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March 5, 2025

SUBJECT: New Beatrice West Project Final EIR – Health Risk Assessment Appendix (State Clearing House No. 2020120119)

The City of Los Angeles issued a Final EIR for the New Beatrice West Project in February 2025. To address a comment included in Section 2.0 Response to Comments, of the Final EIR, the City prepared a health risk assessment (HRA). The HRA was inadvertently omitted as an appendix to the Final EIR but is attached to this memo.

Thank you,

Kathleen King

Kathleen King
City Planner

HEALTH RISK ASSESSMENT

Beatrice Street Project

Prepared by:

Eyestone Environmental, LLC

July 2024

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1.0 Executive Summary

1.1 Findings

This report provides an analysis of potential health risk impacts related to the proposed construction and operation of the Beatrice Street Project (Project) in the City of Los Angeles, California. The analysis identified the baseline condition around the Project and evaluated the incremental change in health risk concentration exposure from diesel exhaust/diesel particulate matter (DPM) emitted by heavy-duty construction equipment during construction and limited heavy-duty delivery trucks during operation¹ of the Project. The findings of the analysis are as follows:

- For carcinogenic exposures (construction and operational emissions), the increase in risk is calculated to be 1.5 in one million for residential uses, which is less than the applicable threshold of 10 in one million for sensitive receptors in close proximity to the Project Site, resulting in a less than significant impact.
- For chronic non-carcinogenic exposures (construction and operational emissions), the increase in the respiratory hazard index was estimated to be less than the applicable threshold of 1.0 for either chronic or acute effects at sensitive receptors in close proximity to the Project Site, resulting in a less than significant impact.

¹ *The Project would not support any land uses or activities that would involve the use, storage, or processing of carcinogenic toxic air contaminants. In addition, the proposed land uses would not generally involve the use of heavy-duty diesel trucks with the exception of occasional moving trucks, trash trucks or delivery trucks.*

2.0 Introduction

The Project includes the construction of a new eight-story office building with a total floor area of 199,500 square feet comprised of 196,100 square feet of office space and 3,400 square feet of ground floor commercial space. To be clear, this is not the type of project that the regulatory agencies, nor the applicable regulatory laws, require to produce a Health Risk Assessment (HRA) for adequate disclosure of potential air quality impacts pursuant to the California Environmental Quality Act (CEQA).

The California Air Pollution Control Officers Association (CAPCOA) Guidance Document for Health Risk Assessments for Proposed Land Use Projects (2009) (CAPCOA HRA Guidance) provides lead agencies with guidance regarding when and how an HRA should be prepared. It bases the risk assessment methodology on the procedures developed by the California Office of Environmental Health Hazard Assessment (OEHHA) to meet the mandates of the Air Toxics "Hot Spots" Information and Assessment Act (AB 2588). The CAPCOA HRA Guidance states that

There are basically two types of land use projects that have the potential to cause long-term public health risk impacts: Type A—land use projects with toxic emissions that impact receptors; and Type B land use projects that will place receptors in the vicinity of existing toxic sources. Type A project examples are combustion related power plants, gasoline dispensing facilities, asphalt batch plants, warehouse distribution centers, quarry operations, and other stationary sources that emit toxic substances. Type B project examples are project that place receptors near stationary sources, high traffic roads, freeways, rail yards, and ports.

Note that the Project does not qualify as either a Type A or Type B project. Therefore, per the CAPCOA HRA Guidance in effect when the Draft EIR for the Project was prepared, the lead agency did not include an HRA in the Draft EIR. Accordingly, this HRA was done voluntarily for informational purposes only to supplement the administrative record and respond to comments. This HRA further demonstrates that even if an HRA were necessary under applicable case law and regulatory guidance (which it is not) the Project would not have a significant air quality impact, including as to TAC impacts.

The OEHHA adopted the Air Toxics Hot Spots Program Guidance Manual for the Preparation of Risk Assessments (2003 Guidance Manual) in October of 2003. The

Guidance Manual was developed by OEHHA, in conjunction with the California Air Resources Board (CARB), for use in implementing the Air Toxics “Hot Spots” Program (Health and Safety Code Section 44360 et. seq.). The Air Toxics “Hot Spots” Program requires stationary sources to report the types and quantities of certain substances routinely released into the air. The goals of the Air Toxics “Hot Spots” Program are to collect emission data, to identify facilities having localized impacts, to ascertain health risks, to notify nearby residents of significant risks, and to reduce those significant risks to acceptable levels.

OEHHA adopted a new version of the Air Toxics Hot Spots Program Guidance Manual for the Preparation of Risk Assessments (2015 Guidance Manual) in March of 2015.² CARB acknowledges that the Guidance Manual does not include guidance for projects prepared under the auspices of CEQA and that it would be “handled by individual [Air Pollution Control] Districts.”³ As noted by CARB,

The Air Toxics "Hot Spots" Information and Assessment Act (AB 2588, 1987, Connelly) was enacted in September 1987. Under this, stationary sources are required to report the types and quantities of certain substances their facilities routinely release into the air. Emissions of interest are those that result from the routine operation of a facility or that are predictable, including but not limited to continuous and intermittent releases and process upsets or leaks....

The Act requires that toxic air emissions from stationary sources (facilities) be quantified and compiled into an inventory according to criteria and guidelines developed by the ARB, that each facility be prioritized to determine whether a risk assessment must be conducted, that the risk assessments be conducted according to methods developed by OEHHA....⁴

As reported above, applicability is associated with commercial and industrial operations. There are two broad classes of facilities subject to the AB 2588 Program: Core facilities and facilities identified within discrete industry-wide source categories. Core facilities subject to AB 2588 compliance are sources whose criteria pollutant emissions (particulate matter, oxides of sulfur, oxides of nitrogen, and volatile organic compounds) are 25 tons per year or more as well as those facilities whose criteria pollutant emissions

² Office of Environmental Health Hazard Assessment, *Air Toxicology and Epidemiology, Adoption of Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*. March 6, 2015, www.oehha.ca.gov/air/hot_spots/hotspots2015.html, accessed August 8, 2023..

³ CARB, *Risk Management Guidance for Stationary Sources of Air Toxics*, July 23, 2015, p. 19, www.arb.ca.gov/toxics/rma/rmgssat.pdf.

⁴ CARB, *Overview of the Air Toxics “Hot Spots” Information and Assessment Act* ww2.arb.ca.gov/overview-air-toxics-hot-spots-information-and-assessment-act, accessed August 8, 2023.

are 10 tons per year or more but less than 25 tons per year. Industry-wide source facilities are classified as smaller operations with relatively similar emission profiles (e.g., auto body shops, gas stations and dry cleaners using perchloroethylene). The emissions generated from the construction and subsequent occupancy of a mixed-use development project are not classified as core operations nor is it subject to industry-wide source evaluation.

The intent in developing the 2015 Guidance Manual was to provide HRA procedures for use in the Air Toxics Hot Spots Program or for the permitting of new or modified stationary sources. As noted above, the Project is not a new or modified stationary source that requires air quality permits to construct or operate. Air districts are to determine which facilities will prepare an HRA based on a prioritization process. The 2015 Guidance Manual provides recommendations related to cancer risk evaluation of short-term projects. As discussed in Section 8.2.10 of the 2015 Guidance Manual, “[t]he local air pollution control districts sometimes use the risk assessment guidelines for the Hot Spots program in permitting decisions for short-term projects such as construction or waste site remediation.” Short-term projects that would require a permitting decision by South Coast Air Quality Management District (SCAQMD) typically would be limited to site remediation (e.g., stationary soil vapor extractors) and certain other activities that are not applicable to the Project. As noted above, neither construction, nor operation, of the Project are subject to SCAQMD permitting requirements. Therefore, read in context, the Guidance Manual’s quoted statement from Section 8.2.10 regarding “short-term projects” does not apply to the Project. Additionally, the 2015 Guidance Manual does not provide specific recommendations for evaluation of short-term use of mobile sources (e.g., heavy-duty diesel construction equipment) that would be applicable to the Project.

Nonetheless, to be conservative, this HRA was prepared in part to analyze potential construction impacts. In addition, potential operational impacts, despite the fact that no considered stationary source is part of the Project’s land uses, were assessed for informational purposes given the limited use of heavy-duty trucks associated with occasional moving trucks, trash trucks and delivery trucks.

OEHHA’s 2015 Guidance Manual provides Age Sensitivity Factors (ASFs) to account for potential increased sensitivity of early-in-life exposure to carcinogens. For risk assessments conducted under the auspices of AB 2588, a weighting factor is applied to all carcinogens regardless of purported mechanism of action. In comments presented to the SCAQMD Governing Board (Meeting Date: June 5, 2015, Agenda No. 28) relating to toxic air contaminant exposures under Rules 1401 (New Source Review of Toxic Air Contaminants), 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.

SCAQMD, as a commenting agency, has not conducted public workshops nor developed policy relating to the applicability of applying the 2015 OEHHA guidance for projects prepared by other public/lead agencies subject to CEQA.

To emphasize variability in methodology for conducting HRAs, regulatory agencies throughout the State of California including the 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 health protective remediation levels are achieved have adopted the U.S. Environmental Protection Agency's (USEPA's) policy in the application of early-life exposure adjustments.

Specifically, USEPA guidance relating to the use of early life exposure adjustments (*Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens, EPA/630/R-003F*) 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 health risk assessments should carcinogenic compounds elicit a mutagenic mode of action.⁵ 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.⁶

Based on a review of relevant guidance on the applicability of the use of early life exposure adjustments to identified carcinogens, the use of these factors would not be applicable to this HRA as neither the Lead Agency nor SCAQMD have developed recommendations on whether these factors should be used for CEQA analyses of potential DPM construction or operational impacts. For this assessment, the HRA relied upon 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.” Therefore, early life exposure adjustments were not considered in this HRA.

Also, CARB published and adopted the *Air Quality and Land Use Handbook: A Community Health Perspective*, which provides recommendations regarding the siting of new sensitive land uses near potential sources of air toxic emissions (e.g., freeways, distribution centers, rail yards, ports, refineries, chrome plating facilities, dry cleaners, and gasoline dispensing facilities).⁷ SCAQMD adopted similar recommendations in its *Guidance Document for Addressing Air Quality Issues in General Plans and Local*

⁵ *United States Environmental Protection Agency, 2006. 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.*

⁶ *United States Environmental Protection Agency, National Center for Environmental Assessment, 2018. Integrated Risk Information System (IRIS). Diesel Engine Exhaust.*

⁷ *CARB, Air Quality and Land Use Handbook, a Community Health Perspective, April 2005.*

*Planning.*⁸ Together, the CARB and SCAQMD guidelines recommend siting distances for both the development of sensitive land uses in proximity to Toxic Air Contaminates (TAC) sources and the addition of new TAC sources in proximity to existing sensitive land uses. When considering potential air quality impacts under CEQA, consideration is given to the location of sensitive receptors within close proximity of land uses that emit TACs. Both CARB and SCAQMD guidelines recommend conducting an HRA when siting new sensitive land uses (e.g., residential uses) within 500 feet of a freeway. Applied here, the Project does not site new sensitive land uses near existing sources of air toxic emissions since the Project Site is more than 500 feet from any and all freeways, including the I-10, I-5, and US-101 freeways.

The primary sources of potential air toxics associated with Project operations include DPM from delivery trucks (e.g., truck traffic on local streets and idling on adjacent streets associated with occasional moving trucks, trash trucks, and delivery trucks). However, these activities, and the land uses associated with the Project, are not considered land uses that generate substantial TAC emissions based on review of the air toxic sources listed in SCAQMD's and CARB's guidelines. It should be noted that SCAQMD recommends that HRAs be conducted for substantial individual sources of DPM (e.g., truck stops and warehouse distribution facilities that generate more than 100 trucks per day or more than 40 trucks with operating transport refrigeration units) and has provided guidance for analyzing mobile source diesel emissions.⁹ Based on this guidance, the Project is not considered these types of land uses and is not considered to be a substantial source of operational DPM warranting a refined HRA since daily truck trips to the Project Site would not exceed 100 trucks per day or more than 40 trucks with operating transport refrigeration units. In addition, the CARB-mandated ATCM limits diesel-fueled commercial vehicles (delivery trucks) to idle for no more than 5 minutes at any given time, which would further limit diesel particulate emissions.

Although a construction and operational HRA is not required for the reasons discussed above, for informational purposes only, this HRA has been prepared to provide a good faith and reasoned response to public comments and to provide the City with additional substantial evidence that demonstrates that the Project would not create a significant health risk impact.

⁸ SCAQMD, *Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning*, May 6, 2005.

⁹ SCAQMD, *Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis*, 2003.

3.0 Health Risk Assessment

3.1 Project Description

The Project includes the construction of a new eight-story office building with a total floor area of 199,500 square feet comprised of 196,100 square feet of office space and 3,400 square feet of ground floor commercial space. This HRA accounts for all development described above (in both construction and operation phases) of both the initial phase of the Project and the future expansion phase.

Certain activities would emit DPM from heavy-duty trucks and heavy-duty equipment used during construction and to a lesser extent heavy-duty trucks accessing the Project Site during operation of the Project associated with occasional moving trucks, trash trucks and delivery trucks. CARB and OEHHA have classified DPM as a carcinogen. Existing adjacent uses consist of residential uses located north and east of the site.

3.2 The Assessment Process

The risk assessment process provided in OEHHA's 2003 Guidance Manual consists of four basic steps: (1) hazard identification; (2) exposure assessment; (3) dose-response assessment; and (4) risk characterization.¹⁰ In the first step, hazard identification involves determining the potential health effect which may be associated with emitted pollutants. The purpose is to identify qualitatively whether a pollutant is a potential human carcinogen or is associated with other types of adverse health effects. Depending on the chemical, these health effects may include short-term ailments or chronic diseases. The dose-response assessment is designed to characterize the relationship between the amount or dose of a chemical and its toxicological effect on the human body. Responses to toxic chemicals will vary depending on the amount and length of exposure. For example, short-term exposure to low concentrations of chemicals may produce no noticeable effect, but continued exposure to the same levels of chemicals over a long period of time may eventually cause harm. The purpose of the exposure assessment is to estimate the extent of exposure to each substance for which risk will be evaluated. This involves emission quantification, modeling of environmental transport, identification of chemicals of concern,

¹⁰ Office of Environmental Health Hazard Assessment, *The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*, August 2003, Page 1-6.

identification of exposure routes, identification of exposed populations, and estimation of long-term exposure levels. Risk characterization is an integration of the health effects and public exposure information developed for emitted pollutants to provide a quantitative probability of adverse health effects.

3.3 Source Identification and Characterization

3.3.1 Source Identification

As indicated above, the primary source of potential air toxics associated with the Project is DPM from heavy-duty trucks and heavy-duty construction equipment used during construction and to a lesser extent heavy-duty trucks accessing the Project Site during operation of the Project associated with occasional moving trucks, trash trucks and delivery trucks. SCAQMD recommends that an HRA be conducted for substantial sources of long-term DPM operational sources (e.g., truck stops and warehouse distribution facilities) and has provided guidance for analyzing mobile source diesel emissions.¹¹ While Project construction and operation would not represent a long-term source of DPM emissions under SCAQMD Guidance¹², SCAQMD Guidance was used for purposes of modeling parameters and assumptions.

3.3.2 Source Characterization

Construction

As described in detail in Section II, Project Description, of the Draft EIR, Project construction would commence with demolition of the existing uses, followed by grading and excavation for the subterranean parking garages. Building foundations would then be placed, followed by building construction, paving/concrete installation, and landscape installation. Project construction is anticipated to occur over approximately 18 months. It is estimated that approximately 59,000 cubic yards (cy) of soil would be hauled from the Project Site during the grading and excavation phase.

Total DPM emissions over the duration of Project construction were calculated using the SCAQMD recommended California Emissions Estimator Model (CalEEMod) and consistent with the methodology for calculating criteria pollutant emissions provided in Section IV.A, Air Quality, of the Draft EIR. The calculations of the emissions generated during Project construction activities reflect the types and quantities of construction

¹¹ SCAQMD, *Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Emissions*, August 2003.

¹² *Project construction is short term—18 months. Moreover, the Project is commercial and office uses, none of which are associated with significant heavy-duty truck use or significant DPM emissions.*

equipment and haul trucks that would be used to complete the proposed construction activities.

CalEEMod calculates annual emissions based on worst-case conditions occurring on a daily basis. This scenario would not represent real world conditions as construction activities and equipment would not be expected to operate at 100 percent on an average daily basis. Construction surveys prepared for CARB have documented that on a typical construction site, daily average equipment hours range from 2 to 7.5 hours (25 percent to 94 percent of an 8 hour work-day) depending on the type of equipment.¹³ Therefore, an adjustment was taken into account which assumes that annual average emissions would conservatively represent 80 percent of a worst-case day.

As an example, the heavy-duty construction equipment mix provided in the air quality analysis for the foundation phase reflects all equipment needed for the largest concrete pour day. Thus, average daily DPM emissions from building foundation would be substantially less since maximum pour days would not occur every day during that phase.

The Project is conservatively assumed to start construction in 2024 and to be completed by 2025. Based on SCAQMD factors, the construction equipment and truck fleet mix will emit less pollution in future years due to more stringent emissions control regulations. As construction activities for the Project are evaluated based on an earlier start date, the emissions presented are more conservative.

The calculation of DPM emissions was based on the Beatrice Street Construction Onsite CalEEMod output file provided in Appendix C, Air Quality and Greenhouse Gas Emissions, of the Draft EIR. It was assumed that all on-site (e.g., off-road equipment) equipment would be diesel and, therefore, on-site exhaust PM₁₀ emissions were included in this HRA as DPM. The CalEEMod output file is provided in Appendix A of this HRA.

Operation

As discussed above, the Project includes the construction of a new eight-story office building with a total floor area of 199,500 square feet comprised of 196,100 square feet of office space and 3,400 square feet of ground floor commercial space.

¹³ California Air Resources Board, *Characterization of the Off-Road Equipment Population*, December 2008.

A conservative estimate of the number of daily truck trips is provided below based on the National Cooperative Highway Research Program Truck Trip Generation Data.¹⁴

- Table D-2c of the NCHRP data (Trip Generation Summary—Daily Commercial Vehicle Trips per 1,000 sf of Building Space for Retail (includes restaurants)) provides an average of 0.324 truck trips per 1,000 sf or approximately 1.1 truck trips per day ((3,400 sf/1,000 sf) x 0.324 trips/1,000 sf/day) for the Project's commercial floor area. This assumes that all trucks would be diesel even though many retail/restaurant truck deliveries are from smaller gasoline or alternative energy source trucks (e.g., UPS or FedEx).
- Table D-2d of the NCHRP data (Trip Generation Summary—Daily Commercial Vehicle Trips per 1,000 sf of Building Space for Office and Services provides an average of 0.039 truck trips per 1,000 sf or approximately 7.6 truck trips per day ((196,100 sf/1,000 sf) x 0.039 trips/1,000 sf/day) for the Project's office use. It is conservatively assumed that all of these delivery trucks would be heavy-duty diesel trucks even though many residential truck deliveries are from smaller gasoline or alternative energy source trucks (e.g., UPS or FedEx).

Accordingly, the Project is conservatively estimated to generate approximately nine trucks per day during operation of which one truck associated with restaurant/retail land uses were assumed to include transportation refrigeration units (TRUs) or 10 percent of the 1.1 total trucks associated with restaurant/retail land uses.

Emissions from TRUs were estimated using the CARB Draft 2019 Emissions Inventory for Transportation Refrigeration Units.¹⁵ Emissions from delivery trucks travelling to and from the Project Site as well as idling were estimated using the CARB EMFAC2021 model.¹⁶ Trucks travelling to/from the loading docks generate emissions through truck engine idling, TRU operation and travelling.

Importantly, with respect to truck emissions associated with the operation of projects, SCAQMD recommends that HRAs be conducted for substantial sources of DPM for developments that include truck stops and warehouse distribution facilities that generate more than 100 trucks per day or more than 40 trucks with operating TRUs. In other words,

¹⁴ *National Cooperative Highway Research Program (NCHRP) Synthesis 298 Truck Trip Generation Data, 2001.*

¹⁵ *California Air Resources Board. Draft 2019 Update to Emissions Inventory for Transportation Refrigeration Units. October 2019.*

¹⁶ *Airborne Toxic Control Measure is set forth in title 13, CCR, section 2485 and requires that drivers of diesel-fueled commercial motor vehicles with gross vehicle weight ratings greater than 10,000 pound not idle the vehicle's primary diesel engine longer than five minutes at any location. 5-minute idle time applies to all heavy-duty truck – construction as well as operational trucks.*

SCAQMD has identified an amount of truck trips per day that could warrant conducting an HRA to analyze emissions and health risks. Projects with truck trips below the aforementioned amounts should not be considered a substantial source of DPM and HRAs are neither recommended nor required by the applicable regulatory documents. As set forth above, operational truck use is well below both of these benchmarks.

Specifically, the Project is not considered to be a substantial source of operational DPM warranting an HRA because there are only 9 daily truck trips to the Project Site (of which 1 is assumed to be TRUs), which is far below the either more-than-100-trucks-per-day or more-than-40-TRU-trucks-per-day that indicate when a project could be considered a substantial DPM source. Nonetheless, operational health risks from use of operational delivery trucks for the Project was evaluated for informational purposes and included in this HRA.

Note also that, based on SCAQMD guidance, there is no quantitative analysis required for future cancer risk within the vicinity of the Project because it is consistent with the recommendations regarding the siting of new sensitive land uses near potential sources of TAC emissions provided in the SCAQMD Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning.

3.3.3 Baseline and Identification of Chemicals of Concern

The Draft EIR identified the baseline of conditions around the Project Site and the ambient levels of TACs. SCAQMD released the fourth round of its Basin-wide Multiple Air Toxics Exposure Study (MATES V – Final Report) in April 2021. MATES V estimated the cancer risk from TAC emissions throughout the Basin by conducting a monitoring program, an updated emissions inventory of TACs, and a modeling effort to characterize health risks in the air basin. As part of MATES V, SCAQMD prepared an interactive map that shows estimates of cancer risks in the Basin from ambient levels of TACs based on the modeling effort to provide insight into relative risks. The map reports estimated cancer risks for discrete two-kilometer-by-two-kilometer grid cells. The cancer risk estimates reported there should not be interpreted as actual rates of disease in the exposed population, but rather as estimates of potential risk, based on a number of conservative assumptions. In general, MATES V indicates that the highest cancer risks from TACs are found near shipping ports, goods movement sources, and near freeways and other transportation corridors. MATES V identifies that the cancer risk is approximately 508 per one million at the Project Site. A figure in Appendix E to this HRA shows the MATES V Total Cancer Risk around Project Site. Compared to previous studies of air toxics in the Basin, the MATES V study found decreasing air toxics exposure from the analysis done in the MATES IV time period.

This HRA identifies the baseline condition and also identifies the actual additional risks due to certain emissions associated with the Project. Note that, as discussed above, the CAPCOA regulatory guidance adopted at the time the Draft EIR was prepared indicates that HRAs should assess Type A (toxic emissions) and Type B (placing receptors near existing toxic sources) projects with within the CEQA context. This HRA presents the incremental health risks analysis even though the Project does not qualify as either a Type A or Type B project. Accordingly, this voluntary HRA analysis is informational, further informs the public and decision makers, and confirms the analysis previously set forth in the Draft EIR, but it is not required pursuant to the laws in effect when the Draft EIR was prepared. Nonetheless, this HRA quantitatively evaluated DPM as a chemical of concern for potential health effects in two categories, carcinogenic and non-carcinogenic.

3.4 Exposure Quantification

Consistent with SCAQMD's Localized Significance Threshold Methodology (LST Guidelines), this HRA used USEPA's Regulatory Model AERMOD to assess the downwind extent of DPM concentrations from proposed construction and operational activities.¹⁷ AERMOD accounts for a variety of refined, site-specific conditions that facilitate an accurate assessment of Project impacts. AERMOD's air dispersion algorithms are based upon a planetary boundary layer turbulence structure and scaling concepts, including the treatment of surface and elevated sources in simple and complex terrain.

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. For the purpose of this HRA, construction exhaust emissions were assumed to take place over a 32-month (2.7 year) duration on weekdays between 7 A.M. to 3 P.M. (8-hour period). Operational exhaust emissions were assumed to take place 6-days per week between 7 A.M. to 3 P.M. (8-hour period) and included 15 minutes of idle time to account for ingress, egress, and travel on-site.¹⁸ These durations represent average workdays and, periodic changes to the construction hours would not modify the underlying conclusions of this analysis.

Air dispersion models require additional input parameters including local meteorology and receptors. Due to the sensitivity to individual meteorological parameters

¹⁷ SCAQMD, *Final-Localized Significance Threshold Methodology*, 2008.

¹⁸ 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.

such as wind speed and direction, the USEPA recommends that meteorological data used as input into dispersion models be selected on the basis of relative spatial and temporal conditions that exist in the area of concern. In response to this recommendation, meteorological data from the SCAQMD Central Los Angeles monitoring station (Source Receptor Area 1) were used to represent local weather conditions and prevailing winds.

Cartesian receptor grids were used to represent adjacent and nearby sensitive land uses. The Cartesian receptor grids were placed at each sensitive use with a built in 10 meter spacing for the nearby residential uses. All receptors were placed at ground level, which is recommended by SCAQMD for AERMOD modeling. Elevations for both sources and receptors were provided by the U.S. Geological Survey (USGS) and included using the AERMOD terrain processor AERMAP.

DPM modeled concentrations were used to calculate cancer risk and chronic hazard index at each relevant receptor. A graphical representation of the source-receptor grid network is presented in Appendix C.

3.5 Risk Characterization

3.5.1 Carcinogenic Chemical Risk

Health risks associated with exposure to carcinogenic compounds at sensitive land uses in close proximity to the Project can be defined in terms of the probability of developing cancer as a result of exposure to a chemical at a given concentration. Under a deterministic approach (i.e., point estimate methodology), the cancer risk probability is determined by multiplying the chemical's annual concentration by its unit risk factor (URF). The URF is a measure of the carcinogenic potential of a chemical when a dose is received through the inhalation pathway. It represents an upper bound estimate of the probability of contracting cancer as a result of continuous exposure to an ambient concentration of one microgram per cubic meter ($\mu\text{g}/\text{m}^3$) over a 70-year lifetime. SCAQMD recommends a threshold of ten in one million cancer risk for evaluating carcinogenic impacts at sensitive receptors.¹⁹

The equation used to calculate the potential excess cancer risk is:

$$\text{Risk}_i = C_i \times \text{CP}_i \times \text{DBR} \times \text{EVF}$$

Where:

¹⁹ SCAQMD, *Air Quality Significance Thresholds*, www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf?sfvrsn=2, accessed August 8, 2023.

$Risk_i$ = Lifetime Excess Cancer Risk from exposure to chemical_i
 C_i = Representative Air Concentration for chemical_i ($\mu\text{g}/\text{m}^3$)
 CP_i = Cancer Potency_i ($\text{mg}/\text{kg}\text{-day}$)⁻¹
 DBR = Daily Breathing Rate (L/kg body weight-day)
 EVF = Exposure Value Factor (unitless)

An estimate of an individual's incremental excess cancer risk from exposure to Project construction and operational DPM emissions is calculated by summing the chemical-specific excess cancer risks. In addition, cancer risk is evaluated based on the duration on which a sensitive receptor is exposed to DPM (exposure duration). Based on OEHHA guidelines, it is recommended that cancer risk analyses assume an exposure duration of 70-years for residential receptors.²⁰ The exposure duration takes into account the construction duration of 18 months during construction, and operational emissions occurring each year.

3.5.2 Non-Carcinogenic Chemical Risk

The potential for chronic non-carcinogenic health effects is evaluated by calculating the total hazard index (HI) for the Project construction and operational DPM emissions. This HI represents the sum of the hazard quotients (HQs) developed for each individual project-related chemical, where a HQ is the ratio of the representative air concentration of the chemical to the chemical specific non-cancer Reference Exposure Level (REL). The non-cancer RELs represent the daily average exposure concentration at (or below) which no adverse health effects are anticipated.

The equations used to calculate the chemical-specific HQs and HIs are:

$$\begin{aligned}
 HQ_i &= C_i/REL_i \\
 HI &= \sum HQ_i
 \end{aligned}$$

Where:

HQ_i = Hazard Quotient for chemical_i
 C_i = Average Daily Air Concentration for chemical_i ($\mu\text{g}/\text{m}^3$)
 REL_i = Noncancer Reference Exposure Level for chemical_i ($\mu\text{g}/\text{m}^3$)
 HI = Hazard Index

²⁰ *Air Toxics Hot Spots Program Risk Assessment Guidelines. Office of Environmental Health and Hazard Assessment. August 2003.*

SCAQMD recommends that the non-carcinogenic hazards of toxic air contaminants should not exceed a hazard index of 1.0 for either chronic or acute effects.²¹ Acute effects are due to short-term exposure, while chronic effects are due to long-term exposure to a substance. For chronic and acute risks, the hazard index is calculated as the summation of the hazard quotients for all chemicals to which an individual would be exposed. The acute hazard index was not quantified since an inhalation REL has not been determined by the OEHHA for DPM at the time of preparation of this HRA or the Draft EIR.

3.6 Conclusions

The results from 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 70-year exposure duration for residential receptors. 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 B and in Table 1 on page 17, the results of the HRA yields a maximum off-site individual cancer risk of 1.5 in a million for residential uses located south of the Project Site, across Beatrice Street (for combined construction and operational emissions).²² The maximum chronic risk of 0.032 occurs within this same residential receptor area. As the Project (construction and operational emissions, separate and cumulative) would not emit carcinogenic or toxic air contaminants that result in impacts which exceed the maximum individual cancer risk of ten in one million or the chronic index of 1.0, Project-related toxic emission impacts would be less than significant. This HRA accounts for all development described above (in both construction and operation phases) of both the initial phase of the Project and the future expansion phase.

²¹ SCAQMD, *Air Quality Significance Thresholds*, www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf?sfvrsn=2, accessed August 8, 2023.

²² *As combined emissions (construction and operations) are below significance thresholds, individual emissions (i.e., construction separate from operational emission) are necessarily below the significance thresholds and the thresholds are the same as between the two.*

Table 1
Health Risk Assessment (Combined Construction and Operational Emissions)

Risk	Significance Threshold	Calculated Risk	Significant Impact
Cancer Risk (Resident)	10 in 1 Million	1.5E-06 which denotes excess cases of cancer of 1.5 in one million	No
Non-Carcinogenic Risk (Maximum)	Chronic Index (HI) of 1.0	3.2E-02 which denotes an HI of 0.032	No

4.0 Uncertainty Assessment

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, SCAQMD does not recognize indoor adjustments for residential 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. A DPM exposure assessment showed that an average indoor concentration was 2.0 $\mu\text{g}/\text{m}^3$, compared with an outdoor concentration of 3.0 $\mu\text{g}/\text{m}^3$.²³
- 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 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 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

²³ SCAQMD, *Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Emissions*, 2002.

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 undisclosed impacts to human health. Concentrations reported in this report represent a conservative scenario that is likely an over estimation of actual pollutant concentrations.

Appendix A

Emissions Calculations

Beatrice Street

Construction Emissions (Annual Diesel Particulate Matter)

CalEEMod Output (tons/year)

Phase No.	Phase	Year	Mitigated	On/Off Site	Category	Exhaust PM10
1	Demolition	2024	Mitigated	On-site	Off-Road	0.010813406
2	Site Preparation	2024	Mitigated	On-site	Off-Road	0.003062613
3	Grading	2024	Mitigated	On-site	Off-Road	0.027268114
4	Foundation/Concrete Pou	2024	Mitigated	On-site	Off-Road	0.014068017
5	Building Construction	2024	Mitigated	On-site	Off-Road	0.047843743
5	Building Construction	2025	Mitigated	On-site	Off-Road	0.04951238
6	Paving	2025	Mitigated	On-site	Off-Road	0.001554581
7	Architectural Coating	2025	Mitigated	On-site	Off-Road	0.00000143

Annual Totals (tons)

Daily Max to Annual Ratio	80%	
Year	Totals (tons/year)	
2024	0.0824	
2025	0.0409	
Total	0.1233	
Construction Duration (years)	1.5	18-months
Hours per Day	8	
Seconds per Day	28,800	
Construction Duration (seconds)	15,768,000	
Annual Average Emission Rate (g/s)	0.0071	

Beatrice Street

Emergency Generator - Emissions Calculations

CalEEMod Output

Equipment Type	Exhaust PM10 (lbs/year)	
Emergency Generator - Diesel (HP Rating)	300	
Load Factor	0.73	CalEEMod Default
Hours per year	200	Likely permitted hours (SCAQMD Rule 1470)
Emission Factor (g/hp-hr)	0.01	Adjusted based on new SCAQMD Rule 1470 st
Emissions per Year (g)	438	
Days per Year	365	
Hours per Day	24	
Seconds per Year	31536000	
Emission Rate (g/s)	1.38889E-05	

Concentration Calculations

Scaler Concentration (ug/m3)	2.89
Emission Rate (g/s)	1.39E-05
Actual Concentration (ug/m3)	4.01E-05

Note: SCAQMD Rule 1470 was amended on October 1, 2021. Table 1 in SCAQMD Rule 1470 provides new PM emission standards for emergency generators located at sensitive receptors (e.g., residences) or within 50 meters from a sensitive receptor. Engines between 175 hp and 750 hp have a limit of 0.01 g/bhp-hr. Therefore, the emission rate for the emergency generator was updated to account for the amended rule.

Beatrice Street

Operational HRA - On-site Truck Emissions

Diesel Particulate Emission Factors - T7 Single Truck (EMFAC2021 - Year 2026)

Speed		g/mi	
5		0.0098	Idle emission factor
15		0.0067	On-site travel emission factor. T8 Tractor

Emissions Calculations (Loading Docks)

Land Use	TSF	Truck Trips/TSF	Truck Trips
Office and Hotel	196.1	0.039	7.6
Commercial	3.4	0.324	1.1
Total	199.5		9

National Cooperative Highway Research Program (NCHRP) Synthesis 298 Truck Trip Generation Data, 2001, http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_syn_298.pdf.

Transportation Northwest, Truck Trip Generation by Grocery Stores, Final Report TNW2010-04,

Parameter	Loading Dock	
Average Trucks per Day	9	
Days per Year	312	6 days per week
Trucks per Year	2,808	
Idle time per Truck (min)	15	5 minutes x 3 (enter, load)
Idle time per Truck (hrs)	0.25	
Idle time per year (hrs)	702	
Idle Emission Factor (g/hr)	0.0098	
Idle emissions per year (g)	6.91	
Annual Idle emission rate (g/s)	6.57E-07	8-hour operation

Transportation Refrigeration Unit (TRU)

Emission Rate (g/hr)	0.43	See TRU Emission Factor (
TRU Operation Time per Truck (hrs)	2	Duration of time at loading
Daily Number of Trucks with TRU	1	
Total Annual TRU Hours	626	6 days per week operation
Total Annual TRU Emissions (g)	266.7	
Annual TRU Emission Rate (g/s)	2.54E-05	8-hour operation
Total Emission Rate (g/s)	2.60E-05	AERMOD Input - Idle + Tra

Concentration Calculations

Loading Dock	
Scaler Concentration (ug/m3)	2.26
Emission Rate (g/s)	2.60E-05
Actual Concentration (ug/m3)	5.88E-05

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Beatrice Street - Construction Onsite
Construction Start Date	1/1/2024
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	8.20
Location	12553 Beatrice St, Los Angeles, CA 90066, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4429
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.20

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
General Office Building	196	1000sqft	2.37	196,100	31,233	0.00	—	—

High Turnover (Sit Down Restaurant)	3.40	1000sqft	0.00	3,400	0.00	0.00	—	—
Enclosed Parking with Elevator	811	Space	0.00	324,400	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Water	W-7	Adopt a Water Conservation Strategy
Waste	S-1/S-2	Implement Waste Reduction Plan

2. Emissions Summary

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—
2024	2.40	21.6	23.4	0.04	0.94	5.57	6.00	0.87	1.17	2.04
2025	31.2	23.6	25.6	0.04	0.91	2.60	3.51	0.84	0.26	1.10
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—
2024	2.62	23.7	26.7	0.04	1.08	5.34	6.42	0.99	1.17	2.04
2025	2.22	19.6	20.9	0.04	0.77	1.86	2.62	0.70	0.19	0.89
Average Daily	—	—	—	—	—	—	—	—	—	—
2024	1.53	14.0	14.3	0.02	0.56	2.59	3.15	0.52	0.40	0.92
2025	5.89	7.21	7.68	0.01	0.28	0.73	1.01	0.26	0.07	0.33
Annual	—	—	—	—	—	—	—	—	—	—
2024	0.28	2.56	2.61	< 0.005	0.10	0.47	0.58	0.09	0.07	0.17

2025	1.07	1.32	1.40	< 0.005	0.05	0.13	0.18	0.05	0.01	0.06
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2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—
2024	2.40	21.6	23.4	0.04	0.94	5.57	6.00	0.87	1.17	2.04
2025	31.2	23.6	25.6	0.04	0.91	2.60	3.51	0.84	0.26	1.10
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—
2024	2.62	23.7	26.7	0.04	1.08	5.34	6.42	0.99	1.17	2.04
2025	2.22	19.6	20.9	0.04	0.77	1.86	2.62	0.70	0.19	0.89
Average Daily	—	—	—	—	—	—	—	—	—	—
2024	1.53	14.0	14.3	0.02	0.56	2.59	3.15	0.52	0.40	0.92
2025	5.89	7.21	7.68	0.01	0.28	0.73	1.01	0.26	0.07	0.33
Annual	—	—	—	—	—	—	—	—	—	—
2024	0.28	2.56	2.61	< 0.005	0.10	0.47	0.58	0.09	0.07	0.17
2025	1.07	1.32	1.40	< 0.005	0.05	0.13	0.18	0.05	0.01	0.06

3. Construction Emissions Details

3.1. Demolition (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—

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Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Off-Road Equipment	2.60	23.1	26.3	0.04	1.08	—	—	1.08	0.99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.99		
Demolition	—	—	—	—	—	—	—	4.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.70		
Onsite truck	0.02	0.57	0.42	< 0.005	< 0.005	< 0.005	< 0.005	0.71	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.07	0.07		
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Off-Road Equipment	0.14	1.27	1.44	< 0.005	0.06	—	—	0.25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05		
Demolition	—	—	—	—	—	—	—	0.25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04		
Onsite truck	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Off-Road Equipment	0.03	0.23	0.26	< 0.005	0.01	—	—	—	< 0.005	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01		
Demolition	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Onsite truck	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005		
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Demolition (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.60	23.1	26.3	0.04	1.08	—	1.08	0.99	—	0.99
Demolition	—	—	—	—	—	4.63	4.63	—	0.70	0.70
Onsite truck	0.02	0.57	0.42	< 0.005	< 0.005	0.71	0.71	< 0.005	0.07	0.07
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	1.27	1.44	< 0.005	0.06	—	0.06	0.05	—	0.05
Demolition	—	—	—	—	—	0.25	0.25	—	0.04	0.04
Onsite truck	< 0.005	0.03	0.02	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.23	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01
Demolition	—	—	—	—	—	0.05	0.05	—	0.01	0.01
Onsite truck	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Site Preparation (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.41	13.4	13.5	0.02	0.61	—	0.61	0.56	—	0.56
Dust From Material Movement	—	—	—	—	—	1.70	1.70	—	0.88	0.88
Onsite truck	0.01	0.20	0.16	< 0.005	< 0.005	0.37	0.37	< 0.005	0.04	0.04
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.37	0.37	< 0.005	0.02	—	0.02	0.02	—	0.02

Dust From Material Movement	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Onsite truck	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.07	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dust From Material Movement	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Site Preparation (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

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Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.41	13.4	13.5	0.02	0.61	—	0.61	0.56	—	0.56
Dust From Material Movement	—	—	—	—	—	1.70	1.70	—	0.88	0.88
Onsite truck	0.01	0.20	0.16	< 0.005	< 0.005	0.37	0.37	< 0.005	0.04	0.04
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.37	—	< 0.005	0.02	—	0.02	0.02	—	0.02
Dust From Material Movement	—	—	—	—	—	0.05	0.05	—	0.02	0.02
Onsite truck	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.07	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.20	19.4	21.8	0.03	0.94	—	0.94	0.86	—	0.86
Dust From Material Movement	—	—	—	—	—	1.86	1.86	—	0.89	0.89
Onsite truck	0.10	2.15	1.60	< 0.005	< 0.005	2.78	2.78	< 0.005	0.28	0.28
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.20	19.4	21.8	0.03	0.94	—	0.94	0.86	—	0.86
Dust From Material Movement	—	—	—	—	—	1.86	1.86	—	0.89	0.89

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Onsite truck	0.09	2.25	1.65	< 0.005	< 0.005	2.78	2.78	< 0.005	0.28	0.28
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	3.08	3.47	0.01	0.15	—	0.15	0.14	—	0.14
Dust From Material Movement	—	—	—	—	—	0.30	0.30	—	0.14	0.14
Onsite truck	0.01	0.35	0.26	< 0.005	< 0.005	0.43	0.43	< 0.005	0.04	0.04
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.56	0.63	< 0.005	0.03	—	0.03	0.03	—	0.03
Dust From Material Movement	—	—	—	—	—	0.05	0.05	—	0.03	0.03
Onsite truck	< 0.005	0.06	0.05	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Grading (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.20	19.4	21.8	0.03	0.94	—	0.94	0.86	—	0.86
Dust From Material Movement	—	—	—	—	—	1.86	1.86	—	0.89	0.89
Onsite truck	0.10	2.15	1.60	< 0.005	< 0.005	2.78	2.78	< 0.005	0.28	0.28
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.20	19.4	21.8	0.03	0.94	—	0.94	0.86	—	0.86
Dust From Material Movement	—	—	—	—	—	1.86	1.86	—	0.89	0.89
Onsite truck	0.09	2.25	1.65	< 0.005	< 0.005	2.78	2.78	< 0.005	0.28	0.28
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	3.08	3.47	0.01	0.15	—	0.15	0.14	—	0.14
Dust From Material Movement	—	—	—	—	—	0.30	0.30	—	0.14	0.14

Onsite truck	0.01	0.35	0.26	< 0.005	< 0.005	0.43	0.43	< 0.005	0.04	0.04
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.56	0.63	< 0.005	0.03	0.03	0.03	0.03	—	0.03
Dust From Material Movement	—	—	—	—	—	0.05	0.05	—	0.03	0.03
Onsite truck	< 0.005	0.06	0.05	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Foundation/Concrete Pour (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.29	10.9	10.4	0.02	0.43	—	0.43	0.40	—	0.40
Onsite truck	0.19	4.30	3.19	0.01	< 0.005	5.57	5.57	< 0.005	0.56	0.56
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	1.94	1.86	< 0.005	0.08	—	0.08	0.07	—	0.07
Onsite truck	0.03	0.78	0.58	< 0.005	< 0.005	0.97	0.97	< 0.005	0.10	0.10
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.35	0.34	< 0.005	0.01	—	0.01	0.01	—	0.01
Onsite truck	0.01	0.14	0.11	< 0.005	< 0.005	0.18	0.18	< 0.005	0.02	0.02
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Foundation/Concrete Pour (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.29	10.9	10.4	0.02	0.43	—	0.43	0.40	—	0.40
Onsite truck	0.19	4.30	3.19	0.01	< 0.005	5.57	5.57	< 0.005	0.56	0.56
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	1.94	1.86	< 0.005	0.08	—	0.08	0.07	—	0.07
Onsite truck	0.03	0.78	0.58	< 0.005	< 0.005	0.97	0.97	< 0.005	0.10	0.10
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.35	0.34	< 0.005	0.01	—	0.01	0.01	—	0.01
Onsite truck	0.01	0.14	0.11	< 0.005	< 0.005	0.18	0.18	< 0.005	0.02	0.02
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.33	19.2	20.0	0.04	0.88	—	0.88	0.81	—	0.81
Onsite truck	0.06	1.43	1.06	< 0.005	< 0.005	1.86	1.86	< 0.005	0.19	0.19
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.33	19.2	20.0	0.04	0.88	—	0.88	0.81	—	0.81
Onsite truck	0.06	1.50	1.10	< 0.005	< 0.005	1.86	1.86	< 0.005	0.19	0.19
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.70	5.75	5.98	0.01	0.26	—	0.26	0.24	—	0.24

Onsite truck	0.02	0.44	0.32	< 0.005	< 0.005	0.54	0.54	< 0.005	0.05	0.05
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.05	1.09	< 0.005	< 0.005	—	0.05	0.04	—	0.04
Onsite truck	< 0.005	0.08	0.06	< 0.005	< 0.005	0.10	0.10	< 0.005	0.01	0.01
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
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Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.33	19.2	20.0	0.04	0.88	—	0.88	—	0.81	—	0.81	—	0.81	—	0.81	—	0.81
Onsite truck	0.06	1.43	1.06	< 0.005	< 0.005	1.86	1.86	< 0.005	< 0.005	0.19	< 0.005	0.19	< 0.005	0.19	< 0.005	0.19	0.19
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.33	19.2	20.0	0.04	0.88	—	0.88	—	0.81	—	0.81	—	0.81	—	0.81	—	0.81
Onsite truck	0.06	1.50	1.10	< 0.005	< 0.005	1.86	1.86	< 0.005	< 0.005	0.19	< 0.005	0.19	< 0.005	0.19	< 0.005	0.19	0.19
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.70	5.75	5.98	0.01	0.26	—	0.26	—	0.24	—	0.24	—	0.24	—	0.24	—	0.24
Onsite truck	0.02	0.44	0.32	< 0.005	< 0.005	0.54	0.54	< 0.005	< 0.005	0.05	< 0.005	0.05	< 0.005	0.05	< 0.005	0.05	0.05
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.05	1.09	< 0.005	0.05	—	0.05	< 0.005	0.04	—	0.04	< 0.005	0.04	—	0.04	< 0.005	0.04
Onsite truck	< 0.005	0.08	0.06	< 0.005	< 0.005	0.10	0.10	< 0.005	< 0.005	0.01	< 0.005	0.01	< 0.005	0.01	< 0.005	0.01	0.01
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.1.1. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.17	18.1	19.8	0.04	0.77	—	0.77	0.70	—	0.70
Onsite truck	0.06	1.42	1.06	< 0.005	< 0.005	1.86	1.86	< 0.005	0.19	0.19
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.17	18.1	19.8	0.04	0.77	—	0.77	0.70	—	0.70
Onsite truck	0.06	1.49	1.10	< 0.005	< 0.005	1.86	1.86	< 0.005	0.19	0.19
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	6.43	7.00	0.01	0.27	—	0.27	0.25	—	0.25
Onsite truck	0.02	0.51	0.38	< 0.005	< 0.005	0.64	0.64	< 0.005	0.06	0.06
Annual	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.14	1.17	1.28	< 0.005	0.05	—	0.05	0.05	—	0.05
Onsite truck	< 0.005	0.09	0.07	< 0.005	< 0.005	0.12	0.12	< 0.005	0.01	0.01
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	2.17	18.1	19.8	0.04	0.77	—	0.77	0.70	—	0.70
Onsite truck	0.06	1.42	1.06	< 0.005	< 0.005	1.86	1.86	< 0.005	0.19	0.19
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.17	18.1	19.8	0.04	0.77	—	0.77	0.70	—	0.70
Onsite truck	0.06	1.49	1.10	< 0.005	< 0.005	1.86	1.86	< 0.005	0.19	0.19
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	6.43	7.00	0.01	0.27	—	0.27	0.25	—	0.25
Onsite truck	0.02	0.51	0.38	< 0.005	< 0.005	0.64	0.64	< 0.005	0.06	0.06
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	1.17	1.28	< 0.005	0.05	—	0.05	0.05	—	0.05
Onsite truck	< 0.005	0.09	0.07	< 0.005	< 0.005	0.12	0.12	< 0.005	0.01	0.01
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Paving (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	3.43	4.37	0.01	0.15	—	0.15	0.14	—	0.14
Paving	0.00	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.28	0.21	< 0.005	< 0.005	0.37	0.37	< 0.005	0.04	0.04
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.20	0.25	< 0.005	0.01	—	0.01	0.01	—	0.01
Paving	0.00	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Paving	0.00	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Offsite	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Paving (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	3.43	4.37	0.01	0.15	—	0.15	0.14	—	0.14
Paving	0.00	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.28	0.21	< 0.005	< 0.005	0.37	0.37	< 0.005	0.04	0.04
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.03	0.20	0.25	< 0.005	0.01	—	0.01	0.01	—	0.01	—	0.01
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Annual	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	< 0.005
Paving	0.00	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Offsite	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Architectural Coating (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
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Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	28.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.28	0.21	< 0.005	< 0.005	0.37	0.37	< 0.005	0.04	0.04	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	0.04	0.04	0.04
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	5.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.05	0.04	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	0.01
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.92	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Architectural Coating (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	28.5	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.28	0.21	< 0.005	< 0.005	0.37	0.37	< 0.005	0.04	0.04
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	5.07	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.05	0.04	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.01
Annual	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.92	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—

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Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	1.00	8.00	158	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Demolition	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Demolition	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Site Preparation	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Site Preparation	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Site Preparation	Bore/Drill Rigs	Diesel	Average	1.00	8.00	83.0	0.50
Grading	Excavators	Diesel	Average	1.00	8.00	158	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
Grading	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Grading	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Foundation/Concrete Pour	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Foundation/Concrete Pour	Cranes	Diesel	Average	1.00	8.00	367	0.29
Foundation/Concrete Pour	Pumps	Diesel	Average	4.00	8.00	11.0	0.74
Foundation/Concrete Pour	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Foundation/Concrete Pour	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Building Construction	Forklifts	Diesel	Average	2.00	8.00	82.0	0.20

Building Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction	Aerial Lifts	Diesel	Average	1.00	8.00	46.0	0.31
Building Construction	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Building Construction	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Building Construction	Crawler Tractors	Diesel	Average	1.00	8.00	87.0	0.43
Building Construction	Dumpers/Tenders	Diesel	Average	1.00	8.00	16.0	0.38
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Pumps	Diesel	Average	1.00	8.00	11.0	0.74
Building Construction	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	1.00	8.00	36.0	0.38
Paving	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Other Construction Equipment	Diesel	Average	2.00	8.00	82.0	0.42
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	1.00	8.00	158	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Demolition	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Demolition	Welders	Diesel	Average	2.00	8.00	46.0	0.45

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Site Preparation	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Site Preparation	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Site Preparation	Bore/Drill Rigs	Diesel	Average	1.00	8.00	83.0	0.50
Grading	Excavators	Diesel	Average	1.00	8.00	158	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
Grading	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Grading	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Foundation/Concrete Pour	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Foundation/Concrete Pour	Cranes	Diesel	Average	1.00	8.00	367	0.29
Foundation/Concrete Pour	Pumps	Diesel	Average	4.00	8.00	11.0	0.74
Foundation/Concrete Pour	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Foundation/Concrete Pour	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Building Construction	Forklifts	Diesel	Average	2.00	8.00	82.0	0.20
Building Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction	Aerial Lifts	Diesel	Average	1.00	8.00	46.0	0.31
Building Construction	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Building Construction	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Building Construction	Crawler Tractors	Diesel	Average	1.00	8.00	87.0	0.43
Building Construction	Dumpers/Tenders	Diesel	Average	1.00	8.00	16.0	0.38

Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Pumps	Diesel	Average	1.00	8.00	11.0	0.74
Building Construction	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	1.00	8.00	36.0	0.38
Paving	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	0.00	18.5	LDA,LDT1,LDT2
Demolition	Vendor	0.00	10.2	HHDT,MHDT
Demolition	Hauling	0.00	36.8	HHDT
Demolition	Onsite truck	38.0	0.05	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	0.00	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	0.00	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	20.0	0.05	HHDT,MHDT
Grading	—	—	—	—
Grading	Worker	0.00	18.5	LDA,LDT1,LDT2
Grading	Vendor	0.00	10.2	HHDT,MHDT
Grading	Hauling	0.00	36.8	HHDT

Grading	Onsite truck	150	0.05	HHDT
Foundation/Concrete Pour	—	—	—	—
Foundation/Concrete Pour	Worker	0.00	18.5	LDA,LDT1,LDT2
Foundation/Concrete Pour	Vendor	0.00	10.2	MHDT
Foundation/Concrete Pour	Hauling	0.00	20.0	HHDT
Foundation/Concrete Pour	Onsite truck	300	0.05	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	18.5	LDA,LDT1,LDT2
Paving	Vendor	0.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	20.0	0.05	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	20.0	0.05	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	0.00	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	100	0.05	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	0.00	18.5	LDA,LDT1,LDT2
Demolition	Vendor	0.00	10.2	HHDT,MHDT

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Demolition	Hauling	0.00	36.8	HHDT
Demolition	Onsite truck	38.0	0.05	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	0.00	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	0.00	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	20.0	0.05	HHDT,MHDT
Grading	—	—	—	—
Grading	Worker	0.00	18.5	LDA,LDT1,LDT2
Grading	Vendor	0.00	10.2	HHDT,MHDT
Grading	Hauling	0.00	36.8	HHDT
Grading	Onsite truck	150	0.05	HHDT
Foundation/Concrete Pour	—	—	—	—
Foundation/Concrete Pour	Worker	0.00	18.5	LDA,LDT1,LDT2
Foundation/Concrete Pour	Vendor	0.00	10.2	MHDT
Foundation/Concrete Pour	Hauling	0.00	20.0	HHDT
Foundation/Concrete Pour	Onsite truck	300	0.05	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	18.5	LDA,LDT1,LDT2
Paving	Vendor	0.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	20.0	0.05	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	20.0	0.05	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	20.0	0.05	HHDT

Building Construction	—	—	—	—
Building Construction	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	0.00	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	100	0.05	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	299,250	99,750	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	6,662	—
Site Preparation	0.00	0.00	5.00	0.00	—
Grading	0.00	59,000	58.0	0.00	—
Paving	0.00	0.00	0.00	0.00	0.00

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
General Office Building	0.00	0%
High Turnover (Sit Down Restaurant)	0.00	0%
Enclosed Parking with Elevator	0.00	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	521	0.05	0.01
2025	0.00	498	0.05	0.01

8. User Changes to Default Data

Screen	Justification
Characteristics: Utility Information	SB 100
Land Use	Site Specific
Construction: Construction Phases	Site Specific
Construction: Off-Road Equipment	Site Specific
Construction: Trips and VMT	Site Specific
Construction: Electricity	LADWP RPS for 2024 and 2025

Appendix B

Carcinogenic and Non-Carcinogenic Risk Calculations

Beatrice Street - Health Risk Assessment

Cancer Risk Calculations

Residential Receptor - 70 year Exposure Duration

Diesel Particulate Matter Emission Rate Calculation / Scaler	Construction	Operations
Year -->	2024-2025	2025-2092
Average Annual Emission Rate (g/s) ^a	7.09E-03	-
Scaler Concentration (ug/m3) ^b	22.46	-
Diesel Particulate Concentration (ug/m3)	0.159	9.90E-05

Cancer Risk Calculations - DPM

Parameter	2024-2025	2025-2092	Total
Breathing Rate	393	393	
Exposure Frequency (EF)	350	350	
Exposure Duration (ED) (years)	1.50	68.50	70
AT	25550	25550	
70-Year (Lifetime) Concentration (ug/m3)	1.59E-01	9.90E-05	
70-Year (Lifetime) Dose (mg/kg-d)	6.00E-05	3.73E-08	
Carcinogen Potency (CPF) (mg/kg-d) ⁻¹			
- Diesel Particulate Matter	1.1	1.1	
Cancer Risk	1.42E-06	4.01E-08	1.46E-06
Risk per Million (DPM)	1.4	0.04	1.5

^a Emissions based on a 4-year average

^b Scaler concentration based on an AERMOD emission rate of 1 g/s, 8-hours per day

Chronic Risk Calculations - DPM

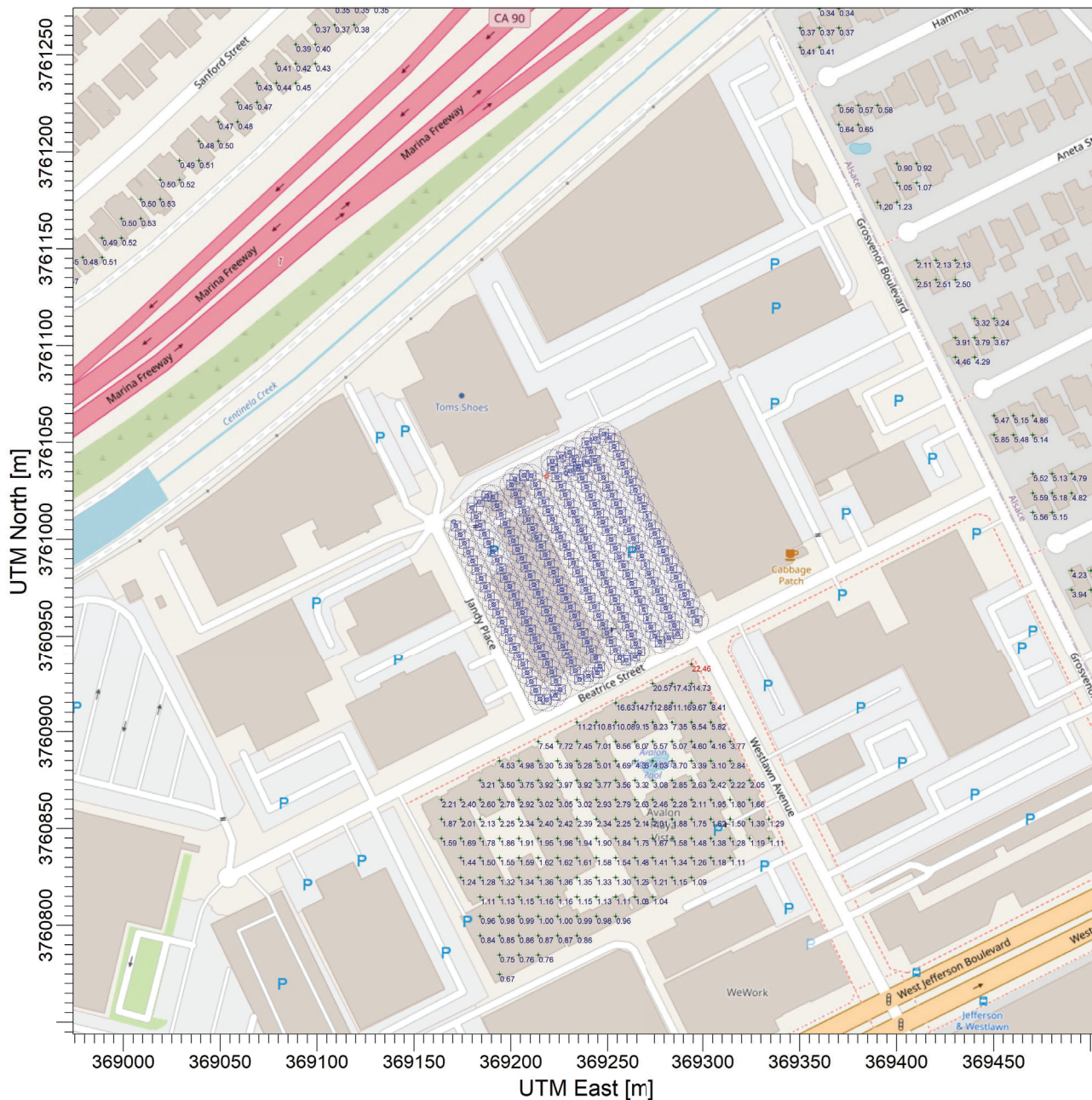
Receptor	Annual Concentration (ug/m3)	Chronic Inhalation REL (ug/m3)	Chronic Risk (HI)
Residential	1.6E-01	5	3.2E-02

Appendix C

AERMOD Source Receptor Configuration and Output File

PROJECT TITLE:

C:\Users\M.McPherson\Desktop\Beatrice Street\Beatrice Street.isc



COMMENTS:

SOURCES:

3

COMPANY NAME:

RECEPTORS:

299

MODELER:

OUTPUT TYPE:

Concentration

SCALE:

1:3,334

0

0.1 km

MAX:

22.5 ug/m^3

DATE:

3/6/2024

PROJECT NO.:

Beatrice Street Health Risk Assessment - AERMOD Output File

```

** Lakes Environmental AERMOD MPI                ** Elevated
**                                               ** Vertical Dimension = 5.00
*****                                         ** SZINIT = 1.16
*                                               ** Nodes = 18
**                                               ** 369170.528, 3761009.250, 6.66, 3.66,
** AERMOD Input Produced by:                 2.33
** AERMOD View Ver. 11.2.0                   ** 369215.695, 3760915.121, 7.00, 3.66,
** Lakes Environmental Software Inc.           2.33
** Date: 2/29/2024                            ** 369226.059, 3760920.455, 7.02, 3.66,
** File:                                       2.33
C:\Users\M.McPherson\Desktop\Beatrice        ** 369179.773, 3761016.442, 6.67, 3.66,
Street\Beatrice Street.ADI                   2.33
**                                             ** 369189.638, 3761024.114, 6.86, 3.66,
*****                                         2.33
*                                               ** 369235.432, 3760926.851, 7.20, 3.66,
**                                             2.33
**                                             ** 369246.967, 3760931.354, 7.48, 3.66,
*****                                         2.33
*                                               ** 369199.394, 3761030.063, 6.82, 3.66,
** AERMOD Control Pathway                   2.33
*****                                         ** 369209.729, 3761034.390, 6.97, 3.66,
*                                               2.33
**                                             ** 369257.161, 3760935.974, 7.56, 3.66,
**                                             2.33
CO STARTING                                  ** 369267.155, 3760940.348, 7.54, 3.66,
  TITLEONE                                  2.33
C:\Users\M.McPherson\Desktop\Beatrice        ** 369220.061, 3761039.799, 7.29, 3.66,
Street\Beatrice Street.isc                   2.33
  MODELOPT DEFAULT CONC                     ** 369230.604, 3761045.030, 7.54, 3.66,
  AVERTIME PERIOD                            2.33
  URBANOPT 9818605                           ** 369276.792, 3760946.751, 7.42, 3.66,
  POLLUTID DPM                               2.33
  RUNORNOT RUN                               ** 369287.306, 3760951.476, 7.42, 3.66,
  ERRORFIL "Beatrice Street.err"            2.33
CO FINISHED                                  ** 369239.056, 3761049.774, 7.70, 3.66,
**                                             2.33
*****                                         ** 369249.705, 3761055.320, 8.04, 3.66,
*                                               2.33
** AERMOD Source Pathway                     ** 369298.842, 3760954.262, 7.56, 3.66,
*****                                         2.33
*                                               ** -----
**                                             -----
**                                             LOCATION L0009489      VOLUME
SO STARTING                                  369171.610 3761006.996 6.63
** Source Location **                         LOCATION L0009490      VOLUME
** Source ID - Type - X Coord. - Y           369173.773 3761002.488 6.67
Coord. **                                     LOCATION L0009491      VOLUME
** -----                                  369175.936 3760997.980 6.68
-----                                       LOCATION L0009492      VOLUME
** Line Source Represented by Adjacent       369178.099 3760993.472 6.67
Volume Sources                               LOCATION L0009493      VOLUME
** LINE VOLUME Source ID = SLINE1           369180.262 3760988.964 6.73
** DESCRSRC Construction                     LOCATION L0009494      VOLUME
** PREFIX                                     369182.425 3760984.456 6.82
** Length of Side = 5.00                     LOCATION L0009495      VOLUME
** Configuration = Adjacent                 369184.588 3760979.949 6.92
** Emission Rate = 1.0

```

Beatrice Street Health Risk Assessment - AERMOD Output File

LOCATION	L0009496	VOLUME	LOCATION	L0009524	VOLUME
369186.751	3760975.441	7.02	369199.373	3760975.796	7.46
LOCATION	L0009497	VOLUME	LOCATION	L0009525	VOLUME
369188.914	3760970.933	7.10	369197.201	3760980.300	7.40
LOCATION	L0009498	VOLUME	LOCATION	L0009526	VOLUME
369191.077	3760966.425	7.17	369195.029	3760984.804	7.28
LOCATION	L0009499	VOLUME	LOCATION	L0009527	VOLUME
369193.240	3760961.917	7.22	369192.858	3760989.308	7.17
LOCATION	L0009500	VOLUME	LOCATION	L0009528	VOLUME
369195.403	3760957.409	7.26	369190.686	3760993.811	7.06
LOCATION	L0009501	VOLUME	LOCATION	L0009529	VOLUME
369197.566	3760952.901	7.27	369188.514	3760998.315	6.96
LOCATION	L0009502	VOLUME	LOCATION	L0009530	VOLUME
369199.729	3760948.393	7.27	369186.342	3761002.819	6.88
LOCATION	L0009503	VOLUME	LOCATION	L0009531	VOLUME
369201.893	3760943.885	7.24	369184.171	3761007.322	6.80
LOCATION	L0009504	VOLUME	LOCATION	L0009532	VOLUME
369204.056	3760939.377	7.19	369181.999	3761011.826	6.73
LOCATION	L0009505	VOLUME	LOCATION	L0009533	VOLUME
369206.219	3760934.870	7.15	369179.827	3761016.330	6.71
LOCATION	L0009506	VOLUME	LOCATION	L0009534	VOLUME
369208.382	3760930.362	7.10	369183.622	3761019.435	6.80
LOCATION	L0009507	VOLUME	LOCATION	L0009535	VOLUME
369210.545	3760925.854	7.04	369187.569	3761022.505	6.87
LOCATION	L0009508	VOLUME	LOCATION	L0009536	VOLUME
369212.708	3760921.346	6.98	369190.651	3761021.962	6.92
LOCATION	L0009509	VOLUME	LOCATION	L0009537	VOLUME
369214.871	3760916.838	6.97	369192.781	3761017.438	6.97
LOCATION	L0009510	VOLUME	LOCATION	L0009538	VOLUME
369218.447	3760916.537	6.99	369194.911	3761012.914	7.04
LOCATION	L0009511	VOLUME	LOCATION	L0009539	VOLUME
369222.893	3760918.825	6.99	369197.041	3761008.391	7.14
LOCATION	L0009512	VOLUME	LOCATION	L0009540	VOLUME
369225.433	3760921.752	7.07	369199.171	3761003.867	7.24
LOCATION	L0009513	VOLUME	LOCATION	L0009541	VOLUME
369223.262	3760926.255	7.15	369201.301	3760999.343	7.35
LOCATION	L0009514	VOLUME	LOCATION	L0009542	VOLUME
369221.090	3760930.759	7.23	369203.431	3760994.820	7.47
LOCATION	L0009515	VOLUME	LOCATION	L0009543	VOLUME
369218.918	3760935.263	7.30	369205.560	3760990.296	7.57
LOCATION	L0009516	VOLUME	LOCATION	L0009544	VOLUME
369216.747	3760939.766	7.36	369207.690	3760985.772	7.63
LOCATION	L0009517	VOLUME	LOCATION	L0009545	VOLUME
369214.575	3760944.270	7.41	369209.820	3760981.249	7.70
LOCATION	L0009518	VOLUME	LOCATION	L0009546	VOLUME
369212.403	3760948.774	7.46	369211.950	3760976.725	7.69
LOCATION	L0009519	VOLUME	LOCATION	L0009547	VOLUME
369210.231	3760953.278	7.47	369214.080	3760972.201	7.66
LOCATION	L0009520	VOLUME	LOCATION	L0009548	VOLUME
369208.060	3760957.781	7.48	369216.210	3760967.677	7.65
LOCATION	L0009521	VOLUME	LOCATION	L0009549	VOLUME
369205.888	3760962.285	7.50	369218.340	3760963.154	7.64
LOCATION	L0009522	VOLUME	LOCATION	L0009550	VOLUME
369203.716	3760966.789	7.52	369220.470	3760958.630	7.65
LOCATION	L0009523	VOLUME	LOCATION	L0009551	VOLUME
369201.544	3760971.293	7.50	369222.600	3760954.106	7.66

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LOCATION	L0009552	VOLUME	LOCATION	L0009580	VOLUME
369224.729	3760949.583	7.67	369202.469	3761023.683	7.08
LOCATION	L0009553	VOLUME	LOCATION	L0009581	VOLUME
369226.859	3760945.059	7.61	369200.298	3761028.187	7.00
LOCATION	L0009554	VOLUME	LOCATION	L0009582	VOLUME
369228.989	3760940.535	7.54	369202.085	3761031.190	6.98
LOCATION	L0009555	VOLUME	LOCATION	L0009583	VOLUME
369231.119	3760936.012	7.44	369206.697	3761033.121	7.01
LOCATION	L0009556	VOLUME	LOCATION	L0009584	VOLUME
369233.249	3760931.488	7.35	369210.473	3761032.848	7.10
LOCATION	L0009557	VOLUME	LOCATION	L0009585	VOLUME
369235.379	3760926.964	7.26	369212.644	3761028.343	7.19
LOCATION	L0009558	VOLUME	LOCATION	L0009586	VOLUME
369239.973	3760928.624	7.33	369214.814	3761023.839	7.28
LOCATION	L0009559	VOLUME	LOCATION	L0009587	VOLUME
369244.631	3760930.442	7.39	369216.985	3761019.335	7.35
LOCATION	L0009560	VOLUME	LOCATION	L0009588	VOLUME
369245.885	3760933.599	7.46	369219.156	3761014.831	7.41
LOCATION	L0009561	VOLUME	LOCATION	L0009589	VOLUME
369243.714	3760938.103	7.53	369221.327	3761010.327	7.47
LOCATION	L0009562	VOLUME	LOCATION	L0009590	VOLUME
369241.543	3760942.608	7.61	369223.498	3761005.823	7.53
LOCATION	L0009563	VOLUME	LOCATION	L0009591	VOLUME
369239.372	3760947.112	7.70	369225.668	3761001.318	7.59
LOCATION	L0009564	VOLUME	LOCATION	L0009592	VOLUME
369237.201	3760951.616	7.74	369227.839	3760996.814	7.64
LOCATION	L0009565	VOLUME	LOCATION	L0009593	VOLUME
369235.031	3760956.120	7.75	369230.010	3760992.310	7.69
LOCATION	L0009566	VOLUME	LOCATION	L0009594	VOLUME
369232.860	3760960.624	7.76	369232.181	3760987.806	7.74
LOCATION	L0009567	VOLUME	LOCATION	L0009595	VOLUME
369230.689	3760965.128	7.77	369234.352	3760983.302	7.76
LOCATION	L0009568	VOLUME	LOCATION	L0009596	VOLUME
369228.518	3760969.633	7.77	369236.522	3760978.797	7.77
LOCATION	L0009569	VOLUME	LOCATION	L0009597	VOLUME
369226.348	3760974.137	7.76	369238.693	3760974.293	7.76
LOCATION	L0009570	VOLUME	LOCATION	L0009598	VOLUME
369224.177	3760978.641	7.76	369240.864	3760969.789	7.75
LOCATION	L0009571	VOLUME	LOCATION	L0009599	VOLUME
369222.006	3760983.145	7.73	369243.035	3760965.285	7.74
LOCATION	L0009572	VOLUME	LOCATION	L0009600	VOLUME
369219.835	3760987.649	7.68	369245.206	3760960.781	7.73
LOCATION	L0009573	VOLUME	LOCATION	L0009601	VOLUME
369217.664	3760992.154	7.62	369247.376	3760956.277	7.73
LOCATION	L0009574	VOLUME	LOCATION	L0009602	VOLUME
369215.494	3760996.658	7.56	369249.547	3760951.772	7.73
LOCATION	L0009575	VOLUME	LOCATION	L0009603	VOLUME
369213.323	3761001.162	7.49	369251.718	3760947.268	7.70
LOCATION	L0009576	VOLUME	LOCATION	L0009604	VOLUME
369211.152	3761005.666	7.43	369253.889	3760942.764	7.63
LOCATION	L0009577	VOLUME	LOCATION	L0009605	VOLUME
369208.981	3761010.170	7.35	369256.060	3760938.260	7.56
LOCATION	L0009578	VOLUME	LOCATION	L0009606	VOLUME
369206.811	3761014.675	7.27	369259.417	3760936.962	7.53
LOCATION	L0009579	VOLUME	LOCATION	L0009607	VOLUME
369204.640	3761019.179	7.18	369263.998	3760938.966	7.53

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LOCATION L0009608	VOLUME	LOCATION L0009636	VOLUME
369266.490 3760941.752	7.53	369239.003 3761027.159	7.80
LOCATION L0009609	VOLUME	LOCATION L0009637	VOLUME
369264.350 3760946.271	7.59	369241.129 3761022.634	7.86
LOCATION L0009610	VOLUME	LOCATION L0009638	VOLUME
369262.210 3760950.790	7.64	369243.256 3761018.108	7.91
LOCATION L0009611	VOLUME	LOCATION L0009639	VOLUME
369260.070 3760955.309	7.67	369245.383 3761013.583	7.95
LOCATION L0009612	VOLUME	LOCATION L0009640	VOLUME
369257.930 3760959.828	7.70	369247.509 3761009.058	7.98
LOCATION L0009613	VOLUME	LOCATION L0009641	VOLUME
369255.790 3760964.347	7.71	369249.636 3761004.533	7.99
LOCATION L0009614	VOLUME	LOCATION L0009642	VOLUME
369253.650 3760968.866	7.71	369251.763 3761000.008	7.97
LOCATION L0009615	VOLUME	LOCATION L0009643	VOLUME
369251.510 3760973.385	7.72	369253.889 3760995.482	7.94
LOCATION L0009616	VOLUME	LOCATION L0009644	VOLUME
369249.370 3760977.904	7.72	369256.016 3760990.957	7.89
LOCATION L0009617	VOLUME	LOCATION L0009645	VOLUME
369247.231 3760982.423	7.75	369258.143 3760986.432	7.82
LOCATION L0009618	VOLUME	LOCATION L0009646	VOLUME
369245.091 3760986.942	7.78	369260.270 3760981.907	7.75
LOCATION L0009619	VOLUME	LOCATION L0009647	VOLUME
369242.951 3760991.461	7.80	369262.396 3760977.382	7.72
LOCATION L0009620	VOLUME	LOCATION L0009648	VOLUME
369240.811 3760995.980	7.79	369264.523 3760972.857	7.70
LOCATION L0009621	VOLUME	LOCATION L0009649	VOLUME
369238.671 3761000.499	7.76	369266.650 3760968.331	7.68
LOCATION L0009622	VOLUME	LOCATION L0009650	VOLUME
369236.531 3761005.018	7.72	369268.776 3760963.806	7.65
LOCATION L0009623	VOLUME	LOCATION L0009651	VOLUME
369234.391 3761009.537	7.66	369270.903 3760959.281	7.61
LOCATION L0009624	VOLUME	LOCATION L0009652	VOLUME
369232.251 3761014.055	7.59	369273.030 3760954.756	7.55
LOCATION L0009625	VOLUME	LOCATION L0009653	VOLUME
369230.111 3761018.574	7.54	369275.156 3760950.231	7.49
LOCATION L0009626	VOLUME	LOCATION L0009654	VOLUME
369227.972 3761023.093	7.50	369277.845 3760947.224	7.44
LOCATION L0009627	VOLUME	LOCATION L0009655	VOLUME
369225.832 3761027.612	7.45	369282.406 3760949.274	7.41
LOCATION L0009628	VOLUME	LOCATION L0009656	VOLUME
369223.692 3761032.131	7.39	369286.967 3760951.323	7.45
LOCATION L0009629	VOLUME	LOCATION L0009657	VOLUME
369221.552 3761036.650	7.32	369285.266 3760955.630	7.51
LOCATION L0009630	VOLUME	LOCATION L0009658	VOLUME
369221.418 3761040.473	7.29	369283.063 3760960.119	7.56
LOCATION L0009631	VOLUME	LOCATION L0009659	VOLUME
369225.897 3761042.695	7.38	369280.860 3760964.607	7.61
LOCATION L0009632	VOLUME	LOCATION L0009660	VOLUME
369230.377 3761044.917	7.44	369278.657 3760969.096	7.67
LOCATION L0009633	VOLUME	LOCATION L0009661	VOLUME
369232.623 3761040.734	7.60	369276.454 3760973.584	7.71
LOCATION L0009634	VOLUME	LOCATION L0009662	VOLUME
369234.749 3761036.209	7.67	369274.251 3760978.073	7.75
LOCATION L0009635	VOLUME	LOCATION L0009663	VOLUME
369236.876 3761031.684	7.74	369272.047 3760982.561	7.81

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LOCATION	L0009664	VOLUME	LOCATION	L0009692	VOLUME
369269.844	3760987.049	7.89	369275.119	3761003.051	8.21
LOCATION	L0009665	VOLUME	LOCATION	L0009693	VOLUME
369267.641	3760991.538	7.96	369277.306	3760998.555	8.14
LOCATION	L0009666	VOLUME	LOCATION	L0009694	VOLUME
369265.438	3760996.026	8.03	369279.492	3760994.058	8.07
LOCATION	L0009667	VOLUME	LOCATION	L0009695	VOLUME
369263.235	3761000.515	8.09	369281.678	3760989.561	7.99
LOCATION	L0009668	VOLUME	LOCATION	L0009696	VOLUME
369261.032	3761005.003	8.16	369283.865	3760985.065	7.93
LOCATION	L0009669	VOLUME	LOCATION	L0009697	VOLUME
369258.828	3761009.492	8.22	369286.051	3760980.568	7.88
LOCATION	L0009670	VOLUME	LOCATION	L0009698	VOLUME
369256.625	3761013.980	8.25	369288.237	3760976.071	7.84
LOCATION	L0009671	VOLUME	LOCATION	L0009699	VOLUME
369254.422	3761018.469	8.23	369290.424	3760971.575	7.79
LOCATION	L0009672	VOLUME	LOCATION	L0009700	VOLUME
369252.219	3761022.957	8.19	369292.610	3760967.078	7.73
LOCATION	L0009673	VOLUME	LOCATION	L0009701	VOLUME
369250.016	3761027.445	8.15	369294.796	3760962.582	7.67
LOCATION	L0009674	VOLUME	LOCATION	L0009702	VOLUME
369247.813	3761031.934	8.10	369296.983	3760958.085	7.59
LOCATION	L0009675	VOLUME	** End of LINE VOLUME Source ID =		
369245.609	3761036.422	8.04	SLINE1		
LOCATION	L0009676	VOLUME	** -----		
369243.406	3761040.911	7.98	-----		
LOCATION	L0009677	VOLUME	** Line Source Represented by Adjacent		
369241.203	3761045.399	7.77	Volume Sources		
LOCATION	L0009678	VOLUME	** LINE VOLUME Source ID = SLINE2		
369239.169	3761049.832	7.56	** DESCRSRC Loading Dock		
LOCATION	L0009679	VOLUME	** PREFIX		
369243.603	3761052.142	7.60	** Length of Side = 5.00		
LOCATION	L0009680	VOLUME	** Configuration = Adjacent		
369248.038	3761054.452	7.61	** Emission Rate = 1.0		
LOCATION	L0009681	VOLUME	** Elevated		
369251.069	3761052.514	7.77	** Vertical Dimension = 5.00		
LOCATION	L0009682	VOLUME	** SZINIT = 1.16		
369253.256	3761048.018	8.03	** Nodes = 2		
LOCATION	L0009683	VOLUME	** 369228.297, 3761034.248, 7.53, 3.66,		
369255.442	3761043.521	8.31	2.33		
LOCATION	L0009684	VOLUME	** 369242.698, 3761042.168, 7.85, 3.66,		
369257.628	3761039.024	8.42	2.33		
LOCATION	L0009685	VOLUME	** -----		
369259.815	3761034.528	8.37	-----		
LOCATION	L0009686	VOLUME	LOCATION	L0009917	VOLUME
369262.001	3761030.031	8.34	369230.488	3761035.453	7.53
LOCATION	L0009687	VOLUME	LOCATION	L0009918	VOLUME
369264.187	3761025.535	8.32	369234.869	3761037.862	7.68
LOCATION	L0009688	VOLUME	LOCATION	L0009919	VOLUME
369266.374	3761021.038	8.31	369239.250	3761040.272	7.83
LOCATION	L0009689	VOLUME	** End of LINE VOLUME Source ID =		
369268.560	3761016.541	8.31	SLINE2		
LOCATION	L0009690	VOLUME	LOCATION	STCK1	POINT
369270.746	3761012.045	8.32	369218.460	3761032.810	7.270
LOCATION	L0009691	VOLUME	** DESCRSRC Emergency Generator		
369272.933	3761007.548	8.28	** Source Parameters **		
			** LINE VOLUME Source ID = SLINE1		

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SRCPARAM L0009489	0.0046728972	SRCPARAM L0009517	0.0046728972
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SRCPARAM L0009490	0.0046728972	SRCPARAM L0009518	0.0046728972
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SRCPARAM L0009491	0.0046728972	SRCPARAM L0009519	0.0046728972
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SRCPARAM L0009492	0.0046728972	SRCPARAM L0009520	0.0046728972
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SRCPARAM L0009493	0.0046728972	SRCPARAM L0009521	0.0046728972
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SRCPARAM L0009494	0.0046728972	SRCPARAM L0009522	0.0046728972
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SRCPARAM L0009495	0.0046728972	SRCPARAM L0009523	0.0046728972
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SRCPARAM L0009496	0.0046728972	SRCPARAM L0009524	0.0046728972
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SRCPARAM L0009497	0.0046728972	SRCPARAM L0009525	0.0046728972
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SRCPARAM L0009498	0.0046728972	SRCPARAM L0009526	0.0046728972
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SRCPARAM L0009499	0.0046728972	SRCPARAM L0009527	0.0046728972
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SRCPARAM L0009500	0.0046728972	SRCPARAM L0009528	0.0046728972
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SRCPARAM L0009501	0.0046728972	SRCPARAM L0009529	0.0046728972
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SRCPARAM L0009502	0.0046728972	SRCPARAM L0009530	0.0046728972
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SRCPARAM L0009503	0.0046728972	SRCPARAM L0009531	0.0046728972
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SRCPARAM L0009504	0.0046728972	SRCPARAM L0009532	0.0046728972
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SRCPARAM L0009505	0.0046728972	SRCPARAM L0009533	0.0046728972
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SRCPARAM L0009506	0.0046728972	SRCPARAM L0009534	0.0046728972
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SRCPARAM L0009512	0.0046728972	SRCPARAM L0009540	0.0046728972
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SRCPARAM L0009515	0.0046728972	SRCPARAM L0009543	0.0046728972
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SRCPARAM L0009516	0.0046728972	SRCPARAM L0009544	0.0046728972
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SRCPARAM L0009545	0.0046728972	SRCPARAM L0009573	0.0046728972
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SRCPARAM L0009546	0.0046728972	SRCPARAM L0009574	0.0046728972
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SRCPARAM L0009547	0.0046728972	SRCPARAM L0009575	0.0046728972
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SRCPARAM L0009548	0.0046728972	SRCPARAM L0009576	0.0046728972
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SRCPARAM L0009549	0.0046728972	SRCPARAM L0009577	0.0046728972
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SRCPARAM L0009550	0.0046728972	SRCPARAM L0009578	0.0046728972
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SRCPARAM L0009551	0.0046728972	SRCPARAM L0009579	0.0046728972
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SRCPARAM L0009552	0.0046728972	SRCPARAM L0009580	0.0046728972
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SRCPARAM L0009553	0.0046728972	SRCPARAM L0009581	0.0046728972
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SRCPARAM L0009554	0.0046728972	SRCPARAM L0009582	0.0046728972
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SRCPARAM L0009555	0.0046728972	SRCPARAM L0009583	0.0046728972
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SRCPARAM L0009556	0.0046728972	SRCPARAM L0009584	0.0046728972
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SRCPARAM L0009557	0.0046728972	SRCPARAM L0009585	0.0046728972
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SRCPARAM L0009558	0.0046728972	SRCPARAM L0009586	0.0046728972
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SRCPARAM L0009560	0.0046728972	SRCPARAM L0009588	0.0046728972
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SRCPARAM L0009561	0.0046728972	SRCPARAM L0009589	0.0046728972
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SRCPARAM L0009562	0.0046728972	SRCPARAM L0009590	0.0046728972
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SRCPARAM L0009563	0.0046728972	SRCPARAM L0009591	0.0046728972
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SRCPARAM L0009568	0.0046728972	SRCPARAM L0009596	0.0046728972
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SRCPARAM L0009569	0.0046728972	SRCPARAM L0009597	0.0046728972
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SRCPARAM L0009570	0.0046728972	SRCPARAM L0009598	0.0046728972
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SRCPARAM L0009571	0.0046728972	SRCPARAM L0009599	0.0046728972
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SRCPARAM L0009572	0.0046728972	SRCPARAM L0009600	0.0046728972
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SRCPARAM L0009601	0.0046728972	SRCPARAM L0009629	0.0046728972
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SRCPARAM L0009602	0.0046728972	SRCPARAM L0009630	0.0046728972
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SRCPARAM L0009603	0.0046728972	SRCPARAM L0009631	0.0046728972
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SRCPARAM L0009604	0.0046728972	SRCPARAM L0009632	0.0046728972
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SRCPARAM L0009605	0.0046728972	SRCPARAM L0009633	0.0046728972
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SRCPARAM L0009606	0.0046728972	SRCPARAM L0009634	0.0046728972
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SRCPARAM L0009607	0.0046728972	SRCPARAM L0009635	0.0046728972
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SRCPARAM L0009621	0.0046728972	SRCPARAM L0009649	0.0046728972
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SRCPARAM L0009622	0.0046728972	SRCPARAM L0009650	0.0046728972
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SRCPARAM L0009623	0.0046728972	SRCPARAM L0009651	0.0046728972
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SRCPARAM L0009624	0.0046728972	SRCPARAM L0009652	0.0046728972
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SRCPARAM L0009625	0.0046728972	SRCPARAM L0009653	0.0046728972
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SRCPARAM L0009626	0.0046728972	SRCPARAM L0009654	0.0046728972
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SRCPARAM L0009627	0.0046728972	SRCPARAM L0009655	0.0046728972
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SRCPARAM L0009628	0.0046728972	SRCPARAM L0009656	0.0046728972
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SRCPARAM L0009657	0.0046728972	SRCPARAM L0009685	0.0046728972
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SRCPARAM L0009658	0.0046728972	SRCPARAM L0009686	0.0046728972
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SRCPARAM L0009663	0.0046728972	SRCPARAM L0009691	0.0046728972
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3.66 2.33 1.16		3.66 2.33 1.16	
SRCPARAM L0009669	0.0046728972	SRCPARAM L0009697	0.0046728972
3.66 2.33 1.16		3.66 2.33 1.16	
SRCPARAM L0009670	0.0046728972	SRCPARAM L0009698	0.0046728972
3.66 2.33 1.16		3.66 2.33 1.16	
SRCPARAM L0009671	0.0046728972	SRCPARAM L0009699	0.0046728972
3.66 2.33 1.16		3.66 2.33 1.16	
SRCPARAM L0009672	0.0046728972	SRCPARAM L0009700	0.0046728972
3.66 2.33 1.16		3.66 2.33 1.16	
SRCPARAM L0009673	0.0046728972	SRCPARAM L0009701	0.0046728972
3.66 2.33 1.16		3.66 2.33 1.16	
SRCPARAM L0009674	0.0046728972	SRCPARAM L0009702	0.0046728972
3.66 2.33 1.16		3.66 2.33 1.16	
SRCPARAM L0009675	0.0046728972	** -----	
3.66 2.33 1.16		-----	
SRCPARAM L0009676	0.0046728972	** LINE VOLUME Source ID = SLINE2	
3.66 2.33 1.16		SRCPARAM L0009917	0.3333333333
SRCPARAM L0009677	0.0046728972	3.66 2.33 1.16	
3.66 2.33 1.16		SRCPARAM L0009918	0.3333333333
SRCPARAM L0009678	0.0046728972	3.66 2.33 1.16	
3.66 2.33 1.16		SRCPARAM L0009919	0.3333333333
SRCPARAM L0009679	0.0046728972	3.66 2.33 1.16	
3.66 2.33 1.16		** -----	
SRCPARAM L0009680	0.0046728972	-----	
3.66 2.33 1.16		SRCPARAM STCK1	1.0
SRCPARAM L0009681	0.0046728972	3.658 768.150 15.9178729994454	
3.66 2.33 1.16		0.3048	
SRCPARAM L0009682	0.0046728972	URBANSRC ALL	
3.66 2.33 1.16			
SRCPARAM L0009683	0.0046728972	** Variable Emissions Type: "By Hour-	
3.66 2.33 1.16		of-Day (HROFDY)"	
SRCPARAM L0009684	0.0046728972	** Variable Emission Scenario:	
3.66 2.33 1.16		"Scenario 2"	

Beatrice Street Health Risk Assessment - AERMOD Output File

EMISFACT	L0009699	HROFDY	0.0	0.0	SRCGROUP	Construc	L0009489	L0009490
0.0	0.0	0.0	0.0		L0009491	L0009492	L0009493	L0009494
EMISFACT	L0009699	HROFDY	0.0	0.0	SRCGROUP	Construc	L0009495	L0009496
1.0	1.0	1.0	1.0		L0009497	L0009498	L0009499	L0009500
EMISFACT	L0009699	HROFDY	1.0	1.0	SRCGROUP	Construc	L0009501	L0009502
1.0	1.0	0.0	0.0		L0009503	L0009504	L0009505	L0009506
EMISFACT	L0009699	HROFDY	0.0	0.0	SRCGROUP	Construc	L0009507	L0009508
0.0	0.0	0.0	0.0		L0009509	L0009510	L0009511	L0009512
EMISFACT	L0009700	HROFDY	0.0	0.0	SRCGROUP	Construc	L0009513	L0009514
0.0	0.0	0.0	0.0		L0009515	L0009516	L0009517	L0009518
EMISFACT	L0009700	HROFDY	0.0	0.0	SRCGROUP	Construc	L0009519	L0009520
1.0	1.0	1.0	1.0		L0009521	L0009522	L0009523	L0009524
EMISFACT	L0009700	HROFDY	1.0	1.0	SRCGROUP	Construc	L0009525	L0009526
1.0	1.0	0.0	0.0		L0009527	L0009528	L0009529	L0009530
EMISFACT	L0009700	HROFDY	0.0	0.0	SRCGROUP	Construc	L0009531	L0009532
0.0	0.0	0.0	0.0		L0009533	L0009534	L0009535	L0009536
EMISFACT	L0009701	HROFDY	0.0	0.0	SRCGROUP	Construc	L0009537	L0009538
0.0	0.0	0.0	0.0		L0009539	L0009540	L0009541	L0009542
EMISFACT	L0009701	HROFDY	0.0	0.0	SRCGROUP	Construc	L0009543	L0009544
1.0	1.0	1.0	1.0		L0009545	L0009546	L0009547	L0009548
EMISFACT	L0009701	HROFDY	1.0	1.0	SRCGROUP	Construc	L0009549	L0009550
1.0	1.0	0.0	0.0		L0009551	L0009552	L0009553	L0009554
EMISFACT	L0009701	HROFDY	0.0	0.0	SRCGROUP	Construc	L0009555	L0009556
0.0	0.0	0.0	0.0		L0009557	L0009558	L0009559	L0009560
EMISFACT	L0009702	HROFDY	0.0	0.0	SRCGROUP	Construc	L0009561	L0009562
0.0	0.0	0.0	0.0		L0009563	L0009564	L0009565	L0009566
EMISFACT	L0009702	HROFDY	0.0	0.0	SRCGROUP	Construc	L0009567	L0009568
1.0	1.0	1.0	1.0		L0009569	L0009570	L0009571	L0009572
EMISFACT	L0009702	HROFDY	1.0	1.0	SRCGROUP	Construc	L0009573	L0009574
1.0	1.0	0.0	0.0		L0009575	L0009576	L0009577	L0009578
EMISFACT	L0009702	HROFDY	0.0	0.0	SRCGROUP	Construc	L0009579	L0009580
0.0	0.0	0.0	0.0		L0009581	L0009582	L0009583	L0009584
EMISFACT	L0009917	HROFDY	0.0	0.0	SRCGROUP	Construc	L0009585	L0009586
0.0	0.0	0.0	0.0		L0009587	L0009588	L0009589	L0009590
EMISFACT	L0009917	HROFDY	0.0	0.0	SRCGROUP	Construc	L0009591	L0009592
1.0	1.0	1.0	1.0		L0009593	L0009594	L0009595	L0009596
EMISFACT	L0009917	HROFDY	1.0	1.0	SRCGROUP	Construc	L0009597	L0009598
1.0	1.0	0.0	0.0		L0009599	L0009600	L0009601	L0009602
EMISFACT	L0009917	HROFDY	0.0	0.0	SRCGROUP	Construc	L0009603	L0009604
0.0	0.0	0.0	0.0		L0009605	L0009606	L0009607	L0009608
EMISFACT	L0009918	HROFDY	0.0	0.0	SRCGROUP	Construc	L0009609	L0009610
0.0	0.0	0.0	0.0		L0009611	L0009612	L0009613	L0009614
EMISFACT	L0009918	HROFDY	0.0	0.0	SRCGROUP	Construc	L0009615	L0009616
1.0	1.0	1.0	1.0		L0009617	L0009618	L0009619	L0009620
EMISFACT	L0009918	HROFDY	1.0	1.0	SRCGROUP	Construc	L0009621	L0009622
1.0	1.0	0.0	0.0		L0009623	L0009624	L0009625	L0009626
EMISFACT	L0009918	HROFDY	0.0	0.0	SRCGROUP	Construc	L0009627	L0009628
0.0	0.0	0.0	0.0		L0009629	L0009630	L0009631	L0009632
EMISFACT	L0009919	HROFDY	0.0	0.0	SRCGROUP	Construc	L0009633	L0009634
0.0	0.0	0.0	0.0		L0009635	L0009636	L0009637	L0009638
EMISFACT	L0009919	HROFDY	0.0	0.0	SRCGROUP	Construc	L0009639	L0009640
1.0	1.0	1.0	1.0		L0009641	L0009642	L0009643	L0009644
EMISFACT	L0009919	HROFDY	1.0	1.0	SRCGROUP	Construc	L0009645	L0009646
1.0	1.0	0.0	0.0		L0009647	L0009648	L0009649	L0009650
EMISFACT	L0009919	HROFDY	0.0	0.0	SRCGROUP	Construc	L0009651	L0009652
0.0	0.0	0.0	0.0		L0009653	L0009654	L0009655	L0009656

Beatrice Street Health Risk Assessment - AERMOD Output File

SRCGROUP Construc L0009657 L0009658
L0009659 L0009660 L0009661 L0009662
SRCGROUP Construc L0009663 L0009664
L0009665 L0009666 L0009667 L0009668
SRCGROUP Construc L0009669 L0009670
L0009671 L0009672 L0009673 L0009674
SRCGROUP Construc L0009675 L0009676
L0009677 L0009678 L0009679 L0009680
SRCGROUP Construc L0009681 L0009682
L0009683 L0009684 L0009685 L0009686
SRCGROUP Construc L0009687 L0009688
L0009689 L0009690 L0009691 L0009692
SRCGROUP Construc L0009693 L0009694
L0009695 L0009696 L0009697 L0009698
SRCGROUP Construc L0009699 L0009700
L0009701 L0009702

SRCGROUP Gen STCK1
SRCGROUP Loading L0009917 L0009918
L0009919

SO FINISHED

**

*

** AERMOD Receptor Pathway

**
**

RE STARTING

INCLUDED "Beatrice Street.rou"

RE FINISHED

**

*

** AERMOD Meteorology Pathway

**
**

ME STARTING

SURFFILE KLAX_V9_ADJU\KLAX_v9.SFC

PROFFILE KLAX_V9_ADJU\KLAX_v9.PFL

SURFDATA 23174 2012

LOS_ANGELES/INT'L_ARPT

UAIRDATA 3190 2012

PROFBASE 30.0 METERS

ME FINISHED

**

*

** AERMOD Output Pathway

**
**

OU STARTING

** Auto-Generated Plotfiles

PLOTFILE PERIOD Construc "Beatrice
Street.AD\PE00G001.PLT" 31
PLOTFILE PERIOD Gen "Beatrice
Street.AD\PE00G002.PLT" 32
PLOTFILE PERIOD Loading "Beatrice
Street.AD\PE00G003.PLT" 33
SUMMFILE "Beatrice Street.sum"
OU FINISHED

*** Message Summary For AERMOD Model
Setup ***

----- Summary of Total Messages -

A Total of 0 Fatal Error
Message(s)
A Total of 2 Warning
Message(s)
A Total of 0 Informational
Message(s)

***** FATAL ERROR MESSAGES

*** NONE ***

***** WARNING MESSAGES

ME W186 1458 MEOPEN:
THRESH_1MIN 1-min ASOS wind speed
threshold used 0.50
ME W187 1458 MEOPEN: ADJ_U*
Option for Stable Low Winds used in
AERMET

*** SETUP Finishes Successfully ***

Beatrice Street Health Risk Assessment - AERMOD Output File

*** AERMOD - VERSION 22112 ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 ***
*** 14:10:43

* The User Specified a Pollutant
Type of: DPM
**Model Calculates PERIOD Averages
Only

PAGE 1
*** MODELOPTs: RegDEFAULT CONC
ELEV URBAN ADJ_U*

**This Run Includes: 218 Source(s);
3 Source Group(s); and 299
Receptor(s)

*** MODEL SETUP OPTIONS SUMMARY

- - - - -
- - - - -
- - - - -
- - - - -

with: 1 POINT(s),
including
0
POINTCAP(s) and 0 POINTHOR(s)
and: 217 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)
and: 0 SWPOINT
source(s)

** Model Options Selected:
* Model Uses Regulatory DEFAULT
Options
* Model Is Setup For Calculation
of Average CONCentration Values.
* NO GAS DEPOSITION Data
Provided.
* NO PARTICLE DEPOSITION Data
Provided.
* Model Uses NO DRY DEPLETION.
DDPLETE = F
* Model Uses NO WET DEPLETION.
WETDPLT = F
* Stack-tip Downwash.
* Model Accounts for ELEVated
Terrain Effects.
* Use Calms Processing Routine.
* Use Missing Data Processing
Routine.
* No Exponential Decay.
* Model Uses URBAN Dispersion
Algorithm for the SBL for 218
Source(s),
for Total of 1 Urban
Area(s):
Urban Population = 9818605.0 ;
Urban Roughness Length = 1.000 m
* Urban Roughness Length of 1.0
Meter Used.
* ADJ_U* - Use ADJ_U* option
for SBL in AERMET
* CCVR_Sub - Meteorological data
includes CCVR substitutions
* TEMP_Sub - Meteorological data
includes TEMP substitutions
* Model Assumes No FLAGPOLE
Receptor Heights.

**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 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) = 30.00 ;

Beatrice Street Health Risk Assessment - AERMOD Output File

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 = 3.7 MB of RAM.

**Input Runstream File:

aermod.inp

**Output Print File:

aermod.out

**Detailed Error/Message File:

Beatrice Street.err

**File for Summary of Results:

Beatrice Street.sum

Beatrice Street Health Risk Assessment - AERMOD Output File

*** AERMOD - VERSION 22112 *** **
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** **
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PAGE 2
*** MODELOPTs: RegDFAULT CONC
ELEV URBAN ADJ_U*

*** POINT SOURCE DATA ***

		NUMBER		EMISSION RATE	
BASE	STACK	STACK	STACK		
STACK	BLDG	URBAN	CAP/	EMIS RATE	
SOURCE		PART.	(GRAMS/SEC)		
X	Y	ELEV.	HEIGHT	TEMP.	
EXIT VEL.	DIAMETER	EXISTS	SOURCE	HOR	
SCALAR	ID	CATS.			
(METERS)	(METERS)	(METERS)	(METERS)		
(DEG.K)	(M/SEC)	(METERS)			
VARY BY					
- - - - -					
- - - - -					
- - - - -					
- - - - -					
STCK1		0	0.10000E+01		
369218.5	3761032.8	7.3	3.66		
768.15	15.92	0.30	NO	YES	
NO					

Beatrice Street Health Risk Assessment - AERMOD Output File

```

*** AERMOD - VERSION 22112 *** ***
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Street\Beatrice Street.isc ***
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*** AERMET - VERSION 16216 *** ***
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PAGE 3
*** MODELOPTs: RegDFAULT CONC
ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

      NUMBER EMISSION RATE
BASE  RELEASE  INIT.  INIT.
URBAN EMISSION RATE
SOURCE  PART.  (GRAMS/SEC)
X      Y      ELEV.  HEIGHT  SY
SZ      SOURCE  SCALAR VARY
      ID      CATS.
(METERS) (METERS) (METERS) (METERS)
(METERS) (METERS)          BY
- - - - -
- - - - -
- - - - -
- -

L0009489      0  0.46729E-02
369171.6 3761007.0      6.6  3.66
2.33  1.16  YES  HROFDY
L0009490      0  0.46729E-02
369173.8 3761002.5      6.7  3.66
2.33  1.16  YES  HROFDY
L0009491      0  0.46729E-02
369175.9 3760998.0      6.7  3.66
2.33  1.16  YES  HROFDY
L0009492      0  0.46729E-02
369178.1 3760993.5      6.7  3.66
2.33  1.16  YES  HROFDY
L0009493      0  0.46729E-02
369180.3 3760989.0      6.7  3.66
2.33  1.16  YES  HROFDY
L0009494      0  0.46729E-02
369182.4 3760984.5      6.8  3.66
2.33  1.16  YES  HROFDY
L0009495      0  0.46729E-02
369184.6 3760979.9      6.9  3.66
2.33  1.16  YES  HROFDY
L0009496      0  0.46729E-02
369186.8 3760975.4      7.0  3.66
2.33  1.16  YES  HROFDY
L0009497      0  0.46729E-02
369188.9 3760970.9      7.1  3.66
2.33  1.16  YES  HROFDY

L0009498      0  0.46729E-02
369191.1 3760966.4      7.2  3.66
2.33  1.16  YES  HROFDY
L0009499      0  0.46729E-02
369193.2 3760961.9      7.2  3.66
2.33  1.16  YES  HROFDY
L0009500      0  0.46729E-02
369195.4 3760957.4      7.3  3.66
2.33  1.16  YES  HROFDY
L0009501      0  0.46729E-02
369197.6 3760952.9      7.3  3.66
2.33  1.16  YES  HROFDY
L0009502      0  0.46729E-02
369199.7 3760948.4      7.3  3.66
2.33  1.16  YES  HROFDY
L0009503      0  0.46729E-02
369201.9 3760943.9      7.2  3.66
2.33  1.16  YES  HROFDY
L0009504      0  0.46729E-02
369204.1 3760939.4      7.2  3.66
2.33  1.16  YES  HROFDY
L0009505      0  0.46729E-02
369206.2 3760934.9      7.1  3.66
2.33  1.16  YES  HROFDY
L0009506      0  0.46729E-02
369208.4 3760930.4      7.1  3.66
2.33  1.16  YES  HROFDY
L0009507      0  0.46729E-02
369210.5 3760925.9      7.0  3.66
2.33  1.16  YES  HROFDY
L0009508      0  0.46729E-02
369212.7 3760921.3      7.0  3.66
2.33  1.16  YES  HROFDY
L0009509      0  0.46729E-02
369214.9 3760916.8      7.0  3.66
2.33  1.16  YES  HROFDY
L0009510      0  0.46729E-02
369218.4 3760916.5      7.0  3.66
2.33  1.16  YES  HROFDY
L0009511      0  0.46729E-02
369222.9 3760918.8      7.0  3.66
2.33  1.16  YES  HROFDY
L0009512      0  0.46729E-02
369225.4 3760921.8      7.1  3.66
2.33  1.16  YES  HROFDY
L0009513      0  0.46729E-02
369223.3 3760926.3      7.1  3.66
2.33  1.16  YES  HROFDY
L0009514      0  0.46729E-02
369221.1 3760930.8      7.2  3.66
2.33  1.16  YES  HROFDY
L0009515      0  0.46729E-02
369218.9 3760935.3      7.3  3.66
2.33  1.16  YES  HROFDY
L0009516      0  0.46729E-02
369216.7 3760939.8      7.4  3.66
2.33  1.16  YES  HROFDY

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Beatrice Street Health Risk Assessment - AERMOD Output File

L0009517	0	0.46729E-02	
369214.6	3760944.3	7.4	3.66
2.33	1.16	YES	HROFDY
L0009518	0	0.46729E-02	
369212.4	3760948.8	7.5	3.66
2.33	1.16	YES	HROFDY
L0009519	0	0.46729E-02	
369210.2	3760953.3	7.5	3.66
2.33	1.16	YES	HROFDY
L0009520	0	0.46729E-02	
369208.1	3760957.8	7.5	3.66
2.33	1.16	YES	HROFDY
L0009521	0	0.46729E-02	
369205.9	3760962.3	7.5	3.66
2.33	1.16	YES	HROFDY
L0009522	0	0.46729E-02	
369203.7	3760966.8	7.5	3.66
2.33	1.16	YES	HROFDY
L0009523	0	0.46729E-02	
369201.5	3760971.3	7.5	3.66
2.33	1.16	YES	HROFDY
L0009524	0	0.46729E-02	
369199.4	3760975.8	7.5	3.66
2.33	1.16	YES	HROFDY
L0009525	0	0.46729E-02	
369197.2	3760980.3	7.4	3.66
2.33	1.16	YES	HROFDY
L0009526	0	0.46729E-02	
369195.0	3760984.8	7.3	3.66
2.33	1.16	YES	HROFDY
L0009527	0	0.46729E-02	
369192.9	3760989.3	7.2	3.66
2.33	1.16	YES	HROFDY
L0009528	0	0.46729E-02	
369190.7	3760993.8	7.1	3.66
2.33	1.16	YES	HROFDY

Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
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Street\Beatrice Street.isc ***
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*** AERMET - VERSION 16216 *** ***
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PAGE 4
*** MODELOPTs: RegDFAULT CONC
ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

      NUMBER EMISSION RATE
BASE  RELEASE  INIT.  INIT.
URBAN EMISSION RATE
SOURCE  PART.  (GRAMS/SEC)
X      Y      ELEV.  HEIGHT  SY
SZ      SOURCE  SCALAR VARY
      ID      CATS.
(METERS) (METERS) (METERS) (METERS)
(METERS) (METERS)          BY
- - - - -
- - - - -
- - - - -
- -

L0009529      0  0.46729E-02
369188.5 3760998.3  7.0  3.66
2.33  1.16  YES  HROFDY
L0009530      0  0.46729E-02
369186.3 3761002.8  6.9  3.66
2.33  1.16  YES  HROFDY
L0009531      0  0.46729E-02
369184.2 3761007.3  6.8  3.66
2.33  1.16  YES  HROFDY
L0009532      0  0.46729E-02
369182.0 3761011.8  6.7  3.66
2.33  1.16  YES  HROFDY
L0009533      0  0.46729E-02
369179.8 3761016.3  6.7  3.66
2.33  1.16  YES  HROFDY
L0009534      0  0.46729E-02
369183.6 3761019.4  6.8  3.66
2.33  1.16  YES  HROFDY
L0009535      0  0.46729E-02
369187.6 3761022.5  6.9  3.66
2.33  1.16  YES  HROFDY
L0009536      0  0.46729E-02
369190.7 3761022.0  6.9  3.66
2.33  1.16  YES  HROFDY
L0009537      0  0.46729E-02
369192.8 3761017.4  7.0  3.66
2.33  1.16  YES  HROFDY

L0009538      0  0.46729E-02
369194.9 3761012.9  7.0  3.66
2.33  1.16  YES  HROFDY
L0009539      0  0.46729E-02
369197.0 3761008.4  7.1  3.66
2.33  1.16  YES  HROFDY
L0009540      0  0.46729E-02
369199.2 3761003.9  7.2  3.66
2.33  1.16  YES  HROFDY
L0009541      0  0.46729E-02
369201.3 3760999.3  7.3  3.66
2.33  1.16  YES  HROFDY
L0009542      0  0.46729E-02
369203.4 3760994.8  7.5  3.66
2.33  1.16  YES  HROFDY
L0009543      0  0.46729E-02
369205.6 3760990.3  7.6  3.66
2.33  1.16  YES  HROFDY
L0009544      0  0.46729E-02
369207.7 3760985.8  7.6  3.66
2.33  1.16  YES  HROFDY
L0009545      0  0.46729E-02
369209.8 3760981.2  7.7  3.66
2.33  1.16  YES  HROFDY
L0009546      0  0.46729E-02
369212.0 3760976.7  7.7  3.66
2.33  1.16  YES  HROFDY
L0009547      0  0.46729E-02
369214.1 3760972.2  7.7  3.66
2.33  1.16  YES  HROFDY
L0009548      0  0.46729E-02
369216.2 3760967.7  7.6  3.66
2.33  1.16  YES  HROFDY
L0009549      0  0.46729E-02
369218.3 3760963.2  7.6  3.66
2.33  1.16  YES  HROFDY
L0009550      0  0.46729E-02
369220.5 3760958.6  7.6  3.66
2.33  1.16  YES  HROFDY
L0009551      0  0.46729E-02
369222.6 3760954.1  7.7  3.66
2.33  1.16  YES  HROFDY
L0009552      0  0.46729E-02
369224.7 3760949.6  7.7  3.66
2.33  1.16  YES  HROFDY
L0009553      0  0.46729E-02
369226.9 3760945.1  7.6  3.66
2.33  1.16  YES  HROFDY
L0009554      0  0.46729E-02
369229.0 3760940.5  7.5  3.66
2.33  1.16  YES  HROFDY
L0009555      0  0.46729E-02
369231.1 3760936.0  7.4  3.66
2.33  1.16  YES  HROFDY
L0009556      0  0.46729E-02
369233.2 3760931.5  7.3  3.66
2.33  1.16  YES  HROFDY

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Beatrice Street Health Risk Assessment - AERMOD Output File

L0009557	0	0.46729E-02	
369235.4	3760927.0	7.3	3.66
2.33	1.16	YES	HROFDY
L0009558	0	0.46729E-02	
369240.0	3760928.6	7.3	3.66
2.33	1.16	YES	HROFDY
L0009559	0	0.46729E-02	
369244.6	3760930.4	7.4	3.66
2.33	1.16	YES	HROFDY
L0009560	0	0.46729E-02	
369245.9	3760933.6	7.5	3.66
2.33	1.16	YES	HROFDY
L0009561	0	0.46729E-02	
369243.7	3760938.1	7.5	3.66
2.33	1.16	YES	HROFDY
L0009562	0	0.46729E-02	
369241.5	3760942.6	7.6	3.66
2.33	1.16	YES	HROFDY
L0009563	0	0.46729E-02	
369239.4	3760947.1	7.7	3.66
2.33	1.16	YES	HROFDY
L0009564	0	0.46729E-02	
369237.2	3760951.6	7.7	3.66
2.33	1.16	YES	HROFDY
L0009565	0	0.46729E-02	
369235.0	3760956.1	7.8	3.66
2.33	1.16	YES	HROFDY
L0009566	0	0.46729E-02	
369232.9	3760960.6	7.8	3.66
2.33	1.16	YES	HROFDY
L0009567	0	0.46729E-02	
369230.7	3760965.1	7.8	3.66
2.33	1.16	YES	HROFDY
L0009568	0	0.46729E-02	
369228.5	3760969.6	7.8	3.66
2.33	1.16	YES	HROFDY

Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
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Street\Beatrice Street.isc ***
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*** MODELOPTs: RegDFAULT CONC
ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

      NUMBER EMISSION RATE
BASE  RELEASE  INIT.  INIT.
URBAN EMISSION RATE
SOURCE  PART.  (GRAMS/SEC)
X      Y      ELEV.  HEIGHT  SY
SZ      SOURCE  SCALAR VARY
      ID      CATS.
(METERS) (METERS) (METERS) (METERS)
(METERS) (METERS)          BY
- - - - -
- - - - -
- - - - -
- -

L0009569      0  0.46729E-02
369226.3 3760974.1      7.8      3.66
2.33      1.16      YES  HROFDY
L0009570      0  0.46729E-02
369224.2 3760978.6      7.8      3.66
2.33      1.16      YES  HROFDY
L0009571      0  0.46729E-02
369222.0 3760983.1      7.7      3.66
2.33      1.16      YES  HROFDY
L0009572      0  0.46729E-02
369219.8 3760987.6      7.7      3.66
2.33      1.16      YES  HROFDY
L0009573      0  0.46729E-02
369217.7 3760992.2      7.6      3.66
2.33      1.16      YES  HROFDY
L0009574      0  0.46729E-02
369215.5 3760996.7      7.6      3.66
2.33      1.16      YES  HROFDY
L0009575      0  0.46729E-02
369213.3 3761001.2      7.5      3.66
2.33      1.16      YES  HROFDY
L0009576      0  0.46729E-02
369211.2 3761005.7      7.4      3.66
2.33      1.16      YES  HROFDY
L0009577      0  0.46729E-02
369209.0 3761010.2      7.3      3.66
2.33      1.16      YES  HROFDY

L0009578      0  0.46729E-02
369206.8 3761014.7      7.3      3.66
2.33      1.16      YES  HROFDY
L0009579      0  0.46729E-02
369204.6 3761019.2      7.2      3.66
2.33      1.16      YES  HROFDY
L0009580      0  0.46729E-02
369202.5 3761023.7      7.1      3.66
2.33      1.16      YES  HROFDY
L0009581      0  0.46729E-02
369200.3 3761028.2      7.0      3.66
2.33      1.16      YES  HROFDY
L0009582      0  0.46729E-02
369202.1 3761031.2      7.0      3.66
2.33      1.16      YES  HROFDY
L0009583      0  0.46729E-02
369206.7 3761033.1      7.0      3.66
2.33      1.16      YES  HROFDY
L0009584      0  0.46729E-02
369210.5 3761032.8      7.1      3.66
2.33      1.16      YES  HROFDY
L0009585      0  0.46729E-02
369212.6 3761028.3      7.2      3.66
2.33      1.16      YES  HROFDY
L0009586      0  0.46729E-02
369214.8 3761023.8      7.3      3.66
2.33      1.16      YES  HROFDY
L0009587      0  0.46729E-02
369217.0 3761019.3      7.3      3.66
2.33      1.16      YES  HROFDY
L0009588      0  0.46729E-02
369219.2 3761014.8      7.4      3.66
2.33      1.16      YES  HROFDY
L0009589      0  0.46729E-02
369221.3 3761010.3      7.5      3.66
2.33      1.16      YES  HROFDY
L0009590      0  0.46729E-02
369223.5 3761005.8      7.5      3.66
2.33      1.16      YES  HROFDY
L0009591      0  0.46729E-02
369225.7 3761001.3      7.6      3.66
2.33      1.16      YES  HROFDY
L0009592      0  0.46729E-02
369227.8 3760996.8      7.6      3.66
2.33      1.16      YES  HROFDY
L0009593      0  0.46729E-02
369230.0 3760992.3      7.7      3.66
2.33      1.16      YES  HROFDY
L0009594      0  0.46729E-02
369232.2 3760987.8      7.7      3.66
2.33      1.16      YES  HROFDY
L0009595      0  0.46729E-02
369234.4 3760983.3      7.8      3.66
2.33      1.16      YES  HROFDY
L0009596      0  0.46729E-02
369236.5 3760978.8      7.8      3.66
2.33      1.16      YES  HROFDY

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Beatrice Street Health Risk Assessment - AERMOD Output File

L0009597	0	0.46729E-02	
369238.7	3760974.3	7.8	3.66
2.33	1.16	YES	HROFDY
L0009598	0	0.46729E-02	
369240.9	3760969.8	7.8	3.66
2.33	1.16	YES	HROFDY
L0009599	0	0.46729E-02	
369243.0	3760965.3	7.7	3.66
2.33	1.16	YES	HROFDY
L0009600	0	0.46729E-02	
369245.2	3760960.8	7.7	3.66
2.33	1.16	YES	HROFDY
L0009601	0	0.46729E-02	
369247.4	3760956.3	7.7	3.66
2.33	1.16	YES	HROFDY
L0009602	0	0.46729E-02	
369249.5	3760951.8	7.7	3.66
2.33	1.16	YES	HROFDY
L0009603	0	0.46729E-02	
369251.7	3760947.3	7.7	3.66
2.33	1.16	YES	HROFDY
L0009604	0	0.46729E-02	
369253.9	3760942.8	7.6	3.66
2.33	1.16	YES	HROFDY
L0009605	0	0.46729E-02	
369256.1	3760938.3	7.6	3.66
2.33	1.16	YES	HROFDY
L0009606	0	0.46729E-02	
369259.4	3760937.0	7.5	3.66
2.33	1.16	YES	HROFDY
L0009607	0	0.46729E-02	
369264.0	3760939.0	7.5	3.66
2.33	1.16	YES	HROFDY
L0009608	0	0.46729E-02	
369266.5	3760941.8	7.5	3.66
2.33	1.16	YES	HROFDY

Beatrice Street Health Risk Assessment - AERMOD Output File

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*** MODELOPTs: RegDFAULT CONC
ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

      NUMBER EMISSION RATE
BASE  RELEASE  INIT.  INIT.
URBAN EMISSION RATE
SOURCE  PART.  (GRAMS/SEC)
X      Y      ELEV.  HEIGHT  SY
SZ     SOURCE  SCALAR VARY
      ID      CATS.
(METERS) (METERS) (METERS) (METERS)
(METERS) (METERS)          BY
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- - - - -
- - - - -
- -

L0009609      0  0.46729E-02
369264.3 3760946.3  7.6  3.66
2.33  1.16  YES  HROFDY
L0009610      0  0.46729E-02
369262.2 3760950.8  7.6  3.66
2.33  1.16  YES  HROFDY
L0009611      0  0.46729E-02
369260.1 3760955.3  7.7  3.66
2.33  1.16  YES  HROFDY
L0009612      0  0.46729E-02
369257.9 3760959.8  7.7  3.66
2.33  1.16  YES  HROFDY
L0009613      0  0.46729E-02
369255.8 3760964.3  7.7  3.66
2.33  1.16  YES  HROFDY
L0009614      0  0.46729E-02
369253.6 3760968.9  7.7  3.66
2.33  1.16  YES  HROFDY
L0009615      0  0.46729E-02
369251.5 3760973.4  7.7  3.66
2.33  1.16  YES  HROFDY
L0009616      0  0.46729E-02
369249.4 3760977.9  7.7  3.66
2.33  1.16  YES  HROFDY
L0009617      0  0.46729E-02
369247.2 3760982.4  7.8  3.66
2.33  1.16  YES  HROFDY

L0009618      0  0.46729E-02
369245.1 3760986.9  7.8  3.66
2.33  1.16  YES  HROFDY
L0009619      0  0.46729E-02
369243.0 3760991.5  7.8  3.66
2.33  1.16  YES  HROFDY
L0009620      0  0.46729E-02
369240.8 3760996.0  7.8  3.66
2.33  1.16  YES  HROFDY
L0009621      0  0.46729E-02
369238.7 3761000.5  7.8  3.66
2.33  1.16  YES  HROFDY
L0009622      0  0.46729E-02
369236.5 3761005.0  7.7  3.66
2.33  1.16  YES  HROFDY
L0009623      0  0.46729E-02
369234.4 3761009.5  7.7  3.66
2.33  1.16  YES  HROFDY
L0009624      0  0.46729E-02
369232.3 3761014.1  7.6  3.66
2.33  1.16  YES  HROFDY
L0009625      0  0.46729E-02
369230.1 3761018.6  7.5  3.66
2.33  1.16  YES  HROFDY
L0009626      0  0.46729E-02
369228.0 3761023.1  7.5  3.66
2.33  1.16  YES  HROFDY
L0009627      0  0.46729E-02
369225.8 3761027.6  7.5  3.66
2.33  1.16  YES  HROFDY
L0009628      0  0.46729E-02
369223.7 3761032.1  7.4  3.66
2.33  1.16  YES  HROFDY
L0009629      0  0.46729E-02
369221.6 3761036.6  7.3  3.66
2.33  1.16  YES  HROFDY
L0009630      0  0.46729E-02
369221.4 3761040.5  7.3  3.66
2.33  1.16  YES  HROFDY
L0009631      0  0.46729E-02
369225.9 3761042.7  7.4  3.66
2.33  1.16  YES  HROFDY
L0009632      0  0.46729E-02
369230.4 3761044.9  7.4  3.66
2.33  1.16  YES  HROFDY
L0009633      0  0.46729E-02
369232.6 3761040.7  7.6  3.66
2.33  1.16  YES  HROFDY
L0009634      0  0.46729E-02
369234.7 3761036.2  7.7  3.66
2.33  1.16  YES  HROFDY
L0009635      0  0.46729E-02
369236.9 3761031.7  7.7  3.66
2.33  1.16  YES  HROFDY
L0009636      0  0.46729E-02
369239.0 3761027.2  7.8  3.66
2.33  1.16  YES  HROFDY

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Beatrice Street Health Risk Assessment - AERMOD Output File

L0009637	0	0.46729E-02	
369241.1	3761022.6	7.9	3.66
2.33	1.16	YES	HROFDY
L0009638	0	0.46729E-02	
369243.3	3761018.1	7.9	3.66
2.33	1.16	YES	HROFDY
L0009639	0	0.46729E-02	
369245.4	3761013.6	8.0	3.66
2.33	1.16	YES	HROFDY
L0009640	0	0.46729E-02	
369247.5	3761009.1	8.0	3.66
2.33	1.16	YES	HROFDY
L0009641	0	0.46729E-02	
369249.6	3761004.5	8.0	3.66
2.33	1.16	YES	HROFDY
L0009642	0	0.46729E-02	
369251.8	3761000.0	8.0	3.66
2.33	1.16	YES	HROFDY
L0009643	0	0.46729E-02	
369253.9	3760995.5	7.9	3.66
2.33	1.16	YES	HROFDY
L0009644	0	0.46729E-02	
369256.0	3760991.0	7.9	3.66
2.33	1.16	YES	HROFDY
L0009645	0	0.46729E-02	
369258.1	3760986.4	7.8	3.66
2.33	1.16	YES	HROFDY
L0009646	0	0.46729E-02	
369260.3	3760981.9	7.8	3.66
2.33	1.16	YES	HROFDY
L0009647	0	0.46729E-02	
369262.4	3760977.4	7.7	3.66
2.33	1.16	YES	HROFDY
L0009648	0	0.46729E-02	
369264.5	3760972.9	7.7	3.66
2.33	1.16	YES	HROFDY

Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC
ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

      NUMBER EMISSION RATE
BASE  RELEASE  INIT.  INIT.
URBAN EMISSION RATE
SOURCE  PART.  (GRAMS/SEC)
X      Y      ELEV.  HEIGHT  SY
SZ      SOURCE  SCALAR VARY
      ID      CATS.
(METERS) (METERS) (METERS) (METERS)
(METERS) (METERS)          BY
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- - - - -
- -

L0009649      0  0.46729E-02
369266.6 3760968.3      7.7  3.66
2.33  1.16  YES  HROFDY
L0009650      0  0.46729E-02
369268.8 3760963.8      7.6  3.66
2.33  1.16  YES  HROFDY
L0009651      0  0.46729E-02
369270.9 3760959.3      7.6  3.66
2.33  1.16  YES  HROFDY
L0009652      0  0.46729E-02
369273.0 3760954.8      7.5  3.66
2.33  1.16  YES  HROFDY
L0009653      0  0.46729E-02
369275.2 3760950.2      7.5  3.66
2.33  1.16  YES  HROFDY
L0009654      0  0.46729E-02
369277.8 3760947.2      7.4  3.66
2.33  1.16  YES  HROFDY
L0009655      0  0.46729E-02
369282.4 3760949.3      7.4  3.66
2.33  1.16  YES  HROFDY
L0009656      0  0.46729E-02
369287.0 3760951.3      7.5  3.66
2.33  1.16  YES  HROFDY
L0009657      0  0.46729E-02
369285.3 3760955.6      7.5  3.66
2.33  1.16  YES  HROFDY

L0009658      0  0.46729E-02
369283.1 3760960.1      7.6  3.66
2.33  1.16  YES  HROFDY
L0009659      0  0.46729E-02
369280.9 3760964.6      7.6  3.66
2.33  1.16  YES  HROFDY
L0009660      0  0.46729E-02
369278.7 3760969.1      7.7  3.66
2.33  1.16  YES  HROFDY
L0009661      0  0.46729E-02
369276.5 3760973.6      7.7  3.66
2.33  1.16  YES  HROFDY
L0009662      0  0.46729E-02
369274.3 3760978.1      7.8  3.66
2.33  1.16  YES  HROFDY
L0009663      0  0.46729E-02
369272.0 3760982.6      7.8  3.66
2.33  1.16  YES  HROFDY
L0009664      0  0.46729E-02
369269.8 3760987.0      7.9  3.66
2.33  1.16  YES  HROFDY
L0009665      0  0.46729E-02
369267.6 3760991.5      8.0  3.66
2.33  1.16  YES  HROFDY
L0009666      0  0.46729E-02
369265.4 3760996.0      8.0  3.66
2.33  1.16  YES  HROFDY
L0009667      0  0.46729E-02
369263.2 3761000.5      8.1  3.66
2.33  1.16  YES  HROFDY
L0009668      0  0.46729E-02
369261.0 3761005.0      8.2  3.66
2.33  1.16  YES  HROFDY
L0009669      0  0.46729E-02
369258.8 3761009.5      8.2  3.66
2.33  1.16  YES  HROFDY
L0009670      0  0.46729E-02
369256.6 3761014.0      8.2  3.66
2.33  1.16  YES  HROFDY
L0009671      0  0.46729E-02
369254.4 3761018.5      8.2  3.66
2.33  1.16  YES  HROFDY
L0009672      0  0.46729E-02
369252.2 3761023.0      8.2  3.66
2.33  1.16  YES  HROFDY
L0009673      0  0.46729E-02
369250.0 3761027.4      8.2  3.66
2.33  1.16  YES  HROFDY
L0009674      0  0.46729E-02
369247.8 3761031.9      8.1  3.66
2.33  1.16  YES  HROFDY
L0009675      0  0.46729E-02
369245.6 3761036.4      8.0  3.66
2.33  1.16  YES  HROFDY
L0009676      0  0.46729E-02
369243.4 3761040.9      8.0  3.66
2.33  1.16  YES  HROFDY

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Beatrice Street Health Risk Assessment - AERMOD Output File

L0009677	0	0.46729E-02	
369241.2	3761045.4	7.8	3.66
2.33	1.16	YES	HROFDY
L0009678	0	0.46729E-02	
369239.2	3761049.8	7.6	3.66
2.33	1.16	YES	HROFDY
L0009679	0	0.46729E-02	
369243.6	3761052.1	7.6	3.66
2.33	1.16	YES	HROFDY
L0009680	0	0.46729E-02	
369248.0	3761054.5	7.6	3.66
2.33	1.16	YES	HROFDY
L0009681	0	0.46729E-02	
369251.1	3761052.5	7.8	3.66
2.33	1.16	YES	HROFDY
L0009682	0	0.46729E-02	
369253.3	3761048.0	8.0	3.66
2.33	1.16	YES	HROFDY
L0009683	0	0.46729E-02	
369255.4	3761043.5	8.3	3.66
2.33	1.16	YES	HROFDY
L0009684	0	0.46729E-02	
369257.6	3761039.0	8.4	3.66
2.33	1.16	YES	HROFDY
L0009685	0	0.46729E-02	
369259.8	3761034.5	8.4	3.66
2.33	1.16	YES	HROFDY
L0009686	0	0.46729E-02	
369262.0	3761030.0	8.3	3.66
2.33	1.16	YES	HROFDY
L0009687	0	0.46729E-02	
369264.2	3761025.5	8.3	3.66
2.33	1.16	YES	HROFDY
L0009688	0	0.46729E-02	
369266.4	3761021.0	8.3	3.66
2.33	1.16	YES	HROFDY

Beatrice Street Health Risk Assessment - AERMOD Output File

```

*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43
PAGE 8
*** MODELOPTs: RegDFAULT CONC
ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

          NUMBER EMISSION RATE
BASE  RELEASE  INIT.  INIT.
URBAN EMISSION RATE
SOURCE  PART.  (GRAMS/SEC)
X      Y      ELEV.  HEIGHT  SY
SZ     SOURCE SCALAR VARY
      ID      CATS.
(METERS) (METERS) (METERS) (METERS)
(METERS) (METERS)          BY
- - - - -
- - - - -
- - - - -
- -

```

```

L0009689      0  0.46729E-02
369268.6 3761016.5      8.3  3.66
2.33  1.16  YES  HROFDY
L0009690      0  0.46729E-02
369270.7 3761012.0      8.3  3.66
2.33  1.16  YES  HROFDY
L0009691      0  0.46729E-02
369272.9 3761007.5      8.3  3.66
2.33  1.16  YES  HROFDY
L0009692      0  0.46729E-02
369275.1 3761003.1      8.2  3.66
2.33  1.16  YES  HROFDY
L0009693      0  0.46729E-02
369277.3 3760998.6      8.1  3.66
2.33  1.16  YES  HROFDY
L0009694      0  0.46729E-02
369279.5 3760994.1      8.1  3.66
2.33  1.16  YES  HROFDY
L0009695      0  0.46729E-02
369281.7 3760989.6      8.0  3.66
2.33  1.16  YES  HROFDY
L0009696      0  0.46729E-02
369283.9 3760985.1      7.9  3.66
2.33  1.16  YES  HROFDY
L0009697      0  0.46729E-02
369286.1 3760980.6      7.9  3.66
2.33  1.16  YES  HROFDY

```

Beatrice Street Health Risk Assessment - AERMOD Output File

```

*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

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*** MODELOPTs: RegDFAULT CONC
ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS
***

SRCGROUP ID
SOURCE IDs
-----
-----

CONSTRUC L0009489 , L0009490
, L0009491 , L0009492 , L0009493
, L0009494 , L0009495 , L0009496
,
, L0009497 , L0009498
, L0009499 , L0009500 , L0009501
, L0009502 , L0009503 , L0009504
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, L0009505 , L0009506
, L0009507 , L0009508 , L0009509
, L0009510 , L0009511 , L0009512
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, L0009513 , L0009514
, L0009515 , L0009516 , L0009517
, L0009518 , L0009519 , L0009520
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, L0009521 , L0009522
, L0009523 , L0009524 , L0009525
, L0009526 , L0009527 , L0009528
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, L0009529 , L0009530
, L0009531 , L0009532 , L0009533
, L0009534 , L0009535 , L0009536
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, L0009547 , L0009548 , L0009549
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, L0009566 , L0009567 , L0009568
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, L0009569 , L0009570
, L0009571 , L0009572 , L0009573
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, L0009577 , L0009578
, L0009579 , L0009580 , L0009581
, L0009582 , L0009583 , L0009584
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, L0009585 , L0009586
, L0009587 , L0009588 , L0009589
, L0009590 , L0009591 , L0009592
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, L0009593 , L0009594
, L0009595 , L0009596 , L0009597
, L0009598 , L0009599 , L0009600
,
, L0009601 , L0009602
, L0009603 , L0009604 , L0009605
, L0009606 , L0009607 , L0009608
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, L0009609 , L0009610
, L0009611 , L0009612 , L0009613
, L0009614 , L0009615 , L0009616
,
, L0009617 , L0009618
, L0009619 , L0009620 , L0009621
, L0009622 , L0009623 , L0009624
,
, L0009625 , L0009626
, L0009627 , L0009628 , L0009629
, L0009630 , L0009631 , L0009632
,
, L0009633 , L0009634
, L0009635 , L0009636 , L0009637

```

Beatrice Street Health Risk Assessment - AERMOD Output File

, L0009638 , L0009639 , L0009640

,

L0009641 , L0009642

, L0009643 , L0009644 , L0009645

, L0009646 , L0009647 , L0009648

,

Beatrice Street Health Risk Assessment - AERMOD Output File

*** AERMOD - VERSION 22112 *** **

C:\Users\M.McPherson\Desktop\Beatrice Street\Beatrice Street.isc *** LOADING L0009917 , L0009918
02/29/24 , L0009919 ,

*** AERMET - VERSION 16216 *** **
*** 14:10:43

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*** MODELOPTs: RegDEFAULT CONC
ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID
SOURCE IDs

L0009649 , L0009650
, L0009651 , L0009652 , L0009653
, L0009654 , L0009655 , L0009656
,

L0009657 , L0009658
, L0009659 , L0009660 , L0009661
, L0009662 , L0009663 , L0009664
,

L0009665 , L0009666
, L0009667 , L0009668 , L0009669
, L0009670 , L0009671 , L0009672
,

L0009673 , L0009674
, L0009675 , L0009676 , L0009677
, L0009678 , L0009679 , L0009680
,

L0009681 , L0009682
, L0009683 , L0009684 , L0009685
, L0009686 , L0009687 , L0009688
,

L0009689 , L0009690
, L0009691 , L0009692 , L0009693
, L0009694 , L0009695 , L0009696
,

L0009697 , L0009698
, L0009699 , L0009700 , L0009701
, L0009702 ,

GEN STCK1 ,

Beatrice Street Health Risk Assessment - AERMOD Output File

*** AERMOD - VERSION 22112 *** **

C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24

*** AERMET - VERSION 16216 *** **
*** 14:10:43

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*** MODELOPTs: RegDFAULT CONC
ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP
SOURCE IDs	-----
-----	-----
-----	-----
L0009490	9818605. L0009489
, L0009491	, L0009492
, L0009493	, L0009494
, L0009496	
, L0009497	L0009498
, L0009499	, L0009500
, L0009502	, L0009503
, L0009507	L0009505
, L0009510	, L0009506
, L0009515	, L0009508
, L0009518	, L0009509
, L0009523	L0009513
, L0009526	, L0009514
, L0009531	, L0009516
, L0009534	, L0009517
, L0009539	, L0009519
, L0009542	L0009521
	, L0009522
	, L0009524
	, L0009525
	, L0009527
	, L0009528
	L0009529
	, L0009530
	, L0009532
	, L0009533
	, L0009535
	, L0009536
	L0009537
	, L0009538
	, L0009540
	, L0009541
	, L0009543
	, L0009544

L0009545	, L0009546
, L0009547	, L0009548
, L0009550	, L0009551
L0009553	, L0009554
, L0009555	, L0009556
, L0009558	, L0009559
L0009561	, L0009562
, L0009563	, L0009564
, L0009566	, L0009567
L0009569	, L0009570
, L0009571	, L0009572
, L0009574	, L0009575
L0009577	, L0009578
, L0009579	, L0009580
, L0009582	, L0009583
L0009585	, L0009586
, L0009587	, L0009588
, L0009590	, L0009591
L0009593	, L0009594
, L0009595	, L0009596
, L0009598	, L0009599
L0009601	, L0009602
, L0009603	, L0009604
, L0009606	, L0009607
L0009609	, L0009610
, L0009611	, L0009612
, L0009614	, L0009615
L0009617	, L0009618
, L0009619	, L0009620
, L0009622	, L0009623
L0009625	, L0009626
, L0009627	, L0009628
, L0009630	, L0009631

Beatrice Street Health Risk Assessment - AERMOD Output File

L0009633 , L0009634
, L0009635 , L0009636 , L0009637
, L0009638 , L0009639 , L0009640
,

L0009641 , L0009642
, L0009643 , L0009644 , L0009645
, L0009646 , L0009647 , L0009648
,

Beatrice Street Health Risk Assessment - AERMOD Output File

L0009919 , STCK1

*** AERMOD - VERSION 22112 *** **
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** **
*** 14:10:43

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*** MODELOPTs: RegDEFAULT CONC
ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP
SOURCE IDs	-----
-----	-----
	L0009649 , L0009650
, L0009651	, L0009652 , L0009653
, L0009654	, L0009655 , L0009656
,	
	L0009657 , L0009658
, L0009659	, L0009660 , L0009661
, L0009662	, L0009663 , L0009664
,	
	L0009665 , L0009666
, L0009667	, L0009668 , L0009669
, L0009670	, L0009671 , L0009672
,	
	L0009673 , L0009674
, L0009675	, L0009676 , L0009677
, L0009678	, L0009679 , L0009680
,	
	L0009681 , L0009682
, L0009683	, L0009684 , L0009685
, L0009686	, L0009687 , L0009688
,	
	L0009689 , L0009690
, L0009691	, L0009692 , L0009693
, L0009694	, L0009695 , L0009696
,	
	L0009697 , L0009698
, L0009699	, L0009700 , L0009701
, L0009702	, L0009917 , L0009918
,	

Beatrice Street Health Risk Assessment - AERMOD Output File

```

*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

```

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```

*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009491 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :

```

```

* SOURCE
EMISSION RATE SCALARS WHICH VARY FOR
EACH HOUR OF THE DAY *

```

HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00
3	.00000E+00	4	.00000E+00
5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00
9	.10000E+01	10	.10000E+01
11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01
15	.10000E+01	16	.10000E+01
17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00
21	.00000E+00	22	.00000E+00
23	.00000E+00	24	.00000E+00

```

SOURCE ID = L0009489 ; SOURCE TYPE
= VOLUME :

```

1	.00000E+00	2	.00000E+00
3	.00000E+00	4	.00000E+00
5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00
9	.10000E+01	10	.10000E+01
11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01
15	.10000E+01	16	.10000E+01
17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00
21	.00000E+00	22	.00000E+00
23	.00000E+00	24	.00000E+00

```

SOURCE ID = L0009490 ; SOURCE TYPE
= VOLUME :

```

1	.00000E+00	2	.00000E+00
3	.00000E+00	4	.00000E+00
5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00
9	.10000E+01	10	.10000E+01
11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01
15	.10000E+01	16	.10000E+01

```

SOURCE ID = L0009491 ; SOURCE TYPE
= VOLUME :

```

1	.00000E+00	2	.00000E+00
3	.00000E+00	4	.00000E+00
5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00
9	.10000E+01	10	.10000E+01
11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01
15	.10000E+01	16	.10000E+01
17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00
21	.00000E+00	22	.00000E+00
23	.00000E+00	24	.00000E+00

```

SOURCE ID = L0009492 ; SOURCE TYPE
= VOLUME :

```

1	.00000E+00	2	.00000E+00
3	.00000E+00	4	.00000E+00
5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00
9	.10000E+01	10	.10000E+01
11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01
15	.10000E+01	16	.10000E+01
17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00
21	.00000E+00	22	.00000E+00
23	.00000E+00	24	.00000E+00

```

SOURCE ID = L0009493 ; SOURCE TYPE
= VOLUME :

```

1	.00000E+00	2	.00000E+00
3	.00000E+00	4	.00000E+00
5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00
9	.10000E+01	10	.10000E+01

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

```

*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

```

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```

*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009496 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :
1 .00000E+00 2
* SOURCE .00000E+00 3 .00000E+00 4
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 5 .00000E+00 6
EACH HOUR OF THE DAY * .00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20
				.00000E+00	21 .00000E+00 22
				.00000E+00	23 .00000E+00 24

```

SOURCE ID = L0009494 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18
.00000E+00
19 .00000E+00 20
.00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0009497 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18
.00000E+00
19 .00000E+00 20
.00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0009495 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16

```

```

SOURCE ID = L0009498 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10

```

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

```

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```

*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009501 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :
1 .00000E+00 2
* SOURCE .00000E+00 3 .00000E+00 4
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 5 .00000E+00 6
EACH HOUR OF THE DAY * .00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20

```

SOURCE ID = L0009499 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18
.00000E+00
19 .00000E+00 20
.00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0009502 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18
.00000E+00
19 .00000E+00 20
.00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0009500 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16

```

```

SOURCE ID = L0009503 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10

```

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

```

*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

```

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```

*** MODELOPTs: RegDEFAULT CONC SOURCE ID = L0009506 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :
1 .00000E+00 2
* SOURCE .00000E+00 3 .00000E+00 4
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 5 .00000E+00 6
EACH HOUR OF THE DAY * .00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20

```

SOURCE ID = L0009504 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20
				.00000E+00	21 .00000E+00 22
				.00000E+00	23 .00000E+00 24
				.00000E+00	

```

SOURCE ID = L0009505 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

```

*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

```

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```

*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009511 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :

```

```

* SOURCE .00000E+00 2
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 3 .00000E+00 4
EACH HOUR OF THE DAY * .00000E+00 5 .00000E+00 6

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20

```

SOURCE ID = L0009509 ; SOURCE TYPE
= VOLUME :

```

```

1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

```

SOURCE ID = L0009512 ; SOURCE TYPE
= VOLUME :

```

```

1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

```

7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01

```

```

SOURCE ID = L0009510 ; SOURCE TYPE
= VOLUME :

```

```

1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

```

SOURCE ID = L0009513 ; SOURCE TYPE
= VOLUME :

```

```

1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```


Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

```

*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

```

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```

*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009516 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :
1 .00000E+00 2
* SOURCE .00000E+00 3 .00000E+00 4
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 5 .00000E+00 6
EACH HOUR OF THE DAY * .00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20

```

SOURCE ID = L0009514 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18
.00000E+00
19 .00000E+00 20
.00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0009517 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18
.00000E+00
19 .00000E+00 20
.00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0009515 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16

```

```

SOURCE ID = L0009518 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10

```

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

```

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```

*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009521 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :
1 .00000E+00 2
* SOURCE .00000E+00 3 .00000E+00 4
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 5 .00000E+00 6
EACH HOUR OF THE DAY * .00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20

```

SOURCE ID = L0009519 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20
				.00000E+00	21 .00000E+00 22
				.00000E+00	23 .00000E+00 24
				.00000E+00	

```

SOURCE ID = L0009520 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

```

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*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009526 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :
1 .00000E+00 2
* SOURCE .00000E+00 3 .00000E+00 4
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 5 .00000E+00 6
EACH HOUR OF THE DAY * .00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20

```

SOURCE ID = L0009524 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2

```

.00000E+00	3	.00000E+00	4		
.00000E+00	5	.00000E+00	6	SOURCE ID = L0009527 ; SOURCE TYPE	
.00000E+00				= VOLUME :	
.00000E+00	7	.00000E+00	8	1 .00000E+00	2
.00000E+00	9	.10000E+01	10	.00000E+00	3 .00000E+00 4
.10000E+01	11	.10000E+01	12	.00000E+00	5 .00000E+00 6
.10000E+01				.00000E+00	
.10000E+01	13	.10000E+01	14	.00000E+00	7 .00000E+00 8
.10000E+01	15	.10000E+01	16	.00000E+00	9 .10000E+01 10
.10000E+01	17	.00000E+00	18	.10000E+01	11 .10000E+01 12
.00000E+00				.10000E+01	
.00000E+00	19	.00000E+00	20	.10000E+01	13 .10000E+01 14
.00000E+00	21	.00000E+00	22	.10000E+01	15 .10000E+01 16
.00000E+00	23	.00000E+00	24	.10000E+01	17 .00000E+00 18
.00000E+00				.00000E+00	
				.00000E+00	19 .00000E+00 20
				.00000E+00	21 .00000E+00 22
				.00000E+00	23 .00000E+00 24

```

SOURCE ID = L0009525 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2

```

.00000E+00	3	.00000E+00	4		
.00000E+00	5	.00000E+00	6	SOURCE ID = L0009528 ; SOURCE TYPE	
.00000E+00				= VOLUME :	
.00000E+00	7	.00000E+00	8	1 .00000E+00	2
.00000E+00	9	.10000E+01	10	.00000E+00	3 .00000E+00 4
.10000E+01	11	.10000E+01	12	.00000E+00	5 .00000E+00 6
.10000E+01				.00000E+00	
.10000E+01	13	.10000E+01	14	.00000E+00	7 .00000E+00 8
.10000E+01	15	.10000E+01	16	.00000E+00	9 .10000E+01 10

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

```

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*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009531 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :
1 .00000E+00 2
* SOURCE .00000E+00 3 .00000E+00 4
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 5 .00000E+00 6
EACH HOUR OF THE DAY * .00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20

```

SOURCE ID = L0009529 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20
				.00000E+00	21 .00000E+00 22
				.00000E+00	23 .00000E+00 24
				.00000E+00	

```

SOURCE ID = L0009530 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
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```

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```

*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009536 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :

```

```

* SOURCE .00000E+00 2
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 3 .00000E+00 4
EACH HOUR OF THE DAY * .00000E+00 5 .00000E+00 6

```

HOUR	SCALAR	HOUR	SCALAR				
1	.00000E+00	2	.00000E+00	.00000E+00	7	.00000E+00	8
3	.00000E+00	4	.00000E+00	.00000E+00	9	.10000E+01	10
5	.00000E+00	6	.00000E+00	.10000E+01	11	.10000E+01	12
7	.00000E+00	8	.00000E+00	.10000E+01	13	.10000E+01	14
9	.10000E+01	10	.10000E+01	.10000E+01	15	.10000E+01	16
11	.10000E+01	12	.10000E+01	.10000E+01	17	.00000E+00	18
13	.10000E+01	14	.10000E+01	.00000E+00	19	.00000E+00	20
15	.10000E+01	16	.10000E+01	.00000E+00	21	.00000E+00	22
17	.00000E+00	18	.00000E+00	.00000E+00	23	.00000E+00	24

```

SOURCE ID = L0009534 ; SOURCE TYPE
= VOLUME :

```

1	.00000E+00	2	.00000E+00
3	.00000E+00	4	.00000E+00
5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00
9	.10000E+01	10	.10000E+01
11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01
15	.10000E+01	16	.10000E+01
17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00
21	.00000E+00	22	.00000E+00
23	.00000E+00	24	.00000E+00

```

SOURCE ID = L0009535 ; SOURCE TYPE
= VOLUME :

```

1	.00000E+00	2	.00000E+00
3	.00000E+00	4	.00000E+00
5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00
9	.10000E+01	10	.10000E+01
11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01
15	.10000E+01	16	.10000E+01

```

SOURCE ID = L0009537 ; SOURCE TYPE
= VOLUME :

```

1	.00000E+00	2	.00000E+00
3	.00000E+00	4	.00000E+00
5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00
9	.10000E+01	10	.10000E+01
11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01
15	.10000E+01	16	.10000E+01
17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00
21	.00000E+00	22	.00000E+00
23	.00000E+00	24	.00000E+00

```

SOURCE ID = L0009538 ; SOURCE TYPE
= VOLUME :

```

1	.00000E+00	2	.00000E+00
3	.00000E+00	4	.00000E+00
5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00
9	.10000E+01	10	.10000E+01

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
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*** 14:10:43

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```

*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009541 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :
1 .00000E+00 2
* SOURCE .00000E+00 3 .00000E+00 4
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 5 .00000E+00 6
EACH HOUR OF THE DAY * .00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20

```

SOURCE ID = L0009539 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20
				.00000E+00	21 .00000E+00 22
				.00000E+00	23 .00000E+00 24
				.00000E+00	

```

SOURCE ID = L0009540 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

```

*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

```

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```

*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009546 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :
1 .00000E+00 2
* SOURCE .00000E+00 3 .00000E+00 4
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 5 .00000E+00 6
EACH HOUR OF THE DAY * .00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20

```

SOURCE ID = L0009544 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18
.00000E+00
19 .00000E+00 20
.00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0009547 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18
.00000E+00
19 .00000E+00 20
.00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0009545 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16

```

```

SOURCE ID = L0009548 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10

```

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

```

*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

```

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```

*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009551 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :
1 .00000E+00 2
* SOURCE .00000E+00 3 .00000E+00 4
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 5 .00000E+00 6
EACH HOUR OF THE DAY * .00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20

```

SOURCE ID = L0009549 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20
				.00000E+00	21 .00000E+00 22
				.00000E+00	23 .00000E+00 24
				.00000E+00	

```

SOURCE ID = L0009550 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

```

*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

```

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```

*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009556 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :
1 .00000E+00 2
* SOURCE .00000E+00 3 .00000E+00 4
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 5 .00000E+00 6
EACH HOUR OF THE DAY * .00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20
				.00000E+00	21 .00000E+00 22
				.00000E+00	23 .00000E+00 24

```

SOURCE ID = L0009554 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18
.00000E+00
19 .00000E+00 20
.00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0009557 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18
.00000E+00
19 .00000E+00 20
.00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0009555 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16

```

```

SOURCE ID = L0009558 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10

```

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

```

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```

*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009561 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :

```

```

* SOURCE .00000E+00 2
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 3 .00000E+00 4
EACH HOUR OF THE DAY * .00000E+00 5 .00000E+00 6

```

```

HOUR SCALAR HOUR SCALAR .00000E+00 7 .00000E+00 8
HOUR SCALAR HOUR SCALAR .00000E+00 9 .10000E+01 10
HOUR SCALAR HOUR SCALAR .10000E+01 11 .10000E+01 12
- - - - - .10000E+01 13 .10000E+01 14
- - - - - .10000E+01 15 .10000E+01 16
- - - - - .10000E+01 17 .00000E+00 18
- - - - - .00000E+00

```

```

SOURCE ID = L0009559 ; SOURCE TYPE
= VOLUME :

```

```

1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00 7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01 13 .10000E+01 14
.10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18
.00000E+00 19 .00000E+00 20
.00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0009560 ; SOURCE TYPE
= VOLUME :

```

```

1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00 7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01 13 .10000E+01 14
.10000E+01 15 .10000E+01 16

```

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

```

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```

*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009566 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :
1 .00000E+00 2
* SOURCE .00000E+00 3 .00000E+00 4
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 5 .00000E+00 6
EACH HOUR OF THE DAY * .00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20
				.00000E+00	21 .00000E+00 22
				.00000E+00	23 .00000E+00 24

```

SOURCE ID = L0009564 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18
.00000E+00
19 .00000E+00 20
.00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0009567 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18
.00000E+00
19 .00000E+00 20
.00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0009565 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16

```

```

SOURCE ID = L0009568 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10

```

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

```

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```

*** MODELOPTs: RegDEFAULT CONC SOURCE ID = L0009571 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :

```

```

* SOURCE .00000E+00 2
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 3 .00000E+00 4
EACH HOUR OF THE DAY * .00000E+00 5 .00000E+00 6

```

```

HOUR SCALAR HOUR SCALAR .00000E+00 7 .00000E+00 8
HOUR SCALAR HOUR SCALAR .00000E+00 9 .10000E+01 10
HOUR SCALAR HOUR SCALAR .10000E+01 11 .10000E+01 12
- - - - - .10000E+01 13 .10000E+01 14
- - - - - .10000E+01 15 .10000E+01 16
- - - - - .10000E+01 17 .00000E+00 18
- - - - - .00000E+00

```

```

SOURCE ID = L0009569 ; SOURCE TYPE
= VOLUME :

```

```

1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

```

SOURCE ID = L0009572 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

```

7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01

```

```

13 .10000E+01 14
.10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18
.00000E+00

```

```

SOURCE ID = L0009570 ; SOURCE TYPE
= VOLUME :

```

```

1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

```

SOURCE ID = L0009573 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

```

7 .00000E+00 8
.10000E+01 9 .10000E+01 10

```


Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

```

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```

*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009576 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :
1 .00000E+00 2
* SOURCE .00000E+00 3 .00000E+00 4
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 5 .00000E+00 6
EACH HOUR OF THE DAY * .00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20

```

SOURCE ID = L0009574 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2

```

.00000E+00	3	.00000E+00	4		
.00000E+00	5	.00000E+00	6		
.00000E+00	7	.00000E+00	8		
.00000E+00	9	.10000E+01	10		
.10000E+01	11	.10000E+01	12		
.10000E+01	13	.10000E+01	14		
.10000E+01	15	.10000E+01	16		
.10000E+01	17	.00000E+00	18		
.00000E+00	19	.00000E+00	20		
.00000E+00	21	.00000E+00	22		
.00000E+00	23	.00000E+00	24		
.00000E+00					

```

SOURCE ID = L0009575 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2

```

.00000E+00	3	.00000E+00	4		
.00000E+00	5	.00000E+00	6		
.00000E+00	7	.00000E+00	8		
.00000E+00	9	.10000E+01	10		
.10000E+01	11	.10000E+01	12		
.10000E+01	13	.10000E+01	14		
.10000E+01	15	.10000E+01	16		

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

```

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```

*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009581 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :

```

```

* SOURCE .00000E+00 2
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 3 .00000E+00 4
EACH HOUR OF THE DAY * .00000E+00 5 .00000E+00 6

```

```

HOUR SCALAR HOUR SCALAR .00000E+00 7 .00000E+00 8
HOUR SCALAR HOUR SCALAR .00000E+00 9 .10000E+01 10
HOUR SCALAR HOUR SCALAR .10000E+01 11 .10000E+01 12
- - - - - .10000E+01 13 .10000E+01 14
- - - - - .10000E+01 15 .10000E+01 16
- - - - - .10000E+01 17 .00000E+00 18
- - - - - .00000E+00

```

```

SOURCE ID = L0009579 ; SOURCE TYPE
= VOLUME :

```

```

1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00 7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01 13 .10000E+01 14
.10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18
.00000E+00 19 .00000E+00 20
.00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0009580 ; SOURCE TYPE
= VOLUME :

```

```

1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00 7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01 13 .10000E+01 14
.10000E+01 15 .10000E+01 16

```

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

```

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```

*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009586 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :
1 .00000E+00 2
* SOURCE .00000E+00 3 .00000E+00 4
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 5 .00000E+00 6
EACH HOUR OF THE DAY * .00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20

```

SOURCE ID = L0009584 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18
.00000E+00
19 .00000E+00 20
.00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0009587 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18
.00000E+00
19 .00000E+00 20
.00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0009585 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16

```

```

SOURCE ID = L0009588 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10

```

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

```

*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

```

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```

*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009591 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :
1 .00000E+00 2
* SOURCE .00000E+00 3 .00000E+00 4
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 5 .00000E+00 6
EACH HOUR OF THE DAY * .00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20

```

SOURCE ID = L0009589 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20
				.00000E+00	21 .00000E+00 22
				.00000E+00	23 .00000E+00 24
				.00000E+00	

```

SOURCE ID = L0009590 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

```

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```

*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009596 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :

```

```

* SOURCE .00000E+00 2
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 3 .00000E+00 4
EACH HOUR OF THE DAY * .00000E+00 5 .00000E+00 6

```

```

HOUR SCALAR HOUR SCALAR .00000E+00 7 .00000E+00 8
HOUR SCALAR HOUR SCALAR .00000E+00 9 .10000E+01 10
HOUR SCALAR HOUR SCALAR .10000E+01 11 .10000E+01 12
- - - - - .10000E+01 13 .10000E+01 14
- - - - - .10000E+01 15 .10000E+01 16
- - - - - .10000E+01 17 .00000E+00 18
- - - - - .00000E+00

```

```

SOURCE ID = L0009594 ; SOURCE TYPE
= VOLUME :

```

```

1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00 7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01 13 .10000E+01 14
.10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18
.00000E+00 19 .00000E+00 20
.00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0009595 ; SOURCE TYPE
= VOLUME :

```

```

1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00 7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01 13 .10000E+01 14
.10000E+01 15 .10000E+01 16

```

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

```

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```

*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009601 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :
1 .00000E+00 2
* SOURCE .00000E+00 3 .00000E+00 4
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 5 .00000E+00 6
EACH HOUR OF THE DAY * .00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20

```

SOURCE ID = L0009599 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20
				.00000E+00	21 .00000E+00 22
				.00000E+00	23 .00000E+00 24
				.00000E+00	

```

SOURCE ID = L0009600 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

```

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```

*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009606 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :

```

```

* SOURCE .00000E+00 2
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 3 .00000E+00 4
EACH HOUR OF THE DAY * .00000E+00 5 .00000E+00 6

```

```

HOUR SCALAR HOUR SCALAR .00000E+00 7 .00000E+00 8
HOUR SCALAR HOUR SCALAR .00000E+00 9 .10000E+01 10
HOUR SCALAR HOUR SCALAR .10000E+01 11 .10000E+01 12
- - - - - .10000E+01 13 .10000E+01 14
- - - - - .10000E+01 15 .10000E+01 16
- - - - - .10000E+01 17 .00000E+00 18
- - - - - .00000E+00

```

```

SOURCE ID = L0009604 ; SOURCE TYPE
= VOLUME :

```

```

1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18
.00000E+00
19 .00000E+00 20
.00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0009605 ; SOURCE TYPE
= VOLUME :

```

```

1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16

```

```

SOURCE ID = L0009607 ; SOURCE TYPE
= VOLUME :

```

```

1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18
.00000E+00
19 .00000E+00 20
.00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0009608 ; SOURCE TYPE
= VOLUME :

```

```

1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10

```

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

```

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```

*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009611 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :
1 .00000E+00 2
* SOURCE .00000E+00 3 .00000E+00 4
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 5 .00000E+00 6
EACH HOUR OF THE DAY * .00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20

```

SOURCE ID = L0009609 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20
				.00000E+00	21 .00000E+00 22
				.00000E+00	23 .00000E+00 24
				.00000E+00	

```

SOURCE ID = L0009610 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

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```

*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009616 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :
1 .00000E+00 2
* SOURCE .00000E+00 3 .00000E+00 4
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 5 .00000E+00 6
EACH HOUR OF THE DAY * .00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20

```

SOURCE ID = L0009614 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20
				.00000E+00	21 .00000E+00 22
				.00000E+00	23 .00000E+00 24
				.00000E+00	

```

SOURCE ID = L0009615 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

```

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```

*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009621 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :
1 .00000E+00 2
* SOURCE .00000E+00 3 .00000E+00 4
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 5 .00000E+00 6
EACH HOUR OF THE DAY * .00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20

```

SOURCE ID = L0009619 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20
				.00000E+00	21 .00000E+00 22
				.00000E+00	23 .00000E+00 24
				.00000E+00	

```

SOURCE ID = L0009620 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

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*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009626 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :
1 .00000E+00 2
* SOURCE .00000E+00 3 .00000E+00 4
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 5 .00000E+00 6
EACH HOUR OF THE DAY * .00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
1	.00000E+00	2	.00000E+00	7	.00000E+00
3	.00000E+00	4	.00000E+00	9	.10000E+01
5	.00000E+00	6	.00000E+00	11	.10000E+01
7	.00000E+00	8	.00000E+00	13	.10000E+01
9	.10000E+01	10	.10000E+01	15	.10000E+01
11	.10000E+01	12	.10000E+01	17	.00000E+00
13	.10000E+01	14	.10000E+01	19	.00000E+00
15	.10000E+01	16	.10000E+01	21	.00000E+00
17	.00000E+00	18	.00000E+00	23	.00000E+00
19	.00000E+00	20	.00000E+00	24	.00000E+00

```

SOURCE ID = L0009624 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18
.00000E+00
19 .00000E+00 20
.00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0009627 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18
.00000E+00
19 .00000E+00 20
.00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0009625 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16

```

```

SOURCE ID = L0009628 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10

```

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

```

*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

```

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```

*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009631 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :
1 .00000E+00 2
* SOURCE .00000E+00 3 .00000E+00 4
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 5 .00000E+00 6
EACH HOUR OF THE DAY * .00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20

```

SOURCE ID = L0009629 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20
				.00000E+00	21 .00000E+00 22
				.00000E+00	23 .00000E+00 24
				.00000E+00	

```

SOURCE ID = L0009630 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

```

*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

```

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```

*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009636 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :
1 .00000E+00 2
* SOURCE .00000E+00 3 .00000E+00 4
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 5 .00000E+00 6
EACH HOUR OF THE DAY * .00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20

```

SOURCE ID = L0009634 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20
				.00000E+00	21 .00000E+00 22
				.00000E+00	23 .00000E+00 24
				.00000E+00	

```

SOURCE ID = L0009635 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

```

*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

```

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```

*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009641 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :

```

```

* SOURCE .00000E+00 2
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 3 .00000E+00 4
EACH HOUR OF THE DAY * .00000E+00 5 .00000E+00 6

```

```

HOUR SCALAR HOUR SCALAR .00000E+00 7 .00000E+00 8
HOUR SCALAR HOUR SCALAR .00000E+00 9 .10000E+01 10
HOUR SCALAR HOUR SCALAR .10000E+01 11 .10000E+01 12
- - - - - .10000E+01 13 .10000E+01 14
- - - - - .10000E+01 15 .10000E+01 16
- - - - - .10000E+01 17 .00000E+00 18
- - - - - .00000E+00

```

```

SOURCE ID = L0009639 ; SOURCE TYPE
= VOLUME :

```

```

1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18
.00000E+00
19 .00000E+00 20
.00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0009640 ; SOURCE TYPE
= VOLUME :

```

```

1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16

```

```

SOURCE ID = L0009642 ; SOURCE TYPE
= VOLUME :

```

```

1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18
.00000E+00
19 .00000E+00 20
.00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0009643 ; SOURCE TYPE
= VOLUME :

```

```

1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10

```

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

```

*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

```

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```

*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009646 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :
1 .00000E+00 2
* SOURCE .00000E+00 3 .00000E+00 4
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 5 .00000E+00 6
EACH HOUR OF THE DAY * .00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.10000E+01	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20
				.00000E+00	21 .00000E+00 22
				.00000E+00	23 .00000E+00 24

```

SOURCE ID = L0009644 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18
.00000E+00
19 .00000E+00 20
.00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0009647 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18
.00000E+00
19 .00000E+00 20
.00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0009645 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16

```

```

SOURCE ID = L0009648 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10

```

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

```

*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

```

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```

*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009651 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :
1 .00000E+00 2
* SOURCE .00000E+00 3 .00000E+00 4
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 5 .00000E+00 6
EACH HOUR OF THE DAY * .00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20

```

SOURCE ID = L0009649 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2

```

.00000E+00	3	.00000E+00	4		
.00000E+00	5	.00000E+00	6		
.00000E+00	7	.00000E+00	8		
.00000E+00	9	.10000E+01	10		
.10000E+01	11	.10000E+01	12		
.10000E+01	13	.10000E+01	14		
.10000E+01	15	.10000E+01	16		
.10000E+01	17	.00000E+00	18		
.00000E+00	19	.00000E+00	20		
.00000E+00	21	.00000E+00	22		
.00000E+00	23	.00000E+00	24		
.00000E+00					

```

SOURCE ID = L0009650 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2

```

.00000E+00	3	.00000E+00	4		
.00000E+00	5	.00000E+00	6		
.00000E+00	7	.00000E+00	8		
.00000E+00	9	.10000E+01	10		
.10000E+01	11	.10000E+01	12		
.10000E+01	13	.10000E+01	14		
.10000E+01	15	.10000E+01	16		

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

```

*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

```

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```

*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009656 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :

```

```

* SOURCE .00000E+00 2
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 3 .00000E+00 4
EACH HOUR OF THE DAY * .00000E+00 5 .00000E+00 6

```

```

HOUR SCALAR HOUR SCALAR .00000E+00 7 .00000E+00 8
HOUR SCALAR HOUR SCALAR .00000E+00 9 .10000E+01 10
HOUR SCALAR HOUR SCALAR .10000E+01 11 .10000E+01 12
- - - - - .10000E+01 13 .10000E+01 14
- - - - - .10000E+01 15 .10000E+01 16
- - - - - .10000E+01 17 .00000E+00 18
- - - - - .00000E+00

```

```

SOURCE ID = L0009654 ; SOURCE TYPE
= VOLUME :

```

```

1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18
.00000E+00
19 .00000E+00 20
.00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0009655 ; SOURCE TYPE
= VOLUME :

```

```

1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16

```

```

SOURCE ID = L0009657 ; SOURCE TYPE
= VOLUME :

```

```

1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18
.00000E+00
19 .00000E+00 20
.00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0009658 ; SOURCE TYPE
= VOLUME :

```

```

1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10

```

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

```

*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

```

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```

*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009661 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :

```

```

* SOURCE .00000E+00 2
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 3 .00000E+00 4
EACH HOUR OF THE DAY * .00000E+00 5 .00000E+00 6

```

HOUR	SCALAR	HOUR	SCALAR				
1	.00000E+00	2	.00000E+00	.00000E+00	7	.00000E+00	8
3	.00000E+00	4	.00000E+00	.00000E+00	9	.10000E+01	10
5	.00000E+00	6	.00000E+00	.10000E+01	11	.10000E+01	12
7	.00000E+00	8	.00000E+00	.10000E+01	13	.10000E+01	14
9	.10000E+01	10	.10000E+01	.10000E+01	15	.10000E+01	16
11	.10000E+01	12	.10000E+01	.10000E+01	17	.00000E+00	18
13	.10000E+01	14	.10000E+01	.00000E+00	19	.00000E+00	20
15	.10000E+01	16	.10000E+01	.00000E+00	21	.00000E+00	22
17	.00000E+00	18	.00000E+00	.00000E+00	23	.00000E+00	24

```

SOURCE ID = L0009659 ; SOURCE TYPE
= VOLUME :

```

1	.00000E+00	2	.00000E+00
3	.00000E+00	4	.00000E+00
5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00
9	.10000E+01	10	.10000E+01
11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01
15	.10000E+01	16	.10000E+01
17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00
21	.00000E+00	22	.00000E+00
23	.00000E+00	24	.00000E+00

```

SOURCE ID = L0009660 ; SOURCE TYPE
= VOLUME :

```

1	.00000E+00	2	.00000E+00
3	.00000E+00	4	.00000E+00
5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00
9	.10000E+01	10	.10000E+01
11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01
15	.10000E+01	16	.10000E+01

```

SOURCE ID = L0009662 ; SOURCE TYPE
= VOLUME :

```

1	.00000E+00	2	.00000E+00
3	.00000E+00	4	.00000E+00
5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00
9	.10000E+01	10	.10000E+01
11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01
15	.10000E+01	16	.10000E+01
17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00
21	.00000E+00	22	.00000E+00
23	.00000E+00	24	.00000E+00

```

SOURCE ID = L0009663 ; SOURCE TYPE
= VOLUME :

```

1	.00000E+00	2	.00000E+00
3	.00000E+00	4	.00000E+00
5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00
9	.10000E+01	10	.10000E+01

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

```

*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

```

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```

*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009666 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :

```

```

* SOURCE
EMISSION RATE SCALARS WHICH VARY FOR
EACH HOUR OF THE DAY *

```

HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00
3	.00000E+00	4	.00000E+00
5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00
9	.10000E+01	10	.10000E+01
11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01
15	.10000E+01	16	.10000E+01
17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00
21	.00000E+00	22	.00000E+00
23	.00000E+00	24	.00000E+00

```

SOURCE ID = L0009664 ; SOURCE TYPE
= VOLUME :

```

1	.00000E+00	2	.00000E+00
3	.00000E+00	4	.00000E+00
5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00
9	.10000E+01	10	.10000E+01
11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01
15	.10000E+01	16	.10000E+01
17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00
21	.00000E+00	22	.00000E+00
23	.00000E+00	24	.00000E+00

```

SOURCE ID = L0009665 ; SOURCE TYPE
= VOLUME :

```

1	.00000E+00	2	.00000E+00
3	.00000E+00	4	.00000E+00
5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00
9	.10000E+01	10	.10000E+01
11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01
15	.10000E+01	16	.10000E+01

```

SOURCE ID = L0009666 ; SOURCE TYPE
= VOLUME :

```

1	.00000E+00	2	.00000E+00
3	.00000E+00	4	.00000E+00
5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00
9	.10000E+01	10	.10000E+01
11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01
15	.10000E+01	16	.10000E+01
17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00
21	.00000E+00	22	.00000E+00
23	.00000E+00	24	.00000E+00

```

SOURCE ID = L0009667 ; SOURCE TYPE
= VOLUME :

```

1	.00000E+00	2	.00000E+00
3	.00000E+00	4	.00000E+00
5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00
9	.10000E+01	10	.10000E+01
11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01
15	.10000E+01	16	.10000E+01
17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00
21	.00000E+00	22	.00000E+00
23	.00000E+00	24	.00000E+00

```

SOURCE ID = L0009668 ; SOURCE TYPE
= VOLUME :

```

1	.00000E+00	2	.00000E+00
3	.00000E+00	4	.00000E+00
5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00
9	.10000E+01	10	.10000E+01

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

```

*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

```

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```

*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009671 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :
1 .00000E+00 2
* SOURCE .00000E+00 3 .00000E+00 4
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 5 .00000E+00 6
EACH HOUR OF THE DAY * .00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20

```

SOURCE ID = L0009669 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20
				.00000E+00	21 .00000E+00 22
				.00000E+00	23 .00000E+00 24
				.00000E+00	

```

SOURCE ID = L0009672 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20
				.00000E+00	21 .00000E+00 22
				.00000E+00	23 .00000E+00 24
				.00000E+00	

```

SOURCE ID = L0009670 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16

```

SOURCE ID = L0009673 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```


Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
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Street\Beatrice Street.isc ***
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*** AERMET - VERSION 16216 *** ***
*** 14:10:43

```

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```

*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009676 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :
1 .00000E+00 2
* SOURCE .00000E+00 3 .00000E+00 4
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 5 .00000E+00 6
EACH HOUR OF THE DAY * .00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20

```

SOURCE ID = L0009674 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18
.00000E+00
19 .00000E+00 20
.00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0009677 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18
.00000E+00
19 .00000E+00 20
.00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0009675 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16

```

```

SOURCE ID = L0009678 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10

```

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
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Street\Beatrice Street.isc ***
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*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009681 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :
1 .00000E+00 2
* SOURCE .00000E+00 3 .00000E+00 4
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 5 .00000E+00 6
EACH HOUR OF THE DAY * .00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20

```

SOURCE ID = L0009679 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20
				.00000E+00	21 .00000E+00 22
				.00000E+00	23 .00000E+00 24
				.00000E+00	

```

SOURCE ID = L0009680 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
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```

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```

*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009686 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :

```

```

* SOURCE .00000E+00 2
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 3 .00000E+00 4
EACH HOUR OF THE DAY * .00000E+00 5 .00000E+00 6

```

```

HOUR SCALAR HOUR SCALAR .00000E+00 7 .00000E+00 8
HOUR SCALAR HOUR SCALAR .00000E+00 9 .10000E+01 10
HOUR SCALAR HOUR SCALAR .10000E+01 11 .10000E+01 12
- - - - - .10000E+01 13 .10000E+01 14
- - - - - .10000E+01 15 .10000E+01 16
- - - - - .10000E+01 17 .00000E+00 18
- - - - - .00000E+00

```

```

SOURCE ID = L0009684 ; SOURCE TYPE
= VOLUME :

```

```

1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18
.00000E+00
19 .00000E+00 20
.00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0009685 ; SOURCE TYPE
= VOLUME :

```

```

1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16

```

```

SOURCE ID = L0009687 ; SOURCE TYPE
= VOLUME :

```

```

1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18
.00000E+00
19 .00000E+00 20
.00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0009688 ; SOURCE TYPE
= VOLUME :

```

```

1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10

```

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
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```

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```

*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009691 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :

```

```

* SOURCE .00000E+00 2
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 3 .00000E+00 4
EACH HOUR OF THE DAY * .00000E+00 5 .00000E+00 6

```

```

HOUR SCALAR HOUR SCALAR .00000E+00 7 .00000E+00 8
HOUR SCALAR HOUR SCALAR .00000E+00 9 .10000E+01 10
HOUR SCALAR HOUR SCALAR .10000E+01 11 .10000E+01 12
- - - - - .10000E+01 13 .10000E+01 14
- - - - - .10000E+01 15 .10000E+01 16
- - - - - .10000E+01 17 .00000E+00 18
- - - - - .00000E+00

```

```

SOURCE ID = L0009689 ; SOURCE TYPE
= VOLUME :

```

```

1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18
.00000E+00
19 .00000E+00 20
.00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0009690 ; SOURCE TYPE
= VOLUME :

```

```

1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16

```

```

SOURCE ID = L0009692 ; SOURCE TYPE
= VOLUME :

```

```

1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18
.00000E+00
19 .00000E+00 20
.00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0009693 ; SOURCE TYPE
= VOLUME :

```

```

1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10

```


Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
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```

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```

*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009696 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :

```

```

* SOURCE .00000E+00 2
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 3 .00000E+00 4
EACH HOUR OF THE DAY * .00000E+00 5 .00000E+00 6

```

HOUR	SCALAR	HOUR	SCALAR		
				.00000E+00	8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20

```

SOURCE ID = L0009694 ; SOURCE TYPE
= VOLUME :

```

				.00000E+00	2
				.00000E+00	3 .00000E+00 4
				.00000E+00	5 .00000E+00 6
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20
				.00000E+00	21 .00000E+00 22
				.00000E+00	23 .00000E+00 24
				.00000E+00	

```

SOURCE ID = L0009695 ; SOURCE TYPE
= VOLUME :

```

				.00000E+00	2
				.00000E+00	3 .00000E+00 4
				.00000E+00	5 .00000E+00 6
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16

```

SOURCE ID = L0009697 ; SOURCE TYPE
= VOLUME :

```

				.00000E+00	2
				.00000E+00	3 .00000E+00 4
				.00000E+00	5 .00000E+00 6
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10
				.10000E+01	11 .10000E+01 12
				.10000E+01	13 .10000E+01 14
				.10000E+01	15 .10000E+01 16
				.10000E+01	17 .00000E+00 18
				.00000E+00	19 .00000E+00 20
				.00000E+00	21 .00000E+00 22
				.00000E+00	23 .00000E+00 24
				.00000E+00	

```

SOURCE ID = L0009698 ; SOURCE TYPE
= VOLUME :

```

				.00000E+00	2
				.00000E+00	3 .00000E+00 4
				.00000E+00	5 .00000E+00 6
				.00000E+00	7 .00000E+00 8
				.00000E+00	9 .10000E+01 10

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
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Street\Beatrice Street.isc ***
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```

*** MODELOPTs: RegDFAULT CONC SOURCE ID = L0009701 ; SOURCE TYPE
ELEV URBAN ADJ_U* = VOLUME :

```

```

* SOURCE .00000E+00 2
EMISSION RATE SCALARS WHICH VARY FOR .00000E+00 3 .00000E+00 4
EACH HOUR OF THE DAY * .00000E+00 5 .00000E+00 6

```

```

HOUR SCALAR HOUR SCALAR .00000E+00 7 .00000E+00 8
HOUR SCALAR HOUR SCALAR .00000E+00 9 .10000E+01 10
HOUR SCALAR HOUR SCALAR .10000E+01 11 .10000E+01 12
- - - - - .10000E+01 13 .10000E+01 14
- - - - - .10000E+01 15 .10000E+01 16
- - - - - .10000E+01 17 .00000E+00 18
- - - - - .00000E+00

```

```

SOURCE ID = L0009699 ; SOURCE TYPE
= VOLUME :

```

```

1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

```

7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18
.00000E+00
19 .00000E+00 20
.00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0009700 ; SOURCE TYPE
= VOLUME :

```

```

1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00

```

```

7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16

```

```

SOURCE ID = L0009702 ; SOURCE TYPE
= VOLUME :

```

```

1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18
.00000E+00
19 .00000E+00 20
.00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0009917 ; SOURCE TYPE
= VOLUME :

```

```

1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10

```

Beatrice Street Health Risk Assessment - AERMOD Output File

.10000E+01	11	.10000E+01	12
.10000E+01			
13	.10000E+01	14	
.10000E+01	15	.10000E+01	16
.10000E+01	17	.00000E+00	18
.00000E+00			
19	.00000E+00	20	
.00000E+00	21	.00000E+00	22
.00000E+00	23	.00000E+00	24
.00000E+00			

Beatrice Street Health Risk Assessment - AERMOD Output File

```

*** AERMOD - VERSION 22112 *** ***
.10000E+01 17 .00000E+00 18
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
.00000E+00
19 .00000E+00 20
02/29/24 .00000E+00 21 .00000E+00 22
*** AERMET - VERSION 16216 *** ***
.00000E+00 23 .00000E+00 24
*** 14:10:43 .00000E+00

```

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```

*** MODELOPTs: RegDEFAULT CONC
ELEV URBAN ADJ_U*

```

* SOURCE

EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00
3	.00000E+00	4	.00000E+00
5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00
9	.10000E+01	10	.10000E+01
11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01
15	.10000E+01	16	.10000E+01
17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00
21	.00000E+00	22	.00000E+00
23	.00000E+00	24	.00000E+00

```

SOURCE ID = L0009918 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16
.10000E+01 17 .00000E+00 18
.00000E+00
19 .00000E+00 20
.00000E+00 21 .00000E+00 22
.00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0009919 ; SOURCE TYPE
= VOLUME :
1 .00000E+00 2
.00000E+00 3 .00000E+00 4
.00000E+00 5 .00000E+00 6
.00000E+00
7 .00000E+00 8
.00000E+00 9 .10000E+01 10
.10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14
.10000E+01 15 .10000E+01 16

```

Beatrice Street Health Risk Assessment - AERMOD Output File

```

*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

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*** MODELOPTs: RegDFAULT CONC
ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

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7.5, 0.0); ( 369214.1,
3760784.8, 7.4, 7.4,
0.0); ( 369184.1, 3760794.8, 7.4,
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0.0); ( 369204.1, 3760794.8, 7.8,
7.8, 0.0); ( 369214.1,
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7.4, 0.0); ( 369234.1,
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7.6, 0.0); ( 369214.1,
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0.0); ( 369204.1, 3760814.8, 7.5,
7.5, 0.0); ( 369214.1,
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0.0); ( 369224.1, 3760814.8, 7.3,
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0.0); ( 369174.1, 3760824.8, 7.1,
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7.2, 0.0); ( 369204.1,
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0.0); ( 369214.1, 3760824.8, 7.3,
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0.0); ( 369234.1, 3760824.8, 7.3,
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7.3, 0.0); ( 369264.1,
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0.0); ( 369274.1, 3760824.8, 7.3,
7.3, 0.0); ( 369284.1,
3760824.8, 7.3, 7.3,
0.0); ( 369294.1, 3760824.8, 7.5,
7.5, 0.0); ( 369174.1,
3760834.8, 7.2, 7.2,
0.0); ( 369184.1, 3760834.8, 7.1,
7.1, 0.0); ( 369194.1,
3760834.8, 7.2, 7.2,
0.0); ( 369204.1, 3760834.8, 7.3,
7.3, 0.0); ( 369214.1,
3760834.8, 7.3, 7.3,
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7.3, 0.0); ( 369234.1,
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0.0);

```

Beatrice Street Health Risk Assessment - AERMOD Output File

3760834.8, 7.3, 7.3, 3760854.8, 7.2, 7.2,
0.0);
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7.3, 0.0); (369254.1,
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0.0);
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0.0);
(369284.1, 3760834.8, 7.3,
7.3, 0.0); (369294.1,
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0.0);
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7.5, 0.0); (369314.1,
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(369224.1, 3760844.8, 7.3,
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(369284.1, 3760844.8, 7.3,
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3760844.8, 7.3, 7.3, 3760854.8, 7.3, 7.3,
0.0);
(369304.1, 3760844.8, 7.4,
7.4, 0.0); (369314.1,
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0.0);
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7.5, 0.0); (369334.1,
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0.0);
(369164.1, 3760854.8, 7.2,
7.2, 0.0); (369174.1,

Beatrice Street Health Risk Assessment - AERMOD Output File

```

*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

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*** MODELOPTs: RegDFAULT CONC
ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

( 369324.1, 3760854.8, 7.6,
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7.2, 0.0); ( 369174.1,
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0.0);
( 369184.1, 3760864.8, 7.2,
7.2, 0.0); ( 369194.1,
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( 369204.1, 3760864.8, 7.3,
7.3, 0.0); ( 369214.1,
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0.0);
( 369224.1, 3760864.8, 7.4,
7.4, 0.0); ( 369234.1,
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0.0);
( 369244.1, 3760864.8, 7.3,
7.3, 0.0); ( 369254.1,
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( 369264.1, 3760864.8, 7.3,
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( 369284.1, 3760864.8, 7.3,
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( 369294.1, 3760874.8, 7.3, 7.3,
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( 369304.1, 3760874.8, 7.4, 7.4,
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( 369314.1, 3760874.8, 7.5, 7.5,
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( 369254.1, 3760884.8, 7.3, 7.3,
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( 369274.1, 3760884.8, 7.2, 7.2,
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( 369284.1, 3760884.8, 7.3, 7.3,
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( 369294.1, 3760884.8, 7.4, 7.4,
0.0);
( 369304.1, 3760884.8, 7.5, 7.5,
0.0);
( 369314.1, 3760884.8, 7.6, 7.6,
0.0);
( 369214.1,

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Beatrice Street Health Risk Assessment - AERMOD Output File

3760894.8,	7.2,	7.2,	3760934.8,	7.5,	7.5,
0.0);			0.0);		
(369224.1,	3760894.8,	7.3,	(369490.2,	3760974.0,	5.2,
7.3,	0.0);	(369234.1,	5.2,	0.0);	(369500.2,
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7.3,	0.0);	(369254.1,	5.4,	0.0);	(369520.2,
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0.0);			0.0);		
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3760894.8,	7.3,	7.3,	3760984.0,	5.2,	5.2,
0.0);			0.0);		
(369284.1,	3760894.8,	7.3,	(369510.2,	3760984.0,	5.2,
7.3,	0.0);	(369294.1,	5.2,	0.0);	(369520.2,
3760894.8,	7.5,	7.5,	3760984.0,	5.3,	5.3,
0.0);			0.0);		
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7.6,	0.0);	(369314.1,	5.0,	0.0);	(369520.2,
3760894.8,	7.6,	7.6,	3760994.0,	5.1,	5.1,
0.0);			0.0);		
(369234.1,	3760904.8,	7.2,	(369470.2,	3761014.0,	4.9,
7.2,	0.0);	(369244.1,	4.9,	0.0);	(369480.2,
3760904.8,	7.2,	7.2,	3761014.0,	4.9,	4.9,
0.0);			0.0);		
(369254.1,	3760904.8,	7.3,	(369470.2,	3761024.0,	5.1,
7.3,	0.0);	(369264.1,	5.1,	0.0);	(369480.2,
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0.0);			0.0);		
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0.0);					
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7.5,	0.0);	(369304.1,			
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7.3,	0.0);	(369264.1,			
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0.0);					
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7.4,	0.0);	(369284.1,			
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7.5,	0.0);	(369284.1,			
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0.0);					
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Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

PAGE 59
*** MODELOPTs: RegDFAULT CONC
ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

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5.2, 0.0); ( 369470.2,
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5.4, 0.0); ( 369490.2,
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0.0);
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5.1, 0.0); ( 369460.2,
3761054.0, 5.3, 5.3,
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5.3, 0.0); ( 369470.2,
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3761094.0, 5.2, 5.2,
0.0);
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3761134.0, 5.3, 5.3,
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5.5, 0.0); ( 369390.2,
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0.0);
( 369350.2, 3761254.0, 5.5,
5.5, 0.0); ( 369360.2,
3761254.0, 5.5, 5.5,
0.0);
( 369350.2, 3761264.0, 5.1,
5.1, 0.0); ( 369360.2,
3761264.0, 5.5, 5.5,
0.0);
( 369370.2, 3761264.0, 5.5,
5.5, 0.0); ( 369360.2,
3761274.0, 5.4, 5.4,
0.0);
( 369370.2, 3761274.0, 5.6,
5.6, 0.0); ( 368899.0,
3761085.6, 8.4, 8.4,
0.0);
( 368899.0, 3761095.6, 8.4,
8.4, 0.0); ( 368909.0,
3761095.6, 8.5, 8.5,
0.0);
( 368919.0, 3761095.6, 8.7,
8.7, 0.0); ( 368919.0,
3761105.6, 8.4, 8.4,
0.0);
( 368929.0, 3761105.6, 8.4,
8.4, 0.0); ( 368929.0,
3761105.6, 8.4,
0.0);

```

Beatrice Street Health Risk Assessment - AERMOD Output File

3761115.6,	8.2,	8.2,	3761245.6,	8.2,	8.2,
0.0);			0.0);		
(368939.0,	3761115.6,	8.2,	(369089.0,	3761245.6,	8.4,
8.2,	0.0);	(368939.0,	8.4,	0.0);	(369099.0,
3761125.6,	8.1,	8.1,	3761245.6,	8.7,	8.7,
0.0);			0.0);		
(368949.0,	3761125.6,	8.2,	(369089.0,	3761255.6,	8.3,
8.2,	0.0);	(368959.0,	8.3,	0.0);	(369099.0,
3761135.6,	8.2,	8.2,	3761255.6,	8.6,	8.6,
0.0);			0.0);		
(368969.0,	3761135.6,	8.3,	(369099.0,	3761265.6,	8.5,
8.3,	0.0);	(368969.0,	8.5,	0.0);	(369109.0,
3761145.6,	8.1,	8.1,	3761265.6,	8.5,	8.5,
0.0);			0.0);		
(368979.0,	3761145.6,	8.1,	(369119.0,	3761265.6,	8.4,
8.1,	0.0);	(368989.0,	8.4,	0.0);	(369109.0,
3761145.6,	8.1,	8.1,	3761275.6,	8.3,	8.3,
0.0);			0.0);		
(368989.0,	3761155.6,	8.0,	(369119.0,	3761275.6,	8.3,
8.0,	0.0);	(368999.0,	8.3,	0.0);	(369129.0,
3761155.6,	8.1,	8.1,	3761275.6,	8.3,	11.8,
0.0);			0.0);		
(368999.0,	3761165.6,	8.1,	(369129.0,	3761285.6,	8.5,
8.1,	0.0);	(369009.0,	8.5,	0.0);	(369129.0,
3761165.6,	8.0,	8.0,	3761295.6,	8.4,	8.4,
0.0);			0.0);		
(369009.0,	3761175.6,	7.9,	(369139.0,	3761295.6,	8.3,
7.9,	0.0);	(369019.0,	8.3,	0.0);	(369149.0,
3761175.6,	7.8,	7.8,	3761295.6,	8.2,	12.0,
0.0);			0.0);		
(369019.0,	3761185.6,	7.8,			
7.8,	0.0);	(369029.0,			
3761185.6,	7.9,	7.9,			
0.0);					
(369029.0,	3761195.6,	8.0,			
8.0,	0.0);	(369039.0,			
3761195.6,	8.2,	8.2,			
0.0);					
(369039.0,	3761205.6,	8.1,			
8.1,	0.0);	(369049.0,			
3761205.6,	8.2,	8.2,			
0.0);					
(369049.0,	3761215.6,	8.2,			
8.2,	0.0);	(369059.0,			
3761215.6,	8.4,	8.4,			
0.0);					
(369059.0,	3761225.6,	8.3,			
8.3,	0.0);	(369069.0,			
3761225.6,	8.5,	8.5,			
0.0);					
(369069.0,	3761235.6,	8.3,			
8.3,	0.0);	(369079.0,			
3761235.6,	8.4,	8.4,			
0.0);					
(369089.0,	3761235.6,	8.5,			
8.5,	0.0);	(369079.0,			

Beatrice Street Health Risk Assessment - AERMOD Output File

```
*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

PAGE 60
*** MODELOPTs: RegDEFAULT CONC
ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

( 369139.0, 3761305.6, 8.1,
8.1, 0.0); ( 369149.0,
3761305.6, 8.1, 12.0,
0.0);
( 369159.0, 3761305.6, 8.1,
12.0, 0.0); ( 369159.0,
3761315.6, 8.1, 12.0,
0.0);
( 369169.0, 3761315.6, 8.3,
12.0, 0.0); ( 369169.0,
3761325.6, 8.0, 12.0,
0.0);
( 369179.0, 3761325.6, 8.0,
12.0, 0.0); ( 369179.0,
3761335.6, 7.9, 11.8,
0.0);
( 369189.0, 3761335.6, 8.4,
11.8, 0.0); ( 369189.0,
3761345.6, 8.1, 11.8,
0.0);
( 369199.0, 3761345.6, 8.3,
12.8, 0.0); ( 369209.0,
3761345.6, 8.6, 12.8,
0.0);
( 369189.0, 3761355.6, 7.8,
7.8, 0.0); ( 369199.0,
3761355.6, 7.9, 11.8,
0.0);
( 369209.0, 3761355.6, 7.9,
12.8, 0.0); ( 369209.0,
3761365.6, 7.7, 7.7,
0.0);
( 369219.0, 3761365.6, 8.1,
12.7, 0.0); ( 369219.0,
3761375.6, 7.8, 12.7,
0.0);
( 369229.0, 3761375.6, 8.0,
12.7, 0.0); ( 369229.0,
```

Beatrice Street Health Risk Assessment - AERMOD Output File

```

*** AERMOD - VERSION 22112 ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc
02/29/24
*** AERMET - VERSION 16216 ***
*** 14:10:43
  
```

```

PAGE 61
*** MODELOPTs: RegDFAULT CONC
ELEV URBAN ADJ_U*
  
```

```

*** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***
  
```

(1=YES; 0=NO)

```

      1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1
      1 1 1 1 1 1 1 1 1 1 1 1
1 1 1
  
```

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,

Beatrice Street Health Risk Assessment - AERMOD Output File

```

*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

PAGE 62
*** MODELOPTs: RegDFAULT CONC
ELEV URBAN ADJ_U*

UP TO THE FIRST 24 HOURS OF
METEOROLOGICAL DATA ***

Surface file:
KLAX_V9_ADJU\KLAX_v9.SFC
Met Version: 16216
Profile file:
KLAX_V9_ADJU\KLAX_v9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23174
Upper air station no.: 3190
Name:
LOS_ANGELES/INT'L_ARPT
Name: UNKNOWN
Year: 2012
Year: 2012

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
- - - - -
- - - - -
- - - - -
-
12 01 01 1 01 -5.9 0.105 -9.000 -
9.000 -999. 82. 17.6 0.10 2.55
1.00 1.35 246. 10.1 282.5 2.0
12 01 01 1 02 -21.8 0.218 -9.000 -
9.000 -999. 244. 52.3 0.10 2.55
1.00 2.67 268. 10.1 282.0 2.0
12 01 01 1 03 -10.3 0.139 -9.000 -
9.000 -999. 127. 23.6 0.10 2.55
1.00 1.76 311. 10.1 281.4 2.0
12 01 01 1 04 -3.3 0.080 -9.000 -
9.000 -999. 55. 14.1 0.10 2.55
1.00 0.97 280. 10.1 282.0 2.0
12 01 01 1 05 -10.9 0.144 -9.000 -
9.000 -999. 131. 24.4 0.10 2.55
1.00 1.81 267. 10.1 281.4 2.0
12 01 01 1 06 -20.5 0.205 -9.000 -
9.000 -999. 223. 46.3 0.10 2.55
1.00 2.52 283. 10.1 282.5 2.0

12 01 01 1 07 -5.5 0.101 -9.000 -
9.000 -999. 83. 16.9 0.10 2.55
1.00 1.30 324. 10.1 281.4 2.0
12 01 01 1 08 -4.3 0.096 -9.000 -
9.000 -999. 71. 18.6 0.10 2.55
0.55 1.23 90. 10.1 282.5 2.0
12 01 01 1 09 45.7 0.183 0.378
0.007 43. 188. -12.2 0.10 2.55
0.32 1.67 106. 10.1 289.2 2.0
12 01 01 1 10 117.3 0.180 0.751
0.007 131. 184. -4.5 0.10 2.55
0.24 1.42 105. 10.1 293.8 2.0
12 01 01 1 11 168.5 0.173 1.222
0.005 391. 173. -2.8 0.10 2.55
0.21 1.25 27. 10.1 297.5 2.0
12 01 01 1 12 186.3 0.227 1.521
0.005 680. 260. -5.7 0.10 2.55
0.20 1.86 63. 10.1 299.2 2.0
12 01 01 1 13 190.2 0.253 1.817
0.005 1136. 306. -7.7 0.10 2.55
0.20 2.16 300. 10.1 296.4 2.0
12 01 01 1 14 160.2 0.448 1.842
0.005 1405. 720. -50.6 0.10 2.55
0.21 4.68 276. 10.1 291.4 2.0
12 01 01 1 15 108.6 0.466 1.661
0.005 1520. 764. -83.9 0.10 2.55
0.24 5.02 270. 10.1 289.9 2.0
12 01 01 1 16 37.3 0.455 1.167
0.005 1543. 737. -228.8 0.10 2.55
0.33 5.10 270. 10.1 288.1 2.0
12 01 01 1 17 -31.4 0.381 -9.000 -
9.000 -999. 569. 159.8 0.10 2.55
0.59 4.54 268. 10.1 287.5 2.0
12 01 01 1 18 -36.0 0.365 -9.000 -
9.000 -999. 529. 146.4 0.10 2.55
1.00 4.37 274. 10.1 286.4 2.0
12 01 01 1 19 -29.6 0.301 -9.000 -
9.000 -999. 398. 99.5 0.10 2.55
1.00 3.63 271. 10.1 286.4 2.0
12 01 01 1 20 -21.0 0.213 -9.000 -
9.000 -999. 239. 49.9 0.10 2.55
1.00 2.61 271. 10.1 286.4 2.0
12 01 01 1 21 -10.3 0.140 -9.000 -
9.000 -999. 128. 24.0 0.10 2.55
1.00 1.77 281. 10.1 286.4 2.0
12 01 01 1 22 -22.9 0.230 -9.000 -
9.000 -999. 265. 58.3 0.10 2.55
1.00 2.81 270. 10.1 285.9 2.0
12 01 01 1 23 -37.0 0.374 -9.000 -
9.000 -999. 550. 154.2 0.10 2.55
1.00 4.48 272. 10.1 285.9 2.0
12 01 01 1 24 -24.0 0.243 -9.000 -
9.000 -999. 299. 65.0 0.10 2.55
1.00 2.96 274. 10.1 285.9 2.0

First hour of profile data

```

Beatrice Street Health Risk Assessment - AERMOD Output File

```
YR MO DY HR HEIGHT F WDIR WSPD  
AMB_TMP sigmaA sigmaW sigmaV  
12 01 01 01 10.1 1 246. 1.35  
282.6 99.0 -99.00 -99.00
```

F indicates top of profile (=1) or
below (=0)

Beatrice Street Health Risk Assessment - AERMOD Output File

```

*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

PAGE 63
*** MODELOPTs: RegDFAULT CONC
ELEV URBAN ADJ_U*

*** THE
PERIOD ( 43848 HRS) AVERAGE
CONCENTRATION VALUES FOR SOURCE
GROUP: CONSTRUC ***

INCLUDING SOURCE(S): L0009489 ,
L0009490 , L0009491 , L0009492
, L0009493 ,
, L0009494 , L0009495
, L0009496 , L0009497 , L0009498
, L0009499 , L0009500 , L0009501
,
, L0009502 , L0009503
, L0009504 , L0009505 , L0009506
, L0009507 , L0009508 , L0009509
,
, L0009510 , L0009511
, L0009512 , L0009513 , L0009514
, L0009515 , L0009516 , . . .
,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF DPM IN MICROGRAMS/M**3
**

X-COORD (M) Y-COORD (M)
CONC X-COORD (M)
Y-COORD (M) CONC
- - - - -
- - - - -
- - - - -
- - - - -
369194.07 3760774.83
0.66589 369194.07
3760784.83 0.75139
369204.07 3760784.83
0.75797 369214.07
3760784.83 0.76093
369184.07 3760794.83
0.84127 369194.07
3760794.83 0.85322

369204.07 3760794.83
0.86080 369214.07
3760794.83 0.86665
369224.07 3760794.83
0.86695 369234.07
3760794.83 0.86174
369184.07 3760804.83
0.96061 369194.07
3760804.83 0.97813
369204.07 3760804.83
0.98966 369214.07
3760804.83 0.99706
369224.07 3760804.83
0.99753 369234.07
3760804.83 0.99122
369244.07 3760804.83
0.97839 369254.07
3760804.83 0.95935
369184.07 3760814.83
1.10530 369194.07
3760814.83 1.13029
369204.07 3760814.83
1.14787 369214.07
3760814.83 1.15779
369224.07 3760814.83
1.15894 369234.07
3760814.83 1.15120
369244.07 3760814.83
1.13472 369254.07
3760814.83 1.11009
369264.07 3760814.83
1.07781 369274.07
3760814.83 1.03939
369174.07 3760824.83
1.23855 369184.07
3760824.83 1.28263
369194.07 3760824.83
1.31834 369204.07
3760824.83 1.34415
369214.07 3760824.83
1.35887 369224.07
3760824.83 1.36156
369234.07 3760824.83
1.35197 369244.07
3760824.83 1.33040
369254.07 3760824.83
1.29775 369264.07
3760824.83 1.25557
369274.07 3760824.83
1.20562 369284.07
3760824.83 1.14978
369294.07 3760824.83
1.09002 369174.07
3760834.83 1.44069
369184.07 3760834.83
1.50269 369194.07
3760834.83 1.55418

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Beatrice Street Health Risk Assessment - AERMOD Output File

	369204.07	3760834.83
1.59235		369214.07
3760834.83	1.61501	
	369224.07	3760834.83
1.62059		369234.07
3760834.83	1.60863	
	369244.07	3760834.83
1.57977		369254.07
3760834.83	1.53560	
	369264.07	3760834.83
1.47869		369274.07
3760834.83	1.41202	
	369284.07	3760834.83
1.33857		369294.07
3760834.83	1.26140	
	369304.07	3760834.83
1.18333		369314.07
3760834.83	1.10687	
	369164.07	3760844.83
1.59409		369174.07
3760844.83	1.69116	
	369184.07	3760844.83
1.77992		369194.07
3760844.83	1.85572	
	369204.07	3760844.83
1.91352		369214.07
3760844.83	1.94901	
	369224.07	3760844.83
1.95943		369234.07
3760844.83	1.94403	
	369244.07	3760844.83
1.90399		369254.07
3760844.83	1.84235	
	369264.07	3760844.83
1.76368		369274.07
3760844.83	1.67299	
	369284.07	3760844.83
1.57530		369294.07
3760844.83	1.47500	
	369304.07	3760844.83
1.37574		369314.07
3760844.83	1.28011	
	369324.07	3760844.83
1.18997		369334.07
3760844.83	1.10676	
	369164.07	3760854.83
1.86821		369174.07
3760854.83	2.00508	
	369184.07	3760854.83
2.13490		369194.07
3760854.83	2.24945	
	369204.07	3760854.83
2.33951		369214.07
3760854.83	2.39657	

Beatrice Street Health Risk Assessment - AERMOD Output File

```

*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

PAGE 64
*** MODELOPTs: RegDFAULT CONC
ELEV URBAN ADJ_U*

*** THE
PERIOD ( 43848 HRS) AVERAGE
CONCENTRATION VALUES FOR SOURCE
GROUP: CONSTRUC ***

INCLUDING SOURCE(S): L0009489 ,
L0009490 , L0009491 , L0009492
, L0009493 ,
, L0009494 , L0009495
, L0009496 , L0009497 , L0009498
, L0009499 , L0009500 , L0009501
,
, L0009502 , L0009503
, L0009504 , L0009505 , L0009506
, L0009507 , L0009508 , L0009509
,
, L0009510 , L0009511
, L0009512 , L0009513 , L0009514
, L0009515 , L0009516 , . . .
,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF DPM IN MICROGRAMS/M**3
**

X-COORD (M) Y-COORD (M)
CONC X-COORD (M)
Y-COORD (M) CONC
- - - - -
- - - - -
- - - - -
- - - - -
369224.07 3760854.83
2.41515 369234.07
3760854.83 2.39397
369244.07 3760854.83
2.33573 369254.07
3760854.83 2.24657
369264.07 3760854.83
2.13502 369274.07
3760854.83 2.00990

369284.07 3760854.83
1.87904 369294.07
3760854.83 1.74837
369304.07 3760854.83
1.62215 369314.07
3760854.83 1.50281
369324.07 3760854.83
1.39159 369334.07
3760854.83 1.29098
369164.07 3760864.83
2.20645 369174.07
3760864.83 2.40314
369184.07 3760864.83
2.59754 369194.07
3760864.83 2.77633
369204.07 3760864.83
2.92211 369214.07
3760864.83 3.01714
369224.07 3760864.83
3.04974 369234.07
3760864.83 3.01756
369244.07 3760864.83
2.92742 369254.07
3760864.83 2.79323
369264.07 3760864.83
2.63180 369274.07
3760864.83 2.45814
369284.07 3760864.83
2.28283 369294.07
3760864.83 2.11252
369304.07 3760864.83
1.95138 369314.07
3760864.83 1.80168
369324.07 3760864.83
1.66396 369184.07
3760874.83 3.21119
369194.07 3760874.83
3.50116 369204.07
3760874.83 3.74951
369214.07 3760874.83
3.91639 369224.07
3760874.83 3.97329
369234.07 3760874.83
3.91662 369244.07
3760874.83 3.76661
369254.07 3760874.83
3.55794 369264.07
3760874.83 3.32381
369274.07 3760874.83
3.08441 369284.07
3760874.83 2.84971
369294.07 3760874.83
2.62546 369304.07
3760874.83 2.41568
369314.07 3760874.83
2.22266 369324.07
3760874.83 2.04735

```

Beatrice Street Health Risk Assessment - AERMOD Output File

369194.07	3760884.83
4.52866	369204.07
3760884.83	4.98030
369214.07	3760884.83
5.29532	369224.07
3760884.83	5.39488
369234.07	3760884.83
5.27670	369244.07
3760884.83	5.01118
369254.07	3760884.83
4.68963	369264.07
3760884.83	4.35836
369274.07	3760884.83
4.02705	369284.07
3760884.83	3.70271
369294.07	3760884.83
3.39321	369304.07
3760884.83	3.10452
369314.07	3760884.83
2.84080	369214.07
3760894.83	7.53933
369224.07	3760894.83
7.71503	369234.07
3760894.83	7.44710
369244.07	3760894.83
7.00951	369254.07
3760894.83	6.55725
369264.07	3760894.83
6.07460	369274.07
3760894.83	5.56961
369284.07	3760894.83
5.07172	369294.07
3760894.83	4.59917
369304.07	3760894.83
4.16297	369314.07
3760894.83	3.77357
369234.07	3760904.83
11.21214	369244.07
3760904.83	10.80634
369254.07	3760904.83
10.07605	369264.07
3760904.83	9.15453
369274.07	3760904.83
8.23110	369284.07
3760904.83	7.35047
369294.07	3760904.83
6.53808	369304.07
3760904.83	5.81789
369254.07	3760914.83
16.62994	369264.07
3760914.83	14.70838
369274.07	3760914.83
12.87851	369284.07
3760914.83	11.15530

Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

PAGE 65
*** MODELOPTs: RegDFAULT CONC
ELEV URBAN ADJ_U*

*** THE
PERIOD ( 43848 HRS) AVERAGE
CONCENTRATION VALUES FOR SOURCE
GROUP: CONSTRUC ***

INCLUDING SOURCE(S): L0009489 ,
L0009490 , L0009491 , L0009492
, L0009493 ,
, L0009494 , L0009495
, L0009496 , L0009497 , L0009498
, L0009499 , L0009500 , L0009501
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, L0009502 , L0009503
, L0009504 , L0009505 , L0009506
, L0009507 , L0009508 , L0009509
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, L0009510 , L0009511
, L0009512 , L0009513 , L0009514
, L0009515 , L0009516 , . . .
,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF DPM IN MICROGRAMS/M**3
**

X-COORD (M) Y-COORD (M)
CONC X-COORD (M)
Y-COORD (M) CONC
- - - - -
- - - - -
- - - - -
- - - - -
369294.07 3760914.83
9.67094 369304.07
3760914.83 8.40954
369274.07 3760924.83
20.56931 369284.07
3760924.83 17.42699
369294.07 3760924.83
14.72901 369294.07
3760934.83 22.46065

369490.17 3760974.00
3.93784 369500.17
3760974.00 3.65351
369510.17 3760974.00
3.39825 369520.17
3760974.00 3.16831
369490.17 3760984.00
4.23424 369500.17
3760984.00 3.92545
369510.17 3760984.00
3.64836 369520.17
3760984.00 3.39879
369510.17 3760994.00
3.85919 369520.17
3760994.00 3.59499
369470.17 3761014.00
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3761014.00 5.14875
369470.17 3761024.00
5.58512 369480.17
3761024.00 5.18158
369490.17 3761024.00
4.81685 369470.17
3761034.00 5.51544
369480.17 3761034.00
5.13418 369490.17
3761034.00 4.78745
369450.17 3761054.00
5.84799 369460.17
3761054.00 5.47959
369470.17 3761054.00
5.13906 369450.17
3761064.00 5.46619
369460.17 3761064.00
5.15129 369470.17
3761064.00 4.85699
369430.17 3761094.00
4.45943 369440.17
3761094.00 4.29151
369430.17 3761104.00
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3761104.00 3.79088
369450.17 3761104.00
3.67186 369440.17
3761114.00 3.31676
369450.17 3761114.00
3.23682 369410.17
3761134.00 2.51436
369420.17 3761134.00
2.51136 369430.17
3761134.00 2.50050
369410.17 3761144.00
2.11269 369420.17
3761144.00 2.12551
369430.17 3761144.00
2.13144 369390.17
3761174.00 1.20491

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Beatrice Street Health Risk Assessment - AERMOD Output File

	369400.17	3761174.00	
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3761184.00	1.04751		
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	369410.17	3761194.00	
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	369380.17	3761214.00	
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3761224.00	0.56369		
	369380.17	3761224.00	
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3761224.00	0.57972		
	369350.17	3761254.00	
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3761254.00	0.40796		
	369350.17	3761264.00	
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	369370.17	3761264.00	
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	369370.17	3761274.00	
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	368899.00	3761095.57	
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	368919.00	3761095.57	
0.37551			368919.00
3761105.57	0.36923		
	368929.00	3761105.57	
0.39393			368929.00
3761115.57	0.38535		
	368939.00	3761115.57	
0.41101			368939.00
3761125.57	0.39998		
	368949.00	3761125.57	
0.42617			368959.00
3761135.57	0.43959		
	368969.00	3761135.57	
0.46842			368969.00
3761145.57	0.45183		
	368979.00	3761145.57	
0.48111			368989.00
3761145.57	0.51266		
	368989.00	3761155.57	
0.49033			368999.00
3761155.57	0.52093		
	368999.00	3761165.57	
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3761165.57	0.52571		

Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

PAGE 66
*** MODELOPTs: RegDFAULT CONC
ELEV URBAN ADJ_U*

*** THE
PERIOD ( 43848 HRS) AVERAGE
CONCENTRATION VALUES FOR SOURCE
GROUP: CONSTRUC ***

INCLUDING SOURCE(S): L0009489 ,
L0009490 , L0009491 , L0009492
, L0009493 ,
, L0009494 , L0009495
, L0009496 , L0009497 , L0009498
, L0009499 , L0009500 , L0009501
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, L0009502 , L0009503
, L0009504 , L0009505 , L0009506
, L0009507 , L0009508 , L0009509
,
, L0009510 , L0009511
, L0009512 , L0009513 , L0009514
, L0009515 , L0009516 , . . .
,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF DPM IN MICROGRAMS/M**3
**

X-COORD (M) Y-COORD (M)
CONC X-COORD (M)
Y-COORD (M) CONC
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- - - - -
- - - - -
- - - - -
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3761175.57 0.52685 369019.00 3761185.57
0.49677 369019.00 3761185.57 369029.00
3761185.57 0.52251 369029.00 3761195.57
0.49047 369029.00 3761195.57 369039.00
3761195.57 0.51333 369039.00 3761205.57
0.48103 369049.00 3761205.57 369049.00
3761205.57 0.50129 369049.00 3761215.57
0.46776 369049.00 3761215.57 369059.00
3761215.57 0.48419 369059.00 3761225.57
0.45091 369059.00 3761225.57 369069.00
3761225.57 0.46502 369069.00 3761235.57
0.43273 369069.00 3761235.57 369079.00
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0.45473 369089.00 3761245.57 369079.00
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0.42099 369089.00 3761255.57 369099.00
3761255.57 0.42817 369099.00 3761265.57
0.39033 369099.00 3761265.57 369099.00
3761265.57 0.39577 369099.00 3761275.57
0.36716 369119.00 3761275.57 369109.00
3761275.57 0.37205 369119.00 3761285.57
0.37769 369119.00 3761285.57 369109.00
3761275.57 0.34571 369119.00 3761295.57
0.34936 369129.00 3761295.57 369129.00
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0.32499 369139.00 3761305.57 369129.00
3761295.57 0.30166 369139.00 3761315.57
0.30339 369139.00 3761315.57 369149.00
3761295.57 0.30508 369139.00 3761325.57
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0.28332 369159.00 3761335.57 369159.00
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0.26258 369169.00 3761345.57 369169.00
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0.24484 369179.00 3761355.57 369179.00
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0.21114 369199.00 3761375.57 369209.00
3761345.57 0.20954 369199.00 3761385.57
0.19910 369189.00 3761385.57 369199.00
3761355.57 0.19851 369189.00 3761395.57

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Beatrice Street Health Risk Assessment - AERMOD Output File

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	369229.00	3761375.57	
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	369239.00	3761385.57	
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3761395.57	0.15183		
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	369269.00	3761405.57	
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0.13495			

Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

PAGE 67
*** MODELOPTs: RegDFAULT CONC
ELEV URBAN ADJ_U*

*** THE
PERIOD ( 43848 HRS) AVERAGE
CONCENTRATION VALUES FOR SOURCE
GROUP: GEN ***

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF DPM IN MICROGRAMS/M**3
**

X-COORD (M) Y-COORD (M)
CONC X-COORD (M)
Y-COORD (M) CONC
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- - - - -
- - - - -
- - - - -
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369204.07 3760784.83
1.57105 369214.07
3760784.83 1.57151
369184.07 3760794.83
1.61821 369194.07
3760794.83 1.61785
369204.07 3760794.83
1.61678 369214.07
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369224.07 3760794.83
1.62074 369234.07
3760794.83 1.62220
369184.07 3760804.83
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369204.07 3760804.83
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369244.07 3760804.83
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369224.07 3760814.83
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1.73442 369254.07
3760814.83 1.73227
369264.07 3760814.83
1.73406 369274.07
3760814.83 1.73038
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Beatrice Street Health Risk Assessment - AERMOD Output File

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	369184.07	3760844.83
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	369204.07	3760844.83
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	369224.07	3760844.83
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	369244.07	3760844.83
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	369264.07	3760844.83
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	369284.07	3760844.83
1.92161		369294.07
3760844.83	1.90403	
	369304.07	3760844.83
1.88269		369314.07
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	369324.07	3760844.83
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	369184.07	3760854.83
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	369204.07	3760854.83
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3760854.83	2.01651	

Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

PAGE 68
*** MODELOPTs: RegDFAULT CONC
ELEV URBAN ADJ_U*

*** THE
PERIOD ( 43848 HRS) AVERAGE
CONCENTRATION VALUES FOR SOURCE
GROUP: GEN ***

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF DPM IN MICROGRAMS/M**3
**

X-COORD (M) Y-COORD (M)
CONC X-COORD (M)
Y-COORD (M) CONC
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369244.07 3760854.83
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369264.07 3760854.83
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3760854.83 2.01752
369284.07 3760854.83
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3760854.83 1.97779
369304.07 3760854.83
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369164.07 3760864.83
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3760864.83 2.05941
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3760864.83 2.08313

369204.07 3760864.83
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3760864.83 2.13370
369244.07 3760864.83
2.13758 369254.07
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3760864.83 2.10949
369284.07 3760864.83
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3760864.83 2.05800
369304.07 3760864.83
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3760864.83 1.98970
369324.07 3760864.83
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369194.07 3760874.83
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3760874.83 2.20380
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3760874.83 2.23787
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2.24882 369244.07
3760874.83 2.25271
369254.07 3760874.83
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3760874.83 2.23471
369274.07 3760874.83
2.21142 369284.07
3760874.83 2.18219
369294.07 3760874.83
2.14577 369304.07
3760874.83 2.10508
369314.07 3760874.83
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3760874.83 2.01927
369194.07 3760884.83
2.29525 369204.07
3760884.83 2.32405
369214.07 3760884.83
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2.38232 369244.07
3760884.83 2.38621
369254.07 3760884.83
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Beatrice Street Health Risk Assessment - AERMOD Output File

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	369274.07	3760904.83
2.60868		369284.07
3760904.83	2.53972	
	369294.07	3760904.83
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	369254.07	3760914.83
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	369274.07	3760914.83
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Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

PAGE 69
*** MODELOPTs: RegDFAULT CONC
ELEV URBAN ADJ_U*

*** THE
PERIOD ( 43848 HRS) AVERAGE
CONCENTRATION VALUES FOR SOURCE
GROUP: GEN ***

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF DPM IN MICROGRAMS/M**3
**

X-COORD (M) Y-COORD (M)
CONC X-COORD (M)
Y-COORD (M) CONC
- - - - -
- - - - -
- - - - -
- - - - -
369294.07 3760914.83
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3760914.83 2.50342
369274.07 3760924.83
2.96430 369284.07
3760924.83 2.84931
369294.07 3760924.83
2.73490 369294.07
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369510.17 3760974.00
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3760974.00 4.81121
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3761014.00 8.34393
369470.17 3761024.00
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3761054.00 12.30757
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3761064.00 12.05942
369430.17 3761094.00
14.02022 369440.17
3761094.00 13.50428
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3761104.00 12.88038
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3761114.00 12.08789
369450.17 3761114.00
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3761134.00 10.19949
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10.26351 369430.17
3761134.00 10.28313
369410.17 3761144.00
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3761144.00 9.10410
369430.17 3761144.00
9.21038 369390.17
3761174.00 5.34024
369400.17 3761174.00
5.66790 369400.17
3761184.00 4.94767
369410.17 3761184.00
5.23637 369400.17
3761194.00 4.34101
369410.17 3761194.00
4.61276 369370.17
3761214.00 2.72868
369380.17 3761214.00
2.94644 369370.17
3761224.00 2.46481
369380.17 3761224.00
2.65007 369390.17
3761224.00 2.84312

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Beatrice Street Health Risk Assessment - AERMOD Output File

	369350.17	3761254.00	
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3761254.00	1.84208		
	369350.17	3761264.00	
1.64556			369360.17
3761264.00	1.73184		
	369370.17	3761264.00	
1.81221			369360.17
3761274.00	1.63615		
	369370.17	3761274.00	
1.71155			368899.00
3761085.57	2.72214		
	368899.00	3761095.57	
2.67937			368909.00
3761095.57	2.70177		
	368919.00	3761095.57	
2.72465			368919.00
3761105.57	2.68891		
	368929.00	3761105.57	
2.71843			368929.00
3761115.57	2.66691		
	368939.00	3761115.57	
2.69113			368939.00
3761125.57	2.62290		
	368949.00	3761125.57	
2.63775			368959.00
3761135.57	2.57045		
	368969.00	3761135.57	
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	368979.00	3761145.57	
2.52267			368989.00
3761145.57	2.53370		
	368989.00	3761155.57	
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3761155.57	2.44851		
	368999.00	3761165.57	
2.35730			369009.00
3761165.57	2.36673		

Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

PAGE 70
*** MODELOPTs: RegDFAULT CONC
ELEV URBAN ADJ_U*

*** THE
PERIOD ( 43848 HRS) AVERAGE
CONCENTRATION VALUES FOR SOURCE
GROUP: GEN ***

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF DPM IN MICROGRAMS/M**3
**

X-COORD (M) Y-COORD (M)
CONC X-COORD (M)
Y-COORD (M) CONC
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- - - - -
- - - - -
- - - - -
369009.00 3761175.57
2.28709 369019.00
3761175.57 2.30072
369019.00 3761185.57
2.20728 369029.00
3761185.57 2.19882
369029.00 3761195.57
2.10426 369039.00
3761195.57 2.09473
369039.00 3761205.57
2.02256 369049.00
3761205.57 2.01441
369049.00 3761215.57
1.93732 369059.00
3761215.57 1.92028
369059.00 3761225.57
1.85007 369069.00
3761225.57 1.83848
369069.00 3761235.57
1.77780 369079.00
3761235.57 1.76646
369089.00 3761235.57
1.74825 369079.00
3761245.57 1.70861
369089.00 3761245.57
1.68602 369099.00
3761245.57 1.66186
369089.00 3761255.57
1.62893 369099.00
3761255.57 1.60138
369099.00 3761265.57
1.55220 369109.00
3761265.57 1.53619
369119.00 3761265.57
1.53242 369109.00
3761275.57 1.49749
369119.00 3761275.57
1.48407 369129.00
3761275.57 1.46914
369129.00 3761285.57
1.41505 369129.00
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369139.00 3761295.57
1.36944 369149.00
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1.32311 369159.00
3761315.57 1.29453
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3761325.57 1.26361
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1.25769 369179.00
3761335.57 1.23329
369189.00 3761335.57
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3761345.57 1.19558
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1.18085 369209.00
3761345.57 1.16939
369189.00 3761355.57
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369219.00 3761365.57
1.14601 369219.00
3761375.57 1.14034
369229.00 3761375.57
1.12919 369229.00
3761385.57 1.11937
369239.00 3761385.57
1.12181 369239.00
3761395.57 1.09946
369249.00 3761395.57
1.10210 369259.00
3761395.57 1.10500

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Beatrice Street Health Risk Assessment - AERMOD Output File

	369249.00	3761405.57	
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3761405.57	1.08314		
	369269.00	3761405.57	
1.08610			369259.00
3761415.57	1.06190		
	369269.00	3761415.57	
1.06462			

Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

PAGE 71
*** MODELOPTs: RegDFAULT CONC
ELEV URBAN ADJ_U*

*** THE
PERIOD ( 43848 HRS) AVERAGE
CONCENTRATION VALUES FOR SOURCE
GROUP: LOADING ***

INCLUDING SOURCE(S): L0009917 ,
L0009918 , L0009919 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF DPM IN MICROGRAMS/M**3
**

X-COORD (M) Y-COORD (M)
CONC X-COORD (M)
Y-COORD (M) CONC
- - - - -
- - - - -
- - - - -
- - - - -
369194.07 3760774.83
0.36176 369194.07
3760784.83 0.39629
369204.07 3760784.83
0.39699 369214.07
3760784.83 0.39688
369184.07 3760794.83
0.43383 369194.07
3760794.83 0.43564
369204.07 3760794.83
0.43655 369214.07
3760794.83 0.43655
369224.07 3760794.83
0.43556 369234.07
3760794.83 0.43351
369184.07 3760804.83
0.47844 369194.07
3760804.83 0.48084
369204.07 3760804.83
0.48210 369214.07
3760804.83 0.48226

369224.07 3760804.83
0.48118 369234.07
3760804.83 0.47879
369244.07 3760804.83
0.47504 369254.07
3760804.83 0.46990
369184.07 3760814.83
0.52968 369194.07
3760814.83 0.53293
369204.07 3760814.83
0.53468 369214.07
3760814.83 0.53505
369224.07 3760814.83
0.53385 369234.07
3760814.83 0.53104
369244.07 3760814.83
0.52658 369254.07
3760814.83 0.52046
369264.07 3760814.83
0.51251 369274.07
3760814.83 0.50293
369174.07 3760824.83
0.58245 369184.07
3760824.83 0.58883
369194.07 3760824.83
0.59322 369204.07
3760824.83 0.59572
369214.07 3760824.83
0.59634 369224.07
3760824.83 0.59501
369234.07 3760824.83
0.59172 369244.07
3760824.83 0.58641
369254.07 3760824.83
0.57905 369264.07
3760824.83 0.56969
369274.07 3760824.83
0.55834 369284.07
3760824.83 0.54507
369294.07 3760824.83
0.53002 369174.07
3760834.83 0.64913
369184.07 3760834.83
0.65743 369194.07
3760834.83 0.66329
369204.07 3760834.83
0.66676 369214.07
3760834.83 0.66786
369224.07 3760834.83
0.66651 369234.07
3760834.83 0.66270
369244.07 3760834.83
0.65639 369254.07
3760834.83 0.64756
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0.63624 369274.07
3760834.83 0.62251

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Beatrice Street Health Risk Assessment - AERMOD Output File

	369284.07	3760834.83
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	369304.07	3760834.83
0.56839		369314.07
3760834.83	0.54722	
	369164.07	3760844.83
0.71295		369174.07
3760844.83	0.72677	
	369184.07	3760844.83
0.73760		369194.07
3760844.83	0.74545	
	369204.07	3760844.83
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3760844.83	0.75208	
	369224.07	3760844.83
0.75078		369234.07
3760844.83	0.74638	
	369244.07	3760844.83
0.73884		369254.07
3760844.83	0.72813	
	369264.07	3760844.83
0.71432		369274.07
3760844.83	0.69749	
	369284.07	3760844.83
0.67788		369294.07
3760844.83	0.65578	
	369304.07	3760844.83
0.63164		369314.07
3760844.83	0.60592	
	369324.07	3760844.83
0.57910		369334.07
3760844.83	0.55175	
	369164.07	3760854.83
0.79993		369174.07
3760854.83	0.81773	
	369184.07	3760854.83
0.83201		369194.07
3760854.83	0.84257	
	369204.07	3760854.83
0.84932		369214.07
3760854.83	0.85215	

Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

PAGE 72
*** MODELOPTs: RegDFAULT CONC
ELEV URBAN ADJ_U*

*** THE
PERIOD ( 43848 HRS) AVERAGE
CONCENTRATION VALUES FOR SOURCE
GROUP: LOADING ***

INCLUDING SOURCE(S): L0009917 ,
L0009918 , L0009919 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF DPM IN MICROGRAMS/M**3
**

X-COORD (M) Y-COORD (M)
CONC X-COORD (M)
Y-COORD (M) CONC
- - - - -
- - - - -
- - - - -
- - - - -
369224.07 3760854.83
0.85099 369234.07
3760854.83 0.84588
369244.07 3760854.83
0.83680 369254.07
3760854.83 0.82367
369264.07 3760854.83
0.80661 369274.07
3760854.83 0.78581
369284.07 3760854.83
0.76160 369294.07
3760854.83 0.73442
369304.07 3760854.83
0.70489 369314.07
3760854.83 0.67345
369324.07 3760854.83
0.64087 369334.07
3760854.83 0.60798
369164.07 3760864.83
0.90171 369174.07
3760864.83 0.92508

369184.07 3760864.83
0.94408 369194.07
3760864.83 0.95840
369204.07 3760864.83
0.96783 369214.07
3760864.83 0.97214
369224.07 3760864.83
0.97133 369234.07
3760864.83 0.96540
369244.07 3760864.83
0.95432 369254.07
3760864.83 0.93803
369264.07 3760864.83
0.91670 369274.07
3760864.83 0.89066
369284.07 3760864.83
0.86037 369294.07
3760864.83 0.82652
369304.07 3760864.83
0.78995 369314.07
3760864.83 0.75135
369324.07 3760864.83
0.71176 369184.07
3760874.83 1.07814
369194.07 3760874.83
1.09772 369204.07
3760874.83 1.11096
369214.07 3760874.83
1.11755 369224.07
3760874.83 1.11736
369234.07 3760874.83
1.11043 369244.07
3760874.83 1.09674
369254.07 3760874.83
1.07628 369264.07
3760874.83 1.04925
369274.07 3760874.83
1.01621 369284.07
3760874.83 0.97789
369294.07 3760874.83
0.93524 369304.07
3760874.83 0.88951
369314.07 3760874.83
0.84179 369324.07
3760874.83 0.79334
369194.07 3760884.83
1.26688 369204.07
3760884.83 1.28568
369214.07 3760884.83
1.29566 369224.07
3760884.83 1.29659
369234.07 3760884.83
1.28849 369244.07
3760884.83 1.27136
369254.07 3760884.83
1.24524 369264.07
3760884.83 1.21050

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Beatrice Street Health Risk Assessment - AERMOD Output File

	369274.07	3760884.83	
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	369294.07	3760884.83	
1.06456			369304.07
3760884.83	1.00678		
	369314.07	3760884.83	
0.94729			369214.07
3760894.83	1.51679		
	369224.07	3760894.83	
1.51969			369234.07
3760894.83	1.51018		
	369244.07	3760894.83	
1.48829			369254.07
3760894.83	1.45428		
	369264.07	3760894.83	
1.40882			369274.07
3760894.83	1.35328		
	369284.07	3760894.83	
1.28943			369294.07
3760894.83	1.21943		
	369304.07	3760894.83	
1.14582			369314.07
3760894.83	1.07096		
	369234.07	3760904.83	
1.79005			369244.07
3760904.83	1.76165		
	369254.07	3760904.83	
1.71656			369264.07
3760904.83	1.65602		
	369274.07	3760904.83	
1.58216			369284.07
3760904.83	1.49784		
	369294.07	3760904.83	
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3760904.83	1.31163		
	369254.07	3760914.83	
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	369274.07	3760914.83	
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3760914.83	1.75512		

Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

PAGE 73
*** MODELOPTs: RegDFAULT CONC
ELEV URBAN ADJ_U*

*** THE
PERIOD ( 43848 HRS) AVERAGE
CONCENTRATION VALUES FOR SOURCE
GROUP: LOADING ***

INCLUDING SOURCE(S): L0009917 ,
L0009918 , L0009919 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF DPM IN MICROGRAMS/M**3
**

X-COORD (M) Y-COORD (M)
CONC X-COORD (M)
Y-COORD (M) CONC
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- - - - -
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3760914.83 1.51069
369274.07 3760924.83
2.23108 369284.07
3760924.83 2.07633
369294.07 3760924.83
1.91385 369294.07
3760934.83 2.26009
369490.17 3760974.00
1.80587 369500.17
3760974.00 1.72526
369510.17 3760974.00
1.64860 369520.17
3760974.00 1.57586
369490.17 3760984.00
2.16680 369500.17
3760984.00 2.05576
369510.17 3760984.00
1.95186 369520.17
3760984.00 1.85459

369510.17 3760994.00
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3760994.00 2.15728
369470.17 3761014.00
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3761014.00 3.69042
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3761024.00 4.17356
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3761034.00 5.02201
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3761034.00 4.26985
369450.17 3761054.00
6.93789 369460.17
3761054.00 6.33049
369470.17 3761054.00
5.79627 369450.17
3761064.00 7.18311
369460.17 3761064.00
6.56445 369470.17
3761064.00 6.01824
369430.17 3761094.00
8.03913 369440.17
3761094.00 7.42784
369430.17 3761104.00
7.43967 369440.17
3761104.00 6.93778
369450.17 3761104.00
6.47221 369440.17
3761114.00 6.34538
369450.17 3761114.00
5.97417 369410.17
3761134.00 5.56783
369420.17 3761134.00
5.40299 369430.17
3761134.00 5.22172
369410.17 3761144.00
4.67583 369420.17
3761144.00 4.59676
369430.17 3761144.00
4.49659 369390.17
3761174.00 2.53415
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369410.17 3761194.00
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Beatrice Street Health Risk Assessment - AERMOD Output File

369380.17	3761224.00	
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3761264.00	0.57014	
369370.17	3761264.00	
0.57347		369360.17
3761274.00	0.51361	
369370.17	3761274.00	
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368899.00	3761095.57	
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368919.00	3761095.57	
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3761105.57	0.39132	
368929.00	3761105.57	
0.41971		368929.00
3761115.57	0.41596	
368939.00	3761115.57	
0.44653		368939.00
3761125.57	0.44015	
368949.00	3761125.57	
0.47265		368959.00
3761135.57	0.49816	
368969.00	3761135.57	
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3761145.57	0.52339	
368979.00	3761145.57	
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368989.00	3761155.57	
0.58818		368999.00
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Beatrice Street Health Risk Assessment - AERMOD Output File

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*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice
Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43

PAGE 74
*** MODELOPTs: RegDFAULT CONC
ELEV URBAN ADJ_U*

*** THE
PERIOD ( 43848 HRS) AVERAGE
CONCENTRATION VALUES FOR SOURCE
GROUP: LOADING ***

INCLUDING SOURCE(S): L0009917 ,
L0009918 , L0009919 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF DPM IN MICROGRAMS/M**3
**

X-COORD (M) Y-COORD (M)
CONC X-COORD (M)
Y-COORD (M) CONC
- - - - -
- - - - -
- - - - -
- - - - -
369009.00 3761175.57
0.62802 369019.00
3761175.57 0.67442
369019.00 3761185.57
0.64157 369029.00
3761185.57 0.68691
369029.00 3761195.57
0.64969 369039.00
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369039.00 3761205.57
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369049.00 3761215.57
0.64731 369059.00
3761215.57 0.68195
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0.61926 369079.00
3761235.57 0.64590

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3761295.57 0.45036
369139.00 3761305.57
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3761305.57 0.41359
369159.00 3761305.57
0.41490 369159.00
3761315.57 0.38166
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3761325.57 0.35205
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3761335.57 0.32477
369189.00 3761335.57
0.32267 369189.00
3761345.57 0.29981
369199.00 3761345.57
0.29792 369209.00
3761345.57 0.29507
369189.00 3761355.57
0.27806 369199.00
3761355.57 0.27725
369209.00 3761355.57
0.27630 369209.00
3761365.57 0.25678
369219.00 3761365.57
0.25569 369219.00
3761375.57 0.23824
369229.00 3761375.57
0.23728 369229.00
3761385.57 0.22147
369239.00 3761385.57
0.22058 369239.00
3761395.57 0.20633

```

Beatrice Street Health Risk Assessment - AERMOD Output File

	369249.00	3761395.57	
0.20550			369259.00
3761395.57	0.20464		
	369249.00	3761405.57	
0.19259			369259.00
3761405.57	0.19177		
	369269.00	3761405.57	
0.19095			369259.00
3761415.57	0.18005		
	369269.00	3761415.57	
0.17933			

Beatrice Street Health Risk Assessment - AERMOD Output File

```

*** AERMOD - VERSION 22112 *** ***
C:\Users\M.McPherson\Desktop\Beatrice Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** ***
*** 14:10:43
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*** MODELOPTs: RegDFAULT CONC
ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (
43848 HRS) RESULTS ***

CONC OF DPM IN MICROGRAMS/M**3
**

NETWORK
GROUP ID AVERAGE
CONC RECEPTOR (XR, YR,
ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID
- - - - -
- - - - -
- - - - -

CONSTRUC 1ST HIGHEST VALUE IS
22.46065 AT ( 369294.07, 3760934.83,
7.50, 7.50, 0.00) DC
2ND HIGHEST VALUE IS
20.56931 AT ( 369274.07, 3760924.83,
7.45, 7.45, 0.00) DC
3RD HIGHEST VALUE IS
17.42699 AT ( 369284.07, 3760924.83,
7.51, 7.51, 0.00) DC
4TH HIGHEST VALUE IS
16.62994 AT ( 369254.07, 3760914.83,
7.27, 7.27, 0.00) DC
5TH HIGHEST VALUE IS
14.72901 AT ( 369294.07, 3760924.83,
7.58, 7.58, 0.00) DC
6TH HIGHEST VALUE IS
14.70838 AT ( 369264.07, 3760914.83,
7.35, 7.35, 0.00) DC
7TH HIGHEST VALUE IS
12.87851 AT ( 369274.07, 3760914.83,
7.43, 7.43, 0.00) DC
8TH HIGHEST VALUE IS
11.21214 AT ( 369234.07, 3760904.83,
7.21, 7.21, 0.00) DC
9TH HIGHEST VALUE IS
11.15530 AT ( 369284.07, 3760914.83,
7.51, 7.51, 0.00) DC

10TH HIGHEST VALUE IS
10.80634 AT ( 369244.07, 3760904.83,
7.23, 7.23, 0.00) DC

GEN 1ST HIGHEST VALUE IS
14.02022 AT ( 369430.17, 3761094.00,
5.15, 5.15, 0.00) DC
2ND HIGHEST VALUE IS
13.50428 AT ( 369440.17, 3761094.00,
5.24, 5.24, 0.00) DC
3RD HIGHEST VALUE IS
13.29770 AT ( 369450.17, 3761064.00,
5.08, 5.08, 0.00) DC
4TH HIGHEST VALUE IS
13.26510 AT ( 369430.17, 3761104.00,
5.25, 5.25, 0.00) DC
5TH HIGHEST VALUE IS
12.93483 AT ( 369450.17, 3761054.00,
5.09, 5.09, 0.00) DC
6TH HIGHEST VALUE IS
12.88038 AT ( 369440.17, 3761104.00,
5.36, 5.36, 0.00) DC
7TH HIGHEST VALUE IS
12.67186 AT ( 369460.17, 3761064.00,
5.27, 5.27, 0.00) DC
8TH HIGHEST VALUE IS
12.46081 AT ( 369450.17, 3761104.00,
5.39, 5.39, 0.00) DC
9TH HIGHEST VALUE IS
12.30757 AT ( 369460.17, 3761054.00,
5.27, 5.27, 0.00) DC
10TH HIGHEST VALUE IS
12.08789 AT ( 369440.17, 3761114.00,
5.44, 5.44, 0.00) DC

LOADING 1ST HIGHEST VALUE IS
8.03913 AT ( 369430.17, 3761094.00,
5.15, 5.15, 0.00) DC
2ND HIGHEST VALUE IS
7.43967 AT ( 369430.17, 3761104.00,
5.25, 5.25, 0.00) DC
3RD HIGHEST VALUE IS
7.42784 AT ( 369440.17, 3761094.00,
5.24, 5.24, 0.00) DC
4TH HIGHEST VALUE IS
7.18311 AT ( 369450.17, 3761064.00,
5.08, 5.08, 0.00) DC
5TH HIGHEST VALUE IS
6.93789 AT ( 369450.17, 3761054.00,
5.09, 5.09, 0.00) DC
6TH HIGHEST VALUE IS
6.93778 AT ( 369440.17, 3761104.00,
5.36, 5.36, 0.00) DC
7TH HIGHEST VALUE IS
6.56445 AT ( 369460.17, 3761064.00,
5.27, 5.27, 0.00) DC

```

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8TH HIGHEST VALUE IS
6.47221 AT (369450.17, 3761104.00,
5.39, 5.39, 0.00) DC
9TH HIGHEST VALUE IS
6.34538 AT (369440.17, 3761114.00,
5.44, 5.44, 0.00) DC
10TH HIGHEST VALUE IS
6.33049 AT (369460.17, 3761054.00,
5.27, 5.27, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

Beatrice Street Health Risk Assessment - AERMOD Output File

*** AERMOD - VERSION 22112 *** **
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Street\Beatrice Street.isc ***
02/29/24
*** AERMET - VERSION 16216 *** **
*** 14:10:43

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*** MODELOPTs: RegDFAULT CONC
ELEV URBAN ADJ_U*

*** Message Summary : AERMOD Model
Execution ***

----- Summary of Total Messages -

A Total of 0 Fatal Error
Message(s)
A Total of 2 Warning
Message(s)
A Total of 718 Informational
Message(s)

A Total of 43848 Hours Were
Processed

A Total of 458 Calm Hours
Identified

A Total of 260 Missing Hours
Identified (0.59 Percent)

***** FATAL ERROR MESSAGES

*** NONE ***

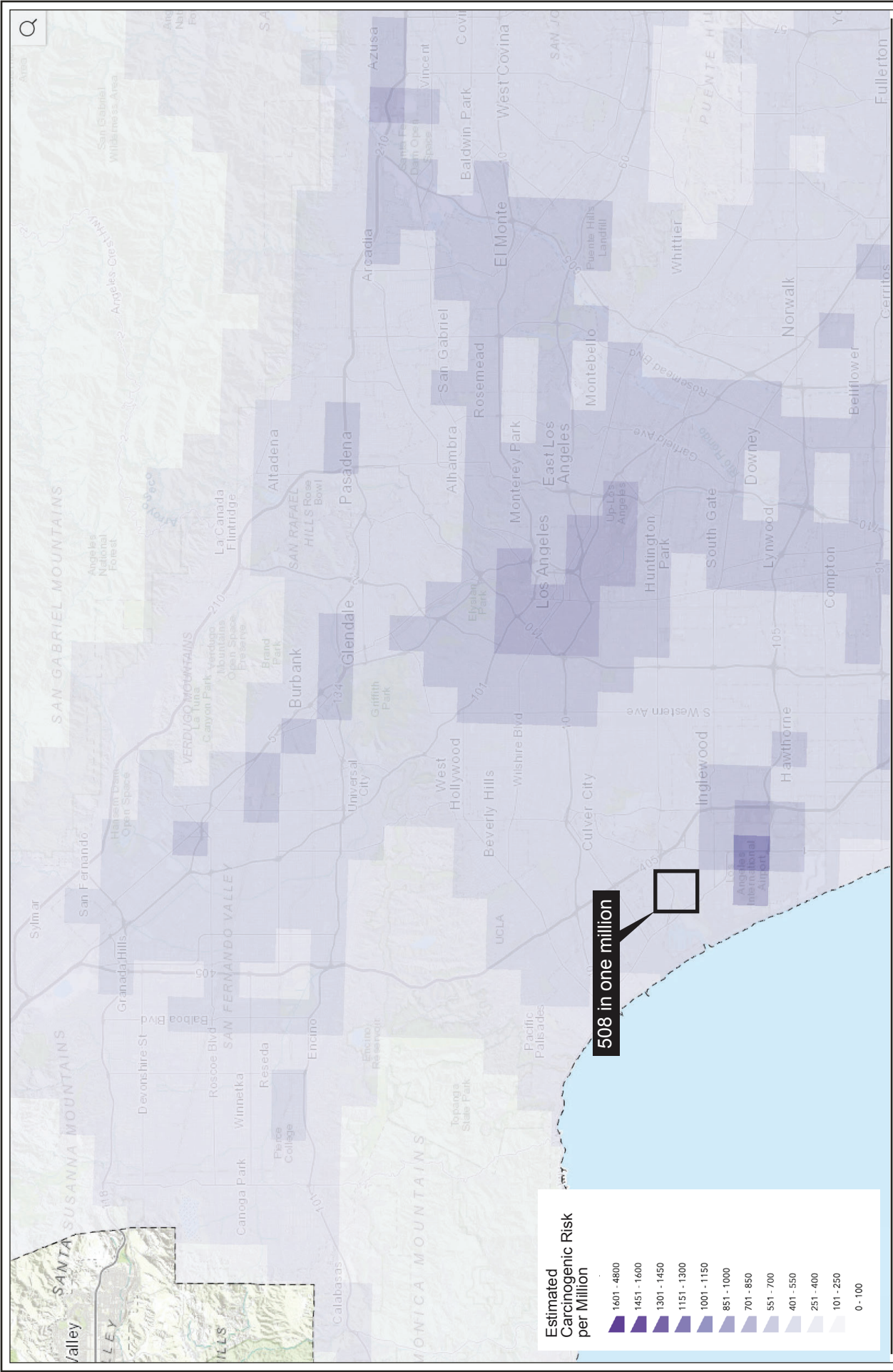
***** WARNING MESSAGES

ME W186 1458 MEOpen:
THRESH_1MIN 1-min ASOS wind speed
threshold used 0.50
ME W187 1458 MEOpen: ADJ_U*
Option for Stable Low Winds used in
AERMET

*** AERMOD Finishes Successfully

Appendix D

MATES V Total Cancer Risk for Project Site



MATES V Total Cancer Risk for the Project Area