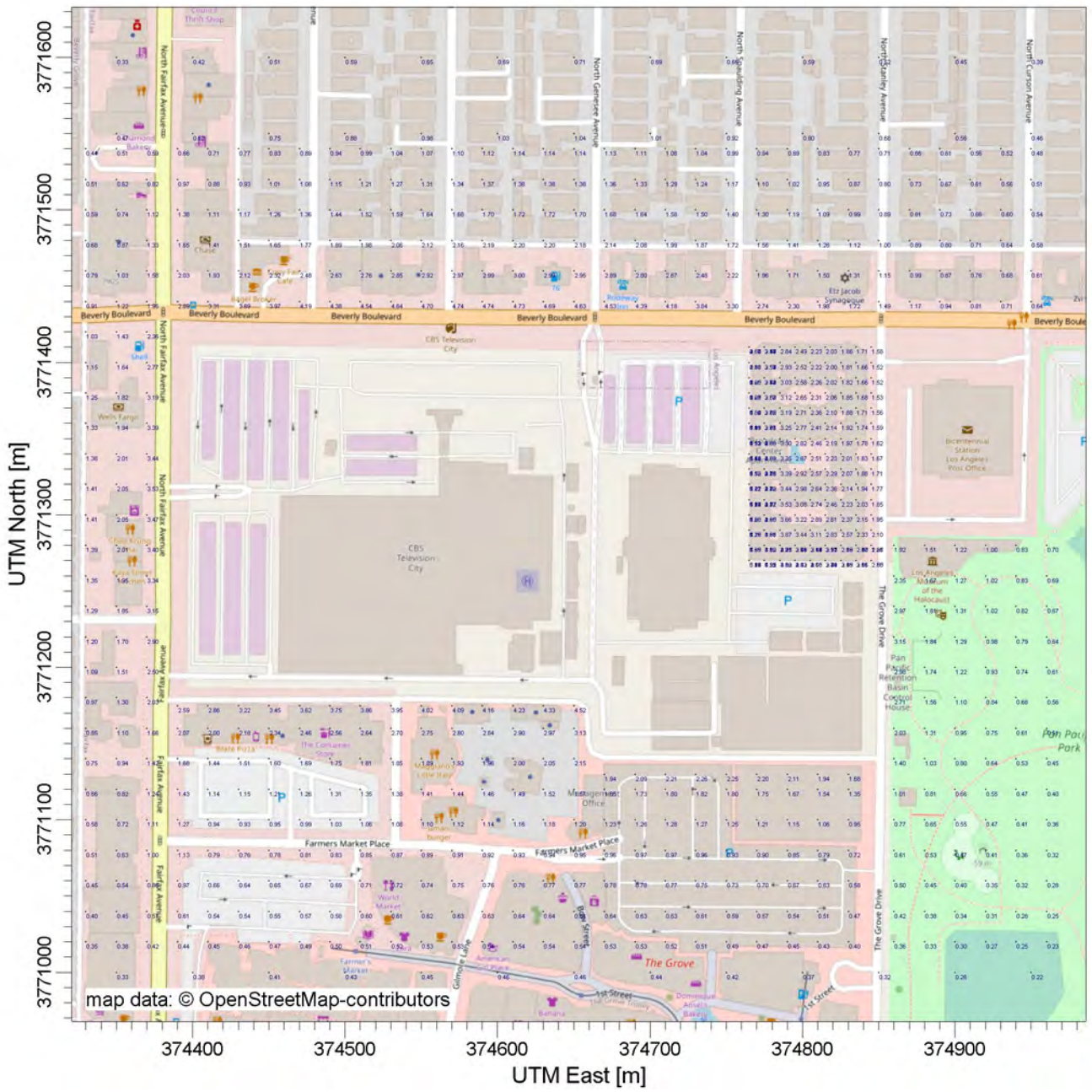


COMMENTS: Project Construction- Residential Exposure (Cancer Risk Per Million)	MODELING OPTIONS: **MODELING, OPTIONS, USED:, REGDFAULT, CONC, ELEV, FLGPOL, URBAN, ADJ_U***		COMPANY NAME:	
			MODELER:	
	OUTPUT TYPE: **Concentration**	RECEPTORS: **1752**	SCALE: 1:6,814 0 0.2 km	
	MAX: **6.2662**	UNITS: **ug/m^3**	DATE: **6/16/2023**	PROJECT NO.:

PROJECT TITLE:

HARP GENERATED FILE **06/14/23**

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: ALL

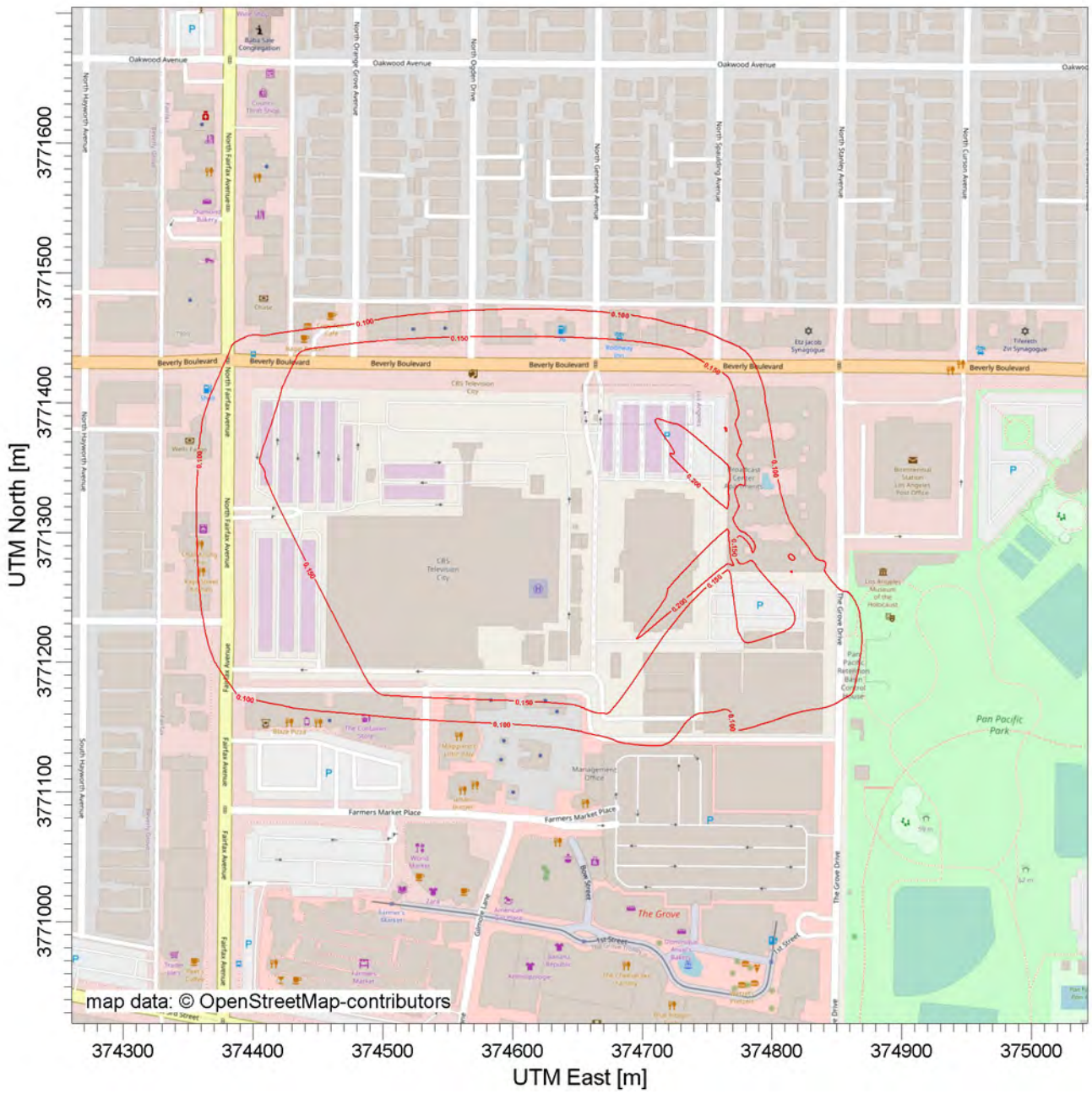


COMMENTS: Project Construction- Residential Exposure (Cancer Risk Per Million) Posting	MODELING OPTIONS: **MODELING, OPTIONS, USED:, REGDFAULT, CONC, ELEV, FLGPOL, URBAN, ADJ_U***		COMPANY NAME:	
			MODELER:	
	OUTPUT TYPE: **Concentration**	RECEPTORS: **1752**	SCALE: 1:4,185 0 0.1 km	
	MAX: **6.2662**	UNITS: **ug/m^3**	DATE: **6/16/2023**	PROJECT NO.:

PROJECT TITLE:

HARP GENERATED FILE **06/14/23**

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: ALL

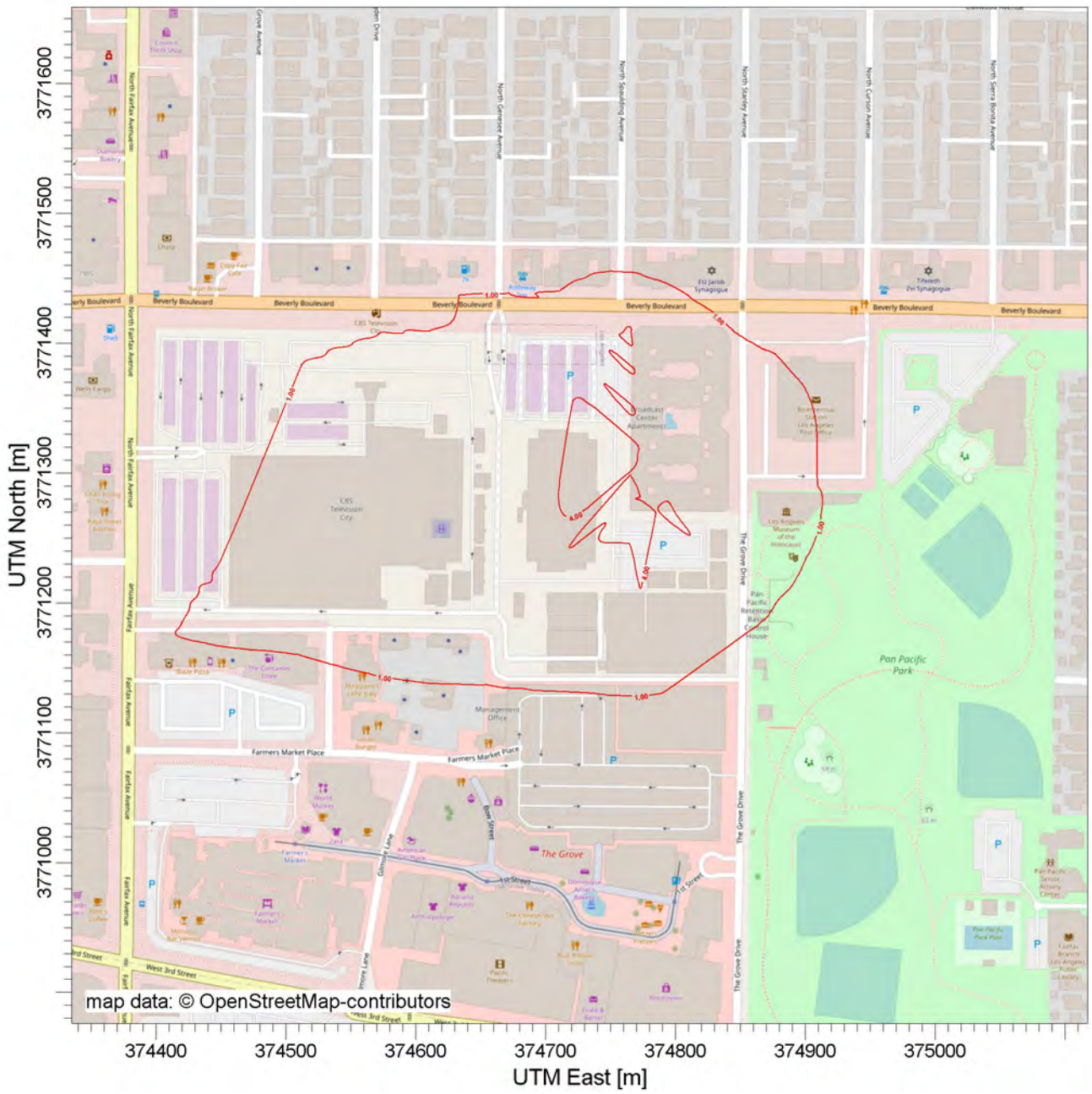


COMMENTS: Project Construction- Worker Exposure (Cancer Risk Per Million)	MODELING OPTIONS: **MODELING, OPTIONS, USED:, REGDFAULT, CONC, ELEV, FLGPOL, URBAN, ADJ_U***		COMPANY NAME:	
			MODELER:	
	OUTPUT TYPE: **Concentration**	RECEPTORS: **1752**	SCALE: 1:4,925 0 0.1 km	
	MAX: **0.24905**	UNITS: **ug/m^3**	DATE: **6/16/2023**	PROJECT NO.:

PROJECT TITLE:

HARP GENERATED FILE **06/14/23**

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: ALL



COMMENTS: Project Operations - Residential Exposure (Cancer Risk Per Million)	MODELING OPTIONS: **MODELING, OPTIONS, USED:, REGDFAULT, CONC, ELEV, FLGPOL, URBAN, ADJ_U***		COMPANY NAME:	
			MODELER:	
	OUTPUT TYPE: **Concentration**	RECEPTORS: **1752**	SCALE: 1:4,922 0 0.1 km	
	MAX: **7.4099502**	UNITS: **ug/m^3**	DATE: **6/16/2023**	PROJECT NO.:

PROJECT TITLE:

HARP GENERATED FILE **06/14/23**

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: ALL

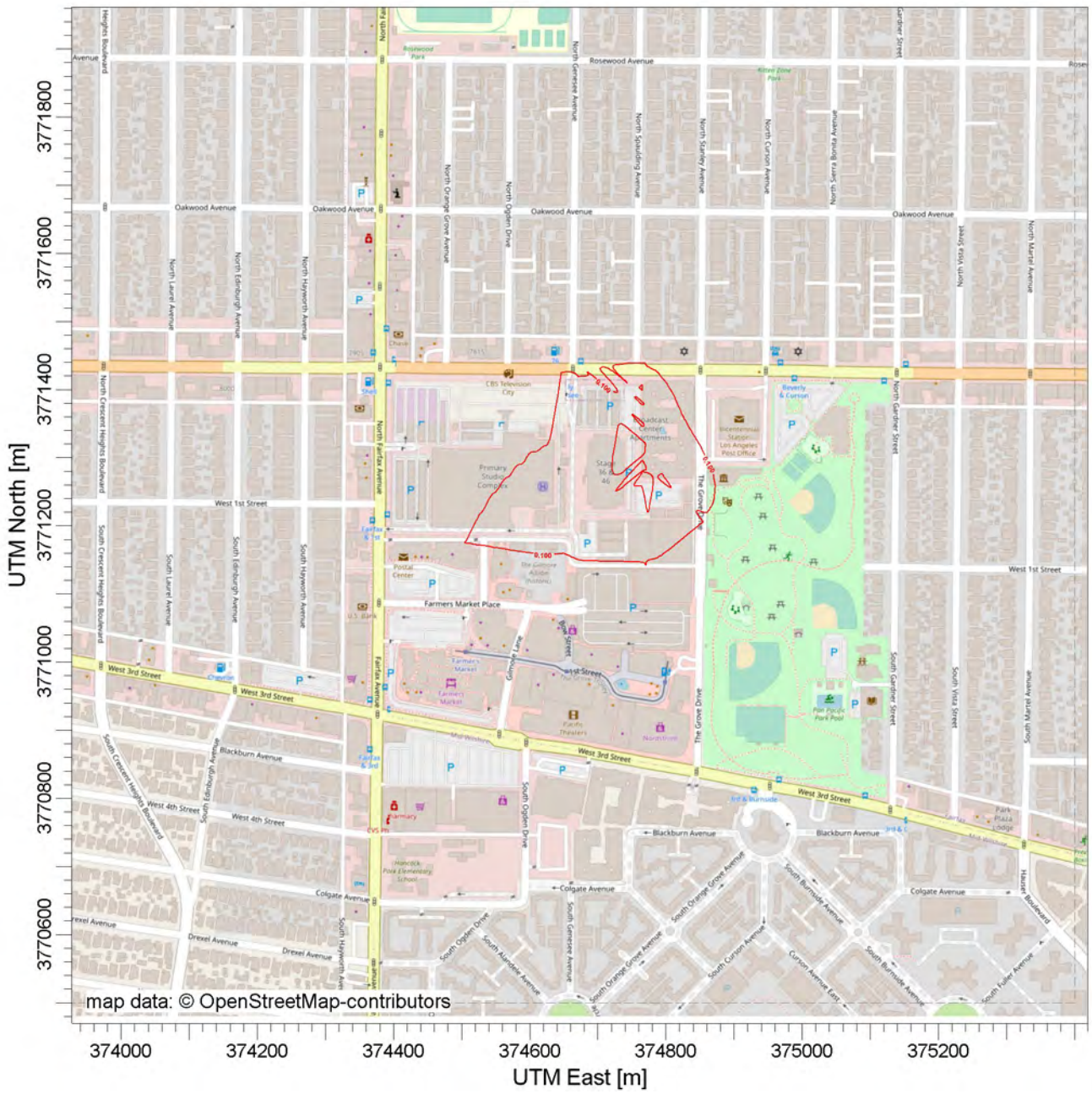


COMMENTS: Project Operations - Residential Exposure (Cancer Risk Per Million)	MODELING OPTIONS: **MODELING, OPTIONS, USED:, REGDFAULT, CONC, ELEV, FLGPOL, URBAN, ADJ_U***		COMPANY NAME:	
			MODELER:	
	OUTPUT TYPE: **Concentration**	RECEPTORS: **1752**	SCALE: 1:4,184 0 0.1 km	
	MAX: **7.4099502**	UNITS: **ug/m^3**	DATE: **6/16/2023**	PROJECT NO.:

PROJECT TITLE:

HARP GENERATED FILE **06/14/23**

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: ALL

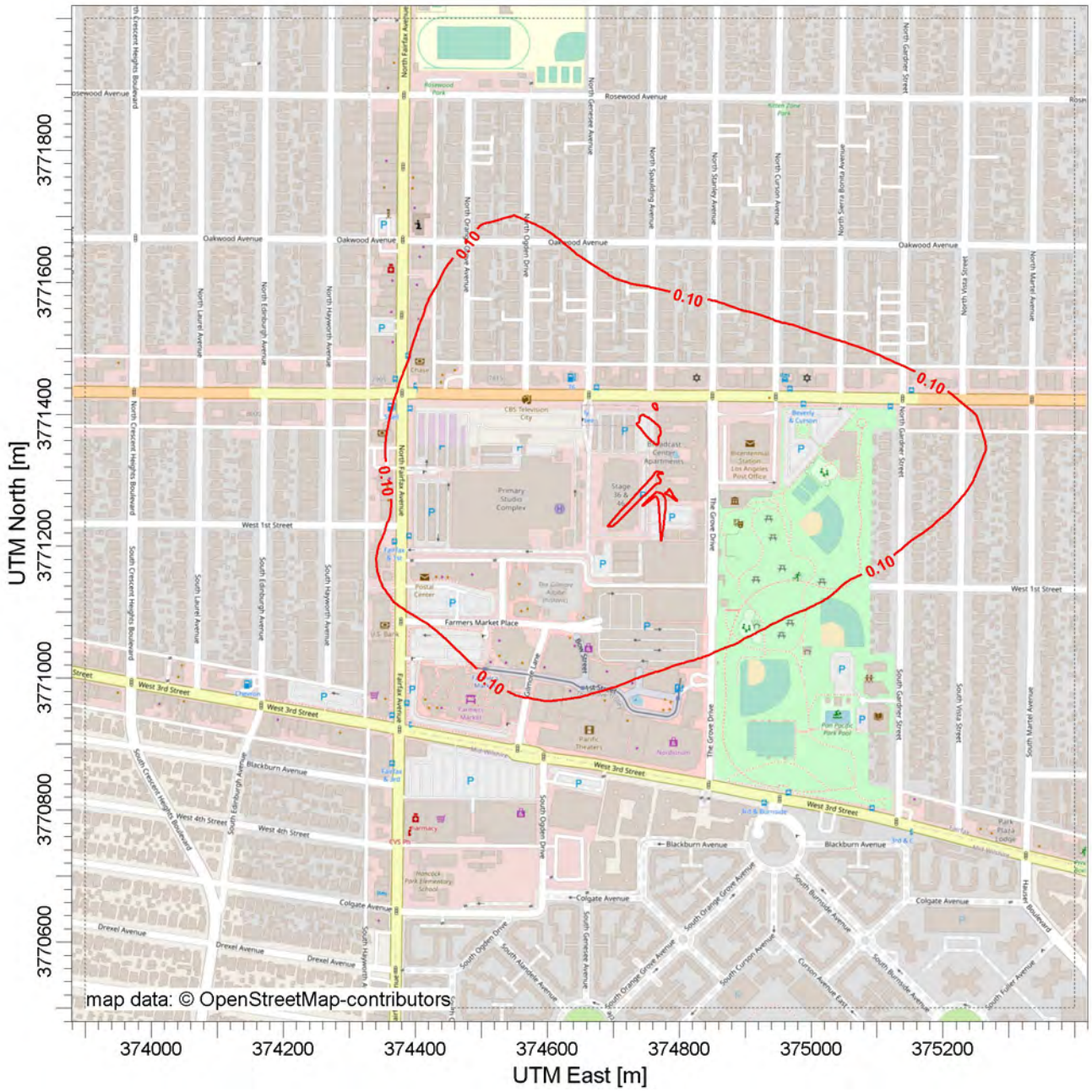


COMMENTS: Project Operations - Worker Exposure (Cancer Risk Per Million)	MODELING OPTIONS: **MODELING, OPTIONS, USED:, REGDFAULT, CONC, ELEV, FLGPOL, URBAN, ADJ_U***		COMPANY NAME:	
			MODELER:	
	OUTPUT TYPE: **Concentration**	RECEPTORS: **1752**	SCALE: 1:9,383 0 0.2 km	
	MAX: **0.51555096**	UNITS: **ug/m^3**	DATE: **6/16/2023**	PROJECT NO.:

PROJECT TITLE:

HARP GENERATED FILE **06/14/23**

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: ALL



COMMENTS:	MODELING OPTIONS:		COMPANY NAME:	
Project Operations - Student Exposure (Cancer Risk Per Million)	**MODELING, OPTIONS, USED:, REGDFAULT, CONC, ELEV, FLGPOL, URBAN, ADJ_U***		MODELER:	
	OUTPUT TYPE: **Concentration**	RECEPTORS: **1752**	SCALE: 1:9,684 0 0.3 km	
	MAX: **2.0955**	UNITS: **ug/m^3**	DATE: **6/16/2023**	PROJECT NO.:

PROJECT TITLE:

HARP GENERATED FILE **06/16/23**

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: ALL



COMMENTS:	MODELING OPTIONS:		COMPANY NAME:	
Project Operations - Residential Exposure - Incremental Increase (Cancer Risk Per Million)	**MODELING, OPTIONS, USED:, REGDFAULT, CONC, ELEV, FLGPOL, URBAN, ADJ_U***		MODELER:	
	OUTPUT TYPE: **Concentration**	RECEPTORS: **1752**	SCALE: 1:7,005 0 0.2 km	
	MAX: **7.49**	UNITS: **ug/m^3**	DATE: **6/16/2023**	PROJECT NO.:

PROJECT TITLE:

HARP GENERATED FILE **06/16/23**

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: ALL

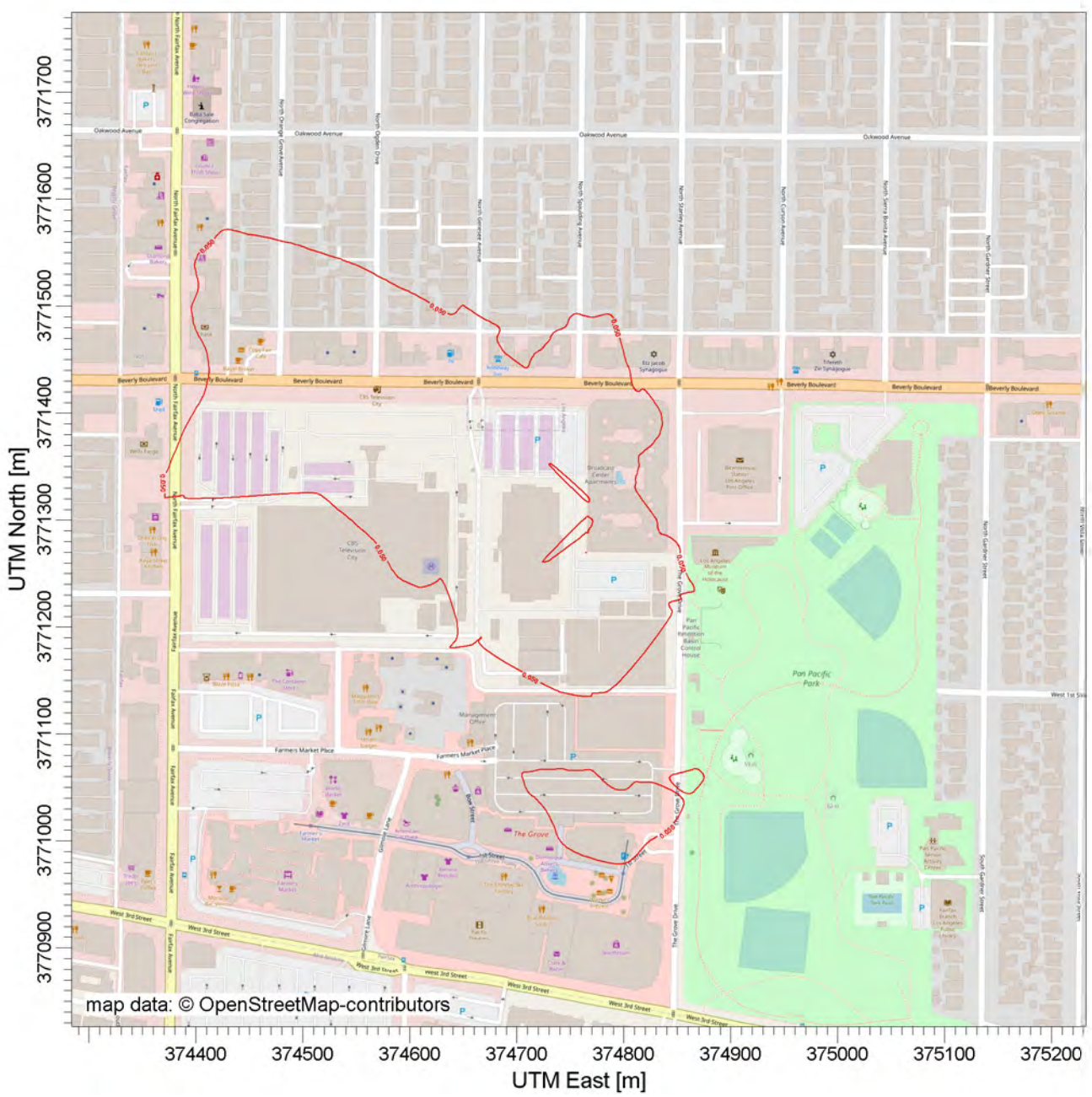


COMMENTS:	MODELING OPTIONS:		COMPANY NAME:	
Project Operations - Residential Exposure - Incremental Increase (Cancer Risk Per Million)	**MODELING, OPTIONS, USED:, REGDFAULT, CONC, ELEV, FLGPOL, URBAN, ADJ_U***		MODELER:	
	OUTPUT TYPE: **Concentration**	RECEPTORS: **1752**	SCALE: 1:5,061 0 0.1 km	
	MAX: **7.49**	UNITS: **ug/m^3**	DATE: **6/16/2023**	PROJECT NO.:

PROJECT TITLE:

HARP GENERATED FILE **06/14/23**

PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL

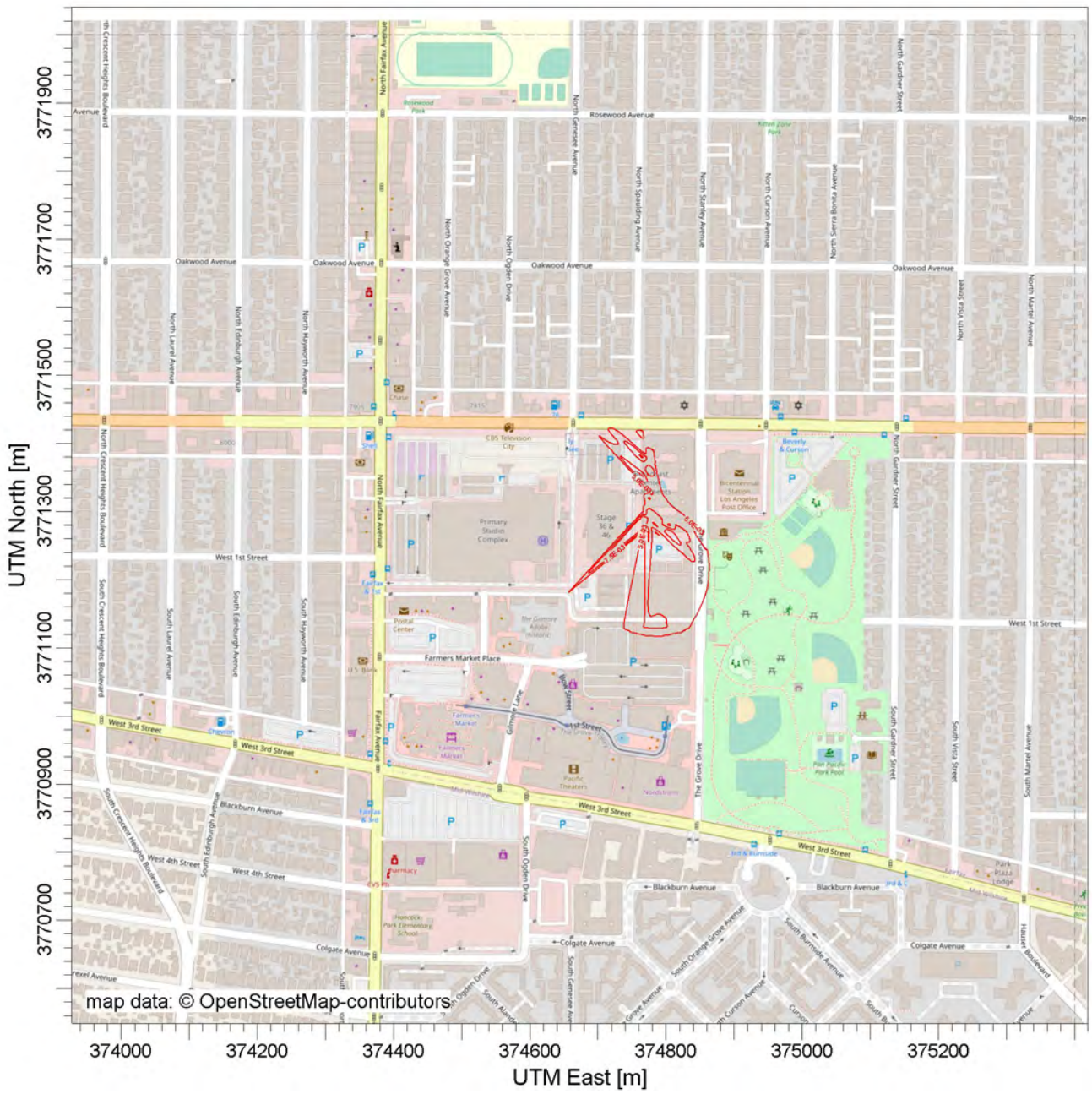


COMMENTS: Project Operations - Acute Risk (Hazard Index)	MODELING OPTIONS: **MODELING, OPTIONS, USED:, REGDFAULT, CONC, ELEV, FLGPOL, URBAN, ADJ_U***		COMPANY NAME:	
			MODELER:	
	OUTPUT TYPE: **Concentration**	RECEPTORS: **1752**	SCALE: 1:5,966 0 0.1 km	
	MAX: **0.31579**	UNITS: **ug/m^3**	DATE: **6/16/2023**	PROJECT NO.:

PROJECT TITLE:

HARP GENERATED FILE **06/14/23**

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: ALL



COMMENTS: Project Operations - Chronic Risk (Hazard Index)	MODELING OPTIONS: **MODELING, OPTIONS, USED:, REGDFAULT, CONC, ELEV, FLGPOL, URBAN, ADJ_U***		COMPANY NAME:	
			MODELER:	
	OUTPUT TYPE: **Concentration**	RECEPTORS: **1752**	SCALE: 1:9,383 0 0.2 km	
	MAX: **0.017395171**	UNITS: **ug/m^3**	DATE: **6/16/2023**	PROJECT NO.:

PROJECT TITLE:

HARP GENERATED FILE **06/16/23**

PLOT FILE OF PERIOD VALUES FOR SOURCE GROUP: ALL



COMMENTS: Population Cancer Risk per Million (70-year Exposure) used for Cancer Burden Calculation	MODELING OPTIONS: **MODELING, OPTIONS, USED:, REGDFAULT, CONC, ELEV, FLGPOL, URBAN, ADJ_U***		COMPANY NAME: MODELER:
	OUTPUT TYPE: **Concentration**	RECEPTORS: **1752**	SCALE: 1:8,369 0 0.2 km
	MAX: **7.74**	UNITS: **ug/m^3**	DATE: **6/23/2023**
			PROJECT NO.:

Appendix L

Uncertainty Analysis



Uncertainty Assessment and Sensitivity Analysis

Evaluating carcinogenic pollutant concentrations based on OEHHA methodology and SCAQMD Guidance has an implied uncertainty. These methodologies were developed to provide a conservative health risk estimate. The conservative nature of this methodology relies on a number of inputs designed to prevent an underestimation of risk. The following discusses the conservative nature of the risk assessment analysis assumptions utilized in this analysis.

The cancer risk from DPM occurs mainly through inhalation. Output from the dispersion analysis was used to estimate the DPM concentrations. The cancer risk estimate is then calculated based on those estimated DPM concentrations using the risk methodology promulgated by OEHHA. The risk assessment guidelines established by SCAQMD and included in the analysis are designed to produce conservative (high) estimates of the risk posed by DPM, due to the following factors:

- As a conservative measure, the SCAQMD does not recognize indoor adjustments for residential and school uses. However, studies have shown that the typical person spends approximately 87 percent of their time indoors, 5 percent of their time outdoors, and 7 percent of their time in vehicles. Elementary school students were shown to spend approximately 20 percent of the school day outdoors with the remaining 80 percent indoors.[1] A DPM exposure assessment showed that an average indoor concentration was 2.0 µg/m^3, compared with an outdoor concentration of 3.0 µg/m^3.[2]

- OEHHA has a toxicity database that lists TACs and their URFs. A URF describes the cancer potency of a particular TAC and is used to estimate cancer risk. Most of these URFs are extrapolated from animal studies based on continuous exposure to a particular toxin. This method can have some significant uncertainties. For example, a chemical that is carcinogenic by one route of exposure is considered to be carcinogenic for all routes of exposure at its maximum potency. Also, it is not realistic for a receptor to be exposed to a continuous concentration of TACs over time. In reality, receptors are exposed

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1 *Office of Health and Hazard Assessment, Guidance for School Site Risk Assessment Pursuant to Health and Safety Code Section 901(f). February 2004.*

2 *South Coast Air Quality Management District (SCAQMD), Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Emissions, 2002.*

to constantly changing concentration levels that would expose receptors to lower levels of TACs over time than analyzed in this analysis.

- The use of the SCAQMD meteorological data set and conservative exposure assumptions (e.g., assumes receptor would be located outside in the same location 24 hours per day for the entire construction duration) amongst others, likely also lead to overestimated risks.

As such, uncertainty in the health risk analysis is conservative in nature and is designed to prevent any undisclosed impacts to human health. Concentrations reported in this report represent a worst-case scenario that is likely an overestimation of actual pollutant concentrations.

Sensitivity Analysis – Alternative Modeling Methods

AERMOD includes options for modeling emissions from line/area, volume, and point sources and can therefore model the impacts of many different source types, including stationary and mobile sources. Each of these source types may be appropriate for representing different sources in a health risk analysis. For example, mobile sources (cars, trucks) may be modeled as a series of adjoining line/area or volume sources in AERMOD. Using another example, an exhaust vent from a bus garage might be represented as a point source, area source, or volume source, depending on its physical characteristics.

The USEPA *Transportation Conformity Guidance for Quantitative Hot-spot Analyses in $PM_{2.5}$ and PM_{10} Nonattainment and Maintenance Areas* (EPA Guidance) provides recommendations on use of AERMOD for mobile sources such as cars and trucks. For vehicles travelling, idling and queuing such as trucks operating on the Project site, the EPA guidance recommends modeling such a source using a series of adjacent volume sources. For certain sources with a fixed location such as exhaust fans in a garage, the EPA guidance recommends use of point sources to account for building downwash.

As discussed above, mobile emissions for the Project site were modeled using a series of volume sources to represent areas in which trucks and other vehicles may travel during Project operations. Although not recommended in the EPA guidance, point sources may be used to represent mobile emissions from truck idling. In order to determine whether modeling truck idling emissions as a point source would be more conservative, a sensitivity analysis was performed for the Project site. As part of the sensitivity analysis, point sources were placed at locations where trucks are likely to travel and idle. A similar volume source was also modeled at the same locations where point sources were placed for comparison purposes.

Dispersion modeling took into account building downwash based on the building locations and heights on the Project site at buildout. Emission rates were set to 1 gram per second as a scaler. Results of this sensitivity analysis demonstrated that concentrations would be higher at the closest sensitive receptors when mobile sources are modeled as a volume source. When modeled as a volume source, maximum period concentrations at the closest sensitive receptor based on a 1 gram per second emission rate was 109 ug/m3 while modeling as a point source would result in 42 ug/m3.

```
 *** AERMOD - VERSION 21112  ***  ***
C:\AERMOD\TVC_HRA1\TVC_HRA1.isc                          ***
05/31/23
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PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN
ADJ_U*

                              ***     MODEL SETUP OPTIONS SUMMARY
***
 ----------------------------------------------------------
----------

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for   123
Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   9818605.0 ;  Urban Roughness Length =  1.000
m

 **Model Uses Regulatory DEFAULT Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Urban Roughness Length of 1.0 Meter Assumed.

 **Other Options Specified:
        ADJ_U*   - Use ADJ_U* option for SBL in AERMET
        TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Accepts FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  DPM

 **Model Calculates  1 Short Term Average(s) of:   1-HR
    and Calculates PERIOD Averages

 **This Run Includes:    123 Source(s);      19 Source Group(s); and
1752 Receptor(s)

              with:     13 POINT(s), including
                      0 POINTCAP(s) and      0 POINTHOR(s)
               and:    110 VOLUME source(s)
               and:      0 AREA type source(s)
               and:      0 LINE source(s)
               and:      0 RLINE/RLINEXT source(s)
               and:      0 OPENPIT source(s)
               and:      0 BUOYANT LINE source(s) with a total of     0 line(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  16216

 **Output Options Selected:
        Model Outputs Tables of PERIOD Averages by Receptor
        Model Outputs Tables of Highest Short Term Values by Receptor
(RECTABLE Keyword)
        Model Outputs External File(s) of High Values for Plotting
(PLOTFILE Keyword)
        Model Outputs Separate Summary File of High Ranked Values
(SUMMFILE Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c
for Calm Hours
                                                 m for Missing Hours
                                                 b for Both Calm and Missing
Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =    55.00 ;
Decay Coef. =    0.000     ;  Rot. Angle =     0.0
              Emission Units = GRAMS/SEC                         ;
Emission Rate Unit Factor =   0.10000E+07
              Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      5.3 MB of RAM.

 **Input Runstream File:          aermod.inp
 **Output Print File:             aermod.out

 **Detailed Error/Message File:   TVC_Sens02.err
 **File for Summary of Results:   TVC_Sens02.sum
 *** AERMOD - VERSION 21112  ***  ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN
ADJ_U*

                              *** METEOROLOGICAL DAYS SELECTED
FOR PROCESSING ***
                                    (1=YES; 0=NO)

      1111111111 1111111111 1111111111 111
1111111 1111111111
      1111111111 1111111111 1111111111 111
1111111 1111111111
      1111111111 1111111111 1111111111 111
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      1111111111 1111111111 1111111111 111
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      1111111111 1111111111 1111111111 111
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      1111111111 1111111111 1111111111 111
1111111 1111111111
      1111111111 11111

           NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED
WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.



                          *** UPPER BOUND OF FIRST THROUGH FIFTH
WIND SPEED CATEGORIES ***
                                    (METERS/SEC)

                                 1.54,   3.09,   5.14,   8.23,  10.80,
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: Met\CELA_v9.SFC
Met Version: 16216
Profile file: Met\CELA_v9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 93134 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2010 Year: 2010

First 24 hours of scalar data
YR MO DY JDY HR H0 U* W* DT/DZ ZICNV ZIMCH M-O LEN Z0 BOWEN ALBEDO REF WS WD HT REF TA HT

10	01	01	1	01	-33.0	0.331	-9.000	-9.000	-999.	456.	120.2	0.56	0.86	1.00	3.10	38.	21.3	284.9	17.7
10	01	01	1	02	-26.9	0.285	-9.000	-9.000	-999.	367.	89.6	0.56	0.86	1.00	2.70	38.	21.3	284.2	17.7
10	01	01	1	03	-38.6	0.387	-9.000	-9.000	-999.	577.	164.6	0.56	0.86	1.00	3.60	35.	21.3	284.2	17.7
10	01	01	1	04	-33.0	0.331	-9.000	-9.000	-999.	458.	120.2	0.56	0.86	1.00	3.10	34.	21.3	283.8	17.7
10	01	01	1	05	-33.1	0.331	-9.000	-9.000	-999.	456.	120.2	0.56	0.86	1.00	3.10	37.	21.3	283.1	17.7
10	01	01	1	06	-38.7	0.387	-9.000	-9.000	-999.	577.	164.5	0.56	0.86	1.00	3.60	24.	21.3	283.1	17.7
10	01	01	1	07	-38.6	0.387	-9.000	-9.000	-999.	577.	164.5	0.56	0.86	1.00	3.60	35.	21.3	283.8	17.7
10	01	01	1	08	-29.6	0.435	-9.000	-9.000	-999.	688.	251.8	0.56	0.86	0.55	4.00	35.	21.3	283.8	17.7
10	01	01	1	09	30.0	0.426	0.367	0.008	59.	666.	-232.0	0.56	0.86	0.32	3.60	38.	21.3	286.4	17.7
10	01	01	1	10	72.3	0.359	0.629	0.008	124.	519.	-57.8	0.56	0.86	0.24	2.70	34.	21.3	290.4	17.7
10	01	01	1	11	104.4	0.321	0.998	0.008	344.	437.	-28.6	0.56	0.86	0.21	2.20	43.	21.3	292.5	17.7
10	01	01	1	12	115.1	0.283	1.156	0.008	484.	363.	-17.9	0.56	0.86	0.20	1.80	62.	21.3	295.9	17.7
10	01	01	1	13	91.4	0.406	1.130	0.008	568.	622.	-66.2	0.56	0.86	0.20	3.10	263.	21.3	294.2	17.7
10	01	01	1	14	89.3	0.316	1.168	0.008	642.	432.	-31.9	0.56	0.86	0.21	2.20	259.	21.3	294.9	17.7
10	01	01	1	15	42.6	0.295	0.928	0.008	675.	384.	-54.0	0.56	0.86	0.25	2.20	267.	21.3	294.9	17.7
10	01	01	1	16	12.0	0.359	0.609	0.008	680.	516.	-347.9	0.56	0.86	0.33	3.10	264.	21.3	292.5	17.7
10	01	01	1	17	-15.7	0.231	-9.000	-9.000	-999.	276.	70.7	0.56	0.86	0.60	2.20	288.	21.3	290.9	17.7
10	01	01	1	18	-6.1	0.135	-9.000	-9.000	-999.	124.	36.7	0.56	0.86	1.00	1.30	344.	21.3	289.2	17.7
10	01	01	1	19	-11.4	0.184	-9.000	-9.000	-999.	190.	49.2	0.56	0.86	1.00	1.80	2.	21.3	288.8	17.7
10	01	01	1	20	-17.4	0.229	-9.000	-9.000	-999.	263.	62.1	0.56	0.86	1.00	2.20	22.	21.3	288.1	17.7
10	01	01	1	21	-17.4	0.229	-9.000	-9.000	-999.	263.	61.9	0.56	0.86	1.00	2.20	40.	21.3	287.0	17.7
10	01	01	1	22	-11.5	0.184	-9.000	-9.000	-999.	190.	49.1	0.56	0.86	1.00	1.80	306.	21.3	287.0	17.7
10	01	01	1	23	-11.5	0.184	-9.000	-9.000	-999.	190.	49.0	0.56	0.86	1.00	1.80	45.	21.3	286.4	17.7
10	01	01	1	24	-11.5	0.184	-9.000	-9.000	-999.	190.	49.0	0.56	0.86	1.00	1.80	67.	21.3	286.4	17.7

First hour of profile data
YR MO DY HR HEIGHT F WDIR WSPD AMB_TMP sigmaA sigmaW sigmaV

10	01	01	01	17.7	0	-999.	-99.00	284.9	99.0	-99.00	-99.00
10	01	01	01	21.3	1	38.	3.10	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

NETWORK
GROUP ID AVERAGE CONC RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID

BIGBLUE 1ST HIGHEST VALUE IS 8.31915 AT (374765.00, 3771270.00, 61.42, 61.42, 0.00) DC
2ND HIGHEST VALUE IS 8.27219 AT (374765.00, 3771280.00, 61.56, 61.56, 0.00) DC
3RD HIGHEST VALUE IS 8.10802 AT (374765.00, 3771290.00, 61.64, 61.64, 0.00) DC
4TH HIGHEST VALUE IS 8.01474 AT (374765.00, 3771270.00, 61.42, 61.42, 6.10) DC
5TH HIGHEST VALUE IS 7.96174 AT (374765.00, 3771280.00, 61.56, 61.56, 6.10) DC
6TH HIGHEST VALUE IS 7.86764 AT (374775.00, 3771270.00, 61.69, 61.69, 0.00) DC
7TH HIGHEST VALUE IS 7.84616 AT (374765.00, 3771300.00, 61.55, 61.55, 0.00) DC
8TH HIGHEST VALUE IS 7.80621 AT (374765.00, 3771290.00, 61.64, 61.64, 6.10) DC
9TH HIGHEST VALUE IS 7.79527 AT (374775.00, 3771280.00, 61.97, 61.97, 0.00) DC
10TH HIGHEST VALUE IS 7.66511 AT (374775.00, 3771290.00, 62.14, 62.14, 0.00) DC

EGEN1 1ST HIGHEST VALUE IS 19.40622 AT (374765.00, 3771390.00, 61.67, 61.67, 12.20) DC
2ND HIGHEST VALUE IS 15.26865 AT (374765.00, 3771400.00, 61.75, 61.75, 12.20) DC
3RD HIGHEST VALUE IS 12.03622 AT (374765.00, 3771380.00, 61.59, 61.59, 12.20) DC
4TH HIGHEST VALUE IS 10.10457 AT (374765.00, 3771390.00, 61.67, 61.67, 6.10) DC
5TH HIGHEST VALUE IS 8.56519 AT (374765.00, 3771410.00, 61.83, 61.83, 12.20) DC
6TH HIGHEST VALUE IS 7.93656 AT (374765.00, 3771400.00, 61.75, 61.75, 6.10) DC
7TH HIGHEST VALUE IS 7.67264 AT (374775.00, 3771390.00, 61.86, 61.86, 12.20) DC
8TH HIGHEST VALUE IS 7.38882 AT (374775.00, 3771400.00, 61.87, 61.87, 12.20) DC

9TH HIGHEST VALUE IS 6.39978 AT (374765.00, 3771380.00, 61.59, 61.59, 6.10) DC
10TH HIGHEST VALUE IS 5.61148 AT (374775.00, 3771380.00, 61.86, 61.86, 12.20) DC

EGEN2 1ST HIGHEST VALUE IS 16.02259 AT (374765.00, 3771350.00, 61.32, 61.32, 12.20) DC
2ND HIGHEST VALUE IS 15.08590 AT (374765.00, 3771340.00, 61.34, 61.34, 12.20) DC
3RD HIGHEST VALUE IS 10.33873 AT (374765.00, 3771360.00, 61.41, 61.41, 12.20) DC
4TH HIGHEST VALUE IS 7.69714 AT (374765.00, 3771330.00, 61.36, 61.36, 12.20) DC
5TH HIGHEST VALUE IS 7.56644 AT (374765.00, 3771350.00, 61.32, 61.32, 6.10) DC
6TH HIGHEST VALUE IS 7.49431 AT (374765.00, 3771340.00, 61.34, 61.34, 6.10) DC
7TH HIGHEST VALUE IS 6.22243 AT (374775.00, 3771350.00, 61.78, 61.78, 12.20) DC
8TH HIGHEST VALUE IS 5.95831 AT (374765.00, 3771370.00, 61.50, 61.50, 12.20) DC
9TH HIGHEST VALUE IS 5.80883 AT (374775.00, 3771340.00, 61.78, 61.78, 12.20) DC
10TH HIGHEST VALUE IS 5.41507 AT (374775.00, 3771360.00, 61.80, 61.80, 12.20) DC

EGEN3 1ST HIGHEST VALUE IS 16.60521 AT (374765.00, 3771300.00, 61.55, 61.55, 12.20) DC
2ND HIGHEST VALUE IS 13.43270 AT (374765.00, 3771290.00, 61.64, 61.64, 12.20) DC
3RD HIGHEST VALUE IS 12.09846 AT (374765.00, 3771310.00, 61.46, 61.46, 12.20) DC
4TH HIGHEST VALUE IS 7.59285 AT (374765.00, 3771300.00, 61.55, 61.55, 6.10) DC
5TH HIGHEST VALUE IS 6.78190 AT (374765.00, 3771320.00, 61.38, 61.38, 12.20) DC
6TH HIGHEST VALUE IS 6.74508 AT (374765.00, 3771290.00, 61.64, 61.64, 6.10) DC
7TH HIGHEST VALUE IS 6.11620 AT (374775.00, 3771300.00, 62.02, 62.02, 12.20) DC
8TH HIGHEST VALUE IS 6.04932 AT (374765.00, 3771280.00, 61.56, 61.56, 12.20) DC
9TH HIGHEST VALUE IS 5.71660 AT (374765.00, 3771310.00, 61.46, 61.46, 6.10) DC
10TH HIGHEST VALUE IS 5.54701 AT (374775.00, 3771310.00, 61.90, 61.90, 12.20) DC
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

NETWORK
GROUP ID AVERAGE CONC RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID

EGEN4 1ST HIGHEST VALUE IS 40.00079 AT (374750.00, 3771130.00, 60.30, 60.30, 0.00) DC
2ND HIGHEST VALUE IS 39.97444 AT (374730.00, 3771130.00, 59.90, 59.90, 0.00) DC
3RD HIGHEST VALUE IS 38.66313 AT (374730.00, 3771120.00, 60.05, 60.05, 0.00) DC
4TH HIGHEST VALUE IS 37.83159 AT (374750.00, 3771120.00, 60.39, 60.39, 0.00) DC
5TH HIGHEST VALUE IS 36.73022 AT (374710.00, 3771130.00, 59.28, 59.28, 0.00) DC
6TH HIGHEST VALUE IS 36.57123 AT (374670.00, 3771060.00, 58.39, 58.39, 0.00) DC
7TH HIGHEST VALUE IS 36.42741 AT (374770.00, 3771130.00, 60.38, 60.38, 0.00) DC
8TH HIGHEST VALUE IS 36.41583 AT (374710.00, 3771120.00, 59.12, 59.12, 0.00) DC
9TH HIGHEST VALUE IS 35.07200 AT (374710.00, 3771100.00, 58.85, 58.85, 0.00) DC
10TH HIGHEST VALUE IS 35.01406 AT (374650.00, 3771080.00, 58.50, 58.50, 0.00) DC

EGEN5 1ST HIGHEST VALUE IS 29.83301 AT (374860.00, 3771200.00, 60.33, 60.33, 0.00) DC
2ND HIGHEST VALUE IS 29.06220 AT (374860.00, 3771180.00, 60.21, 60.21, 0.00) DC
3RD HIGHEST VALUE IS 28.96103 AT (374770.00, 3771130.00, 60.38, 60.38, 0.00) DC
4TH HIGHEST VALUE IS 28.92885 AT (374750.00, 3771130.00, 60.30, 60.30, 0.00) DC
5TH HIGHEST VALUE IS 28.43371 AT (374900.00, 3771220.00, 56.43, 60.93, 0.00) DC
6TH HIGHEST VALUE IS 27.56823 AT (374900.00, 3771240.00, 58.04, 60.33, 0.00) DC
7TH HIGHEST VALUE IS 27.54112 AT (374880.00, 3771220.00, 58.25, 60.93, 0.00) DC
8TH HIGHEST VALUE IS 27.48724 AT (374860.00, 3771240.00, 60.98, 60.98, 0.00) DC
9TH HIGHEST VALUE IS 27.18787 AT (374790.00, 3771130.00, 60.43, 60.43, 0.00) DC
10TH HIGHEST VALUE IS 27.12003 AT (374750.00, 3771120.00, 60.39, 60.39, 0.00) DC

EGEN6 1ST HIGHEST VALUE IS 26.64643 AT (374765.00, 3771370.00, 61.50, 61.50, 12.20) DC
2ND HIGHEST VALUE IS 22.52443 AT (374765.00, 3771370.00, 61.50, 61.50, 6.10) DC
3RD HIGHEST VALUE IS 16.52229 AT (374765.00, 3771380.00, 61.59, 61.59, 12.20) DC
4TH HIGHEST VALUE IS 12.23146 AT (374765.00, 3771360.00, 61.41, 61.41, 12.20) DC
5TH HIGHEST VALUE IS 11.93690 AT (374765.00, 3771380.00, 61.59, 61.59, 6.10) DC
6TH HIGHEST VALUE IS 11.32688 AT (374775.00, 3771380.00, 61.86, 61.86, 12.20) DC
7TH HIGHEST VALUE IS 11.17257 AT (374775.00, 3771370.00, 61.83, 61.83, 12.20) DC
8TH HIGHEST VALUE IS 10.65208 AT (374775.00, 3771380.00, 61.86, 61.86, 6.10) DC
9TH HIGHEST VALUE IS 10.19449 AT (374775.00, 3771370.00, 61.83, 61.83, 6.10) DC
10TH HIGHEST VALUE IS 8.58463 AT (374775.00, 3771380.00, 61.86, 61.86, 0.00) DC

EGEN7 1ST HIGHEST VALUE IS 16.62731 AT (374765.00, 3771320.00, 61.38, 61.38, 12.20) DC
2ND HIGHEST VALUE IS 13.74733 AT (374765.00, 3771330.00, 61.36, 61.36, 12.20) DC
3RD HIGHEST VALUE IS 11.32177 AT (374765.00, 3771310.00, 61.46, 61.46, 12.20) DC

4TH HIGHEST VALUE IS 8.09633 AT (374765.00, 3771340.00, 61.34, 61.34, 12.20) DC
5TH HIGHEST VALUE IS 7.69517 AT (374765.00, 3771320.00, 61.38, 61.38, 6.10) DC
6TH HIGHEST VALUE IS 6.49998 AT (374765.00, 3771330.00, 61.36, 61.36, 6.10) DC
7TH HIGHEST VALUE IS 6.44722 AT (374775.00, 3771320.00, 61.80, 61.80, 12.20) DC
8TH HIGHEST VALUE IS 5.94133 AT (374775.00, 3771330.00, 61.79, 61.79, 12.20) DC
9TH HIGHEST VALUE IS 5.66247 AT (374765.00, 3771310.00, 61.46, 61.46, 6.10) DC
10TH HIGHEST VALUE IS 5.48969 AT (374765.00, 3771300.00, 61.55, 61.55, 12.20) DC

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

NETWORK
GROUP ID AVERAGE CONC RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID

DPM 1ST HIGHEST VALUE IS 74.23914 AT (374750.00, 3771130.00, 60.30, 60.30, 0.00) DC
2ND HIGHEST VALUE IS 72.50273 AT (374730.00, 3771130.00, 59.90, 59.90, 0.00) DC
3RD HIGHEST VALUE IS 70.49785 AT (374770.00, 3771130.00, 60.38, 60.38, 0.00) DC
4TH HIGHEST VALUE IS 70.06319 AT (374730.00, 3771120.00, 60.05, 60.05, 0.00) DC
5TH HIGHEST VALUE IS 69.92619 AT (374750.00, 3771120.00, 60.39, 60.39, 0.00) DC
6TH HIGHEST VALUE IS 66.50973 AT (374710.00, 3771130.00, 59.28, 59.28, 0.00) DC
7TH HIGHEST VALUE IS 65.95472 AT (374710.00, 3771120.00, 59.12, 59.12, 0.00) DC
8TH HIGHEST VALUE IS 65.45276 AT (374770.00, 3771120.00, 60.45, 60.45, 0.00) DC
9TH HIGHEST VALUE IS 64.85345 AT (374670.00, 3771060.00, 58.39, 58.39, 0.00) DC
10TH HIGHEST VALUE IS 64.08694 AT (374730.00, 3771100.00, 60.24, 60.24, 0.00) DC

BIGBLUE2 1ST HIGHEST VALUE IS 21.48460 AT (374765.00, 3771410.00, 61.83, 61.83, 0.00) DC
2ND HIGHEST VALUE IS 21.02964 AT (374765.00, 3771400.00, 61.75, 61.75, 0.00) DC
3RD HIGHEST VALUE IS 19.76363 AT (374775.00, 3771410.00, 61.88, 61.88, 0.00) DC
4TH HIGHEST VALUE IS 19.55207 AT (374765.00, 3771410.00, 61.83, 61.83, 6.10) DC
5TH HIGHEST VALUE IS 19.48796 AT (374765.00, 3771390.00, 61.67, 61.67, 0.00) DC
6TH HIGHEST VALUE IS 19.28217 AT (374765.00, 3771370.00, 61.50, 61.50, 0.00) DC
7TH HIGHEST VALUE IS 19.26804 AT (374785.00, 3771410.00, 61.92, 61.92, 0.00) DC
8TH HIGHEST VALUE IS 19.20087 AT (374765.00, 3771400.00, 61.75, 61.75, 6.10) DC
9TH HIGHEST VALUE IS 18.96129 AT (374775.00, 3771400.00, 61.87, 61.87, 0.00) DC
10TH HIGHEST VALUE IS 18.88375 AT (374765.00, 3771380.00, 61.59, 61.59, 0.00) DC

BIGBLUE3 1ST HIGHEST VALUE IS 15.23907 AT (374765.00, 3771270.00, 61.42, 61.42, 12.20) DC
2ND HIGHEST VALUE IS 13.84275 AT (374775.00, 3771270.00, 61.69, 61.69, 12.20) DC
3RD HIGHEST VALUE IS 13.45340 AT (374765.00, 3771280.00, 61.56, 61.56, 12.20) DC
4TH HIGHEST VALUE IS 13.25063 AT (374775.00, 3771280.00, 61.97, 61.97, 12.20) DC
5TH HIGHEST VALUE IS 13.12725 AT (374785.00, 3771280.00, 62.27, 62.27, 12.20) DC
6TH HIGHEST VALUE IS 13.00142 AT (374785.00, 3771270.00, 61.91, 61.91, 12.20) DC
7TH HIGHEST VALUE IS 12.23856 AT (374795.00, 3771280.00, 62.33, 62.33, 12.20) DC
8TH HIGHEST VALUE IS 12.20254 AT (374795.00, 3771270.00, 61.98, 61.98, 12.20) DC
9TH HIGHEST VALUE IS 12.12479 AT (374765.00, 3771270.00, 61.42, 61.42, 6.10) DC
10TH HIGHEST VALUE IS 11.95284 AT (374785.00, 3771280.00, 62.27, 62.27, 6.10) DC

BIGBLUE4 1ST HIGHEST VALUE IS 86.90763 AT (374765.00, 3771340.00, 61.34, 61.34, 12.20) DC
2ND HIGHEST VALUE IS 80.29785 AT (374765.00, 3771330.00, 61.36, 61.36, 12.20) DC
3RD HIGHEST VALUE IS 44.30178 AT (374765.00, 3771350.00, 61.32, 61.32, 12.20) DC
4TH HIGHEST VALUE IS 33.62597 AT (374765.00, 3771320.00, 61.38, 61.38, 12.20) DC
5TH HIGHEST VALUE IS 29.38482 AT (374775.00, 3771340.00, 61.78, 61.78, 12.20) DC
6TH HIGHEST VALUE IS 26.14892 AT (374775.00, 3771330.00, 61.79, 61.79, 12.20) DC
7TH HIGHEST VALUE IS 24.40784 AT (374775.00, 3771350.00, 61.78, 61.78, 12.20) DC
8TH HIGHEST VALUE IS 23.89474 AT (374765.00, 3771360.00, 61.41, 61.41, 12.20) DC
9TH HIGHEST VALUE IS 18.03010 AT (374775.00, 3771360.00, 61.80, 61.80, 12.20) DC
10TH HIGHEST VALUE IS 17.22700 AT (374775.00, 3771320.00, 61.80, 61.80, 12.20) DC

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

NETWORK
GROUP ID AVERAGE CONC RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID
- -

BLUEVOL2 1ST HIGHEST VALUE IS 70.01945 AT (374670.00, 3771440.00, 61.30, 61.30, 0.00) DC
2ND HIGHEST VALUE IS 69.37497 AT (374650.00, 3771440.00, 61.10, 61.10, 0.00) DC
3RD HIGHEST VALUE IS 66.20798 AT (374690.00, 3771440.00, 61.45, 61.45, 0.00) DC
4TH HIGHEST VALUE IS 64.99538 AT (374765.00, 3771350.00, 61.32, 61.32, 0.00) DC
5TH HIGHEST VALUE IS 64.43441 AT (374765.00, 3771360.00, 61.41, 61.41, 0.00) DC
6TH HIGHEST VALUE IS 64.37891 AT (374765.00, 3771340.00, 61.34, 61.34, 0.00) DC
7TH HIGHEST VALUE IS 64.16878 AT (374630.00, 3771440.00, 60.93, 60.93, 0.00) DC
8TH HIGHEST VALUE IS 62.83715 AT (374765.00, 3771370.00, 61.50, 61.50, 0.00) DC
9TH HIGHEST VALUE IS 62.68554 AT (374765.00, 3771330.00, 61.36, 61.36, 0.00) DC
10TH HIGHEST VALUE IS 60.35821 AT (374765.00, 3771380.00, 61.59, 61.59, 0.00) DC

BLUEVOL3 1ST HIGHEST VALUE IS 98.86675 AT (374765.00, 3771270.00, 61.42, 61.42, 0.00) DC
2ND HIGHEST VALUE IS 97.55362 AT (374650.00, 3771175.00, 58.93, 58.93, 0.00) DC
3RD HIGHEST VALUE IS 91.62048 AT (374765.00, 3771280.00, 61.56, 61.56, 0.00) DC
4TH HIGHEST VALUE IS 88.62211 AT (374765.00, 3771270.00, 61.42, 61.42, 6.10) DC
5TH HIGHEST VALUE IS 83.51221 AT (374765.00, 3771290.00, 61.64, 61.64, 0.00) DC
6TH HIGHEST VALUE IS 82.33807 AT (374775.00, 3771270.00, 61.69, 61.69, 0.00) DC
7TH HIGHEST VALUE IS 82.21252 AT (374765.00, 3771280.00, 61.56, 61.56, 6.10) DC
8TH HIGHEST VALUE IS 77.49173 AT (374630.00, 3771175.00, 59.08, 59.08, 0.00) DC
9TH HIGHEST VALUE IS 77.40453 AT (374775.00, 3771280.00, 61.97, 61.97, 0.00) DC
10TH HIGHEST VALUE IS 75.33335 AT (374765.00, 3771300.00, 61.55, 61.55, 0.00) DC

BLUEVOL4 1ST HIGHEST VALUE IS 871.86388 AT (374765.00, 3771330.00, 61.36, 61.36, 0.00) DC
2ND HIGHEST VALUE IS 860.45539 AT (374765.00, 3771340.00, 61.34, 61.34, 0.00) DC
3RD HIGHEST VALUE IS 652.74884 AT (374765.00, 3771320.00, 61.38, 61.38, 0.00) DC
4TH HIGHEST VALUE IS 639.65433 AT (374765.00, 3771350.00, 61.32, 61.32, 0.00) DC
5TH HIGHEST VALUE IS 596.00301 AT (374765.00, 3771340.00, 61.34, 61.34, 6.10) DC
6TH HIGHEST VALUE IS 570.22172 AT (374765.00, 3771330.00, 61.36, 61.36, 6.10) DC
7TH HIGHEST VALUE IS 492.47212 AT (374775.00, 3771340.00, 61.78, 61.78, 0.00) DC
8TH HIGHEST VALUE IS 491.99668 AT (374775.00, 3771330.00, 61.79, 61.79, 0.00) DC
9TH HIGHEST VALUE IS 448.18391 AT (374765.00, 3771350.00, 61.32, 61.32, 6.10) DC
10TH HIGHEST VALUE IS 442.49319 AT (374765.00, 3771310.00, 61.46, 61.46, 0.00) DC

BIGBLUE5 1ST HIGHEST VALUE IS 13.12121 AT (374765.00, 3771400.00, 61.75, 61.75, 12.20) DC
2ND HIGHEST VALUE IS 12.44279 AT (374765.00, 3771410.00, 61.83, 61.83, 12.20) DC
3RD HIGHEST VALUE IS 12.34337 AT (374765.00, 3771400.00, 61.75, 61.75, 6.10) DC
4TH HIGHEST VALUE IS 12.25794 AT (374765.00, 3771400.00, 61.75, 61.75, 0.00) DC
5TH HIGHEST VALUE IS 12.09404 AT (374765.00, 3771410.00, 61.83, 61.83, 0.00) DC
6TH HIGHEST VALUE IS 12.03577 AT (374765.00, 3771410.00, 61.83, 61.83, 6.10) DC
7TH HIGHEST VALUE IS 12.00272 AT (374765.00, 3771390.00, 61.67, 61.67, 12.20) DC
8TH HIGHEST VALUE IS 11.65106 AT (374775.00, 3771410.00, 61.88, 61.88, 0.00) DC
9TH HIGHEST VALUE IS 11.38074 AT (374775.00, 3771410.00, 61.88, 61.88, 6.10) DC
10TH HIGHEST VALUE IS 11.26881 AT (374775.00, 3771410.00, 61.88, 61.88, 12.20) DC
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

NETWORK
GROUP ID AVERAGE CONC RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID
- -

BIGBLUE6 1ST HIGHEST VALUE IS 9.19116 AT (374765.00, 3771290.00, 61.64, 61.64, 12.20) DC
2ND HIGHEST VALUE IS 8.83288 AT (374765.00, 3771300.00, 61.55, 61.55, 12.20) DC
3RD HIGHEST VALUE IS 8.74953 AT (374765.00, 3771290.00, 61.64, 61.64, 6.10) DC
4TH HIGHEST VALUE IS 8.67305 AT (374765.00, 3771300.00, 61.55, 61.55, 6.10) DC
5TH HIGHEST VALUE IS 8.65870 AT (374765.00, 3771300.00, 61.55, 61.55, 0.00) DC
6TH HIGHEST VALUE IS 8.65224 AT (374765.00, 3771290.00, 61.64, 61.64, 0.00) DC
7TH HIGHEST VALUE IS 8.63202 AT (374775.00, 3771300.00, 62.02, 62.02, 0.00) DC
8TH HIGHEST VALUE IS 8.47860 AT (374775.00, 3771300.00, 62.02, 62.02, 6.10) DC
9TH HIGHEST VALUE IS 8.38386 AT (374785.00, 3771300.00, 62.36, 62.36, 0.00) DC
10TH HIGHEST VALUE IS 8.34042 AT (374775.00, 3771300.00, 62.02, 62.02, 12.20) DC

BCAMPE 1ST HIGHEST VALUE IS 108.83851 AT (374765.00, 3771270.00, 61.42, 61.42, 0.00) DC
2ND HIGHEST VALUE IS 99.98953 AT (374765.00, 3771280.00, 61.56, 61.56, 0.00) DC

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      3RD HIGHEST VALUE IS     96.49798 AT (  374765.00,
3771290.00,   61.64,   61.64,   0.00)  DC
      4TH HIGHEST VALUE IS     94.49539 AT (  374765.00,
3771300.00,   61.55,   61.55,   0.00)  DC
      5TH HIGHEST VALUE IS     93.34057 AT (  374765.00,
3771310.00,   61.46,   61.46,   0.00)  DC
      6TH HIGHEST VALUE IS     92.64899 AT (  374765.00,
3771320.00,   61.38,   61.38,   0.00)  DC
      7TH HIGHEST VALUE IS     92.19293 AT (  374765.00,
3771330.00,   61.36,   61.36,   0.00)  DC
      8TH HIGHEST VALUE IS     91.84309 AT (  374765.00,
3771340.00,   61.34,   61.34,   0.00)  DC
      9TH HIGHEST VALUE IS     91.49892 AT (  374765.00,
3771350.00,   61.32,   61.32,   0.00)  DC
     10TH HIGHEST VALUE IS     91.05507 AT (  374765.00,
3771360.00,   61.41,   61.41,   0.00)  DC

TRUCK   1ST HIGHEST VALUE IS     41.65209 AT (  374765.00,
3771370.00,   61.50,   61.50,  12.20)  DC
      2ND HIGHEST VALUE IS     35.05920 AT (  374765.00,
3771380.00,   61.59,   61.59,  12.20)  DC
      3RD HIGHEST VALUE IS     32.50582 AT (  374765.00,
3771370.00,   61.50,   61.50,   6.10)  DC
      4TH HIGHEST VALUE IS     30.60012 AT (  374765.00,
3771390.00,   61.67,   61.67,  12.20)  DC
      5TH HIGHEST VALUE IS     30.21580 AT (  374765.00,
3771360.00,   61.41,   61.41,  12.20)  DC
      6TH HIGHEST VALUE IS     30.21406 AT (  374765.00,
3771340.00,   61.34,   61.34,  12.20)  DC
      7TH HIGHEST VALUE IS     30.17529 AT (  374765.00,
3771350.00,   61.32,   61.32,  12.20)  DC
      8TH HIGHEST VALUE IS     29.33637 AT (  374765.00,
3771320.00,   61.38,   61.38,  12.20)  DC
      9TH HIGHEST VALUE IS     28.38403 AT (  374765.00,
3771330.00,   61.36,   61.36,  12.20)  DC
     10TH HIGHEST VALUE IS     27.27063 AT (  374765.00,
3771310.00,   61.46,   61.46,  12.20)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
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PAGE   9
  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN
ADJ_U*

                                  *** THE SUMMARY OF HIGHEST  1-HR
RESULTS ***


                           ** CONC OF DPM      IN MICROGRAMS/M**3
**

                                       DATE
NETWORK
GROUP ID                       AVERAGE CONC     (YYMMDDHH)
RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - -

BIGBLUE  HIGH   1ST HIGH VALUE IS      92.81571  ON 11041110: AT
(  374450.00,  3771175.00,    56.99,    56.99,    0.00)  DC

EGEN1    HIGH   1ST HIGH VALUE IS     428.12678  ON 14012614: AT
(  374765.00,  3771390.00,    61.67,    61.67,   12.20)  DC

EGEN2    HIGH   1ST HIGH VALUE IS     914.03980  ON 15121414: AT
(  374765.00,  3771340.00,    61.34,    61.34,    6.10)  DC

EGEN3    HIGH   1ST HIGH VALUE IS    1024.34613  ON 10110712: AT
(  374765.00,  3771290.00,    61.64,    61.64,   12.20)  DC

EGEN4    HIGH   1ST HIGH VALUE IS     410.85245  ON 16031113: AT
(  374785.00,  3771270.00,    61.91,    61.91,   12.20)  DC

EGEN5    HIGH   1ST HIGH VALUE IS     312.20199  ON 14080303: AT
(  374810.00,  3771040.00,    59.73,    59.73,    0.00)  DC

EGEN6    HIGH   1ST HIGH VALUE IS    1434.38837  ON 16123108: AT
(  374765.00,  3771370.00,    61.50,    61.50,   12.20)  DC

EGEN7    HIGH   1ST HIGH VALUE IS     515.21663  ON 10123008: AT
(  374775.00,  3771290.00,    62.14,    62.14,   12.20)  DC

DPM      HIGH   1ST HIGH VALUE IS    1494.52547  ON 16123108: AT (
374765.00,  3771370.00,    61.50,    61.50,   12.20)  DC

BIGBLUE2 HIGH   1ST HIGH VALUE IS     141.37061  ON 16070410:
AT (  374785.00,  3771410.00,    61.92,    61.92,    0.00)  DC

BIGBLUE3 HIGH   1ST HIGH VALUE IS     145.57684  ON 10090817:
AT (  374765.00,  3771270.00,    61.42,    61.42,   12.20)  DC

BIGBLUE4 HIGH   1ST HIGH VALUE IS    1934.93471  ON 11113020:
AT (  374765.00,  3771330.00,    61.36,    61.36,   12.20)  DC

BLUEVOL2 HIGH   1ST HIGH VALUE IS     409.48683  ON 10100517:
AT (  374670.00,  3771440.00,    61.30,    61.30,    0.00)  DC

BLUEVOL3 HIGH   1ST HIGH VALUE IS     504.76907  ON 10011716:
AT (  374765.00,  3771280.00,    61.56,    61.56,    6.10)  DC

BLUEVOL4 HIGH   1ST HIGH VALUE IS    2532.71869  ON 10020915:
AT (  374765.00,  3771330.00,    61.36,    61.36,    6.10)  DC

BIGBLUE5 HIGH   1ST HIGH VALUE IS     134.92630  ON 10012613:
AT (  374775.00,  3771410.00,    61.88,    61.88,    0.00)  DC

BIGBLUE6 HIGH   1ST HIGH VALUE IS     118.99313  ON 11100418:
AT (  374765.00,  3771290.00,    61.64,    61.64,   12.20)  DC

BCAMPE   HIGH   1ST HIGH VALUE IS    1224.51511  ON 15020908:
AT (  374765.00,  3771270.00,    61.42,    61.42,    0.00)  DC

TRUCK    HIGH   1ST HIGH VALUE IS    1453.79555  ON 16123108: AT
(  374765.00,  3771370.00,    61.50,    61.50,   12.20)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
  *** AERMOD - VERSION 21112  ***   ***
C:\AERMOD\TVC_HRA1\TVC_HRA1.isc                          ***
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  *** AERMET - VERSION  16216 ***   ***
***       16:14:36

PAGE  10
  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN
ADJ_U*

 *** Message Summary : AERMOD Model Execution ***
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Sensitivity Analysis – AERMOD Summary File

--------- Summary of Total Messages --------

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 808 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 4 Calm Hours Identified

A Total of 804 Missing Hours Identified (1.83 Percent)

******** FATAL ERROR MESSAGES ********
*** NONE ***

******** WARNING MESSAGES ********
ME W186 1294 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 1294 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
MX W450 17521 CHKDAT: Record Out of Sequence in Meteorological File at: 14010101
MX W450 17521 CHKDAT: Record Out of Sequence in Meteorological File at: 2 year gap

Appendix M

Peer Review of Health Risk Assessment

Memorandum

To: *Eyestone Environmental*

From: *John R. Pehrson, P.E., Discipline Leader for Air Quality Compliance and Modeling, CDM Smith*

Date: *July 17, 2023*

Subject: *Peer Review of the Health Risk Assessment Prepared for the TVC 2050 Final Environmental Impact Report*

1.0 Introduction and Background

Television City Studios, LLC is proposing to modernize its existing television studio on the southeast corner of Beverly Boulevard and Fairfax Avenue in the City of Los Angeles. The proposed project is referred to as the TVC 2050 Project. In compliance with the California Environmental Quality Act (CEQA), a Draft Environmental Impact Report (DEIR) for the TVC 2050 Project was prepared and circulated for public review and comment in July 2022. One of the recurring public comments was that a health risk assessment (HRA) should have been conducted for the proposed project. Prior to starting the DEIR, the City of Los Angeles (the City), the lead CEQA agency for the project, had consulted with the South Coast Air Quality Management District (SCAQMD) regarding the need for a quantitative HRA and the agreement at that time was that one was not required. Therefore, a qualitative HRA was provided in the DEIR. However, given the public interest in seeing a quantitative HRA conducted, SCAQMD recommended that the City complete one for the Final EIR.

The City's air quality consultant for the proposed project, Eyestone Environmental, conducted the HRA. CDM Smith was selected to provide quality control reviews of the HRA analysis and report. In addition, CDM Smith was charged with evaluating the consistency of the HRA analysis with applicable HRA guidance.

2.0 Quality Control Review Questions

The quality control review of the Health Risk Assessment (HRA) conducted for the proposed project included reviews of the HRA protocol, emission calculations, air dispersion modeling input and output, health risk assessment results, and the HRA report. In addition, CDM Smith considered the following questions when conducting these quality control reviews. This memorandum provides the answers to those questions, based on guidance documents included in **Attachment 1**:

- **Protocols and Guidance**
  - Was a health risk assessment protocol developed prior to completion of the HRA?
  - If so, did the protocol describe the steps and methods that would be used to develop toxic air contaminant (TAC) emissions, air dispersion, exposure pathways, and risks and hazards?
  - Did the protocol include a description of how project-related operations and construction impacts would be determined?
  - What thresholds were identified for use in determining the significance of the calculated risks and hazards?
  - Was the protocol reviewed by the South Coast Air Quality Management District (SCAQMD) before completion of the risk assessment? If so, how were the SCAQMD comments addressed?
  - What other HHRA guidance was included in the protocol and/or final calculations?
- **TAC Emissions**
  - What type of emission sources were included in the HHRA?
  - Were appropriate speciation profiles used to convert criteria air pollutant emissions to TAC emission?
- **Air Dispersion Modeling**
  - Which air dispersion model was used?
  - What were the sources of data for meteorology and terrain used in the model?
  - Were the estimated emissions correctly incorporated into the air dispersion model?
- **Exposure Pathways**
  - Were the exposure pathways included in the HHRA consistent with those specified in the HHRA protocol?
  - Were the types of receptors (e.g., residents and workers) consistent with those described in the protocol?
  - Were the exposure parameters (e.g., breathing rates, age-specific factors, durations of exposure, etc.) consistent with the protocol?
- **Health Risks and Hazards**
  - Were the calculation methods or models used for health risks and hazards consistent with the protocol?

- Were the exposure parameters used in the risk and hazard calculations correctly input into the risk assessment modeling analysis?
- Were the results summarized, including the location of peak impact, for the maximally exposed individual for each receptor type?

The peer review findings are summarized in the following sections of this memorandum.

3.0 Protocols and Guidance

The HRA Protocol was drafted in May 2023, titled "Health Risk Assessment Methodology, TVC 2050 Project." The HRA Protocol provided the methodology that would be used to develop the toxic air contaminants (TACs) of concern, exposure assessment, toxicity assessment, and health risk characterization.

The TACs of concern were developed through identification of the types of emission sources that would be associated with proposed project construction and operations, and the selection of the appropriate California Air Resources Board (ARB) speciation profiles for particulate matter (PM) and volatile organic compound (VOC) or total organic gas (TOG) emissions from those sources. These speciation profiles would be used to convert PM and VOC/TOG emissions to the individual TAC emissions from each source type. The resulting TACs from proposed project operations and construction were identified as TACs of Concern.

The protocol indicated that air dispersion modeling would be used to estimate the concentrations of PM (as particulate matter with an aerodynamic diameter of 10 micrometer or less, PM_{10}) and VOC/TOG from each source type. The ARB same speciation profiles noted above would be used to convert the PM_{10} or VOC/TOG concentrations to individual TAC concentrations at each receptor. The final concentrations used in the exposure assessment would include construction-related TAC concentrations and incremental project related operational concentrations.

The exposure populations included in the HRA protocol were the proposed on-site childcare center (both children and staff), off-site workers, off-site residents, and off-site school children. The exposure pathways would include inhalation, inadvertent ingestion, and dermal contact for all receptors. In addition, ingestion of home grown produce and mother's milk was included for residents only.

The protocol indicated that cancer risks and non-cancer health hazards would be evaluated following the California Office of Environmental Health Hazard Assessment (OEHHA) guidance published in 2015 to calculate risks and hazards to the exposed receptor types. The protocol also identified the specific risk thresholds that would be used to determine the significance of proposed project-related cancer risks and non-cancer health hazards. Appropriately, the thresholds were those developed by the South Coast Air Quality Management District (SCAQMD) for CEQA analyses.

The Draft HRA Protocol was submitted to SCAQMD on April 26, 2023, via email from Eyestone Environmental to SCAQMD. An overview of the protocol was presented to SCAQMD virtually on

April 27, 2023, by the City of Los Angeles and the city's consultant Eyestone Environmental. A follow up meeting with SCAQMD was held on May 5, 2023. The City and Eyestone Environmental incorporated SCAQMD comments regarding stationary sources and diesel trucks for the protocol. SCAQMD indicated via email on May 5, 2023, that they had no more comments regarding the HRA Protocol.

The list of guidance documents on health risk assessments that were reviewed in developing the HRA Protocol is included in **Attachment 1**.

Table 1 provides a summary of the peer review questions for the review of Protocols and Guidance, along with the related findings to these questions.

Table 1. Findings Related to Peer Review Questions Regarding Protocols and Guidance

Peer Review Question	Findings
Was a health risk assessment protocol developed prior to completion of the HRA?	Yes. Draft HRA Protocol Completed April 26, 2023.
If so, did the protocol describe the steps and methods that would be used to develop toxic air contaminant (TAC) emissions, air dispersion, exposure pathways, and risks and hazards?	Yes. The HRA Protocol included sections that described the planned analysis for each of the listed items.
Did the protocol include a description of how project-related operations and construction impacts would be determined?	Yes. The emissions and concentrations from construction and the incremental operations (future with project minus existing conditions) were described in Section 3.c.
Was the protocol reviewed by the South Coast Air Quality Management District (SCAQMD) before completion of the risk assessment? If so, how were the SCAQMD comments addressed?	Yes. The HRA Protocol was submitted to SCAQMD on April 26, 2023, with follow up virtual meetings conducted on April 27th and May 5th. SCAQMD comments were addressed in the Health Risk Assessment analysis.
What thresholds were identified for use in determining the significance of the calculated risks and hazards?	The appropriate SCAQMD CEQA risk assessment thresholds were identified in the protocol for significance determinations.
What other HHRA guidance was included in the protocol and/or final calculations?	Guidance documents reviewed during development of the HRA Protocol are listed in Attachment 1.

4.0 TAC Emissions

Proposed project construction and incremental operational sources were included in the HRA analysis. The on-site construction sources included: engine exhaust from offroad construction equipment, on-road haul trucks, and construction worker vehicles; volatilization from paving asphalt, architectural coating, and temporary construction dewatering; and excavation and handling of contaminated soil.

Operational sources were analyzed for both existing conditions and future with proposed project conditions. The operational sources for existing conditions included: stationary sources - boilers, emergency generators, spray paint booths, and maintenance architectural coating; and mobile sources – on- and off-site delivery trucks, on-site food trucks, employee vehicles, and Mobility Hub

vehicles (carpools, vanpools, shuttles, ride-share, taxi, and other commercial and non-commercial vehicles). The operational source types for future with proposed project conditions would be similar, except that the City of Los Angeles passed an All-Electric Ordinance which prohibits the use of new natural gas boilers, thus no boilers are considered in the future conditions.

Several emission models and data sources were used to develop the PM and VOC/TOG emission rates for each of the sources noted above. The following models were used to estimate emissions from the various project-related sources:

- California Emission Estimator Model (CalEEMod) was used to develop emission rates for on-site construction equipment exhaust, paving asphalt off-gassing, and architectural coating volatilization during construction and maintenance.
- ARB EMFAC2021 emission factor model for mobile sources was used to develop emissions from on-site construction haul trucks, construction and operational employee vehicles, on-site and off-site operational delivery trucks, and other on-site motor vehicles.
- U.S. Environmental Protection Agency (U.S EPA) Exposure Model for Soil Organic Fate and Transport (EMSOFT), U.S. EPA AP-42 Chapter 13.2.4 (Aggregate Handling and Storage Piles), and site-specific sampling data was used to develop on-site emissions from potentially contaminated soils.
- SCAQMD Annual Emission Reports (AERs) were used to develop emission from existing boilers, emergency generators, and spray paint booths. The future emissions from emergency generators were based on U.S. EPA Tier 4 and SCAQMD Rule 1470 requirements for new units and on the AER for the one existing generator that would be kept; and emissions from paint booths would be the same as those under existing conditions. No future fuel combustion boilers were assumed due to the City ordinance prohibiting new boilers to be fired units.
- Emission factors provided in SCAQMD Rule 1138 (Appendix G) for commercial cooking operations were used to develop emissions from on-site food truck operations.

Table 2 provides the listing of the ARB Speciation Profiles used to convert emissions of PM and VOC/TOG to individual TAC emissions.

Table 2. ARB Speciation Profiles for Particulate Matter and Organic Emissions

Particulate Matter Speciation Profiles	Organic Speciation Profiles
502 – Cooking	1453 – Meat Charbroiling
1101 – Gas-Fired Boilers	3 – External Combustion Boiler – Natural Gas
2201 – Surface Coating – Oil Based	3903 – Architect. Coatings – Solvent Based 2014 Survey
2202 – Surface Coating – Water Based	3904 – Architect. Coatings – Water Based 2014 Survey
4001 – Gasoline Vehicle Equipped with Catalytic Converter	2303 – Gasoline Catalyst – Stabilized Exhaust E6 Summer 2304 – Gasoline Catalyst – Stabilized Exhaust E6 Winter
7211 – 2021 HDDT Idle (only used for acute hazard)	818 – Farm Equipment – Diesel (used only for acute hazards)
7213 – 2021 HDDT Transient (used only for acute hazard)	
7231 – 2023 HDDT Idle (only used for acute hazard)	
7233 – 2023 HDDT Transient (used only for acute hazard)	
7261 – 2026 HDDT Idle (only used for acute hazard)	
7263 – 2026 HDDT Transient (only used for acute hazard)	
7493 – 2049 HDDT Transient – Represents Tier 4 Final Offroad Equipment (only used for acute hazard)	
	716 – Medium Cure Asphalt
	Adhesive (Spray 77) (% by weight)

5.0 Air Dispersion Modeling

The American Meteorological Society/U.S. EPA (AMS/EPA) Regulatory Model (AERMOD) was used to conduct dispersion modeling for the HRA. AERMOD is a preferred model in U.S. EPA's Guideline on Air Quality Models (40 CFR 51 Appendix W) and is the SCAQMD recommended model for facility dispersion modeling.

Five years of meteorological data (2012-2016), provided by SCAQMD for the Central Los Angeles monitoring station was used in the dispersion analysis. That was the closest monitoring station to the project site, approximately 7.5 miles away. Terrain data was obtained from the National Elevation Dataset (NED) available from the U.S. Geological Survey.

CDM Smith conducted a quality control evaluation of the dispersion modeling analysis between May 20 and 24, 2023. Aside from flipping the ratio of water-based vs solvent (oil)-based coating use in California with the water-based and solvent-based organic speciation profiles, no issues with emission inputs to the model were found. The water-based and solvent-based usage ratios were correctly applied to the different profiles in the final dispersion analysis.

6.0 Exposure Pathways

The exposure populations included in the HRA were off-site workers, off-site residents, off-site school children, and the proposed on-site childcare center children and staff, as specified in the HRA Protocol. The exposure parameters specified in the protocol for the inhalation pathway were incorporated into the exposure assessment. Additional parameters from the California HARP2

model were incorporated into the non-inhalation pathway exposure assessment for incidental soil ingestion, dermal contact, homegrown crop and mother's milk ingestion.

7.0 Health Risks and Hazards

The protocol indicated that health risks and hazards would be calculated using the OEHHA guidance equations in spreadsheets. However, the final health risks and non-cancer hazards were calculated using the California HARP2 risk model. This model has undergone verification modeling by the State of California, and the results are exactly consistent with the OEHHA guidance for calculating health risk impacts from exposure concentrations. The exposure parameters for all of the selected exposure pathways are included in the model.

The results of the HARP2 model are summarized in Section 4 of the HRA report, including the peak impacts for each receptor type.

8.0 Conclusion

Through this review, CDM Smith concludes that the HRA analysis was conducted in a technically accurate and conservative manner. The analysis followed appropriate guidance from State of California and local agencies responsible for overseeing risk assessments. Below is a non-exhaustive list of the conservative assumptions that were included in the HRA analysis:

- Construction would occur over the shorter 32-month period beginning soon after approval of the project. This assumption limits the effect that current regulations will have on reducing future emission factors from on-road and off-road mobile equipment and vehicles.
- All on-site construction equipment would be diesel fueled. Diesel particulate matter (DPM) was the dominant pollutant in generating peak risk assessment results.
- TAC emissions from potentially contaminated soil were based on either the maximum soil concentrations measured for the soil locations, or on the reporting limit for compounds that were not detected above the reporting limit.
- Organic TAC emissions from excavation of potentially contaminated soil were based on the assumption that the soil would be exposed, uncontrolled, and released to the atmosphere for up to one hour. Per SCAQMD Rule 1166, excavated soil that is contaminated shall be sprayed with water or suppressant and placed in sealed containers within 15 minutes of excavation.
- TAC emissions from potentially contaminated groundwater that is subject to dewatering during construction was based on the maximum detected concentrations from sampling and assumed no depletion of the groundwater concentration throughout the duration of dewatering.
- The incremental operational emissions of DPM (i.e., future with project minus existing conditions) from the emergency generators were based on historical generator operating

durations, not on the 200 hours typically permitted for emergency generators in the SCAQMD.

- Shuttles traveling to and from the Mobility Hub would be powered by gasoline, instead of natural gas or electric batteries.
- The HRA assumes the same level of paint/solvent/adhesive usage as reported in 2019 (pre-COVID) conditions. Under the proposed project, this usage would likely be less, and SCAQMD requirements would also require more efficient paint sprayers and HEPA filters for PM control from paint booths.
- Up to 10 food trucks with a char broiler or griddle would each operate per day, one truck per simultaneous production. It is not anticipated that production would occur daily at all 10 production locations nor would food trucks service every production that would occur.
- New spray paint booths and new emergency generators are assumed to be located near the closest residential locations on the east side of the project location.

The resume for the author of this review is provided in **Attachment 2**.

Attachment 1 – HRA Guidance and Technical Documents

California Air Sources Board, Mobile Source Emission Inventory—Current Methods and Data, ww2.arb.ca.gov/our-work/programs/mobile-source-emissions-inventory/msei-modeling-tools, accessed December 2022.

California Air Resources Board, Speciation Profiles Used in CARB Modeling. https://ww2.arb.ca.gov/speciation-profiles-used-carb-modeling

California Air Resources Board, Architectural Coatings Survey, May 6, 2022.

California Air Resources Board, EMFAC2021 Technical Documentation, April 2021. ww2.arb.ca.gov/sites/default/files/2021-08/emfac2021_technical_documentation_april2021.pdf?utm_medium=email&utm_source=govdelivery.

California Department of Toxic Substances Control's Human and Ecological Risk Office, Human Health Risk Assessment Note Number 10, Toxicity Criteria, February 25, 2019.

California Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Information and Assessment Act of 1987, Section 44300.

California Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program, Risk Assessment Guidelines, Guidance Manual for Preparation of Health Risk Assessments, February 2015.

California Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program, Risk Assessment Guidelines, Technical Support Document for the Derivation of Noncancer Reference Exposure Levels, June 2008 (with updates through July 2014).

California Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program, Risk Assessment Guidelines, Technical Support Document for Cancer Potency Factors: Methodologies for derivation, listing of available values, and adjustments to allow for early life stage exposures, May 2009 (with updates through May 2019).

California Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program, Risk Assessment Guidelines, Technical Support Document for Exposure Assessment and Stochastic Analysis, August 2012.

South Coast Air Quality Management District, SCAQMD Modeling Guidance for AERMOD, www.aqmd.gov/home/air-quality/air-quality-data-studies/meteorological-data/modeling-guidance, accessed January 2023.

South Coast Air Quality Management District, AB 2588 and Rule 1402 Supplemental Guidelines (Supplemental Guidelines for Preparing Assessments for the Air Toxics "Hot Spots" Information and Assessment Act), October 2020.

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SCAQMD, Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis, August 2003. www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/mobile-source-toxics-analysis.

U.S. Environmental Protection Agency, Overview of Drinking Water Treatment Technologies. www.epa.gov/sdwa/overview-drinking-water-treatment-technologies#GAC, accessed May 31, 2023.

U.S. Environmental Protection Agency, 40 CFR 51 Appendix W – Guideline on Air Quality Models, July 1, 2022.

U.S. Environmental Protection Agency, National Center for Environmental Assessment, 2018. Integrated Risk Information System (IRIS). Diesel Engine Exhaust.

U.S. Environmental Protection Agency, Exposure Factors Handbook, EPA/600/R-09/052F, September 2011.

U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation, Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual (Part F, Supplemental Guidance for Inhalation Risk Assessment), Final, January 2009.

U.S. Environmental Protection Agency, Memorandum—Implementation of the Cancer Guidelines and Accompanying Supplemental Guidance—Science Policy Council Cancer Guidelines Implementation Workgroup Communication II: Performing Risk Assessments that include Carcinogens Described in the Supplemental Guidance as having a Mutagenic Mode of Action, 2006.

U.S. Environmental Protection Agency, AP-42, Fifth Edition, Volume I Chapter 13: Miscellaneous Sources, Equation 13.2.4, November 2006. www.epa.gov/ttn/chief/ap42/ch13/final/c13s0204.pdf

U.S. Environmental Protection Agency, Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens, EPA/630/R-003F, 2005.

U.S. Environmental Protection Agency, EMSOFT User's Guide: Update to EMSOFT User's Guide, 2002.

U.S. Environmental Protection Agency, Estimation of Air Impacts for the Excavation of Contamination Soil, EPA-450/1-92-004. Office of Air Quality Planning and Standards. Air Superfund National Technical Guidance Series, 1992.

Attachment 2 – Resume of John R. Pehrson, P.E.

John R. Pehrson, PE

Associate, Air Quality Discipline Leader

Mr. Pehrson is a senior air quality engineer with over 40 years of professional experience. Mr. Pehrson has experience with criteria air pollutant, greenhouse gas, and toxic air contaminant emission inventories, air dispersion modeling, health risk assessments, and air quality permitting. He has conducted dispersion modeling for biogas feasibility, wastewater treatment plants, solid waste facilities, groundwater and soil remediation, airport development, and marine port development projects.

Mr. Pehrson has also been involved with numerous environmental projects related to regulatory compliance and acquisitions. He develops air quality modeling protocols for regulatory review, and has coordinated and negotiated on behalf of clients with the South Coast Air Quality Management District, California Air Resources Board, and U.S Environmental Protection Agency – Region 9. He leads a team of air quality professionals that routinely prepare Title V permit renewals, annual and semi-annual emission inventory reports, and conduct odor modeling.

Aviation – Environmental Assessments and General Conformity

Task Lead, Airfield and Terminal Modernization Project, Los Angeles International Airport (LAX), Los Angeles World Airports, Los Angeles, California, 2018-2021. Mr. Pehrson is currently serving as the technical lead for the air quality impact analysis, health risk assessment, and greenhouse gas evaluation for the LAX Airfield and Terminal Modernization Project. The proposed project includes a major renovation of the north airfield taxiways, additional of new terminal and course areas, and landside access modifications. Mr. Pehrson leads the CDM Smith team conducting the air quality impact analysis, greenhouse gas emission inventories, and human health risk assessment for inclusion in the National Environmental Policy Act (NEPA), California Environmental Quality Act (CEQA), and Clean Air Act General Conformity Determination documents. His team creates the inputs, runs, and interprets the results from the FAA's AEDT model, USEPA's AERMOD dispersion model, and California's EMFAC and OFFROAD motor vehicle and off-road equipment emission models for multiple alternatives and horizon years. Finally, his team reviewed almost 100 potential mitigation measures and sustainability options to reduce project-related impacts.

Project Technical Leader, Input to 2022 Air Quality Management Plan, Los Angeles World Airports, Los Angeles, California, 2019-2021. Mr. Pehrson serves as the project technical leader and task leader for the development of baseline (2018) and future (2023 – 2037) airport-wide emission inventories for Los Angeles International Airport (LAX) and Van Nuys Airport (VNY). These inventories were developed in conjunction with the update to the State Implementation Plan (SIP) for the South Coast Air Basin (referred to as the 2022 Air Quality Management Plan). He completed the baseline and future criteria air pollutant and greenhouse gas (GHG) emission inventories for both airports. The inventories include emissions from aircraft and auxiliary power units. The emission inventories were submitted to the South Coast Air Quality Management District and the aircraft emissions are being included in the 2022 Air Quality Management Plan, which will be submitted to USEPA for approval by 2022.

Education

MBA – California State University, Fullerton, 2000

BS – Chemical Engineering, University of California, Davis, 1981

Registration

Professional Engineer (Chemical), California, 1990 License No. CH4656

Certifications

SCAQMD Certified Permitting Professional, License No. D11325

CDM Smith

Project Technical Lead, Clark County Airport System Emission Inventories, Clark County (Las Vegas), Nevada, 2019-2020. Mr. Pehrson was the technical lead for the development of existing (2017) and future (2023 and 2032) emission inventories for five existing civil airports and one proposed airport administered by the Clark County Department of Aviation (CCDOA). The airport inventories were developed as input to Nevada's Maintenance Plan for the 1997 8-hour ozone NAAQS. His team used design day forecasts to develop AEDT inputs for each airport and scenario, including a future scenario that included a new reliever airport to McCarran International. For McCarran, CDM Smith also obtained ground support equipment (GSE) data and created population-based GSE inputs to AEDT. The output from AEDT was summarized and submitted to CCDOA and the Clark County Department of Air Quality.

Project Manager, Airport Emissions Inventory, Los Angeles World Airports, Los Angeles, California, 2013-2016. Mr. Pehrson served as the project manager and task leader for the development of baseline (2012) and future (2017 – 2031) airport-wide emission inventories for Los Angeles International Airport (LAX), LA/Ontario International Airport (ONT), and Van Nuys Airport (VNY). These inventories were developed in conjunction with the update to the State Implementation Plan (SIP) for the South Coast Air Basin (referred to as the 2016 Air Quality Management Plan). He completed the baseline and future criteria air pollutant and greenhouse gas (GHG) emission inventories for all three airports. The inventories include emissions from aircraft, auxiliary power units, ground support equipment, ground access vehicles, and stationary facilities (central utility plant, emergency generators, maintenance facilities, engine test locations, and on-airport kitchens). The emission inventories were submitted to the South Coast Air Quality Management District and the aircraft emissions were included in the 2016 Air Quality Management Plan, which has been submitted to USEPA for approval. He also estimated the effect of various potential emission reduction measures on the future inventories.

Task Manager, Air Quality Impact Analysis for LAX Landside Access Modernization Program EIR, EIS, and General Conformity Determination, Los Angeles World Airports, Los Angeles, California, 2015-2016. Mr. Pehrson served as the task manager for the air quality impact analysis/health risk assessment and climate change/greenhouse gas impacts for the LAX Landside Access Modernization Project (LAMP) EIS, EIR, and General Conformity Determination. He led a team that developed construction and operational emission inventories and that conducted dispersion modeling of the extensive roadway system that would be affected by the project. The general conformity determination was obtained through negotiations with the SCAQMD and Southern California Association of Governments (SCAG). The health risk assessment used in the EIR analysis used the conservative California Office of Environmental Health Hazard Assessment (OEHHA) guidance developed in 2015, demonstrating that the project impacts on human health would be less than SCAQMD CEQA significance thresholds.

Task Manager, LAX GSE Policy Emissions Model, Los Angeles World Airports, Los Angeles, California, 2015-present. Mr. Pehrson developed a spreadsheet-based emission factor calculator to determine the airport-wide nitrogen oxides plus hydrocarbon {NOx+HC) emission factor from GSE operated at LAX. The calculator supported the LAX GSE Policy, which was developed to ensure that the airport-wide GSE emission factor was reduced to 2.65 grams per horsepower-hour (g/hp-hr) over a six-year period. After

developing the GSE Policy for LAX, Mr. Pehrson oversaw the annual emission factor calculation for each year. The analysis includes collecting the GSE data from the tenants; sorting the equipment information by equipment type (bag tug, belt loader, etc.), model year, and fuel type; and calculating the airport-wide NOx+HC emission factor.

Federal Aviation Administration Air Quality Modeling Design Review Group Member, 2000-present. Mr. Pehrson has served as a member of FAA's Design Review Group (DRG) for EDMS and AEDT since 2000. He has provided input to the model design of EDMS, participating in a LIDAR study at LAX to improve the predicted dispersion of pollutant emissions from aircraft engines while aircraft were taxiing and taking off of the runways. He most recently assisted in assessing the operability of AEDT 2b for air quality impact analyses before that model's release in May 2015.

Air Quality Program Manager, LAX Master Plan EIS/EIR and General Conformity Determination, Los Angeles, California, 1997-2009. Mr. Pehrson served as the air quality program manager and lead air modeler for the Los Angeles International Airport (LAX) Master Plan project environmental impact statement/ environmental impact report (EIS/EIR) and General Conformity Determination. He led the air quality team to successful completion of the Final EIS, Final EIR, and Final General Conformity Determination. The project included the extensive negotiation of air quality modeling protocols with the South Coast Air Quality Management District (SCAQMD), California Air Resources Board (ARB), U.S. Environmental Protection Agency (EPA), Southern California Association of Governments (SCAG), and Federal Aviation Administration (FAA). The analyses addressed local and regional air quality impacts from on-road mobile sources (passenger vehicles and cargo trucks); off-road mobile sources (aircraft, ground support equipment, and construction equipment); and stationary sources (utility plants, maintenance facilities, and fuel farms). Multiple air emission and dispersion models were applied to the project, including ARB EMFAC and OFFROAD emission models, FAA EDMS emission and dispersion model for airports (which incorporates AERMOD), and CAL3QHC-R for roadway intersection CO hot spots. Under his guidance, the air quality impact analyses demonstrated that future concentrations would meet or be better than the National and California Ambient Air Quality Standards (AAQS), would conform to the State Implementation Plan (SIP) air quality budgets, and would not cause unacceptable risk from exposure to hazardous air pollutants. Mr. Pehrson provided technical expertise and management to the EIRs that were developed to implement specific LAX Master Plan projects. Those projects include the South Airfield Improvement, Crossfield Taxiway, Bradley West, and Central Utility Plant Replacement projects.

Air Quality Program Manager, LAX Specific Plan Amendment Study EIR, Los Angeles, California, 2010-2012. Mr. Pehrson served as the air quality program manager for the LAX Specific Plan Amendment Study EIR, which essentially updates the Master Plan. He managed a team of air quality modelers that employed the FAA's Emission and Dispersion Modeling System (EDMS) as well as ARB's EMFAC and OFFROAD programs to estimate emissions and concentrations from airport project construction and operations for nine project alternatives. His team assessed potential impacts from criteria pollutants, greenhouse gases and toxic (hazardous) air contaminants.

Program Manager, Air Quality General Conformity Analysis, Phoenix, Arizona, 1997-present. Mr. Pehrson has overseen the air quality general conformity analyses being

conducted for the city of Phoenix Aviation Department for over 20 years. The analyses included determining construction and fugitive dust emissions for various projects being implemented at the three city airports. Under his guidance, CDM Smith developed a tiered set of construction emission spreadsheets used to estimate construction emissions and compare the emissions to general conformity thresholds. The analyses are used to demonstrate that general conformity thresholds will not be exceeded for current and upcoming projects. In addition, Mr. Pehrson provided guidance to the aviation department's environmental group regarding general conformity regulations that are potentially applicable to specific airport projects, and the benefits and issues associated with use of VALE funding for airport projects. Finally, Mr. Pehrson commented on other air quality issues that have surfaced at City of Phoenix airports, such as U.S. EPA's desire to measure lead (Pb) concentrations near the Deer Valley general aviation airport.

Project Manager, Lead (Pb) Dispersion from General Aviation Aircraft, Port of Portland, Hillsboro, Oregon, 2010. Mr. Pehrson led a CDM Smith team in estimating lead (Pb) emissions from general aviation aircraft operating out of the Hillsboro Airport, and estimating potential Pb concentrations in the surrounding community. The result of the team's analysis was incorporated into the Oregon Department of Environmental Quality's Portland Air Toxics Study which indicated very low levels of Pb in ambient air around the airport.

Project Manager, New Airport Air Quality Planning, Clark County Department of Aviation, Southern Nevada, 2006-2009. Mr. Pehrson led a CDM Smith team in analyzing the potential air quality impacts associated with a new airport that was being planned for Southern Nevada. He developed detailed inventories and source locations, included elevated emissions from aircraft, for the proposed new airport and Las Vegas McCarran Airport (LAS). He participated in negotiations with Clark County Department of Air Quality and Environmental Management (DAQEM). He was successful in convincing DAQEM to include these emission inventories in the ozone attainment demonstration modeling for the State Implementation Plan (SIP) update.

Task Manager, LGB Terminal Improvement Project EIR, Long Beach, California, 2005-2006. Mr. Pehrson managed the air quality and health risk assessment for the Long Beach Airport (LGB) Terminal Improvement Project EIR. The analysis included determining impacts from both criteria and toxic air pollutants during construction and operational phases, and addressed on-road and off-road (aircraft, ground support equipment, and construction equipment) sources. It also included mitigation for construction and airport ground support equipment emissions. He oversaw the technical analyses and prepared the air quality and health risk assessment sections of the EIR. Mr. Pehrson also participated in the CEQA public hearings.

Task Manager, OAK Supplemental EIR, Port of Oakland, Oakland, California, 2003-2004. Mr. Pehrson worked with Oakland International Airport (OAK) to develop a health risk assessment for airport sources to be included in a court-mandated Supplemental EIR. The EIR supported the Port of Oakland's proposed Airport Development Program, which would improve and expand existing facilities at the airport to accommodate existing and projected passenger and air cargo activity. In addition to managing the CDM Smith air toxic health risk team, Mr. Pehrson developed toxic air pollutant emission inventories and conducted a dispersion analysis of these emissions. He worked closely with the risk

assessors and OAK to develop a credible health risk assessment that addressed on-road and off-road sources.

Project Manager, SEATAC Air Pollutant Emission Inventories, Port of Seattle, Seattle, Washington, 2000-2002. Mr. Pehrson managed the verification of NOx emission reductions associated with landside improvements at the Seattle-Tacoma International Airport (SEATAC). This project also included developing current and future criteria pollutant emission inventories for submittal to the Puget Sound Clean Air Agency (PSCAA). The work conducted for SEATAC was used to demonstrate that the capital improvement projects, particularly on roadways and parking lots, were actually generating the emission reductions claimed in the Master Plan EIS. Inventories were developed for current conditions and future years. *Working with SEATAC, Mr. Pehrson negotiated with PSCAA to include the future inventories in the next revision of the Washington SIP.*

Senior Air Quality Engineer, Airport NOx Emissions Reduction Plan, Houston Airport System, Houston, Texas, 2001-2002. Mr. Pehrson worked with Houston Airport System (HAS) to develop a NOx Emissions Reduction Plan required under an agreement between HAS and the Texas Natural Resource Conservation Commission (TNRCC). He developed an inventory of airport sources. Mr. Pehrson identified potential emission reductions associated with alternative fuel GSE, airfield improvements, aircraft gate electrification and preconditioned air. He also reviewed emission reductions for HAS fleet conversions and consolidated rental car facilities.

Aviation – Greenhouse Gases and Sustainability

Project Manager, Airport Carbon Accreditation Certification, Los Angeles International Airport and Van Nuys Airport, Los Angeles California, California, 2018-present. Mr. Pehrson leads a team of greenhouse gas (GHG) experts in developing 2018 emission inventories for Los Angeles International Airport (LAX) and Van Nuys Airport (VNY), using the FAA's AEDT model. The analyses include developing a protocol, creating inventories for current (2018) and previous years. Mr. Pehrson manages the team, developed the airport-related regional traffic inventories, and identified programs and policies implemented by Los Angeles World Airports (LAWA) that reduced GHG emissions. The analyses demonstrate that current (2018) reductions in GHG emissions at LAX and VNY relative to the previous three years (2015-2017) qualifies these airports for Level 3 Certification. Mr. Pehrson also led the same team over the previous two years in developing the LAX Level 3 Certification analysis for the 2016 and 2017 inventories. Subsequently, LAWA has selected the CDM Smith team to develop the ACA certifications for each of the next three years, 2019 - 2021.

Technical Lead, Electric Vehicle Charging Study, Los Angeles International Airport and Van Nuys Airport, Los Angeles California, California, 2017-2019. Mr. Pehrson led a team of electric vehicle (EV) charging experts in preparing a study of EV charging needs and developing recommendations for LAX and VNY airports. This study included a review of public EV use in Southern California, airport plans for conversion of airport-owned fleets to EVs, available EV supply equipment (EVSE, basically EV chargers and add-on equipment) for light duty vehicles and heavy-duty buses, and existing electrical infrastructure in airport parking lots. The study included order-of-magnitude cost estimates for the installation of EVSEs in each airport parking lot (both public and employee only) based on the type and number of chargers to be installed as well as on the

capacity of existing electrical infrastructure to supply the anticipated demand. The study serves as a blueprint for timely installation of EVSE systems throughout both airports.

Project Manager, LGB Sustainability Program Air Quality Benefits Analysis, Long Beach, California, 2012. Mr. Pehrson was the technical lead in the analysis of air quality benefits associated with implementing the LGB Green sustainability program. His team analyzed benefits associated with on-site recycling and reuse of soil and demolition materials; replacing diesel GSE with gate power, preconditioned air, and electrical GSE; energy conservation programs; solar panel installation and operation; consolidated rental car facility; and expanded on-airport parking to replace off-airport parking shuttle trips. Their results indicated that over 4 million pounds of pollutant emissions had been eliminated, equivalent to removing over 5 million automobiles off the road annually.

Project Manager, Airport System Greenhouse Gas Emission Inventories, Various Locations, California, 2008-2009. Mr. Pehrson led a team of greenhouse gas (GHG) experts in developing emission inventories for the four Los Angeles World Airport (LAWA) facilities: LAX, Ontario International, Van Nuys, and Palmdale airports. The analysis included developing a protocol, creating inventories for existing conditions, backcast inventories for 1990, and forecast inventories for 2030. Mr. Pehrson managed the team, developed the airport-related regional traffic inventories, and identified programs and policies implemented by LAWA that reduced GHG emissions.

Project Manager, Airport System Greenhouse Gas Emission Inventories, Port of Portland, Various Locations, Oregon, 2008-2009. Mr. Pehrson led a team of greenhouse gas (GHG) experts in developing emission inventories for three Port of Portland airport facilities: Portland International, Hillsboro, and Troutdale airports. The analysis included developing a protocol, creating inventories for existing conditions, backcast inventories for 1990, and forecast inventories for 2020. Inventories were organized in two ways: Scope 1, 2, and 3 inventories for potential reporting to the Western Climate Initiative; and Port planning inventories to determine the sources that the Port could exercise some influence over regarding mitigation.

Aviation – Research

Principal Investigator, TRB ACRP Project No. 02-16, Various Locations, USA, 2010-2012. Mr. Pehrson was the principal investigator for a federal research project to quantify the nationwide ground support equipment (GSE) inventory and identify air emission reduction strategies. He led a team of researchers that worked and coordinated with airport authorities, airlines, and GSE manufacturers to collect data and information on GSE types and functions, fuels, emission reduction technologies and approaches. In addition, his team conducted field surveys of GSE at 12 U.S. airports, and used this information to estimate the national inventory of GSE in 2010. Finally, the team created an interactive presentation on GSE basics, emissions, and reduction technologies for use by the aviation industry.

Project Manager, LAX Air Quality and Source Apportionment Study, Los Angeles, California, 1999-2001, 2006-2013. Mr. Pehrson led a team of air quality experts in the development of the framework for an air quality and source apportionment study for the area surrounding Los Angeles International Airport (LAX). He prepared the project technical work plan which served as a blueprint of the field monitoring, sample collection and analysis, data interpretation, and reporting to be conducted during the study. The

development of the work plan was coordinated and negotiated with the project's Technical Working Group (TWG). The TWG included representatives from the U.S. Environmental Protection Agency (EPA), California Air Resources Board, South Coast Air Quality Management District, Federal Aviation Administration, community representatives, Los Angeles World Airports (LAWA), and CDM Smith, as well as source apportionment experts Dr. John Watson of the Desert Research Institute and Dr. Ronald Henry of the University of Southern California. Mr. Pehrson presented the project technical work plan, pilot study quality assurance project plan, emissions inventory protocol, and fuel sampling protocol to the EPA peer review panel. There was general agreement among the expert peer review panelists that the study design and technical approach meet the stated technical objectives of the study and that the goals and all objectives were proper. Following the contractor procurement process, Mr. Pehrson served as LAWA's technical expert reviewing and commenting on the selected field contractor's findings and reports.

Panel Member, TRB ACRP Project 02-90 - Development of Airport Construction Emission Inventory Tool (ACEIT) Version 2.0, 2021-present. Mr. Pehrson serves as a panel member on the ACRP Panel that is reviewing the project reports and tools being developed to update the Airport Construction Emission Inventory Tool (ACEIT). He is providing airport environmental consulting insight to the research team and providing comments on draft reports.

Panel Member, TRB ACRP Projects 02-04 and 02-04A, 2006-2008. Mr. Pehrson served as a panel member on the ACRP Panels that produced ACRP Report 6 "Research Needs Associated with Particulate Emissions at Airports," and ACRP Report 9 "Summarizing and Interpreting Aircraft Gaseous and Particulate Emissions Data." He provided airport environmental consulting insight to the research team and provided comments on draft reports.

Marine – Environmental Assessments and General Conformity

Air Quality Task Manager, Berths 226-232 Container Terminal Expansion Project EIS/EIR, Port of Los Angeles, San Pedro, California, 2014-2016. Mr. Pehrson leads a team of air quality specialists in modeling the potential air quality impacts of a major terminal expansion project in the Port of Los Angeles (Port) for a joint EIS/EIR. The analyses will address both local and regional air quality impacts from on-road mobile sources (container trucks and worker vehicles) and off-road mobile sources (ships, tugboats, cargo handling equipment, and rail locomotives). The impacts are estimated using ARB EMFAC, CalEEMod, and HARP2 models, as well as EPA emission factor reports, and AERMOD dispersion models. His team is also estimating greenhouse (GHG) emissions from all sources located on the project site and utility plant emissions associated with power purchased to operate electrical equipment. Mr. Pehrson conducted the General Conformity applicability analysis and determined that project emissions would conform with the emission budgets contained in the USEPA-approved State Implementation Plan.

Air Quality Task Manager, Berths 302-306 Container Terminal Expansion Project EIS/EIR, Port of Los Angeles, California, 2009-2012. Mr. Pehrson led a team of air quality specialists modeling the potential air quality impacts of a major terminal expansion project in the Port of Los Angeles (Port) for a joint EIS/EIR. The analyses addressed both local and regional air quality impacts from on-road mobile sources (container trucks and worker vehicles) and off-road mobile sources (ships, tugboats, cargo handling equipment,

and rail locomotives). The impacts were estimated using ARB EMFAC, CalEEMod, and HARP models, as well as EPA emission factor reports, and AERMOD and CAL3QHC dispersion models. His team also estimated greenhouse (GHG) emissions from all sources located on the project site and utility plant emissions associated with power purchased to operate electrical equipment. Mr. Pehrson conducted the General Conformity applicability analysis and determined that project emissions would not exceed the *de minimis* thresholds.

Project Manager, Air Quality General Conformity Analyses, Port of Los Angeles, San Pedro, California, 2008-2011. Mr. Pehrson managed air quality general conformity evaluation services to the Port of Los Angeles for a number of large Port projects subject to U.S. Army Corps of Engineers (USACE) permits. Due to the very poor air quality in the region, federal action construction emissions typically exceed the general conformity *de minimis* thresholds. Mr. Pehrson has prepared or supported the preparation of full general conformity evaluations for several container terminal expansion projects, a marine oil terminal, a large waterfront improvement project, and a port channel deepening project. He has negotiated on behalf of the Port and USACE with the South Coast Air Quality Management District, California Air Resources Board, and Region 9 of the U.S. Environmental Protection Agency regarding the findings of these evaluations.

Air Quality Task Manager, Marine Repair Shop Expansion Project, Port of Los Angeles, San Pedro, California, 2010-2012. Mr. Pehrson led a team of air quality specialists in modeling the potential air quality impacts of the Al Larson Boat Shop Improvement Project EIS/EIR in the Port of Los Angeles. The analyses addressed both local and regional air quality impacts from project construction and operations. The impacts were estimated using ARB EMFAC, CalEEMod, and HARP models, as well as EPA emission factor reports, and the AERMOD dispersion model. His team also estimated greenhouse (GHG) emissions from all sources located on the project site. Mr. Pehrson conducted the General Conformity applicability analysis and determined that project emissions would not exceed the *de minimis* thresholds.

Other – Environmental Assessment and General Conformity

Air Quality Task Leader, Folsom Joint Federal Project Draft Environmental Impact Statement/Environmental Impact Report, Folsom, California, 2006-2007. Mr. Pehrson worked as the air quality task leader on a multi-agency, multi-year construction project to implement flood control and hydrologic risk reduction at the Folsom Dam in Sacramento County. Both stationary (on-site concrete batch plants and rock crushing/sizing facilities) and mobile (construction equipment, haul trucks, and worker vehicles) sources are being analyzed. Construction emissions are being developed following Sacramento Metropolitan AQMD CEQA guidelines. Construction emissions were compared to Clean Air Act general conformity *de minimis* thresholds for nitrogen oxides (NOx), volatile organic compounds (VOC), carbon monoxide (CO), and particulate matter (PM10). A general conformity determination was completed for NOx emissions since those emissions exceeded the applicable threshold.

Project Manager, Oilfield Redevelopment Health Risk Assessment, Newport Beach, California, 2009-2010. Mr. Pehrson managed the completion of a health risk assessment for the redevelopment of an existing oilfield to a multi-use residential, commercial, open

space, and oilfield operations project. The risk assessment used incorporated in the project EIR.

Project Manager, Facility Expansion Toxic Air Pollutant Health Risk Assessment, Newport Beach, California, 2007-2008. Mr. Pehrson managed the completion of a health risk assessment for utility plant expansion at the Hoag Memorial Hospital Presbyterian in Newport Beach, California. The findings of the assessment, developed using the ARB's Hot Spots Analysis and Reporting Program (HARP), will be included in the Supplemental EIR being prepared for the project.

Permitting, Regulatory Compliance, and Due Diligence

Task Leader, Water Reclamation Facility Expansion, Corona, California, 2021-Present. Mr. Pehrson prepared air quality permit application packages for the Elsinore Valley Horsethief Canyon Water Reclamation Facility (WRF) Expansion Project. He was responsible for completing the appropriate permit forms and supplemental material, providing emission calculations, and submitting the package to the South Coast Air Quality Management District (SCAQMD) for three permits: the WRF operations equipment, biofilter odor control unit, and emergency generator. He also reviewed draft permit conditions, provided comments on those conditions, and facilitated negotiations between the client and SCAQMD regarding changes to the conditions.

Task Leader, Groundwater Treatment Plant, Anaheim, California, 2022-Present. Mr. Pehrson is responsible for preparing the permit application package for the Anaheim Public Utilities Groundwater Treatment Plant – Linda Vista site. He oversaw the preparation of the emergency generator permit application package for submittal to the SCAQMD.

Air Quality Modeler, Wastewater Treatment Plant Odor Control Project, Wichita, Kansas, 2022 to Present. Mr. Pehrson prepared and conducted air dispersion modeling of odors for the Wichita Wastewater Treatment Plant No. 2 Odor Control Project. He developed model inputs, conducted AERMOD dispersion modeling and summarized model inputs in the form of odor concentrations (odor units per cubic meter) and frequency of exceedances of the odor unit threshold (7 OUs averaged over five minutes) at offsite receptors around the plant. He prepared the odor dispersion analyses for the baseline conditions and four odor control scenarios and summarized the modeling methodology and results in a technical memorandum.

Air Quality Modeler, Water Reclamation Facility Odor Control Project, Fort Worth Texas, 2022 to Present. Mr. Pehrson prepared and conducted air dispersion modeling for the Village Creek Water Reclamation Facility Primary Clarifier Improvements Project. He developed model inputs, conducted AERMOD dispersion modeling for both odors (odor units per cubic meter) and hydrogen sulfide (H_2S). He compared the concentrations to both a 5 OU nuisance threshold averaged over five minutes and a Texas H_2S 30-minute average concentration limit of 0.08 parts per million by volume (ppmv) at offsite receptors around the plant. He prepared the odor and H_2S dispersion analyses for the baseline conditions and tow odor control scenarios and summarized the modeling methodology and results in the odor modeling section of the technical memorandum.

Technical Reviewer. Environmental Impacts of Waste Disposal Alternatives, Department of Public Works, Washington, District of Columbia, 2020-2021. Mr.

Pehrson provided technical reviews the analysis of disposal options for the management of municipal solid waste (MSW) in the region. CDM Smith compared overall GHG emissions and potential impacts to local communities for several disposal options that included: (i) landfilling all MSW with flaring of landfill gases, (ii) landfilling all MSW with landfill gas collection and combustion in waste-to-energy engines and flaring of excess gas, and (iii) shipping all MSW to a waste-to-energy incinerator. The study also informed planning for the city's long-term zero waste and sustainability goals.

Technical Reviewer, Environmental Impacts of Waste Disposal Alternatives, Fairfax County Solid Waste Management Program, Fairfax County, Virginia, 2019. Mr. Pehrson provided technical reviews of the CDM Smith technical approach for an environmental impact analysis of waste management strategies, which included air quality, transportation, cost, and sociodemographic impacts to address a client's question regarding the overall sustainability of their solid waste management program. He reviewed the GHG and Air Quality analysis used to compare the impacts of sending waste to a landfill vs waste to an energy plant vs a recycling center.

Task Manager, Solids Master Plan, Arlington County, Virginia, 2017-2018. Mr. Pehrson led a team analyzing air quality emissions under existing conditions and multiple future scenarios for the Arlington County Water Pollution Control Plant for the client's Solids Handling Master Plan. The primary alternatives considered included adding digesters to the facility and: (i) using the digester gas in on-site combined heat and power (CHP) engines to offset a portion of the facility heat and electrical demand, or (ii) treating the digester gas to pipeline natural gas specs and selling to the local natural gas distributor. The plant's air quality permit, annual emissions inventory, and operating data were reviewed to determine the existing facility potential to emit from boilers, heaters, fuel storage tanks, emergency generators, and sludge haul trucks. Proposed equipment specification sheets and design assumptions were reviewed to estimate peak hourly, daily and annual emissions from new CHP engines, thermal oxidizer, and boilers, as well as the reduction in sludge haul truck trips. Mr. Pehrson conducted air dispersion modeling of existing and future scenarios and compared results with ambient air quality standards. After completing the analysis, he participated in a public meeting, presenting the results to community representatives.

Project Manager, Proposed School Health Risk Assessment, Los Angeles, California, 2014-2015. Mr. Pehrson conducted a health risk assessment on potential school children and teachers at a proposed pre-kindergarten site near the I-710 freeway for the Los Angeles Unified School District. The analysis was conducted using the recently published (2015) health risk assessment preparation guidelines published by the California Office of Environmental Health Hazard Assessment. Mr. Pehrson estimated diesel truck emissions from the freeway, conducted air dispersion modeling of the freeway emissions using AERMOD, and estimated health risks associated with exposure of children and teachers on the proposed site to the truck diesel engine exhaust. He prepared the analysis memorandum for the client, and provided responses to client questions.

Project Manager, Diesel Exhaust Studies Review, Portland, Oregon, 2005. Mr. Pehrson managed the review of toxicological studies on diesel engine exhaust particulate matter for the Port of Portland. The report produced by CDM Smith on this project was one of the sources submitted by the Port to the Oregon Department of Environmental Quality to

successfully demonstrate that the California risk assumptions for diesel exhaust should ***not*** be used for risk assessments in Oregon's Air Toxics Program.

Air Quality Permitting Manager, Liquid Fuels Transportation Pipelines and Terminals, Multiple Locations, 2000-2001. Mr. Pehrson managed air quality permitting tasks for various Kinder Morgan Energy Partners (KMEP) projects throughout California and the Southwestern U.S. He was responsible for the development of permit applications, submittal to the appropriate air quality districts, responding to agency comments, and negotiating permit conditions.

Project Manager, Regulatory Review and Health Risk Assessments for Diesel Standby Generators, Verizon, Various Locations, California, 2001. Mr. Pehrson was the project manager for an air quality regulatory review of diesel standby generators that were being considered for peak shaving service in Southern California. The review analyzed federal, state and local requirements, including emission standards, BACT/LAER levels, permitting requirements, and hazardous air pollutant impacts. A series of health risk assessments were conducted for diesel-powered standby generators at multiple locations in Southern California.

Project Manager, Baseline Noise and Air Quality Survey, Chino, California, 2000. Mr. Pehrson was the project manager for a baseline survey of noise, dust, odor, and volatile organic compounds (VOC) conducted for the Inland Empire Utilities Agency Regional Plant 5 location in Chino, California. He coordinated and assisted with the collection of noise, dust, odor, and VOC measurements and the compilation of the findings in the final report.

Senior Air Quality Engineer, Radon Removal Cost Analysis and Risk Assessment, San Bernardino, California, 1999. Mr. Pehrson coordinated and assisted with the development of radon emission inventories, dispersion analysis and risk assessment to identify potential impacts of proposed EPA drinking water standards for radon. The work was performed for the East Valley Water District in San Bernardino, California. Comparisons between EPA generic assessments and the specific assessment for East Valley Water District were made.

Senior Air Quality Engineer, Foundation Ventilation System Permitting, Los Angeles, California, 1999-2000. Mr. Pehrson prepared permit application forms, developed toxic air pollutant emission inventories, and conducted air dispersion modeling and risk assessments for a subsurface foundation ventilation system designed for the Y.O.U. Community Youth Center in Los Angeles, California. He also submitted the application and negotiated permit conditions with the South Coast Air Quality Management District.

Professional Activities

Member, Federal Aviation Administration AEDT/EDMS Design Review Group

Friend, Transportation Research Board Committee on the Environmental Impacts of Aviation (AV030)

Panel Member, Transportation Research Board – Airport Cooperative Research Program, Project 02-90: Development of Airport Construction Emission Inventory Tool (ACEIT) Version 2.0

Member, ACI-NA Environmental Affairs Committee

Member, Air and Waste Management Association

Member, American Chemical Society

Publications

Billings, R., M. Majeed, and J. Pehrson. "Air Quality." *Critical Issues in Aviation and the Environment 2021*, Transportation Research Circular E-C271, Transportation Research Board, May 2021.

Gillette, W., B. Kim,, P. Lobo, and J. Pehrson. "Air Quality." *Critical Issues in Aviation and the Environment 2014*, Transportation Research Circular E-C184, Transportation Research Board, April 2014.

Guo, W. and J. Pehrson. "Case Study to Determine the Silt Content and Silt Loading of Unpaved and Paved Roads at Concrete Material Plants." Proceedings of the Air & Waste Management Association Annual Conference and Exhibition, June 2012.

Kim, B., J. Pehrson, and C.J. Sequeira. "Local Air Quality." *Critical Issues in Aviation and the Environment 2011*, Transportation Research Circular E-C148, Transportation Research Board, March 2011.

Gupta, M., B. Kim, J. Pehrson, and M. Vigilante. "Air Quality." *Critical Issues in Aviation and the Environment 2009*, Transportation Research Circular E-C138, Transportation Research Board, September 2009.

Guo, W., J. Pehrson, and V, Tino. "Short-Term NO_2 Modeled Concentrations Using ISC-OLM for A Commercial Airport." Proceedings of the Air &Waste Management Association Annual Conference and Exhibition, June 2006.

Pehrson, J.R. "Acting Now to Incorporate Air Quality Regulations in Airport Operations and Planning." CDM Smith, August 2005.

Pehrson, J. "The LAX Master Plan EIS/EIR." Airport Air Quality: Approaches, Basics, and Challenges, Institute of Transportation Studies, University of California, Berkeley, 2005.

Kenney, M. and J. Pehrson. "Hazardous Air Pollutants." Airport Air Quality: Approaches, Basics, and Challenges, Institute of Transportation Studies, University of California, Berkeley, 2005.

Raine, T., G. Pelletier, J. Pehrson, W. Guo, and V. Tino. "A Comparison of Air Toxics Dispersion Modeling Methodologies for Aircraft." Proceedings of the Air & Waste Management Association Annual Conference and Exhibition, June 2004.

Pehrson, J., W. Guo, T, Raine, V. Tino, and R. Johnson. "Toxic Air Contaminant Emissions from Aircraft – A Literature Review of Aircraft Engine Measurements." Proceedings of the Air & Waste Management Association Annual Conference and Exhibition, June 2003.

Wayson, R., G. Fleming, B. Kim, W. Eberhard, A. Brewer, J. Draper, J. Pehrson, and R. Johnson. "The Use of LIDAR to Characterize Aircraft Exhaust Plumes." Proceedings of the Air & Waste Management Association Annual Conference and Exhibition, June 2003.

Guo, W., J. Pehrson, T. Raine, J. LaVelle, and V. Tino. "A Preliminary Study and Analysis of Hazardous Air Pollutant Emissions from a Commercial Airport Using Dispersion Modeling and Source Speciation Profiles." Proceedings of the Air & Waste Management Association Annual Conference and Exhibition, June 2003.

Pehrson, J., R. Diaz, W. Guo, and V. Tino. “Comparison of Modeled to Monitored Air Pollutant Concentrations at a U.S. Airport.” Proceedings of the Air & Waste Management Association Annual Conference and Exhibition, June 2001.

Whitefield, P., D. Hagen, G. Siple, and J. Pehrson. “Estimation of Particle Emission Indices as a Function of Size for the LTO Cycle for Commercial Jet Engines.” Proceedings of the Air & Waste Management Association Annual Conference and Exhibition, June 2001.

Pehrson, J.R. and J.D. Chiou. “Emissions of Contaminated Fugitive Dust under Extreme (Non-Tornado) Wind Conditions.” Proceedings of the American Nuclear Society Best of D&D Conference, April 1996.