# Appendix B1
Air Quality Assessment

# AIR QUALITY ASSESSMENT

## Carlton Oaks Country Club and Resort
## City of Santee, CA

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# 1.0 INTRODUCTION

## 1.1 Purpose of this Report

Carlton Oaks Golf Course ownership and Lennar Homes, as joint project proponents, are proposing to redevelop the existing Carlton Oaks Country Club Resort (COCCR) into a modern self-sustaining destination resort with an added residential accessory use on roughly 100.6 acres in the City of Santee and 64.2 acres in the City of San Diego, for a total of 165 acres ("project site"). The project components include redoing the existing golf course and demolishing the existing resort facilities and then re-constructing the redesigned resort. Approximately 3.5 acres consist of areas outside of the project site that will be developed with improvements associated with the project and are located either in the City of San Diego or City of Santee (offsite improvement areas). The offsite improvement areas and the proposed project site make up the CEQA Study Area of a total of approximately 169 acres.

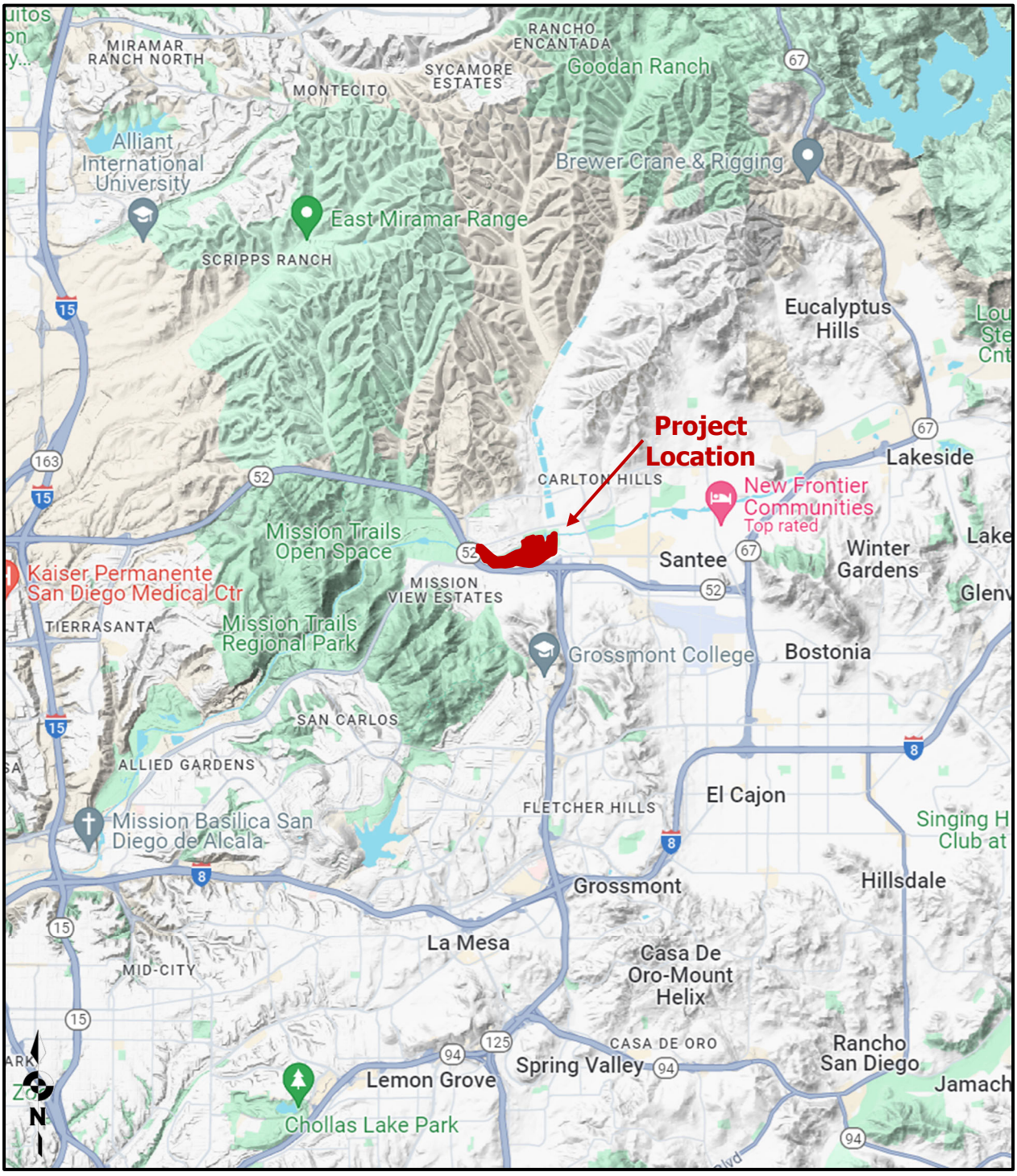
Work proposed on the portion of the project located within the City of San Diego primarily consists of redoing the existing golf course. All work on the proposed resort, including demolishing the existing facilities and construction of the residential accessory units, will occur within the City of Santee's jurisdiction. Consequently, the City of Santee is the public agency that has the principal responsibility for carrying out and approving the Project and is the lead agency for purposes of California Environmental Quality Act (CEQA).

The purpose of this Air Quality study is to determine potential significant air quality impacts (if any) that may be generated by construction or operational emissions from the proposed Project. Should impacts be determined, the intent of this study would be to recommend suitable mitigation measures to bring those impacts to a level that would be considered less than significant under CEQA.

## 1.2 Project Location

The proposed project is situated north of State Route 52 (SR-52), where it traverses in an east–west direction, south of single-family and multifamily residential development lining Carlton Oaks Drive, east of West Hills Parkway and SR-52, and in a northwest–southeast direction, and east of the open space associated with the San Diego River Trail and a residential development. A project vicinity map is shown in Figure 1-A.

**Figure 1-A: Project Vicinity Map**




Source: (Google, 2024)

## 1.3 Project Description

The existing COCCR consists of a 145-acre 18-hole golf course, clubhouse, pool, restaurant, and golf amenities such as a pro-shop and driving range as well as multiple sheds and a maintenance building. In addition, the existing development has a 43-unit hotel and 9 single story casitas which look like residential units. Combined the hotel and casitas operate as a 52-unit hotel. The existing hardscape is approximately 106,000 square feet making up the onsite parking and roadways. The existing golf course has roots dating back to the 1950's and was last renovated in 1989.

The proposed project would demolish all existing facilities onsite and reconstruct them using the latest energy efficient construction techniques. The project would construct a new reduced size 104-acre golf course and golf amenities, clubhouse, pool, restaurant, and a new energy efficient 52-unit hotel. The Project would include parking with 292 parking spaces. In addition, the project would construct 236 multi-family residential units and six (6) single-family residential units.

This project will include Project Design Features (PDFs) that reduce greenhouse gases such as installing photovoltaic solar panels, electric vehicle charging stations (EVCS) and significantly limiting the use of natural gas.

### ***Project Design Features***

The following design features of the proposed project are relevant to the quantification of GHG emissions. However, not all the design features identified will reduce air quality emissions but are shown for informational purposes.

PDF 1: The proposed project will comply with California Title 24 Energy Code (2022) or said Code in effect at the time of building permit application, requiring the following energy efficient items in all residential units: improved HVAC systems with sealed (tight) air ducts; enhanced ceiling, attic and wall insulation; install energy conserving appliances such as whole house fans; high-efficiency water heaters (tankless water heaters); energy-efficient three coat stucco exteriors; energy efficient appliances; programmable thermostat timers; and high-efficiency window glazing.

PDF 2: As a matter of regulatory compliance, the project would comply with Section 5.106.5.2 of CALGreen Code (2022) or said Code in effect at the time of building permit application Code (CALGreen Code), which requires the provision of designated parking for shared vehicles and clean air vehicles. This will occur at the resort facility. This revision simply indicates that the Project would utilize the latest

CALGreen Code when building permits are requested by the Project. Currently the latest code applicable to this Project as of the date of this report is CALGreen Code (2022) which went into effect on January 1, 2023.

PDF 3: All uses onsite with the exception of the restaurant will be "All Electric". Natural gas will only be installed for the restaurant's use.

PDF 4: The Project will install Energy Star-rated Appliances for all residential appliances and will install Energy Star rated appliances such as refrigerators in the Hotel and Restaurant.

PDF 5: Low-flow toilets, faucets, and shower heads will be installed throughout the entire project.

PDF 6: Areas for storage and collection of recyclables and yard waste will be provided.

PDF 7: Every residential dwelling unit garage (242 units) will have Level 2 Electric Vehicle Supply Equipment (EVSE) installed.

PDF 8: 45 percent of all non-residential parking spaces will be Electric Vehicle (EV) capable[1] (132 Spaces) and 33 percent of these EV capable parking spaces will have EVCS installed (44 Units).

PDF 9: The Project will plant approximately 645 new trees within the development or 414 new trees in the residential development, 60 new trees on the golf course, and 171 new trees at the hotel site and access road.

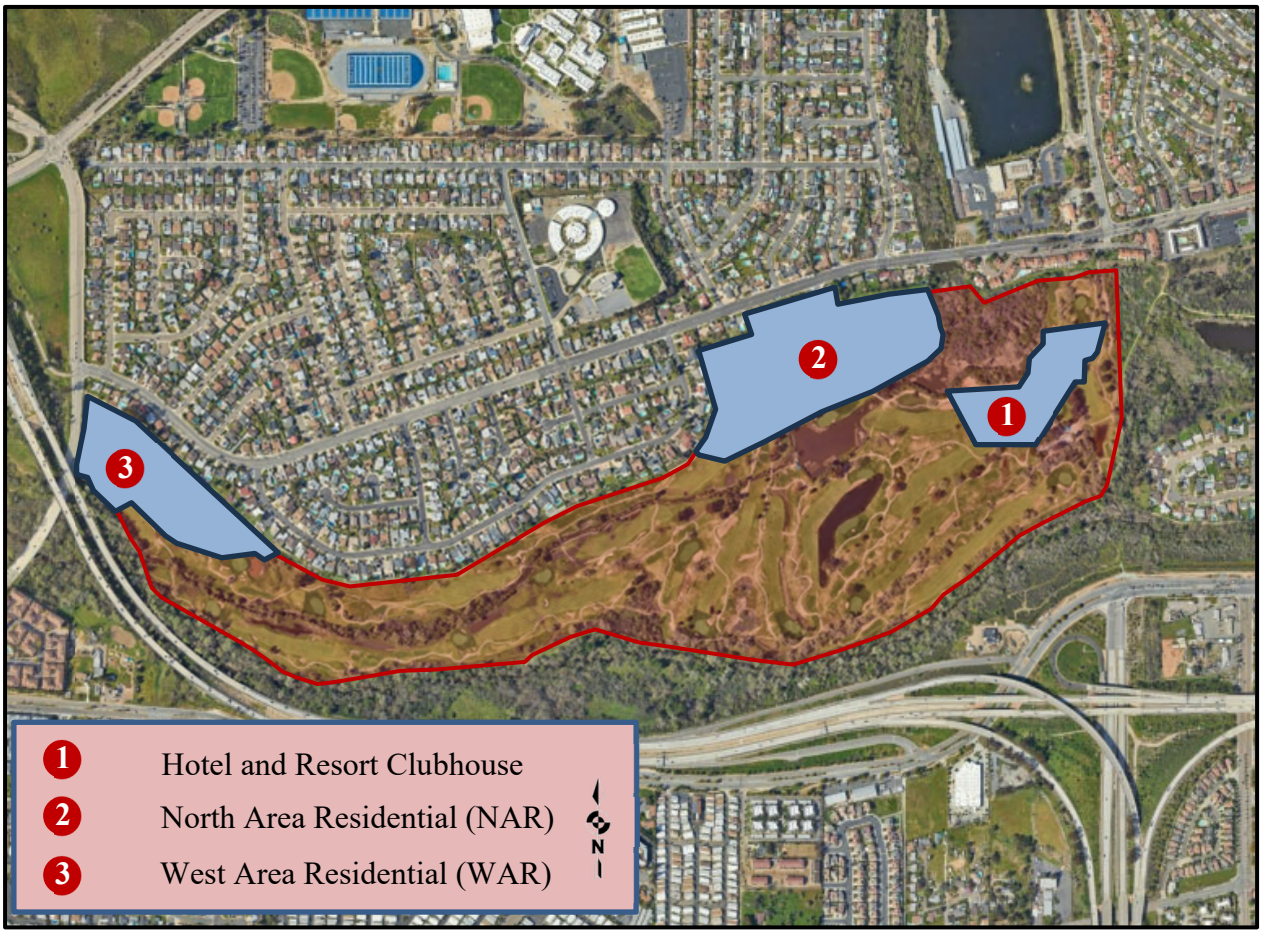
PDF 10: The Project would install at least 1,168 kW of solar onsite (1,089 kW on the residential units and 79 kW on the new resort). This exceeds the SSP requirements from Goal 10 as shown below.

*It should be noted that under the SSP the Project would be required to install 1kW per unit for each multi-family unit, 2 kW per unit for each single-family unit and 1.5 kW per square foot for commercial buildings. Under the SSP, 236 kW would be required for the multi-family development, 12 kW would be required for the single-family housing units and roughly 78 kW for the commercial development 51,926 SF of commercial facilities. Given this, the SSP would call for at least 326 kW in total.*

[1] EV Capable means that dedicated electrical panel capacity and raceway infrastructure is provided to support a future 40-ampere, 208/240-volt branch circuit for a future dedicated Level 2 EVSE.

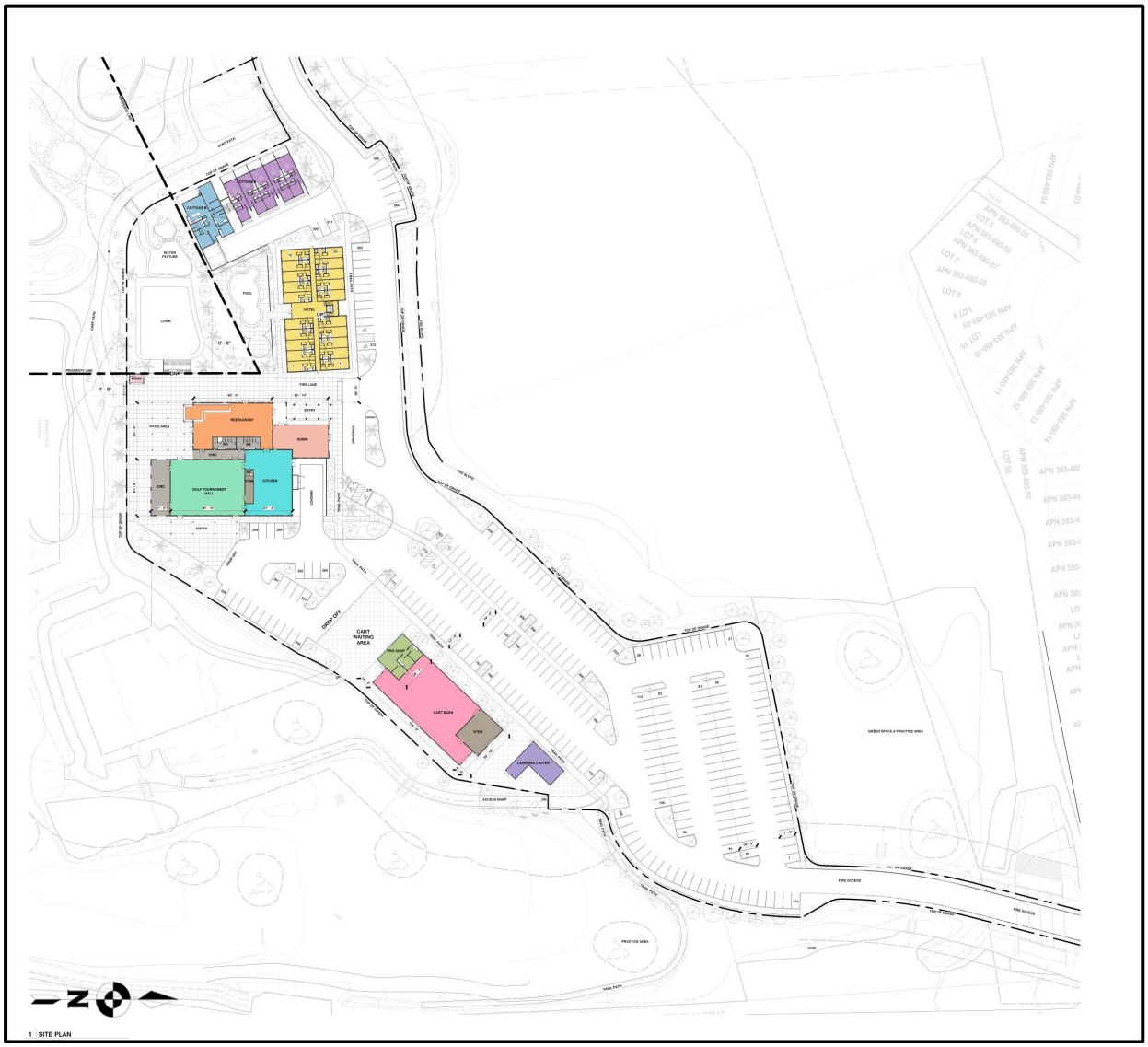
Construction is expected to span over 5 consecutive years, beginning in August 2025 and ending early in 2029. The proposed Project development plan is provided in a Project Development below in Figure 1-B and is followed by a figure of each development area to include the Hotel and Clubhouse area, North Area Residential (NAR), West Area Residential (WAR) (See Figures 1-C through -E).

**Figure 1-B: Project Development Map**



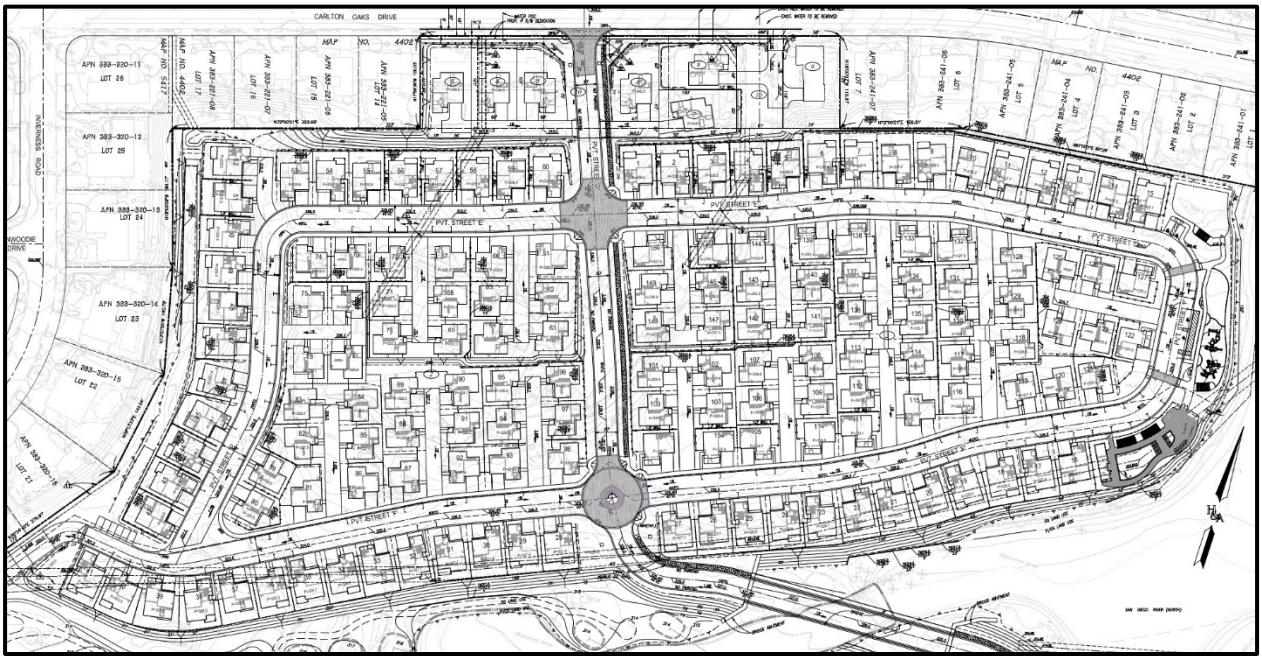

Source: (Google Earth Pro, 2024)

## Figure 1-C: Hotel and Resort Clubhouse Development Details



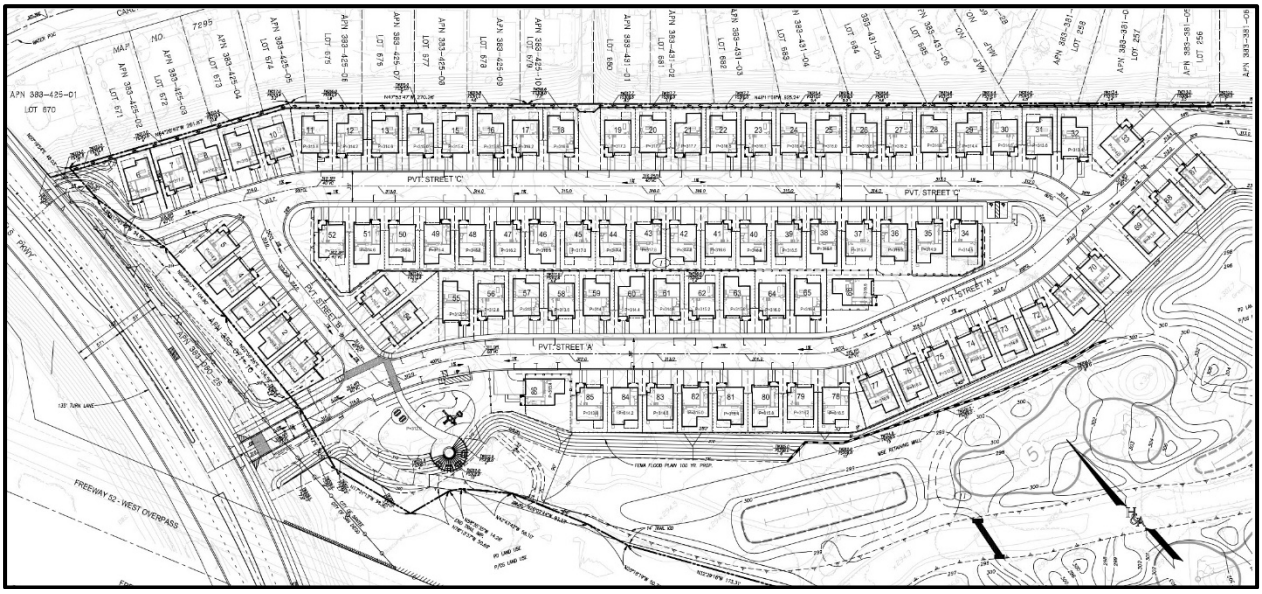

Source: (Atelier5 Design, 2024)

## Figure 1-D: NAR Development Details




Source: (Hunsaker & Associates , 2025)

## Figure 1-E: WAR Development Details




Source: (Hunsaker & Associates , 2025)

# 2.0 EXISTING ENVIRONMENTAL SETTING

## 2.1 Existing Setting

The existing development consists of a 145-acre 18-hole golf course, clubhouse, pool, restaurant, and golf amenities such as a pro-shop and driving range as well as multiple sheds and a maintenance building. In addition, the existing development has a 43-unit hotel and 9 single story casitas which look like residential units. Combined the hotel and casitas operate as a 52-unit hotel. The existing hardscape is approximately 106,000 square feet making up the onsite parking and roadways. The existing golf course has roots dating back to the 1950's and was last renovated in 1989.

As explained below, the project will continue to locate uses within the site consistent with the underlying uses in the respective cities' general plans and zoning ordinances. The portion of the project site located within Santee is currently designated as Park/Open Space (P/OS), Low-Medium Density Residential (R2) and Planned Development (PD) in the City of Santee's General Plan. The areas designated as PD and Low-Medium Density Residential (R2) are in the northern portion of the project site, bordering the existing residential land uses and allows for residential land uses at varying densities from Low-Medium Density Residential to Medium-High Density Residential (R14).

The Residential uses located within the PD designated portion of the project area, allows such uses as an accessory use to primary recreation use for the COCCR property. Residential uses are also permitted under the Planned District zoning designation. Consistent with the City of Santee's General Plan, locating residential uses in the designated planned development areas is compatible with the existing adjacent residential uses because of similar public service and site planning requirements.

The COCCR facilities will be relocated to the Park/Open space area within the City of Santee that is designated in the General Plan to allow the facility/resort to be fully integrated into the golf course. A Conditional Use Permit (CUP) for the country club and related uses would be required based on the underlying Park/Open space zoning designation. The proposed CUP would be prepared pending approval of this Project.

In the City of San Diego's General Plan, the southern part of the project site (approximately 64.62 acres) is designated as Open Space and will remain with the same use as a golf course.

## 2.2 Climate and Meteorology

Climate within the San Diego Air Basin (SDAB) often varies dramatically over short geographical distances with cooler temperatures on the western coast gradually warming to

the east as prevailing winds from the west heat up. Most of southern California is dominated by high-pressure systems for much of the year, which keeps San Diego mostly sunny and warm. Typically, during the winter months, the high-pressure system drops to the south and brings cooler, moister weather from the north. It is common for inversion layers to develop within high-pressure areas, which mostly define pressure patterns over the SDAB. These inversions are caused when a thin layer of the atmosphere increases in temperature with height. An inversion acts like a lid preventing vertical mixing of air through convective overturning.

Meteorological trends within the area generally show daytime highs ranging between 69ºF in the winter to approximately 89ºF in the summer with August usually being the hottest month. Daytime Low temperatures range from approximately 41ºF in the winter to approximately 64ºF in the summer. Precipitation is generally about 12.4 inches per year (WRCC, 2020). Prevailing wind patterns for the area vary during any given month during the year and also vary depending on the time of day or night. The predominant pattern throughout the year is usually from the west or westerly (WRCC, 2018).

## 2.3 Regulatory Standards

### 2.3.1 Federal Standards and Definitions

The Federal Air Quality Standards were developed per the requirements of The Federal Clean Air Act, which is a federal law that was passed in 1970 and further amended in 1990. This law provides the basis for the national air pollution control effort. An important element of the act included the development of national ambient air quality standards (NAAQS) for major air pollutants.

The Clean Air Act established two types of air quality standards otherwise known as primary and secondary standards. ***Primary Standards*** set limits to protect public health which includes sensitive populations such as asthmatics, children and elderly. ***Secondary Standards*** set limits to protect public welfare and include protection against decreased visibility, damage to animals, crops, vegetation and buildings.

The Environmental Protection Agency's (EPA Office of Air Quality Planning and Standards (OAQPS) has set National Ambient Air Quality Standards (NAAQS) for principal pollutants, which are called "criteria" pollutants. These pollutants are defined below (EPA, 2022):

1. ***Carbon Monoxide (CO):*** *is a colorless, odorless, and tasteless gas and is produced from the partial combustion of carbon-containing compounds, notably in internal-combustion engines. Carbon monoxide usually forms when there is a reduced availability of oxygen present during the*

*combustion process. Exposure to CO near the levels of the ambient air quality standards can lead to fatigue, headaches, confusion, and dizziness. CO interferes with the blood's ability to carry oxygen* (EPA, 2022).

2. ***Lead (Pb):*** *is a potent neurotoxin that accumulates in soft tissues and bone over time. The major sources of lead emissions have historically been motor vehicles (such as cars and trucks) and industrial sources. Because lead is only slowly excreted, exposures to small amounts of lead from a variety of sources can accumulate to harmful levels. Effects from inhalation of lead near the level of the ambient air quality standard include impaired blood formation and nerve conduction. Lead can adversely affect the nervous, reproductive, digestive, immune, and blood-forming systems. Symptoms can include fatigue, anxiety, short-term memory loss, depression, weakness in the extremities, and learning disabilities in children* (EPA, 2022). *Emissions from lead typically result from industrial processes such as ore and metals processing, and leaded aviation gasoline (USEPA 2017). These sources are not proposed as part of the proposed project; therefore, lead emissions are not included in the project analysis.*
3. ***Nitrogen Dioxide ($NO_2$):*** *is a reactive, oxidizing gas capable of damaging cells lining the respiratory tract and is one of the nitrogen oxides emitted from high-temperature combustion, such as those occurring in trucks, cars, power plants, home heaters, and gas stoves. In the presence of other air contaminants, $NO_2$ is usually visible as a reddish-brown air layer over urban areas. $NO_2$ along with other traffic-related pollutants is associated with respiratory symptoms, respiratory illness and respiratory impairment. Studies in animals have reported biochemical, structural, and cellular changes in the lung when exposed to $NO_2$ above the level of the current state air quality standard. Clinical studies of human subjects suggest that $NO_2$ exposure to levels near the current standard may worsen the effect of allergens in allergic asthmatics, especially in children* (EPA, 2022).
4. ***Particulate Matter ($PM_{10}$ or $PM_{2.5}$):*** *is a complex mixture of tiny particles that consists of dry solid fragments, solid cores with liquid coatings, and small droplets of liquid. These particles vary in shape, size and chemical composition, and can be made up of multiple materials such as metal, soot, soil, and dust. $PM_{10}$ particles are 10 microns (µm) or less and $PM_{2.5}$ particles are 2.5 (µm) or less. These particles can contribute significantly to regional haze and reduction of visibility in California. Exposure to PM levels exceeding current air quality standards increases the risk of allergies such as asthma and respiratory illness* (EPA, 2022).
5. ***Ozone ($O_3$)****: Ozone at the ground level is a highly oxidative unstable gas capable of damaging the linings of the respiratory tract. This pollutant forms in the atmosphere through reactions between chemicals directly emitted from vehicles, industrial plants, and many other sources. Exposure to ozone above ambient air quality standards can lead to human health effects such as lung inflammation, tissue damage and impaired lung functioning. Ozone can also damage materials such as rubber, fabrics and plastics* (EPA, 2022). *It should be noted that Oxides of Nitrogen ($NO_x$) is a family of poisonous, highly reactive gases. These gases form when fuel is burned at high temperatures. $NO_x$ pollution is emitted by automobiles, trucks and various non-road vehicles (e.g., construction equipment, boats, etc.) as well as industrial sources such as power plants, industrial*

*boilers, cement kilns, and turbines. $NO_x$ often appears as a brownish gas. It is a strong oxidizing agent and plays a major role in the atmospheric reactions with Volatile Organic Compounds (VOCs) which produces ozone on hot summer days (EPA, 2023).*

6. ***Sulfur Dioxide ($SO_2$)**: is a gaseous compound of sulfur and oxygen and is formed when sulfur-containing fuel is burned by mobile sources, such as locomotives, ships, and off-road diesel equipment. $SO_2$ is also emitted from several industrial processes, such as petroleum refining and metal processing. Effects from $SO_2$ exposures at levels near the one-hour standard include bronchoconstriction accompanied by symptoms, which may include wheezing, shortness of breath and chest tightness, especially during exercise or physical activity. Children, the elderly, and people with asthma, cardiovascular disease or chronic lung disease (such as bronchitis or emphysema) are most susceptible to these symptoms. Continued exposure at elevated levels of $SO_2$ results in increased incidence of pulmonary symptoms and disease, decreased pulmonary function, and increased risk of mortality* (EPA, 2022).

### 2.3.2 State Standards and Definitions

The State of California Air Resources Board (ARB) sets the laws and regulations for air quality at State level. The California Ambient Air Quality Standards (CAAQS) are either the same as or more restrictive than the NAAQS in that the State standards also restrict four additional contaminants. Table 2.1 on the following page identifies both the NAAQS and CAAQS. The additional contaminants as regulated by the CAAQS are defined below:

1. ***Visibility Reducing Particles**: Particles in the Air that obstruct the visibility* (CARB, 2023).
2. ***Sulfates**: are salts of Sulfuric Acid. Sulfates occur as microscopic particles (aerosols) resulting from fossil fuel and biomass combustion. They increase the acidity of the atmosphere and form acid rain* (CARB, 2023).
3. ***Hydrogen Sulfide ($H_2S$)**: is a colorless, toxic and flammable gas with a recognizable smell of rotten eggs or flatulence. $H_2S$ occurs naturally in crude petroleum, natural gas, volcanic gases, and hot springs. Usually, $H_2S$ is formed from bacterial breakdown of organic matter. Exposure to low concentrations of hydrogen sulfide may cause irritation to the eyes, nose, or throat. It may also cause difficulty in breathing for some asthmatics. Brief exposures to high concentrations of hydrogen sulfide (greater than 500 ppm) can cause a loss of consciousness and possibly death* (CARB, 2023).
4. ***Vinyl Chloride**: also known as chloroethene and is a toxic, carcinogenic, colorless gas with a sweet odor. It is an industrial chemical mainly used to produce its polymer, polyvinyl chloride (PVC)* (CARB, 2023).

# Table 2.1: Ambient Air Quality Standards

| Ambient Air Quality Standards | | | | | | |
|---|---|---|---|---|---|---|
| **Pollutant** | **Average Time** | **California Standards[1]** | | **Federal Standards[2]** | | |
| | | Concentration[3] | Method[4] | Primary[3,5] | Secondary[3,6] | Method[7] |
| Ozone ($O_3$)[8] | 1 Hour | 0.09 ppm (180 µg/m3) | Ultraviolet Photometry | - | Same as Primary Standard | Ultraviolet Photometry |
| | 8 Hour | 0.070 ppm (137 µg/m3) | | 0.070 ppm (137 µg/m3) | | |
| Respirable Particulate Matter (PM10)[9] | 24 Hour | 50 µg/m3 | Gravimetric or Beta Attenuation | 150 µg/m3 | Same as Primary Standard | Inertial Separation and Gravimetric Analysis |
| | Annual Arithmetic Mean | 20 µg/m3 | | - | | |
| Fine Particulate Matter (PM2.5)[9] | 24 Hour | No Separate State Standard | | 35 µg/m3 | Same as Primary Standard | Inertial Separation and Gravimetric Analysis |
| | Annual Arithmetic Mean | 12 µg/m3 | Gravimetric or Beta Attenuation | 12.0 µg/m3 | 15 µg/m3 | |
| Carbon Monoxide (CO) | 8 hour | 9.0 ppm (10mg/m3) | Non-Dispersive Infrared Photometry (NDIR) | 9 ppm (10 mg/m3) | - | Non-Dispersive Infrared Photometry |
| | 1 hour | 20 ppm (23 mg/m3) | | 35 ppm (40 mg/m3) | | |
| | 8 Hour (Lake Tahoe) | 6 ppm (7 mg/m3) | | - | - | - |
| Nitrogen Dioxide ($NO_2$)[10] | Annual Arithmetic Mean | 0.030 ppm (57 µg/m3) | Gas Phase Chemiluminescence | 0.053 ppm (100 µg/m3)[8] | Same as Primary Standard | Gas Phase Chemiluminescence |
| | 1 Hour | 0.18 ppm (339 µg/m3) | | 0.100 ppm[8] (188/ µg/m3) | - | |
| Sulfur Dioxide ($SO_2$)[11] | Annual Arithmetic Mean | - | Ultraviolet Fluorescence | 0.030 ppm[10] (for Certain Areas) | - | Ultraviolet Flourescence; Spectrophotometry (Pararoosaniline Method)[9] |
| | 24 Hour | 0.04 ppm (105 µg/m3) | | 0.14 ppm[10] (for Certain Areas) (See Footnote 9) | - | |
| | 3 Hour | - | | - | 0.5 ppm (1300 µg/m3) | |
| | 1 Hour | 0.25 ppm (655 µg/m3) | | 75 ppb (196 µg/m3) | - | |
| Lead[12,13] | 30 Day Average | 1.5 µg/m3 | Atomic Absorption | - | | - |
| | Calendar Quarter | - | | 1.5 µg/m3 | Same as Primary Standard | High Volume Sampler and Atomic Absorption |
| | Rolling 3-Month Average | - | | 0.15 µg/m3 | | |
| Visibility Reducing Particles | 8 Hour | See footnote 13 | | | | |
| Sulfates | 24 Hour | 25 µg/m3 | Ion Chromatography | | | |
| Hydrogen Sulfide | 1 Hour | 0.03 ppm (42 µg/m3) | Ultraviolet Fluorescence | | | |
| Vinyl Chloride[12] | 24 Hour | 0.01 ppm (26 µg/m3) | Gas Chromatography | | | |

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, and particulate matter (PM10, PM2.5, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
2. National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM10, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m3 is equal to or less than one. For PM2.5, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.
3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.
4. Any equivalent procedure which can be shown to the satisfaction of the ARB to give equivalent results at or near the level of the air quality standard may be used.
5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.
6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
7. Reference method as described by the EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the EPA.
8. On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.
9. On December 14, 2012, the national annual PM2.5 primary standard was lowered from 15 µg/m3 to 12.0 µg/m3 . The existing national 24- hour PM2.5 standards (primary and secondary) were retained at 35 µg/m3 , as was the annual secondary standard of 15 µg/m3 . The existing 24-hour PM10 standards (primary and secondary) of 150 µg/m3 also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
10. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.
11. On June 2, 2010, a new 1-hour SO2 standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.
12. The ARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.
13. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard (1.5 µg/m3 as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.
14. In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

Source: (California Air Resources Board, 05/04/2016)

### 2.3.3 Regional Standards

The State of California has 35 specific air districts, which are each responsible for ensuring that the criteria pollutants are below the NAAQS and CAAQS. Air basins that exceed either the NAAQS or the CAAQS for any criteria pollutants are designated as "non-attainment areas" for that pollutant. Currently, there are 15 non-attainment areas for the federal ozone standard and two non-attainment areas for the $PM_{2.5}$ standard and many areas are in non-attainment for $PM_{10}$ as well. California therefore created the California State Implementation Plan (SIP), which is designed to provide control measures needed to attain ambient air quality standards.

The San Diego Air Pollution Control District (SDAPCD) is the government agency which regulates sources of air pollution within the county. Therefore, the SDAPCD developed a Regional Air Quality Strategy (RAQS) to provide control measures to try to achieve attainment status for state ozone standards with control measures focused on VOCs and $NO_X$. Currently, San Diego is in "non-attainment" status for federal and state $O_3$ and state $PM_{10}$ and $PM_{2.5.}$ An attainment plan is available for $O_3$. The RAQS was adopted in 1992 and has been updated as recently as 2022 which was the latest update incorporating minor changes to the prior 2016 update.

The 2022 update mostly summarizes how the 2016 update has lowered $NO_X$ and VOCs emissions which reduces ozone and clarifies and enhances emission reductions by introducing for discussion three new VOC and four new $NO_X$ reduction measures. $NO_X$ and VOCs are precursors to the formation of ozone in the atmosphere. The criteria pollutant standards are generally attained when each monitor within the region has had no exceedances during the previous three calendar years. A complete listing of the current attainment status for criteria pollutants with respect to both federal and state nonattainment status by pollutants for County is shown in Table 2.2 on the following page (SDAPCD, 2023).

The RAQS is largely based on population predictions by the San Diego Association of Governments (SANDAG). Projects that produce less growth than predicted by SANDAG would generally conform to the RAQS. Projects that create more growth than projected by SANDAG may create a significant impact if the Project produces unmitigable air quality emissions or if the Project produces cumulative impacts.

**Table 2.2: San Diego County Air Basin Attainment Status by Pollutant**

| Criteria Pollutant | Federal Designation | State Designation |
|---|---|---|
| Ozone (8-Hour) | Nonattainment | Nonattainment |
| Ozone (1-Hour) | Attainment * | Nonattainment |
| Carbon Monoxide | Attainment | Attainment |
| PM10 | Unclassifiable ** | Nonattainment |
| PM2.5 | Attainment | Nonattainment*** |
| Nitrogen Dioxide | Attainment | Attainment |
| Sulfur Dioxide | Attainment | Attainment |
| Lead | Attainment | Attainment |
| Sulfates | No Federal Standard | Attainment |
| Hydrogen Sulfide | No Federal Standard | Unclassified |
| Visibility | No Federal Standard | Unclassified |

** The federal 1-hour standard of 12 pphm was in effect from 1979 through June 15, 2005. The revoked standard is referenced here because it was employed for such a long period and because this benchmark is addressed in State Implementation Plans.*
*** At the time of designation, if the available data does not support a designation of attainment or nonattainment, the area is designated as unclassifiable.*
****The California Air Resources Board (CARB) has not reclassified the region to attainment yet due to (1) incomplete data, and (2) the use of non-California Approved Samplers (CAS). While data collected does meet the requirements for designation of attainment with federal PM2.5 standards, the data completeness requirements for state PM2.5 standards substantially exceed federal requirements and mandates, and have historically not been feasible for most air districts to adhere to given local resources. APCD has begun replacing most regional filter-based PM2.5 monitors as they reach the end of their useful life with continuous PM2.5 air monitors to ensure collected data meets stringent completeness requirements in the future. APCD anticipates these new monitors will be approved as "CAS" monitors once CARB review the list of approved monitors, which has not been updated since 2013.*
(SDAPCD, 2023)

## 2.4 California Environmental Quality Act (CEQA) Significance Thresholds

The California Environmental Quality Act has provided a checklist to identify the significance of air quality impacts. These guidelines are found in Appendix G of the CEQA guidelines and are as follows:

AIR QUALITY -- Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the Project:

*A:* Conflict with or obstruct implementation of the San Diego Regional Air Quality Strategy (RAQS) or applicable portions of the State Implementation Plan (SIP)?

*B:* Result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is non-attainment under an applicable Federal or State ambient air quality standard ($PM_{10}$, $PM_{2.5}$ or exceed quantitative thresholds for $O_3$ precursors, oxides of nitrogen [$NO_X$] and Volatile Organic Compounds [VOCs])?

*C:* Expose sensitive receptors (including, but not limited to, schools, hospitals, resident care facilities, or day-care centers) to substantial pollutant concentrations?

*D:* Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

## 2.5 SDAPCD Rule 20.2 – Air Quality Impact Assessment Screening Thresholds

The SDAPCD has established thresholds in Rule 20.2 for new or modified stationary sources. These screening criteria can be used to demonstrate that a project's total emissions would not result in a significant impact as defined by CEQA. Also, since SDAPCD does not have AQI threshold for Volatile Organic Compounds (VOCs), it is acceptable to use the Coachella Valley VOC threshold from South Coast Air Quality Management District. Should emissions be found to exceed these thresholds, additional modeling is required to demonstrate that the project's total air quality impacts are below the state and federal ambient air quality standards. These screening thresholds for construction and daily operations are shown in Table 2.3 below.

**Table 2.3: Screening Level Thresholds for Criteria Pollutants**

| Pollutant | Total Emissions (Pounds per Day) |
|---|---|
| Construction Emissions | |
| Respirable Particulate Matter ($PM_{10}$ and $PM_{2.5}$) | 100 and 55 |
| Nitrogen Oxide ($NO_x$) | 250 |
| Sulfur Oxide ($SO_x$) | 250 |
| Carbon Monoxide (CO) | 550 |
| Reactive Organic Gases (ROG) | 75 |
| Operational Emissions | |
| Respirable Particulate Matter ($PM_{10}$ and $PM_{2.5}$) | 100 and 55 |
| Nitrogen Oxide ($NO_x$) | 250 |
| Sulfur Oxide ($SO_x$) | 250 |
| Carbon Monoxide (CO) | 550 |
| Lead and Lead Compounds | 3.2 |
| Reactive Organic Gases (ROG) | 75 |

Non-Criteria pollutants such as Hazardous Air Pollutants (HAPs) or Toxic Air Contaminants (TACs) are also regulated by the SDAPCD. Rule 1200 (Toxic Air Contaminants - New Source Review) adopted on June 12, 1996, requires evaluation of potential health risks for any new, relocated, or modified emission unit which may increase emissions of one or more toxic air contaminants. The rule requires that projects that propose to increase cancer risk to between

1 and 10 in one million need to implement toxics best available control technology (T-BACT) or impose the most effective emission limitation, emission control device or control technique to reduce the cancer risk. At no time shall the project increase the cancer risk to over 10 in one million. In addition, a project shall not generate either a chronic or acute health hazard index greater than one. Projects creating cancer risks less than one in one million are not required to implement T-BACT technology.

The U.S. Environmental Protection Agency (U.S. EPA) uses the term Volatile Organic Compounds (VOC) and the California Air Resources Board's (CARB's) Emission Inventory Branch (EIB) uses the term Reactive Organic Gases (ROG) to essentially define the same thing. There are minor deviations between compounds that define each term. However, for purposes of this study we will assume they are essentially the same due to the fact SCAQMD interchanges these words and because CalEEMod directly calculates ROG in place of VOC.

## 2.7 Local Air Quality

Criteria pollutants are measured continuously throughout the San Diego Air Basin. This data is used to track ambient air quality patterns throughout the County. As mentioned earlier, this data is also used to determine attainment status when compared to the NAAQS and CAAQS. The SDAPCD is responsible for monitoring and reporting monitoring data. The District operates 10 monitoring sites, which collect data on criteria pollutants. Table 2.4 identifies the criteria pollutants monitored at the aforementioned station.

SDAPCD published the five-year air quality summary for all of the monitoring stations within the San Diego basin (SDAPCD, 2022). The proposed development project is closest to the Camp Pendleton and Carmel Mountain Ranch Monitoring stations. Table 2.4 identifies the criteria pollutants monitored at the aforementioned stations.

**Table 2.4: Two-Year Ambient Air Quality Summary near the Project Site**

| Pollutant | Closest Recorded Ambient Monitoring Site | Averaging Time | CAAQS | NAAQS | 2021 | 2022 | Days Exceeded over 2 years |
|---|---|---|---|---|---|---|---|
| $O_3$ (ppm) | Camp Pendleton or Carmel Mountain Ranch | 1 Hour | 0.09 ppm | No Standard | 0.07 | 0.08 | 0 |
| | | 8 Hour | 0.070 ppm | 0.070 ppm | 0.06 | 0.07 | 0 |
| $PM_{10}$ (µg/m3) | | 24 Hour | 50 µg/m3 | 150 µg/m3 | PM10 Data Not Available for Monitoring Sites near Project Site | | |
| | | Annual Arithmetic Mean | 20 µg/m3 | No Standard | | | |
| * $PM_{2.5}$ (µg/$m^3$) | | 24 Hour | No standard - | 35 µg/m3 | 23.5 | 14.9 | N/A |
| | | Annual Arithmetic Mean | 12 µg/m3 | 15 µg/m3 | 8.5 | 7.6 | N/A |
| $NO_2$ (ppm) | | Annual Arithmetic Mean | 0.030 ppm | 0.053 ppm | 0.013 | 0.013 | N/A |
| | | 1 Hour | 0.18 ppm | 0.100 ppm | 0.059 | 0.059 | N/A |
| * CO (ppm) | | 1 Hour | 20 ppm | 35 ppm | 3.0 | 2.2 | N/A |
| | | 8 Hour | 9 ppm | 9 ppm | 1.8 | 1.2 | N/A |

Notes:
1. - Yearly maximums marked with "-" indicated data was not available for either monitoring station.
2. * Data was selected from the Carmel Mountain Ranch station which began in 2019. All other data presented was collected at the Camp Pendleton Monitoring Station.
3. $SO_2$ is only monitored at the El Cajon Monitoring Station. Within the entire County of San Diego, $SO_2$ emissions within the County are essentially Zero for all metrics including the Average, Maximum 24 hour and 1- hour standards. The Highest 1-hr measurement identified is 0.004 ppm and the most restrictive standard (CAAQS for $SO_2$) is 0.25 ppm.
Source: (SDAPCD, 2022)

## 2.8 Micro Scale Operational Emissions

Air pollutant emissions related to project traffic have the potential to create new air quality violations or worsen existing localized air quality violations with respect to carbon monoxide (CO). These increased carbon monoxide "Hot Spots" are determined through the utilization of the ITS Transportation Project-Level Carbon Monoxide Protocol (University of California, Davis for California Department of Transportation, 1997).

Typically, an analysis is recommended for an intersection when the following conditions are met: the intersection operates at Level of Service (LOS) E or F, the project adds more than 50 peak-hour trips, and the total intersection volume exceeds 3,000 vehicles during that peak hour. A CO impact would be considered less than significant if the project does not cause ambient CO concentrations to exceed 9 parts per million (ppm) for the 8-hour standard or 20 ppm for the 1-hour standard.

## 3.0 METHODOLOGY

### 3.1 Construction Emissions Calculations

The construction schedule for the Project, developed in consultation with the Project Engineer, is expected to start in August 2025 and be completed by early 2029. This timeline reflects a worst-case scenario as it relates to Air Quality Emissions (shortest feasible duration), though market demand may extend the schedule. Construction activities will generate air quality emissions from off-road equipment, on-road hauling and vendor trucks, and worker commute vehicles. A single CalEEMod 2022.1.1.29 model was prepared for the entire project as follows North Area Residential (NAR), West Area Residential (WAR) and Hotel/Golf Course. Details of the modeling include construction phases, equipment quantities, and the anticipated schedule is provided in ***Attachment A***. The City of Santee recommends using CalEEMod 2022.1 for this modeling. The CalEEMod input/output model for the Project are shown in ***Attachment B*** to this report.

The Construction activities will require as much as 279,020 Cubic Yards (CY) of soil import which will require as many as 111 daily round truck trips traveling roughly 4 miles in each direction to and from the Sycamore Landfill.

The project would demolish the existing COCCR facilities to make way for the NAR. They found that approximately 249,600 SF would be demolished and hauled offsite for recycling and disposal. Based on CalEEMod, roughly 46 trips per day is assumed for as many as 50 days or 2,300 trips would be necessary.

### 3.2 Construction Health Risk Emissions Calculations

The AERMOD dispersion model will be used to determine the concentration for air pollutants at any location near the pollutant generator. Additionally, the model will predict the maximum exposure distance and concentrations. The notable toxic air contaminant from construction is diesel exhaust, since exposure to diesel exhaust is known to cause cancer and acute and chronic health effects. Diesel exhaust emissions can be estimated using the annual $PM_{10}$ exhaust emissions from onsite construction operations obtained from the annual CalEEMod model output by summing each onsite source for the construction duration. The AERMOD inputs require emission source concentrations which are provided as ***Attachment C*** to this report. The AERMOD input/output files for the Project are provided in ***Attachments D and E*** for both unmitigated and mitigated scenarios which include Tier 4 diesel engines with adjacent or nearby sensitive receptors included. Both these scenarios are further discussed later in this report.

Once the dispersed concentrations of diesel particulates are estimated in the surrounding air, they are used to evaluate estimated exposure to people. Exposure is evaluated by calculating the dose in milligrams per kilogram body weight per day (mg/kg/d). For residential exposure, the breathing rates are determined for specific age groups, so inhalation dose (Dose-air) is calculated for each of these age groups, 3rd trimester, 0<2, 2<9, 2<16, 16<30 and 16-70 years. The following algorithms calculate this dose for exposure through the inhalation pathways. The worst-case cancer risk dose calculation is defined in Equation 1 below (County of San Diego, 2007):

*Equation 1* $$Dose_{air} = C_{air} * (BR/BW) * A * EF * (1x10^{-6})$$

| | | |
|---|---|---|
| $Dose_{air}$ | = | Dose through inhalation (mg/kg/d) |
| $C_{air}$ | = | Concentration in air (µg/m3) Annual average DPM concentration in µg/m3 - AERMOD predicts annual averages. |
| BR/BW | = | Daily breathing rate normalized to body weight (L/kg BW-day). See Table I.2 for the daily breathing rate for each age range. |
| A | = | Inhalation absorption factor (assumed to be 1) |
| EF | = | Exposure frequency (unitless, days/365 days) |
| 1x10-6 | = | Milligrams to micrograms conversion ($10^{-3}$ mg/ µg), cubic meters to liters conversion ($10^{-3}$ $m^3$/l) |

Cancer risk is calculated by multiplying the daily inhalation or oral dose, by a cancer potency factor, the age sensitivity factor, the frequency of time spent at home and the exposure duration divided by averaging time, to yield the excess cancer risk. As described below, the excess cancer risk is calculated separately for each age grouping and then summed to yield cancer risk for any given location. Specific factors as modeled are shown within the Project models attached to this report. The worst case cancer risk calculation is defined in Equation 2 below (OEHHA, February 2015):

*Equation 2* $$RISK_{inh\text{-}res} = DOSE_{air} \times CPF \times ASF \times ED/AT \times FAH$$

| | | |
|---|---|---|
| $RISK_{inh\text{-}res}$ | = | Residential inhalation cancer risk |
| $DOSE_{air}$ | = | Daily inhalation dose (mg/kg-day) |
| CPF | = | Inhalation cancer potency factor (mg/kg-$day^{-1}$) |
| ASF | = | Age sensitivity factor for a specified age group (unitless) |
| ED | = | Exposure duration (in years) for a specified age group |
| AT | = | Averaging time for lifetime cancer risk (years) |
| FAH | = | Fraction of time spent at home (unitless) |

The California Office of Environmental Health Hazard Assessment (OEHHA) recommends that an exposure duration (residency time) over the construction duration be used to estimate individual cancer risk for the Maximally Exposed Individual Resident (MEIR). It should be noted that construction equipment and durations for the project are shown in ***Attachment***

***A*** to this report. Health risk calculations are shown in ***Attachment F and G*** to this report which reflect both the unmitigated and mitigated risks.

A graphical representation of the modeling locations is shown on a site aerial below in Figure 3-A. The red points (1-21) represent the sensitive residential receptor locations where diesel particulate emissions concentrations are calculated by AERMOD. It should be noted that receptors 1-19 represent residential receptors and both 20 and 21 represent the nearby high school and elementary school respectively. For the purposes of analysis an unmitigated and mitigated model was created.

**Figure 3-A: Construction Health Risk Model Setup**


Source: (Google Earth Pro, 2024)

Non-Cancer risks or risks defined as chronic or acute are also known with respect to DPM and are determined by the hazard index. To calculate hazard index, DPM concentration is divided by its chronic Reference Exposure Levels (REL). Where the total equals or exceeds one, a

health hazard is presumed to exist. RELs are published by the Office of Environmental Health Hazard Assessment (OEHHA, February 2015). Diesel Exhaust has a REL of 5 µg/$m^3$ and targets the respiratory system.

## 3.3 Operational Emissions

Once construction is completed the proposed project would generate emissions from daily operations which would include sources such as Area, Energy and Mobile uses, which are also calculated within CalEEMod 2022.1.1.29. Area Sources include consumer products, landscaping and architectural coatings as part of regular maintenance. Energy sources would be from uses such as onsite natural gas and electrical use. Mobile uses are from the expected project traffic trip generation which is further discussed in Section 4 of this report.

The model also estimates emission predictions for ROG, $NO_x$, CO, $SO_2$, $PM_{10}$ and $PM_{2.5}$ for area source assumptions. Additionally, it was assumed that an average of 10% of the structural surface area will be re-painted each year. Finally, since the proposed project would not be installing hearth options, CalEEMod default hearth settings were modified to represent no hearth options. CalEEMod includes landscaping and consumer product assumptions which would apply to this project. Consumer product emissions are generated by a wide range of product categories, including air fresheners, automotive products, household cleaners, and personal care products. Emissions associated with these products primarily depend on the increased population associated with residential development. The operational air quality model is also shown in ***Attachment B*** to this report.

## 3.4 Odor Impacts

Potential onsite odor generators would include short-term construction odors from activities such as paving and possibly painting. Given this, short-term construction odors would not be considered an impact. Also, since the project is a residential / commercial development, no operational odor sources are expected.

## 4.0 FINDINGS

### 4.1 Construction Findings

Emissions from construction activities and equipment use, identified in Section 3.1 and ***Attachment A*** to this report, are presented in pounds per day and are shown in Table 4.1 below. Based on these numbers, the Project would not exceed SDAPCD Rule 20.2 standards and would not require mitigation to comply as it relates to this rule. It should be noted that the Project does have significant health risks as it relates to DPM. These risks are further discussed in Section 4.2 below. It was found that health risks would be less than significant through the incorporation of Tier 4 Final diesel equipment. These requirements would reduce construction emissions so a "Mitigated" emission is also provided in Table 4.1.

**Table 4.1: Expected Daily Construction Emissions Summary (Pounds/Day)**

| Year | ROG | $NO_x$ | CO | $SO_2$ | $PM_{10}$ (Exhaust) | $PM_{10}$ (Dust) | $PM_{10}$ (Total) | $PM_{2.5}$ (Exhaust) | $PM_{2.5}$ (Dust) | $PM_{2.5}$ (Total) |
|---|---|---|---|---|---|---|---|---|---|---|
| Max Emissions During Construction - Unmitigated (lb/day) | 39.9 | 45.7 | 53.4 | 0.11 | 1.95 | 9.96 | 11.9 | 1.78 | 2.75 | 4.53 |
| Max Emissions During Construction – Mitigated (lb/day) | 39.3 | 12.7 | 67.2 | 0.11 | 0.24 | 9.96 | 10.2 | 0.22 | 2.75 | 2.98 |
| City Thresholds (lb/day) | 75 | 250 | 550 | 250 | - | - | 100 | - | - | 55 |
| **Significant?** | **No** | **No** | **No** | **No** | **-** | **-** | **No** | **-** | **-** | **No** |
| **Mitigated Percentage Below Standards** | 48% | 95% | 88% | 100% | - | - | 90% | - | - | 95% |
| Expected Construction emissions were calculated using CalEEMod 2022.1.1.29 | | | | | | | | | | |

### 4.2 Health Risks

Based upon the CalEEMod outputs, unmitigated offroad emissions for the NAR, WAR and Hotel are 0.0999, 0.0576 and 0.1313 tons, respectively over the construction project duration. Calculations show that these respective areas generate average DPM emission rates during

construction of $4.13x10^{-9}$ g/s-$m^2$, $2.25x10^{-9}$ g/s-$m^2$ and $8.60x10^{-9}$ g/s-$m^2$ respectively which was calculated based on an area source method as shown in ***Attachment C*** *to this report*.

Using the AERMOD dispersion model, the peak concentration over the construction period is 0.17257 µg/m³. Based on the risk equation in Section 3.2, the inhalation cancer risk for the worst-case residential receptor is 68.81 per million exposed, indicating a potentially significant impact that requires mitigation. Figure 4-A below shows the receptor locations and DPM contour concentrations in µg/m³. Table 4.2 on the following page provides the calculated cancer risks for these receptors in terms of risk per million exposed.

**Figure 4-A: Unmitigated Health Risk Contours**

**Table 4.2: Cancer Risk at each Receptor with Mitigation**

| | AERMOD Concentration | Cancer Risk |
|---|---|---|
| R1 | 0.07597 | 30.29 |
| R2 | 0.10332 | 41.20 |
| R3 | 0.11795 | 47.03 |
| R4 | 0.14336 | 57.16 |
| R5 | 0.14967 | 59.68 |
| R6 | 0.16656 | 66.41 |
| R7 | 0.16259 | 64.83 |
| R8 | 0.17257 | 68.81 |
| R9 | 0.15374 | 61.30 |
| R10 | 0.14687 | 58.56 |
| R11 | 0.13828 | 55.14 |
| R12 | 0.08453 | 33.71 |
| R13 | 0.06234 | 24.86 |
| R14 | 0.06339 | 25.28 |
| R15 | 0.06693 | 26.69 |
| R16 | 0.05075 | 20.24 |
| R17 | 0.01866 | 7.44 |
| R18 | 0.02504 | 9.98 |
| R19 | 0.05028 | 20.05 |
| High School R20 | 0.03279 | 13.07 |
| Elementary School R21 | 0.06793 | 27.09 |

There are also known chronic health risks associated with diesel exhaust which are considered non-cancer risks. These risks are calculated based on methods identified in Section 3.2 of this report. From this we find that the worst case concentration of 0.17257 µg/$m^3$ divided by the REL of 5 µg/$m^3$ yields a Health Hazard Index of 0.034, which is less than one. Therefore, no chronic health risks are expected even under the unmitigated scenario and would not need to be repeated under the mitigated scenario.

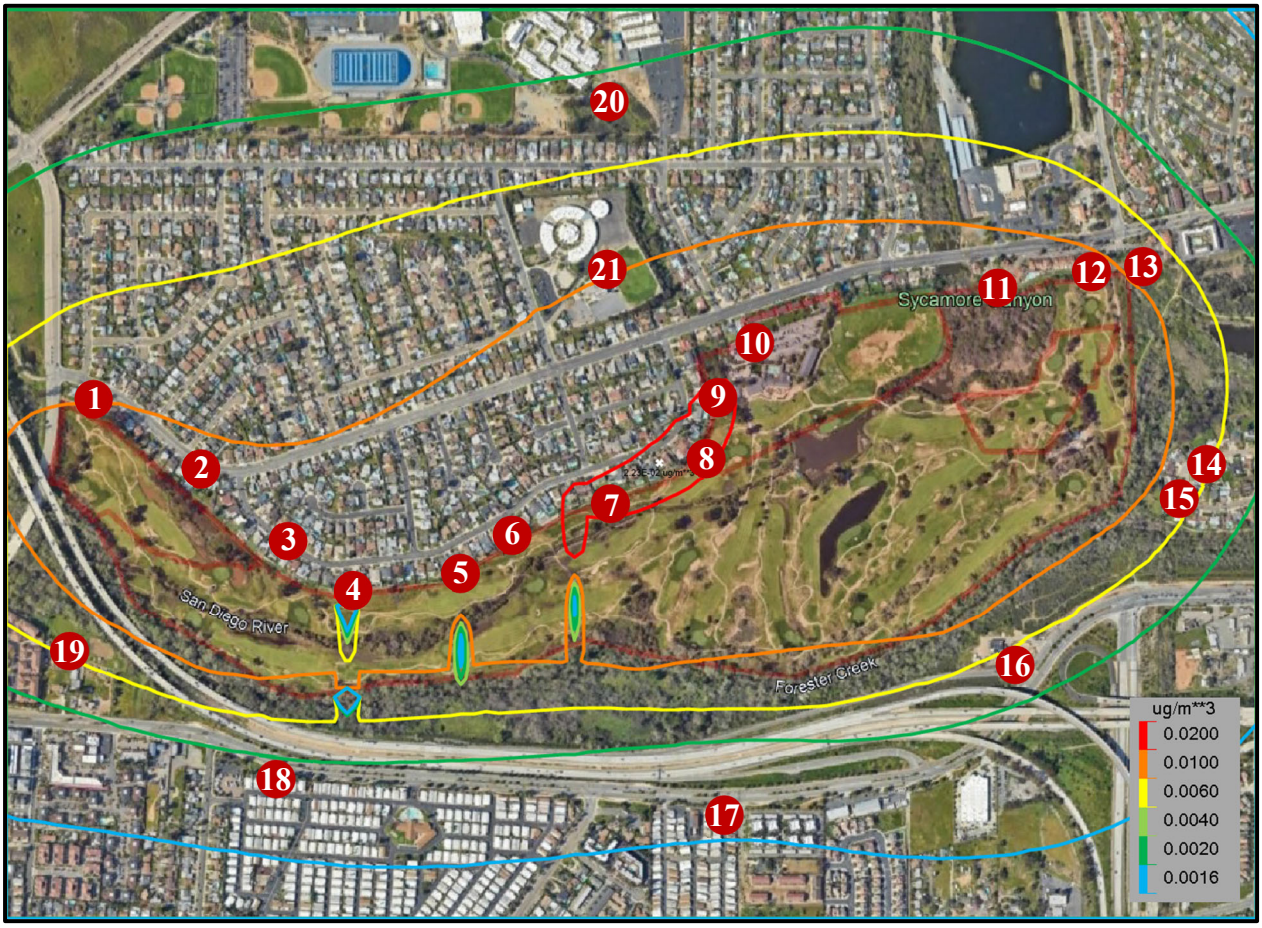
In 2004, the EPA finalized the Tier 4 emission standards, which were phased in from 2008 to 2015. These standards mandate approximately a 90% reduction in both nitrogen oxides (NOx) and particulate matter (PM) emissions compared to previous tiers. The substantial decrease in PM emissions directly addresses DPM reduction goals (EPA, 2025).

Using Tier 4 Final equipment as defined by the EPA will fully mitigate cancer risks from DPM. Based upon the CalEEMod outputs, Mitigated emissions for the NAR, WAR and Hotel Uses are 0.0122, 0.0083 and 0.0156 tons respectively over the construction project duration.

Calculations show that these respective areas generate average DPM emission rates during construction of $5.04x10^{-10}$ g/s-m$^2$, $3.25x10^{-10}$ g/s-m$^2$ and $1.02x10^{-10}$ g/s-m$^2$ respectively which is also shown in ***Attachment C*** to this report.

Using the AERMOD dispersion model, the peak concentration over the construction period is 0.022 µg/m³. Based on the risk equation in Section 3.2, the inhalation cancer risk for the worst-case residential receptor is 8.86 per million exposed which is a less than significant cancer health risk impact. Figure 4-B below shows the receptor locations and DPM contour concentrations in µg/m³ for the Mitigated scenario. Table 4.3 on the following page provides the calculated cancer risks for these receptors in terms of risk per million exposed, with the highest risk presented in bold.

**Figure 4-B: Mitigated Health Risk Contours**




Source: (Google Earth Pro, 2024)

**Table 4.3: Cancer Risk at each Receptor with Mitigation**

| | AERMOD Concentration | Cancer Risk |
|---|---|---|
| R1 | 0.0094 | 3.75 |
| R2 | 0.01276 | 5.09 |
| R3 | 0.01457 | 5.81 |
| R4 | 0.01772 | 7.07 |
| R5 | 0.01861 | 7.42 |
| R6 | 0.02081 | 8.30 |
| R7 | 0.02051 | 8.18 |
| **R8** | **0.02221** | **8.86** |
| R9 | 0.01992 | 7.94 |
| R10 | 0.01933 | 7.71 |
| R11 | 0.01773 | 7.07 |
| R12 | 0.01068 | 4.26 |
| R13 | 0.00783 | 3.12 |
| R14 | 0.00769 | 3.07 |
| R15 | 0.00811 | 3.23 |
| R16 | 0.00619 | 2.47 |
| R17 | 0.00233 | 0.93 |
| R18 | 0.0031 | 1.24 |
| R19 | 0.00621 | 2.48 |
| High School R20 | 0.00416 | 1.66 |
| Elementary School R21 | 0.00869 | 3.47 |

## 4.2 Operational Findings

CalEEMod was utilized to calculate air quality emissions from the fully operational COCCR Project. The modeling includes all PDFs identified in Section 1.2 of this report. The traffic for the proposed Project is estimated at 3,536 of which 1,588 trips are existing (Intersecting Metrics, 2025). The Traffic trip generation indicated that the total vehicle miles traveled would be 25,709.6 miles of which 10,091.6 miles would be existing. Traffic VMT and trips were manually modified within the model to reflect these details. This operational model input/output is provided as ***Attachment B*** to this report and is presented in Table 4.4 below. Based upon these calculations, the proposed project would not generate operational air quality impacts.

**Table 4.4: Expected Operational Air Quality Emissions**

| | ROG | $NO_x$ | CO | $SO_x$ | $PM_{10}$ | $PM_{2.5}$ |
|---|---|---|---|---|---|---|
| Maximum Daily Emissions | | | | | | |
| Operational Emissions (Lb/Day) | 24.4 | 8.75 | 121 | 0.2 | 18.3 | 4.75 |
| City Thresholds (lb/day) | 57 | 250 | 550 | 250 | 100 | 55 |
| **Exceeds Either Threshold** | **No** | **No** | **No** | **No** | **No** | **No** |
| Daily pollutant generation assumes trip distances and defaults within CalEEMod | | | | | | |

## 4.3 CO Hotspot Findings

A CO hot spot is a localized concentration of CO that is above the state or national 1-hour or 8-hour ambient air standards for the pollutant.

According to the local transportation analysis, all intersections where the proposed project would add more than 50 peak-hour trips to an intersection of LOS E or F may create local CO hotspot impacts. According to the local transportation analysis three intersections would meet this condition in the Horizon Year (Intersecting Metrics, 2025). These include:

1. West Hills Parkway & Mast Boulevard (San Diego): This intersection is anticipated to operate at LOS F during the AM peak hour under both without-project and with-project conditions. The addition of Proposed Project traffic would increase the overall intersection delay by 1.2 seconds during the AM peak hour. However, based on the traffic guidelines, this increase does not critically affect the intersection.
2. Carlton Hills Boulevard & Carlton Oaks Road (Santee): This intersection is anticipated to operate at LOS E during the AM peak hour under both without-project and with-project conditions. The addition of Proposed Project traffic would increase the overall intersection delay by 0.8 seconds in the AM peak hour. Similarly, this would not affect the intersection.
3. Carlton Hills Boulevard & Mission Gorge Road (Santee): This intersection is also anticipated to operate at LOS E during the AM peak hour under both without-project and with-project conditions. The addition of Proposed Project traffic would increase the overall intersection delay by 1.0 second in the AM peak hour which would not affect the intersection.

While these intersections would operate at LOS E or F under Horizon Year 2035 conditions, the incremental delays caused by the Proposed Project are minimal and would not affect the intersection per the Traffic Study. Based on the standards provided and the negligible increase in traffic delay, the peak-hour volumes generated by the Project would not trigger delays suitable to generate significant increases in CO for the Project (1.2 seconds). Therefore,

impacts related to exposure to CO hotspots at congested roadways during the horizon 2035 year would be less than significant, and no mitigation measures are required.

## 4.4 Cumulative Impacts

### Construction

Significant cumulative construction impacts are possible whenever two or more construction Projects near each other occur simultaneously and construction emissions from all the projects are combined. If the combined emissions exceed air quality significance thresholds identified above, a cumulative air quality impact would be expected. Based on the data estimated for the Project, project related construction emissions would be at least 48% below the City's construction significance threshold. A review of the cumulative projects list indicates that there are no known projects within the vicinity of the proposed Project where major construction would occur concurrently with the project. Because no projects are anticipated to occur within that area during construction of the Project, and the emissions from the Project are considerably low when compared against the thresholds, the potential for a cumulative construction impact would be very low. Given this, a less than significant cumulative construction impact would be expected.

### Operations

In the event direct impacts from a proposed project are less than significant, a project may still have a cumulatively considerable impact on air quality if the emissions of concern from the proposed project, in combination with the emissions of concern from other past, present, or reasonably foreseeable future projects within the proximity relevant to the pollutants of concern, are in excess of direct air quality impact thresholds. Table 4.4 shows the proposed project would not generate operational air quality impacts and would not exceed the City's thresholds for criteria pollutants. Because operation of the proposed project would result in emissions that would exceed the County's SDAPCD's SLTs, emissions would not be at levels that would result in a cumulatively considerable increase in criteria pollutants for which the project region is in nonattainment status. The emissions levels would not be expected to contribute to a significant level of air pollution such that regional air quality within the SDAB would be degraded. Thus, implementation of the proposed project would not result in a violation of any air quality standard or contribute substantially to an existing or projected air quality violation during project operations.

Conclusions

The geographic context for the analysis of cumulative air quality impacts is the SDAB. The RAQS and SIP are intended to address cumulative impacts in the SDAB, based on the future growth predicted by SANDAG. Given that the 2016 population within the City of Santee was 56,434, the addition of 686 net new residents would represent an approximately 1.2 percent increase (SANDAG 2022). By 2050, the city's population is expected to grow to 63,070, an increase of 6,636, or 11.8 percent (SANDAG 2022). The project's net increase would be well below the City's expected growth rate from 2020 to 2050; therefore, such an increase would be within population growth forecasts for the City. Moreover, as described in Section 3.2.3.3, Project Impacts and Mitigation Measures, criteria air pollutant emissions generated by the proposed project would not exceed the SDAPCD SLTs for any criteria pollutant. Thus, project emissions would not be expected to contribute a significant level of air pollution such that regional air quality within the SDAB would be degraded. Therefore, because implementation of the proposed project would not conflict with or obstruct implementation of the RAQS or SIP, the proposed project would not result in a cumulatively considerable impact.

## 5.0 REFERENCES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# ATTACHMENT A

Proposed COCCR Construction Equipment

## Attachment A: Carlton Oaks Country Club - Expected Construction Equipment

| Equipment Identification | Proposed Start | Proposed Complete | Quantity |
|---|---|---|---|
| **Project Import** | 8/4/2025 | 2/6/2026 | |
| Crawler Tractors | | | 1 |
| **Project Paving** | 7/13/2027 | 1/14/2028 | |
| Pavers | | | 2 |
| Paving Equipment | | | 2 |
| Rollers | | | 2 |
| **NAR-Demolition** | 7/1/2026 | 9/8/2026 | |
| Concrete/Industrial Saws | | | 1 |
| Excavators | | | 1 |
| Crawler Tractors | | | 1 |
| **NAR-Grading** | 8/1/2026 | 11/6/2026 | |
| Graders | | | 1 |
| Rubber Tired Dozers | | | 1 |
| Scrapers | | | 2 |
| Crawler Tractors | | | 2 |
| **NAR - Wet Utilities** | 11/10/2026 | 7/12/2027 | |
| Excavators | | | 2 |
| Tractors/Loaders/Backhoes | | | 2 |
| Rubber Tired Loaders | | | 2 |
| **NAR - Dry Utilities** | 2/27/2027 | 8/24/2027 | |
| Skid Steer Loaders | | | 1 |
| Rollers | | | 1 |
| Tractors/Loaders/Backhoes | | | 1 |
| **NAR-Building Construction** | 5/1/2027 | 1/12/2029 | |
| Forklifts | | | 2 |
| Tractors/Loaders/Backhoes | | | 2 |
| Welders | | | 1 |
| Rough Terrain Forklifts | | | 1 |
| **NAR-Architectural Coating** | 8/1/2028 | 1/12/2029 | |
| Air Compressors (Electric) | | | 1 |
| **WAR-Grading** | 8/1/2026 | 10/23/2026 | |
| Graders | | | 1 |
| Rubber Tired Dozers | | | 1 |
| Scrapers | | | 2 |
| Crawler Tractors | | | 2 |
| **WAR - Wet Utilities** | 11/10/2026 | 4/26/2027 | |
| Excavators | | | 2 |
| Tractors/Loaders/Backhoes | | | 2 |
| Rubber Tired Loaders | | | 2 |
| **WAR - Dry Utilities** | 2/27/2027 | 7/16/2027 | |
| Skid Steer Loaders | | | 1 |
| Rollers | | | 1 |
| Tractors/Loaders/Backhoes | | | 1 |
| **WAR-Building Construction** | 5/1/2027 | 12/3/2028 | |
| Forklifts | | | 2 |
| Tractors/Loaders/Backhoes | | | 2 |

| | | | |
|---|---|---|---|
| Welders | | | 1 |
| Rough Terrain Forklifts | | | 1 |
| **WAR-Architectural Coating** | 9/1/2028 | 12/3/2028 | |
| Air Compressors (Electric) | | | 1 |
| **Hotel/Golf Course-Grading Excavation** | 8/1/2026 | 4/28/2027 | |
| Rubber Tired Dozers | | | 1 |
| Graders | | | 1 |
| Scrapers | | | 1 |
| Crawler Tractors | | | 1 |
| **Hotel/Golf Course-Grading** | 3/24/2027 | 11/30/2027 | |
| Graders | | | 1 |
| Rubber Tired Dozers | | | 1 |
| Scrapers | | | 2 |
| Crawler Tractors | | | 2 |
| **Hotel/Golf Course-Finish** | 4/2/2028 | 6/6/2028 | |
| Graders | | | 1 |
| Crawler Tractors | | | 1 |
| Scrapers | | | 1 |
| **Hotel/Golf Course-Clubhouse Construction** | 12/1/2027 | 4/29/2028 | |
| Cranes | | | 1 |
| Forklifts | | | 1 |
| Tractors/Loaders/Backhoes | | | 2 |
| Welders | | | 1 |
| Rough Terrain Forklifts | | | 1 |
| **Hotel/Golf Course- Clubhouse Architectural Coa** | 3/1/2028 | 3/29/2028 | |
| Air Compressors (Electric) | | | 1 |
| **Hotel/Golf Course - Hotel Construction** | 4/9/2028 | 11/15/2028 | |
| Cranes | | | 1 |
| Forklifts | | | 1 |
| Tractors/Loaders/Backhoes | | | 2 |
| Welders | | | 1 |
| Rough Terrain Forklifts | | | 1 |
| **Hotel/Golf Course-Hotel Architectural Coating** | 11/20/2028 | 12/26/2028 | |
| Air Compressors (Electric) | | | 1 |

# **ATTACHMENT B**

CalEEMod Modeling – Proposed COCCR Project

# LDN - Carlton Oaks Proposed Project -Mitigated Detailed Report

## Table of Contents

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | LDN - Carlton Oaks Proposed Project -Mitigated |
| Construction Start Date | 8/4/2025 |
| Operational Year | 2029 |
| Lead Agency | — |
| Land Use Scale | Project/site |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 2.60 |
| Precipitation (days) | 7.60 |
| Location | 32.84031356853605, -117.01200407659489 |
| County | San Diego |
| City | Santee |
| Air District | San Diego County APCD |
| Air Basin | San Diego |
| TAZ | 6540 |
| EDFZ | 12 |
| Electric Utility | San Diego Gas & Electric |
| Gas Utility | San Diego Gas & Electric |
| App Version | 2022.1.1.29 |

## 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 |
|---|---|---|---|---|---|---|---|---|
| Condo/Townhouse | 236 | Dwelling Unit | 14.8 | 250,160 | 80,000 | — | 658 | — |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Golf Course | 104 | Acre | 104 | 0.00 | 4,530,240 | 4,530,240 | — | — |
| Parking Lot | 292 | Space | 2.63 | 0.00 | 0.00 | 0.00 | — | — |
| Other Asphalt Surfaces | 378 | 1000sqft | 8.68 | 0.00 | 0.00 | 0.00 | — | — |
| Racquet Club | 23.3 | 1000sqft | 0.54 | 23,325 | 0.00 | 0.00 | — | — |
| Hotel | 52.0 | Room | 1.73 | 75,504 | 92,482 | 0.00 | — | — |
| Quality Restaurant | 3.67 | 1000sqft | 0.08 | 3,675 | 0.00 | 0.00 | — | — |
| Single Family Housing | 6.00 | Dwelling Unit | 1.95 | 11,700 | 70,277 | — | 17.0 | — |

### 1.3. User-Selected Emission Reduction Measures by Emissions Sector

| Sector | # | Measure Title |
|---|---|---|
| Construction | C-5 | Use Advanced Engine Tiers |
| Energy | E-2 | Require Energy Efficient Appliances |
| Water | W-4 | Require Low-Flow Water Fixtures |
| Waste | S-1/S-2 | Implement Waste Reduction Plan |

## 2. Emissions Summary

### 2.1. Construction Emissions Compared Against Thresholds

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

| Un/Mit. | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 25.1 | 45.7 | 53.4 | 0.11 | 1.95 | 9.96 | 11.9 | 1.78 | 2.75 | 4.53 | — | 13,767 | 13,767 | 0.59 | 0.70 | 14,001 |
| Mit. | 24.0 | 12.7 | 67.2 | 0.11 | 0.24 | 9.96 | 10.2 | 0.22 | 2.75 | 2.98 | — | 13,767 | 13,767 | 0.59 | 0.70 | 14,001 |
| % Reduced | 4% | 72% | -26% | — | 87% | — | 14% | 87% | — | 34% | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 39.9 | 38.9 | 52.9 | 0.10 | 1.78 | 5.75 | 7.53 | 1.63 | 1.99 | 3.63 | — | 11,492 | 11,492 | 0.48 | 0.58 | 11,574 |
| Mit. | 39.3 | 12.3 | 66.7 | 0.10 | 0.20 | 5.75 | 5.93 | 0.20 | 1.99 | 2.17 | — | 12,073 | 12,073 | 0.50 | 0.58 | 12,156 |
| % Reduced | 2% | 68% | -26% | -6% | 88% | — | 21% | 87% | — | 40% | — | -5% | -5% | -5% | — | -5% |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 9.00 | 20.9 | 31.2 | 0.05 | 0.78 | 2.24 | 3.02 | 0.72 | 0.69 | 1.41 | — | 6,540 | 6,540 | 0.27 | 0.17 | 6,600 |
| Mit. | 8.14 | 6.90 | 36.5 | 0.05 | 0.11 | 2.24 | 2.35 | 0.11 | 0.69 | 0.80 | — | 6,720 | 6,720 | 0.28 | 0.17 | 6,781 |
| % Reduced | 10% | 67% | -17% | -3% | 86% | — | 22% | 85% | — | 44% | — | -3% | -3% | -3% | -1% | -3% |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 1.64 | 3.81 | 5.69 | 0.01 | 0.14 | 0.41 | 0.55 | 0.13 | 0.13 | 0.26 | — | 1,083 | 1,083 | 0.05 | 0.03 | 1,093 |
| Mit. | 1.49 | 1.26 | 6.65 | 0.01 | 0.02 | 0.41 | 0.43 | 0.02 | 0.13 | 0.15 | — | 1,113 | 1,113 | 0.05 | 0.03 | 1,123 |
| % Reduced | 10% | 67% | -17% | -3% | 86% | — | 22% | 85% | — | 44% | — | -3% | -3% | -3% | -1% | -3% |

## 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily - Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2025 | 0.49 | 8.99 | 6.14 | 0.03 | 0.20 | 1.20 | 1.40 | 0.19 | 0.29 | 0.48 | — | 4,056 | 4,056 | 0.28 | 0.58 | 4,244 |
| 2026 | 4.96 | 45.7 | 43.4 | 0.11 | 1.95 | 9.96 | 11.9 | 1.78 | 2.75 | 4.53 | — | 13,767 | 13,767 | 0.59 | 0.70 | 14,001 |
| 2027 | 4.76 | 37.8 | 53.4 | 0.10 | 1.52 | 4.33 | 5.85 | 1.40 | 1.40 | 2.80 | — | 11,548 | 11,548 | 0.47 | 0.31 | 11,633 |
| 2028 | 25.1 | 30.1 | 48.3 | 0.08 | 1.00 | 1.52 | 2.48 | 0.92 | 0.37 | 1.28 | — | 10,243 | 10,243 | 0.39 | 0.27 | 10,340 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2025 | 0.47 | 9.28 | 6.14 | 0.03 | 0.20 | 1.20 | 1.40 | 0.19 | 0.29 | 0.48 | — | 4,053 | 4,053 | 0.28 | 0.58 | 4,234 |
| 2026 | 4.54 | 38.9 | 38.1 | 0.09 | 1.78 | 5.75 | 7.53 | 1.63 | 1.99 | 3.63 | — | 9,844 | 9,844 | 0.41 | 0.58 | 9,900 |
| 2027 | 4.75 | 37.9 | 52.9 | 0.10 | 1.52 | 4.33 | 5.85 | 1.40 | 1.40 | 2.80 | — | 11,492 | 11,492 | 0.48 | 0.26 | 11,574 |
| 2028 | 39.9 | 22.8 | 38.6 | 0.06 | 0.67 | 1.52 | 2.07 | 0.62 | 0.37 | 0.96 | — | 7,596 | 7,596 | 0.29 | 0.25 | 7,674 |
| 2029 | 13.3 | 5.00 | 10.4 | 0.02 | 0.10 | 0.93 | 1.03 | 0.09 | 0.23 | 0.31 | — | 2,443 | 2,443 | 0.09 | 0.13 | 2,484 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2025 | 0.14 | 2.70 | 1.79 | 0.01 | 0.06 | 0.35 | 0.41 | 0.06 | 0.09 | 0.14 | — | 1,189 | 1,189 | 0.08 | 0.17 | 1,243 |
| 2026 | 1.20 | 11.0 | 11.4 | 0.03 | 0.45 | 1.89 | 2.34 | 0.41 | 0.54 | 0.95 | — | 3,305 | 3,305 | 0.15 | 0.16 | 3,357 |
| 2027 | 2.68 | 20.9 | 31.2 | 0.05 | 0.78 | 2.24 | 3.02 | 0.72 | 0.69 | 1.41 | — | 6,540 | 6,540 | 0.27 | 0.17 | 6,600 |
| 2028 | 9.00 | 12.1 | 21.1 | 0.03 | 0.34 | 0.96 | 1.30 | 0.31 | 0.23 | 0.55 | — | 4,483 | 4,483 | 0.17 | 0.16 | 4,537 |
| 2029 | 0.31 | 0.12 | 0.24 | < 0.005 | < 0.005 | 0.02 | 0.02 | < 0.005 | 0.01 | 0.01 | — | 57.6 | 57.6 | < 0.005 | < 0.005 | 58.6 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2025 | 0.03 | 0.49 | 0.33 | < 0.005 | 0.01 | 0.06 | 0.07 | 0.01 | 0.02 | 0.03 | — | 197 | 197 | 0.01 | 0.03 | 206 |
| 2026 | 0.22 | 2.00 | 2.08 | < 0.005 | 0.08 | 0.35 | 0.43 | 0.08 | 0.10 | 0.17 | — | 547 | 547 | 0.02 | 0.03 | 556 |
| 2027 | 0.49 | 3.81 | 5.69 | 0.01 | 0.14 | 0.41 | 0.55 | 0.13 | 0.13 | 0.26 | — | 1,083 | 1,083 | 0.05 | 0.03 | 1,093 |
| 2028 | 1.64 | 2.22 | 3.84 | 0.01 | 0.06 | 0.18 | 0.24 | 0.06 | 0.04 | 0.10 | — | 742 | 742 | 0.03 | 0.03 | 751 |
| 2029 | 0.06 | 0.02 | 0.04 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 9.53 | 9.53 | < 0.005 | < 0.005 | 9.70 |

## 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily - Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2025 | 0.29 | 7.21 | 6.12 | 0.03 | 0.07 | 1.20 | 1.26 | 0.07 | 0.29 | 0.36 | — | 4,056 | 4,056 | 0.28 | 0.58 | 4,244 |
| 2026 | 1.26 | 10.5 | 54.7 | 0.11 | 0.24 | 9.96 | 10.2 | 0.22 | 2.75 | 2.98 | — | 13,767 | 13,767 | 0.59 | 0.70 | 14,001 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2027 | 1.83 | 12.7 | 67.2 | 0.10 | 0.20 | 4.33 | 4.53 | 0.20 | 1.40 | 1.60 | — | 12,128 | 12,128 | 0.50 | 0.32 | 12,215 |
| 2028 | 24.0 | 9.22 | 55.4 | 0.08 | 0.16 | 1.52 | 1.65 | 0.16 | 0.37 | 0.52 | — | 10,243 | 10,243 | 0.39 | 0.27 | 10,340 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2025 | 0.27 | 7.49 | 6.12 | 0.03 | 0.07 | 1.20 | 1.26 | 0.07 | 0.29 | 0.36 | — | 4,053 | 4,053 | 0.28 | 0.58 | 4,234 |
| 2026 | 1.07 | 7.29 | 49.5 | 0.09 | 0.17 | 5.75 | 5.93 | 0.17 | 1.99 | 2.17 | — | 9,844 | 9,844 | 0.41 | 0.58 | 9,900 |
| 2027 | 1.50 | 12.3 | 66.7 | 0.10 | 0.20 | 4.33 | 4.53 | 0.20 | 1.40 | 1.60 | — | 12,073 | 12,073 | 0.50 | 0.26 | 12,156 |
| 2028 | 39.3 | 8.28 | 41.7 | 0.06 | 0.12 | 1.52 | 1.61 | 0.12 | 0.37 | 0.46 | — | 7,596 | 7,596 | 0.29 | 0.25 | 7,674 |
| 2029 | 13.0 | 2.48 | 10.7 | 0.02 | 0.03 | 0.93 | 0.96 | 0.02 | 0.23 | 0.25 | — | 2,443 | 2,443 | 0.09 | 0.13 | 2,484 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2025 | 0.08 | 2.18 | 1.78 | 0.01 | 0.02 | 0.35 | 0.37 | 0.02 | 0.09 | 0.10 | — | 1,189 | 1,189 | 0.08 | 0.17 | 1,243 |
| 2026 | 0.32 | 2.83 | 14.0 | 0.03 | 0.06 | 1.89 | 1.95 | 0.05 | 0.54 | 0.60 | — | 3,305 | 3,305 | 0.15 | 0.16 | 3,357 |
| 2027 | 0.99 | 6.90 | 36.5 | 0.05 | 0.11 | 2.24 | 2.35 | 0.11 | 0.69 | 0.80 | — | 6,720 | 6,720 | 0.28 | 0.17 | 6,781 |
| 2028 | 8.14 | 4.53 | 23.1 | 0.03 | 0.07 | 0.96 | 1.03 | 0.07 | 0.23 | 0.30 | — | 4,483 | 4,483 | 0.17 | 0.16 | 4,537 |
| 2029 | 0.30 | 0.06 | 0.25 | < 0.005 | < 0.005 | 0.02 | 0.02 | < 0.005 | 0.01 | 0.01 | — | 57.6 | 57.6 | < 0.005 | < 0.005 | 58.6 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2025 | 0.02 | 0.40 | 0.33 | < 0.005 | < 0.005 | 0.06 | 0.07 | < 0.005 | 0.02 | 0.02 | — | 197 | 197 | 0.01 | 0.03 | 206 |
| 2026 | 0.06 | 0.52 | 2.56 | < 0.005 | 0.01 | 0.35 | 0.36 | 0.01 | 0.10 | 0.11 | — | 547 | 547 | 0.02 | 0.03 | 556 |
| 2027 | 0.18 | 1.26 | 6.65 | 0.01 | 0.02 | 0.41 | 0.43 | 0.02 | 0.13 | 0.15 | — | 1,113 | 1,113 | 0.05 | 0.03 | 1,123 |
| 2028 | 1.49 | 0.83 | 4.21 | 0.01 | 0.01 | 0.18 | 0.19 | 0.01 | 0.04 | 0.05 | — | 742 | 742 | 0.03 | 0.03 | 751 |
| 2029 | 0.06 | 0.01 | 0.05 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 9.53 | 9.53 | < 0.005 | < 0.005 | 9.70 |

## 2.4. Operations Emissions Compared Against Thresholds

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

| Un/Mit. | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unmit. | 23.7 | 7.54 | 118 | 0.20 | 0.15 | 18.2 | 18.3 | 0.14 | 4.60 | 4.74 | 261 | 21,192 | 21,453 | 27.7 | 0.91 | 22,593 |
| Mit. | 23.7 | 7.54 | 118 | 0.20 | 0.15 | 18.2 | 18.3 | 0.14 | 4.60 | 4.74 | 198 | 21,154 | 21,352 | 21.4 | 0.90 | 22,330 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | 24% | < 0.5% | < 0.5% | 23% | 1% | 1% |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 23.5 | 8.26 | 114 | 0.19 | 0.15 | 18.2 | 18.3 | 0.14 | 4.60 | 4.74 | 261 | 20,306 | 20,566 | 27.8 | 0.96 | 21,674 |
| Mit. | 23.5 | 8.26 | 114 | 0.19 | 0.15 | 18.2 | 18.3 | 0.14 | 4.60 | 4.74 | 198 | 20,267 | 20,465 | 21.4 | 0.95 | 21,411 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | 24% | < 0.5% | < 0.5% | 23% | 1% | 1% |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 23.1 | 8.09 | 102 | 0.19 | 0.15 | 18.1 | 18.2 | 0.14 | 4.58 | 4.72 | 261 | 20,416 | 20,676 | 27.7 | 0.95 | 21,801 |
| Mit. | 23.1 | 8.09 | 102 | 0.19 | 0.15 | 18.1 | 18.2 | 0.14 | 4.58 | 4.72 | 198 | 20,377 | 20,575 | 21.4 | 0.94 | 21,538 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | 24% | < 0.5% | < 0.5% | 23% | 1% | 1% |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 4.21 | 1.48 | 18.7 | 0.04 | 0.03 | 3.30 | 3.32 | 0.03 | 0.84 | 0.86 | 43.2 | 3,380 | 3,423 | 4.59 | 0.16 | 3,609 |
| Mit. | 4.21 | 1.48 | 18.7 | 0.04 | 0.03 | 3.30 | 3.32 | 0.03 | 0.84 | 0.86 | 32.7 | 3,374 | 3,406 | 3.55 | 0.16 | 3,566 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | 24% | < 0.5% | < 0.5% | 23% | 1% | 1% |

## 2.5. Operations Emissions by Sector, Unmitigated

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

| Sector | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 11.9 | 7.24 | 79.5 | 0.20 | 0.14 | 18.2 | 18.3 | 0.13 | 4.60 | 4.73 | — | 20,138 | 20,138 | 0.95 | 0.78 | 20,444 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Area | 11.8 | 0.19 | 38.3 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 0.00 | 79.3 | 79.3 | < 0.005 | < 0.005 | 79.6 |
| Energy | 0.01 | 0.11 | 0.09 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 863 | 863 | 0.55 | 0.07 | 897 |
| Water | — | — | — | — | — | — | — | — | — | — | 23.6 | 112 | 135 | 2.50 | 0.07 | 218 |
| Waste | — | — | — | — | — | — | — | — | — | — | 237 | 0.00 | 237 | 23.7 | 0.00 | 830 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 126 |
| Total | 23.7 | 7.54 | 118 | 0.20 | 0.15 | 18.2 | 18.3 | 0.14 | 4.60 | 4.74 | 261 | 21,192 | 21,453 | 27.7 | 0.91 | 22,593 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 11.7 | 7.96 | 75.7 | 0.19 | 0.14 | 18.2 | 18.3 | 0.13 | 4.60 | 4.73 | — | 19,251 | 19,251 | 1.01 | 0.83 | 19,524 |
| Area | 11.8 | 0.19 | 38.3 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 0.00 | 79.3 | 79.3 | < 0.005 | < 0.005 | 79.6 |
| Energy | 0.01 | 0.11 | 0.09 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 863 | 863 | 0.55 | 0.07 | 897 |
| Water | — | — | — | — | — | — | — | — | — | — | 23.6 | 112 | 135 | 2.50 | 0.07 | 218 |
| Waste | — | — | — | — | — | — | — | — | — | — | 237 | 0.00 | 237 | 23.7 | 0.00 | 830 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 126 |
| Total | 23.5 | 8.26 | 114 | 0.19 | 0.15 | 18.2 | 18.3 | 0.14 | 4.60 | 4.74 | 261 | 20,306 | 20,566 | 27.8 | 0.96 | 21,674 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 11.5 | 7.84 | 75.5 | 0.19 | 0.14 | 18.1 | 18.2 | 0.13 | 4.58 | 4.71 | — | 19,385 | 19,385 | 1.00 | 0.82 | 19,675 |
| Area | 11.5 | 0.13 | 26.9 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 0.00 | 55.7 | 55.7 | < 0.005 | < 0.005 | 55.9 |
| Energy | 0.01 | 0.11 | 0.09 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 863 | 863 | 0.55 | 0.07 | 897 |
| Water | — | — | — | — | — | — | — | — | — | — | 23.6 | 112 | 135 | 2.50 | 0.07 | 218 |
| Waste | — | — | — | — | — | — | — | — | — | — | 237 | 0.00 | 237 | 23.7 | 0.00 | 830 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 126 |
| Total | 23.1 | 8.09 | 102 | 0.19 | 0.15 | 18.1 | 18.2 | 0.14 | 4.58 | 4.72 | 261 | 20,416 | 20,676 | 27.7 | 0.95 | 21,801 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 2.11 | 1.43 | 13.8 | 0.03 | 0.03 | 3.30 | 3.32 | 0.02 | 0.84 | 0.86 | — | 3,209 | 3,209 | 0.16 | 0.14 | 3,257 |
| Area | 2.11 | 0.02 | 4.90 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 0.00 | 9.22 | 9.22 | < 0.005 | < 0.005 | 9.26 |
| Energy | < 0.005 | 0.02 | 0.02 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 143 | 143 | 0.09 | 0.01 | 148 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Water | — | — | — | — | — | — | — | — | — | — | 3.91 | 18.5 | 22.4 | 0.41 | 0.01 | 36.1 |
| Waste | — | — | — | — | — | — | — | — | — | — | 39.3 | 0.00 | 39.3 | 3.92 | 0.00 | 137 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 20.8 |
| Total | 4.21 | 1.48 | 18.7 | 0.04 | 0.03 | 3.30 | 3.32 | 0.03 | 0.84 | 0.86 | 43.2 | 3,380 | 3,423 | 4.59 | 0.16 | 3,609 |

## 2.6. Operations Emissions by Sector, Mitigated

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

| Sector | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 11.9 | 7.24 | 79.5 | 0.20 | 0.14 | 18.2 | 18.3 | 0.13 | 4.60 | 4.73 | — | 20,138 | 20,138 | 0.95 | 0.78 | 20,444 |
| Area | 11.8 | 0.19 | 38.3 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 0.00 | 79.3 | 79.3 | < 0.005 | < 0.005 | 79.6 |
| Energy | 0.01 | 0.11 | 0.09 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 827 | 827 | 0.52 | 0.06 | 858 |
| Water | — | — | — | — | — | — | — | — | — | — | 20.0 | 110 | 130 | 2.13 | 0.06 | 201 |
| Waste | — | — | — | — | — | — | — | — | — | — | 178 | 0.00 | 178 | 17.8 | 0.00 | 622 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 126 |
| Total | 23.7 | 7.54 | 118 | 0.20 | 0.15 | 18.2 | 18.3 | 0.14 | 4.60 | 4.74 | 198 | 21,154 | 21,352 | 21.4 | 0.90 | 22,330 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 11.7 | 7.96 | 75.7 | 0.19 | 0.14 | 18.2 | 18.3 | 0.13 | 4.60 | 4.73 | — | 19,251 | 19,251 | 1.01 | 0.83 | 19,524 |
| Area | 11.8 | 0.19 | 38.3 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 0.00 | 79.3 | 79.3 | < 0.005 | < 0.005 | 79.6 |
| Energy | 0.01 | 0.11 | 0.09 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 827 | 827 | 0.52 | 0.06 | 858 |
| Water | — | — | — | — | — | — | — | — | — | — | 20.0 | 110 | 130 | 2.13 | 0.06 | 201 |
| Waste | — | — | — | — | — | — | — | — | — | — | 178 | 0.00 | 178 | 17.8 | 0.00 | 622 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 126 |
| Total | 23.5 | 8.26 | 114 | 0.19 | 0.15 | 18.2 | 18.3 | 0.14 | 4.60 | 4.74 | 198 | 20,267 | 20,465 | 21.4 | 0.95 | 21,411 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mobile | 11.5 | 7.84 | 75.5 | 0.19 | 0.14 | 18.1 | 18.2 | 0.13 | 4.58 | 4.71 | — | 19,385 | 19,385 | 1.00 | 0.82 | 19,675 |
| Area | 11.5 | 0.13 | 26.9 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 0.00 | 55.7 | 55.7 | < 0.005 | < 0.005 | 55.9 |
| Energy | 0.01 | 0.11 | 0.09 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 827 | 827 | 0.52 | 0.06 | 858 |
| Water | — | — | — | — | — | — | — | — | — | — | 20.0 | 110 | 130 | 2.13 | 0.06 | 201 |
| Waste | — | — | — | — | — | — | — | — | — | — | 178 | 0.00 | 178 | 17.8 | 0.00 | 622 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 126 |
| Total | 23.1 | 8.09 | 102 | 0.19 | 0.15 | 18.1 | 18.2 | 0.14 | 4.58 | 4.72 | 198 | 20,377 | 20,575 | 21.4 | 0.94 | 21,538 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 2.11 | 1.43 | 13.8 | 0.03 | 0.03 | 3.30 | 3.32 | 0.02 | 0.84 | 0.86 | — | 3,209 | 3,209 | 0.16 | 0.14 | 3,257 |
| Area | 2.11 | 0.02 | 4.90 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 0.00 | 9.22 | 9.22 | < 0.005 | < 0.005 | 9.26 |
| Energy | < 0.005 | 0.02 | 0.02 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 137 | 137 | 0.09 | 0.01 | 142 |
| Water | — | — | — | — | — | — | — | — | — | — | 3.31 | 18.2 | 21.5 | 0.35 | 0.01 | 33.2 |
| Waste | — | — | — | — | — | — | — | — | — | — | 29.4 | 0.00 | 29.4 | 2.94 | 0.00 | 103 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 20.8 |
| Total | 4.21 | 1.48 | 18.7 | 0.04 | 0.03 | 3.30 | 3.32 | 0.03 | 0.84 | 0.86 | 32.7 | 3,374 | 3,406 | 3.55 | 0.16 | 3,566 |

# 3. Construction Emissions Details

## 3.1. NAR-Demolition (2026) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.27 | 2.36 | 2.65 | < 0.005 | 0.11 | — | 0.11 | 0.10 | — | 0.10 | — | 367 | 367 | 0.01 | < 0.005 | 368 |
| Demolition | — | — | — | — | — | 3.18 | 3.18 | — | 0.48 | 0.48 | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.04 | 0.32 | 0.36 | < 0.005 | 0.02 | — | 0.02 | 0.01 | — | 0.01 | — | 50.3 | 50.3 | < 0.005 | < 0.005 | 50.5 |
| Demolition | — | — | — | — | — | 0.44 | 0.44 | — | 0.07 | 0.07 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.06 | 0.07 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 8.33 | 8.33 | < 0.005 | < 0.005 | 8.36 |
| Demolition | — | — | — | — | — | 0.08 | 0.08 | — | 0.01 | 0.01 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.06 | 0.05 | 0.72 | 0.00 | 0.00 | 0.14 | 0.14 | 0.00 | 0.03 | 0.03 | — | 151 | 151 | 0.01 | 0.01 | 154 |
| Vendor | < 0.005 | 0.18 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 141 | 141 | 0.01 | 0.02 | 148 |
| Hauling | 0.07 | 4.17 | 1.60 | 0.02 | 0.06 | 0.85 | 0.91 | 0.04 | 0.23 | 0.27 | — | 3,235 | 3,235 | 0.16 | 0.52 | 3,401 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.09 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | < 0.005 | < 0.005 | — | 19.7 | 19.7 | < 0.005 | < 0.005 | 20.0 |
| Vendor | < 0.005 | 0.03 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 19.4 | 19.4 | < 0.005 | < 0.005 | 20.2 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.01 | 0.59 | 0.22 | < 0.005 | 0.01 | 0.12 | 0.12 | 0.01 | 0.03 | 0.04 | — | 443 | 443 | 0.02 | 0.07 | 465 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | 0.02 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 3.27 | 3.27 | < 0.005 | < 0.005 | 3.32 |
| Vendor | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 3.21 | 3.21 | < 0.005 | < 0.005 | 3.35 |
| Hauling | < 0.005 | 0.11 | 0.04 | < 0.005 | < 0.005 | 0.02 | 0.02 | < 0.005 | 0.01 | 0.01 | — | 73.4 | 73.4 | < 0.005 | 0.01 | 77.1 |

## 3.2. NAR-Demolition (2026) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 1.00 | 2.59 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 367 | 367 | 0.01 | < 0.005 | 368 |
| Demolition | — | — | — | — | — | 3.18 | 3.18 | — | 0.48 | 0.48 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.14 | 0.35 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 50.3 | 50.3 | < 0.005 | < 0.005 | 50.5 |
| Demolition | — | — | — | — | — | 0.44 | 0.44 | — | 0.07 | 0.07 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | < 0.005 | 0.03 | 0.06 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 8.33 | 8.33 | < 0.005 | < 0.005 | 8.36 |
| Demolition | — | — | — | — | — | 0.08 | 0.08 | — | 0.01 | 0.01 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.06 | 0.05 | 0.72 | 0.00 | 0.00 | 0.14 | 0.14 | 0.00 | 0.03 | 0.03 | — | 151 | 151 | 0.01 | 0.01 | 154 |
| Vendor | < 0.005 | 0.18 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 141 | 141 | 0.01 | 0.02 | 148 |
| Hauling | 0.07 | 4.17 | 1.60 | 0.02 | 0.06 | 0.85 | 0.91 | 0.04 | 0.23 | 0.27 | — | 3,235 | 3,235 | 0.16 | 0.52 | 3,401 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.09 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | < 0.005 | < 0.005 | — | 19.7 | 19.7 | < 0.005 | < 0.005 | 20.0 |
| Vendor | < 0.005 | 0.03 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 19.4 | 19.4 | < 0.005 | < 0.005 | 20.2 |
| Hauling | 0.01 | 0.59 | 0.22 | < 0.005 | 0.01 | 0.12 | 0.12 | 0.01 | 0.03 | 0.04 | — | 443 | 443 | 0.02 | 0.07 | 465 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | 0.02 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 3.27 | 3.27 | < 0.005 | < 0.005 | 3.32 |
| Vendor | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 3.21 | 3.21 | < 0.005 | < 0.005 | 3.35 |
| Hauling | < 0.005 | 0.11 | 0.04 | < 0.005 | < 0.005 | 0.02 | 0.02 | < 0.005 | 0.01 | 0.01 | — | 73.4 | 73.4 | < 0.005 | 0.01 | 77.1 |

## 3.3. Project import (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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.22 | 1.92 | 1.85 | < 0.005 | 0.14 | — | 0.14 | 0.13 | — | 0.13 | — | 262 | 262 | 0.01 | < 0.005 | 262 |
| Dust From Material Movement | — | — | — | — | — | 0.20 | 0.20 | — | 0.02 | 0.02 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.22 | 1.92 | 1.85 | < 0.005 | 0.14 | — | 0.14 | 0.13 | — | 0.13 | — | 262 | 262 | 0.01 | < 0.005 | 262 |
| Dust From Material Movement | — | — | — | — | — | 0.20 | 0.20 | — | 0.02 | 0.02 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.06 | 0.56 | 0.54 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | — | 76.8 | 76.8 | < 0.005 | < 0.005 | 77.0 |
| Dust From Material Movement | — | — | — | — | — | 0.06 | 0.06 | — | 0.01 | 0.01 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.10 | 0.10 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 12.7 | 12.7 | < 0.005 | < 0.005 | 12.8 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dust From Material Movement | — | — | — | — | — | 0.01 | 0.01 | — | < 0.005 | < 0.005 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.07 | 0.05 | 0.77 | 0.00 | 0.00 | 0.14 | 0.14 | 0.00 | 0.03 | 0.03 | — | 154 | 154 | 0.01 | 0.01 | 157 |
| Vendor | 0.01 | 0.19 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 144 | 144 | 0.01 | 0.02 | 151 |
| Hauling | 0.19 | 6.83 | 3.43 | 0.02 | 0.06 | 0.82 | 0.88 | 0.06 | 0.23 | 0.28 | — | 3,496 | 3,496 | 0.25 | 0.55 | 3,674 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.07 | 0.06 | 0.68 | 0.00 | 0.00 | 0.14 | 0.14 | 0.00 | 0.03 | 0.03 | — | 146 | 146 | 0.01 | 0.01 | 148 |
| Vendor | 0.01 | 0.20 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 144 | 144 | 0.01 | 0.02 | 150 |
| Hauling | 0.17 | 7.11 | 3.51 | 0.02 | 0.06 | 0.82 | 0.88 | 0.06 | 0.23 | 0.28 | — | 3,502 | 3,502 | 0.25 | 0.55 | 3,673 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.02 | 0.02 | 0.20 | 0.00 | 0.00 | 0.04 | 0.04 | 0.00 | 0.01 | 0.01 | — | 43.2 | 43.2 | < 0.005 | < 0.005 | 43.8 |
| Vendor | < 0.005 | 0.06 | 0.03 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 42.3 | 42.3 | < 0.005 | 0.01 | 44.1 |
| Hauling | 0.05 | 2.06 | 1.02 | 0.01 | 0.02 | 0.24 | 0.26 | 0.02 | 0.07 | 0.08 | — | 1,027 | 1,027 | 0.07 | 0.16 | 1,078 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 7.15 | 7.15 | < 0.005 | < 0.005 | 7.26 |
| Vendor | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 7.00 | 7.00 | < 0.005 | < 0.005 | 7.31 |
| Hauling | 0.01 | 0.38 | 0.19 | < 0.005 | < 0.005 | 0.04 | 0.05 | < 0.005 | 0.01 | 0.02 | — | 170 | 170 | 0.01 | 0.03 | 179 |

## 3.4. Project import (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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02 | 0.13 | 1.83 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 262 | 262 | 0.01 | < 0.005 | 262 |
| Dust From Material Movement | — | — | — | — | — | 0.20 | 0.20 | — | 0.02 | 0.02 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02 | 0.13 | 1.83 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 262 | 262 | 0.01 | < 0.005 | 262 |
| Dust From Material Movement | — | — | — | — | — | 0.20 | 0.20 | — | 0.02 | 0.02 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.04 | 0.54 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 76.8 | 76.8 | < 0.005 | < 0.005 | 77.0 |
| Dust From Material Movement | — | — | — | — | — | 0.06 | 0.06 | — | 0.01 | 0.01 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | < 0.005 | 0.01 | 0.10 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 12.7 | 12.7 | < 0.005 | < 0.005 | 12.8 |
| Dust From Material Movement | — | — | — | — | — | 0.01 | 0.01 | — | < 0.005 | < 0.005 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.07 | 0.05 | 0.77 | 0.00 | 0.00 | 0.14 | 0.14 | 0.00 | 0.03 | 0.03 | — | 154 | 154 | 0.01 | 0.01 | 157 |
| Vendor | 0.01 | 0.19 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 144 | 144 | 0.01 | 0.02 | 151 |
| Hauling | 0.19 | 6.83 | 3.43 | 0.02 | 0.06 | 0.82 | 0.88 | 0.06 | 0.23 | 0.28 | — | 3,496 | 3,496 | 0.25 | 0.55 | 3,674 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.07 | 0.06 | 0.68 | 0.00 | 0.00 | 0.14 | 0.14 | 0.00 | 0.03 | 0.03 | — | 146 | 146 | 0.01 | 0.01 | 148 |
| Vendor | 0.01 | 0.20 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 144 | 144 | 0.01 | 0.02 | 150 |
| Hauling | 0.17 | 7.11 | 3.51 | 0.02 | 0.06 | 0.82 | 0.88 | 0.06 | 0.23 | 0.28 | — | 3,502 | 3,502 | 0.25 | 0.55 | 3,673 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.02 | 0.02 | 0.20 | 0.00 | 0.00 | 0.04 | 0.04 | 0.00 | 0.01 | 0.01 | — | 43.2 | 43.2 | < 0.005 | < 0.005 | 43.8 |
| Vendor | < 0.005 | 0.06 | 0.03 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 42.3 | 42.3 | < 0.005 | 0.01 | 44.1 |
| Hauling | 0.05 | 2.06 | 1.02 | 0.01 | 0.02 | 0.24 | 0.26 | 0.02 | 0.07 | 0.08 | — | 1,027 | 1,027 | 0.07 | 0.16 | 1,078 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 7.15 | 7.15 | < 0.005 | < 0.005 | 7.26 |
| Vendor | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 7.00 | 7.00 | < 0.005 | < 0.005 | 7.31 |
| Hauling | 0.01 | 0.38 | 0.19 | < 0.005 | < 0.005 | 0.04 | 0.05 | < 0.005 | 0.01 | 0.02 | — | 170 | 170 | 0.01 | 0.03 | 179 |

## 3.5. Project import (2026) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.20 | 1.80 | 1.84 | < 0.005 | 0.12 | — | 0.12 | 0.11 | — | 0.11 | — | 262 | 262 | 0.01 | < 0.005 | 262 |
| Dust From Material Movement | — | — | — | — | — | 0.20 | 0.20 | — | 0.02 | 0.02 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.13 | 0.13 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 18.9 | 18.9 | < 0.005 | < 0.005 | 19.0 |
| Dust From Material Movement | — | — | — | — | — | 0.01 | 0.01 | — | < 0.005 | < 0.005 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | 0.02 | 0.02 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 3.14 | 3.14 | < 0.005 | < 0.005 | 3.15 |
| Dust From Material Movement | — | — | — | — | — | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.06 | 0.05 | 0.64 | 0.00 | 0.00 | 0.14 | 0.14 | 0.00 | 0.03 | 0.03 | — | 143 | 143 | 0.01 | 0.01 | 145 |
| Vendor | < 0.005 | 0.19 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 141 | 141 | 0.01 | 0.02 | 148 |
| Hauling | 0.17 | 6.92 | 3.49 | 0.02 | 0.06 | 0.82 | 0.88 | 0.04 | 0.23 | 0.26 | — | 3,430 | 3,430 | 0.23 | 0.55 | 3,601 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | 0.05 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 10.4 | 10.4 | < 0.005 | < 0.005 | 10.6 |
| Vendor | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 10.2 | 10.2 | < 0.005 | < 0.005 | 10.7 |
| Hauling | 0.01 | 0.49 | 0.25 | < 0.005 | < 0.005 | 0.06 | 0.06 | < 0.005 | 0.02 | 0.02 | — | 248 | 248 | 0.02 | 0.04 | 261 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.73 | 1.73 | < 0.005 | < 0.005 | 1.75 |
| Vendor | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 1.69 | 1.69 | < 0.005 | < 0.005 | 1.77 |
| Hauling | < 0.005 | 0.09 | 0.05 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 41.1 | 41.1 | < 0.005 | 0.01 | 43.2 |

## 3.6. Project import (2026) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02 | 0.13 | 1.83 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 262 | 262 | 0.01 | < 0.005 | 262 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dust From Material Movement | — | — | — | — | — | 0.20 | 0.20 | — | 0.02 | 0.02 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | 0.01 | 0.13 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 18.9 | 18.9 | < 0.005 | < 0.005 | 19.0 |
| Dust From Material Movement | — | — | — | — | — | 0.01 | 0.01 | — | < 0.005 | < 0.005 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | < 0.005 | 0.02 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 3.14 | 3.14 | < 0.005 | < 0.005 | 3.15 |
| Dust From Material Movement | — | — | — | — | — | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.06 | 0.05 | 0.64 | 0.00 | 0.00 | 0.14 | 0.14 | 0.00 | 0.03 | 0.03 | — | 143 | 143 | 0.01 | 0.01 | 145 |
| Vendor | < 0.005 | 0.19 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 141 | 141 | 0.01 | 0.02 | 148 |
| Hauling | 0.17 | 6.92 | 3.49 | 0.02 | 0.06 | 0.82 | 0.88 | 0.04 | 0.23 | 0.26 | — | 3,430 | 3,430 | 0.23 | 0.55 | 3,601 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | 0.05 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 10.4 | 10.4 | < 0.005 | < 0.005 | 10.6 |
| Vendor | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 10.2 | 10.2 | < 0.005 | < 0.005 | 10.7 |
| Hauling | 0.01 | 0.49 | 0.25 | < 0.005 | < 0.005 | 0.06 | 0.06 | < 0.005 | 0.02 | 0.02 | — | 248 | 248 | 0.02 | 0.04 | 261 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.73 | 1.73 | < 0.005 | < 0.005 | 1.75 |
| Vendor | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 1.69 | 1.69 | < 0.005 | < 0.005 | 1.77 |
| Hauling | < 0.005 | 0.09 | 0.05 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 41.1 | 41.1 | < 0.005 | 0.01 | 43.2 |

## 3.7. Hotel/Golf Course-Grading Excavation (2026) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.12 | 9.89 | 9.11 | 0.02 | 0.43 | — | 0.43 | 0.40 | — | 0.40 | — | 2,511 | 2,511 | 0.10 | 0.02 | 2,520 |
| Dust From Material Movement | — | — | — | — | — | 1.18 | 1.18 | — | 0.39 | 0.39 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.12 | 9.89 | 9.11 | 0.02 | 0.43 | — | 0.43 | 0.40 | — | 0.40 | — | 2,511 | 2,511 | 0.10 | 0.02 | 2,520 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dust From Material Movement | — | — | — | — | — | 1.18 | 1.18 | — | 0.39 | 0.39 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.33 | 2.96 | 2.73 | 0.01 | 0.13 | — | 0.13 | 0.12 | — | 0.12 | — | 752 | 752 | 0.03 | 0.01 | 755 |
| Dust From Material Movement | — | — | — | — | — | 0.35 | 0.35 | — | 0.12 | 0.12 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.06 | 0.54 | 0.50 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 124 | 124 | 0.01 | < 0.005 | 125 |
| Dust From Material Movement | — | — | — | — | — | 0.06 | 0.06 | — | 0.02 | 0.02 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.06 | 0.04 | 0.64 | 0.00 | 0.00 | 0.12 | 0.12 | 0.00 | 0.03 | 0.03 | — | 134 | 134 | 0.01 | < 0.005 | 137 |
| Vendor | < 0.005 | 0.18 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 141 | 141 | 0.01 | 0.02 | 148 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.06 | 0.05 | 0.57 | 0.00 | 0.00 | 0.12 | 0.12 | 0.00 | 0.03 | 0.03 | — | 127 | 127 | 0.01 | 0.01 | 129 |
| Vendor | < 0.005 | 0.19 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 141 | 141 | 0.01 | 0.02 | 148 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.02 | 0.01 | 0.17 | 0.00 | 0.00 | 0.04 | 0.04 | 0.00 | 0.01 | 0.01 | — | 38.4 | 38.4 | < 0.005 | < 0.005 | 38.9 |
| Vendor | < 0.005 | 0.06 | 0.03 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 42.3 | 42.3 | < 0.005 | 0.01 | 44.2 |
| 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 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 6.35 | 6.35 | < 0.005 | < 0.005 | 6.45 |
| Vendor | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 7.01 | 7.01 | < 0.005 | < 0.005 | 7.32 |
| 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 |

## 3.8. Hotel/Golf Course-Grading Excavation (2026) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.24 | 1.23 | 12.9 | 0.02 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | — | 2,511 | 2,511 | 0.10 | 0.02 | 2,520 |
| Dust From Material Movement | — | — | — | — | — | 1.18 | 1.18 | — | 0.39 | 0.39 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.24 | 1.23 | 12.9 | 0.02 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | — | 2,511 | 2,511 | 0.10 | 0.02 | 2,520 |
| Dust From Material Movement | — | — | — | — | — | 1.18 | 1.18 | — | 0.39 | 0.39 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.07 | 0.37 | 3.86 | 0.01 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 752 | 752 | 0.03 | 0.01 | 755 |
| Dust From Material Movement | — | — | — | — | — | 0.35 | 0.35 | — | 0.12 | 0.12 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.07 | 0.70 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 124 | 124 | 0.01 | < 0.005 | 125 |
| Dust From Material Movement | — | — | — | — | — | 0.06 | 0.06 | — | 0.02 | 0.02 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.06 | 0.04 | 0.64 | 0.00 | 0.00 | 0.12 | 0.12 | 0.00 | 0.03 | 0.03 | — | 134 | 134 | 0.01 | < 0.005 | 137 |
| Vendor | < 0.005 | 0.18 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 141 | 141 | 0.01 | 0.02 | 148 |
| 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 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.06 | 0.05 | 0.57 | 0.00 | 0.00 | 0.12 | 0.12 | 0.00 | 0.03 | 0.03 | — | 127 | 127 | 0.01 | 0.01 | 129 |
| Vendor | < 0.005 | 0.19 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 141 | 141 | 0.01 | 0.02 | 148 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.02 | 0.01 | 0.17 | 0.00 | 0.00 | 0.04 | 0.04 | 0.00 | 0.01 | 0.01 | — | 38.4 | 38.4 | < 0.005 | < 0.005 | 38.9 |
| Vendor | < 0.005 | 0.06 | 0.03 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 42.3 | 42.3 | < 0.005 | 0.01 | 44.2 |
| 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 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 6.35 | 6.35 | < 0.005 | < 0.005 | 6.45 |
| Vendor | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 7.01 | 7.01 | < 0.005 | < 0.005 | 7.32 |
| 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 |

## 3.9. Hotel/Golf Course-Grading Excavation (2027) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.08 | 9.19 | 8.99 | 0.02 | 0.40 | — | 0.40 | 0.37 | — | 0.37 | — | 2,511 | 2,511 | 0.10 | 0.02 | 2,520 |
| Dust From Material Movement | — | — | — | — | — | 1.18 | 1.18 | — | 0.39 | 0.39 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.08 | 9.19 | 8.99 | 0.02 | 0.40 | — | 0.40 | 0.37 | — | 0.37 | — | 2,511 | 2,511 | 0.10 | 0.02 | 2,520 |
| Dust From Material Movement | — | — | — | — | — | 1.18 | 1.18 | — | 0.39 | 0.39 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.25 | 2.12 | 2.08 | 0.01 | 0.09 | — | 0.09 | 0.09 | — | 0.09 | — | 580 | 580 | 0.02 | < 0.005 | 582 |
| Dust From Material Movement | — | — | — | — | — | 0.27 | 0.27 | — | 0.09 | 0.09 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 0.39 | 0.38 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 96.0 | 96.0 | < 0.005 | < 0.005 | 96.3 |
| Dust From Material Movement | — | — | — | — | — | 0.05 | 0.05 | — | 0.02 | 0.02 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.06 | 0.04 | 0.60 | 0.00 | 0.00 | 0.12 | 0.12 | 0.00 | 0.03 | 0.03 | — | 132 | 132 | 0.01 | < 0.005 | 134 |
| Vendor | < 0.005 | 0.18 | 0.08 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 138 | 138 | 0.01 | 0.02 | 145 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.05 | 0.05 | 0.53 | 0.00 | 0.00 | 0.12 | 0.12 | 0.00 | 0.03 | 0.03 | — | 125 | 125 | 0.01 | 0.01 | 127 |
| Vendor | < 0.005 | 0.18 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 138 | 138 | 0.01 | 0.02 | 144 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.12 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.01 | 0.01 | — | 29.1 | 29.1 | < 0.005 | < 0.005 | 29.5 |
| Vendor | < 0.005 | 0.04 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 31.9 | 31.9 | < 0.005 | < 0.005 | 33.3 |
| 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 | < 0.005 | < 0.005 | 0.02 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 4.82 | 4.82 | < 0.005 | < 0.005 | 4.88 |
| Vendor | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 5.29 | 5.29 | < 0.005 | < 0.005 | 5.52 |
| 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 |

## 3.10. Hotel/Golf Course-Grading Excavation (2027) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.24 | 1.23 | 12.9 | 0.02 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | — | 2,511 | 2,511 | 0.10 | 0.02 | 2,520 |
| Dust From Material Movement | — | — | — | — | — | 1.18 | 1.18 | — | 0.39 | 0.39 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.24 | 1.23 | 12.9 | 0.02 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | — | 2,511 | 2,511 | 0.10 | 0.02 | 2,520 |
| Dust From Material Movement | — | — | — | — | — | 1.18 | 1.18 | — | 0.39 | 0.39 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 0.28 | 2.98 | 0.01 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 580 | 580 | 0.02 | < 0.005 | 582 |
| Dust From Material Movement | — | — | — | — | — | 0.27 | 0.27 | — | 0.09 | 0.09 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.05 | 0.54 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 96.0 | 96.0 | < 0.005 | < 0.005 | 96.3 |
| Dust From Material Movement | — | — | — | — | — | 0.05 | 0.05 | — | 0.02 | 0.02 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.06 | 0.04 | 0.60 | 0.00 | 0.00 | 0.12 | 0.12 | 0.00 | 0.03 | 0.03 | — | 132 | 132 | 0.01 | < 0.005 | 134 |
| Vendor | < 0.005 | 0.18 | 0.08 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 138 | 138 | 0.01 | 0.02 | 145 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.05 | 0.05 | 0.53 | 0.00 | 0.00 | 0.12 | 0.12 | 0.00 | 0.03 | 0.03 | — | 125 | 125 | 0.01 | 0.01 | 127 |
| Vendor | < 0.005 | 0.18 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 138 | 138 | 0.01 | 0.02 | 144 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.12 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.01 | 0.01 | — | 29.1 | 29.1 | < 0.005 | < 0.005 | 29.5 |
| Vendor | < 0.005 | 0.04 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 31.9 | 31.9 | < 0.005 | < 0.005 | 33.3 |
| 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 | < 0.005 | < 0.005 | 0.02 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 4.82 | 4.82 | < 0.005 | < 0.005 | 4.88 |
| Vendor | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 5.29 | 5.29 | < 0.005 | < 0.005 | 5.52 |
| 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 |

## 3.11. NAR-Grading (2026) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.60 | 14.2 | 13.3 | 0.03 | 0.67 | — | 0.67 | 0.61 | — | 0.61 | — | 3,216 | 3,216 | 0.13 | 0.03 | 3,227 |
| Dust From Material Movement | — | — | — | — | — | 2.00 | 2.00 | — | 0.73 | 0.73 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.60 | 14.2 | 13.3 | 0.03 | 0.67 | — | 0.67 | 0.61 | — | 0.61 | — | 3,216 | 3,216 | 0.13 | 0.03 | 3,227 |
| Dust From Material Movement | — | — | — | — | — | 2.00 | 2.00 | — | 0.73 | 0.73 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.31 | 2.71 | 2.55 | 0.01 | 0.13 | — | 0.13 | 0.12 | — | 0.12 | — | 617 | 617 | 0.03 | 0.01 | 619 |
| Dust From Material Movement | — | — | — | — | — | 0.38 | 0.38 | — | 0.14 | 0.14 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.06 | 0.50 | 0.47 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 102 | 102 | < 0.005 | < 0.005 | 102 |
| Dust From Material Movement | — | — | — | — | — | 0.07 | 0.07 | — | 0.03 | 0.03 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.08 | 0.06 | 0.87 | 0.00 | 0.00 | 0.17 | 0.17 | 0.00 | 0.04 | 0.04 | — | 185 | 185 | 0.01 | 0.01 | 188 |
| Vendor | < 0.005 | 0.18 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 141 | 141 | 0.01 | 0.02 | 148 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.08 | 0.06 | 0.78 | 0.00 | 0.00 | 0.17 | 0.17 | 0.00 | 0.04 | 0.04 | — | 175 | 175 | 0.01 | 0.01 | 177 |
| Vendor | < 0.005 | 0.19 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 141 | 141 | 0.01 | 0.02 | 148 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.15 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.01 | 0.01 | — | 33.8 | 33.8 | < 0.005 | < 0.005 | 34.3 |
| Vendor | < 0.005 | 0.04 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 27.1 | 27.1 | < 0.005 | < 0.005 | 28.3 |
| 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 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 5.59 | 5.59 | < 0.005 | < 0.005 | 5.68 |
| Vendor | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 4.49 | 4.49 | < 0.005 | < 0.005 | 4.69 |
| 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 |

## 3.12. NAR-Grading (2026) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.30 | 1.58 | 17.1 | 0.03 | 0.06 | — | 0.06 | 0.06 | — | 0.06 | — | 3,216 | 3,216 | 0.13 | 0.03 | 3,227 |
| Dust From Material Movement | — | — | — | — | — | 2.00 | 2.00 | — | 0.73 | 0.73 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.30 | 1.58 | 17.1 | 0.03 | 0.06 | — | 0.06 | 0.06 | — | 0.06 | — | 3,216 | 3,216 | 0.13 | 0.03 | 3,227 |
| Dust From Material Movement | — | — | — | — | — | 2.00 | 2.00 | — | 0.73 | 0.73 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.06 | 0.30 | 3.28 | 0.01 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 617 | 617 | 0.03 | 0.01 | 619 |
| Dust From Material Movement | — | — | — | — | — | 0.38 | 0.38 | — | 0.14 | 0.14 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.06 | 0.60 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 102 | 102 | < 0.005 | < 0.005 | 102 |
| Dust From Material Movement | — | — | — | — | — | 0.07 | 0.07 | — | 0.03 | 0.03 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.08 | 0.06 | 0.87 | 0.00 | 0.00 | 0.17 | 0.17 | 0.00 | 0.04 | 0.04 | — | 185 | 185 | 0.01 | 0.01 | 188 |
| Vendor | < 0.005 | 0.18 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 141 | 141 | 0.01 | 0.02 | 148 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.08 | 0.06 | 0.78 | 0.00 | 0.00 | 0.17 | 0.17 | 0.00 | 0.04 | 0.04 | — | 175 | 175 | 0.01 | 0.01 | 177 |
| Vendor | < 0.005 | 0.19 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 141 | 141 | 0.01 | 0.02 | 148 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.15 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.01 | 0.01 | — | 33.8 | 33.8 | < 0.005 | < 0.005 | 34.3 |
| Vendor | < 0.005 | 0.04 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 27.1 | 27.1 | < 0.005 | < 0.005 | 28.3 |
| 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 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 5.59 | 5.59 | < 0.005 | < 0.005 | 5.68 |
| Vendor | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 4.49 | 4.49 | < 0.005 | < 0.005 | 4.69 |
| 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. WAR-Grading (2026) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.60 | 14.2 | 13.3 | 0.03 | 0.67 | — | 0.67 | 0.61 | — | 0.61 | — | 3,216 | 3,216 | 0.13 | 0.03 | 3,227 |
| Dust From Material Movement | — | — | — | — | — | 2.00 | 2.00 | — | 0.73 | 0.73 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.60 | 14.2 | 13.3 | 0.03 | 0.67 | — | 0.67 | 0.61 | — | 0.61 | — | 3,216 | 3,216 | 0.13 | 0.03 | 3,227 |
| Dust From Material Movement | — | — | — | — | — | 2.00 | 2.00 | — | 0.73 | 0.73 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.26 | 2.33 | 2.19 | < 0.005 | 0.11 | — | 0.11 | 0.10 | — | 0.10 | — | 529 | 529 | 0.02 | < 0.005 | 530 |
| Dust From Material Movement | — | — | — | — | — | 0.33 | 0.33 | — | 0.12 | 0.12 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 0.42 | 0.40 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 87.5 | 87.5 | < 0.005 | < 0.005 | 87.8 |
| Dust From Material Movement | — | — | — | — | — | 0.06 | 0.06 | — | 0.02 | 0.02 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.08 | 0.06 | 0.87 | 0.00 | 0.00 | 0.17 | 0.17 | 0.00 | 0.04 | 0.04 | — | 185 | 185 | 0.01 | 0.01 | 188 |
| Vendor | < 0.005 | 0.18 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 141 | 141 | 0.01 | 0.02 | 148 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.08 | 0.06 | 0.78 | 0.00 | 0.00 | 0.17 | 0.17 | 0.00 | 0.04 | 0.04 | — | 175 | 175 | 0.01 | 0.01 | 177 |
| Vendor | < 0.005 | 0.19 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 141 | 141 | 0.01 | 0.02 | 148 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.13 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.01 | 0.01 | — | 29.0 | 29.0 | < 0.005 | < 0.005 | 29.4 |
| Vendor | < 0.005 | 0.03 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 23.2 | 23.2 | < 0.005 | < 0.005 | 24.3 |
| 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 | < 0.005 | < 0.005 | 0.02 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 4.79 | 4.79 | < 0.005 | < 0.005 | 4.87 |
| Vendor | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 3.85 | 3.85 | < 0.005 | < 0.005 | 4.02 |
| 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 |

## 3.14. WAR-Grading (2026) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.30 | 1.58 | 17.1 | 0.03 | 0.06 | — | 0.06 | 0.06 | — | 0.06 | — | 3,216 | 3,216 | 0.13 | 0.03 | 3,227 |
| Dust From Material Movement | — | — | — | — | — | 2.00 | 2.00 | — | 0.73 | 0.73 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.30 | 1.58 | 17.1 | 0.03 | 0.06 | — | 0.06 | 0.06 | — | 0.06 | — | 3,216 | 3,216 | 0.13 | 0.03 | 3,227 |
| Dust From Material Movement | — | — | — | — | — | 2.00 | 2.00 | — | 0.73 | 0.73 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 0.26 | 2.81 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 529 | 529 | 0.02 | < 0.005 | 530 |
| Dust From Material Movement | — | — | — | — | — | 0.33 | 0.33 | — | 0.12 | 0.12 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.05 | 0.51 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 87.5 | 87.5 | < 0.005 | < 0.005 | 87.8 |
| Dust From Material Movement | — | — | — | — | — | 0.06 | 0.06 | — | 0.02 | 0.02 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.08 | 0.06 | 0.87 | 0.00 | 0.00 | 0.17 | 0.17 | 0.00 | 0.04 | 0.04 | — | 185 | 185 | 0.01 | 0.01 | 188 |
| Vendor | < 0.005 | 0.18 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 141 | 141 | 0.01 | 0.02 | 148 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.08 | 0.06 | 0.78 | 0.00 | 0.00 | 0.17 | 0.17 | 0.00 | 0.04 | 0.04 | — | 175 | 175 | 0.01 | 0.01 | 177 |
| Vendor | < 0.005 | 0.19 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 141 | 141 | 0.01 | 0.02 | 148 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.13 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.01 | 0.01 | — | 29.0 | 29.0 | < 0.005 | < 0.005 | 29.4 |
| Vendor | < 0.005 | 0.03 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 23.2 | 23.2 | < 0.005 | < 0.005 | 24.3 |
| 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 | < 0.005 | < 0.005 | 0.02 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 4.79 | 4.79 | < 0.005 | < 0.005 | 4.87 |
| Vendor | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 3.85 | 3.85 | < 0.005 | < 0.005 | 4.02 |
| 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 |

## 3.15. Hotel/Golf Course-Grading (2027) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.53 | 13.2 | 13.1 | 0.03 | 0.61 | — | 0.61 | 0.56 | — | 0.56 | — | 3,216 | 3,216 | 0.13 | 0.03 | 3,227 |
| Dust From Material Movement | — | — | — | — | — | 2.00 | 2.00 | — | 0.73 | 0.73 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.53 | 13.2 | 13.1 | 0.03 | 0.61 | — | 0.61 | 0.56 | — | 0.56 | — | 3,216 | 3,216 | 0.13 | 0.03 | 3,227 |
| Dust From Material Movement | — | — | — | — | — | 2.00 | 2.00 | — | 0.73 | 0.73 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.75 | 6.50 | 6.48 | 0.01 | 0.30 | — | 0.30 | 0.28 | — | 0.28 | — | 1,586 | 1,586 | 0.06 | 0.01 | 1,591 |
| Dust From Material Movement | — | — | — | — | — | 0.99 | 0.99 | — | 0.36 | 0.36 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.14 | 1.19 | 1.18 | < 0.005 | 0.06 | — | 0.06 | 0.05 | — | 0.05 | — | 263 | 263 | 0.01 | < 0.005 | 263 |
| Dust From Material Movement | — | — | — | — | — | 0.18 | 0.18 | — | 0.07 | 0.07 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.08 | 0.05 | 0.83 | 0.00 | 0.00 | 0.17 | 0.17 | 0.00 | 0.04 | 0.04 | — | 182 | 182 | 0.01 | 0.01 | 185 |
| Vendor | < 0.005 | 0.18 | 0.08 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 138 | 138 | 0.01 | 0.02 | 145 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.07 | 0.06 | 0.73 | 0.00 | 0.00 | 0.17 | 0.17 | 0.00 | 0.04 | 0.04 | — | 172 | 172 | 0.01 | 0.01 | 174 |
| Vendor | < 0.005 | 0.18 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 138 | 138 | 0.01 | 0.02 | 144 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.04 | 0.03 | 0.37 | 0.00 | 0.00 | 0.08 | 0.08 | 0.00 | 0.02 | 0.02 | — | 85.4 | 85.4 | < 0.005 | < 0.005 | 86.6 |
| Vendor | < 0.005 | 0.09 | 0.04 | < 0.005 | < 0.005 | 0.02 | 0.02 | < 0.005 | < 0.005 | 0.01 | — | 68.2 | 68.2 | < 0.005 | 0.01 | 71.2 |
| 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 | 0.01 | 0.01 | 0.07 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | < 0.005 | < 0.005 | — | 14.1 | 14.1 | < 0.005 | < 0.005 | 14.3 |
| Vendor | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 11.3 | 11.3 | < 0.005 | < 0.005 | 11.8 |
| 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 |

## 3.16. Hotel/Golf Course-Grading (2027) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.30 | 1.58 | 17.1 | 0.03 | 0.06 | — | 0.06 | 0.06 | — | 0.06 | — | 3,216 | 3,216 | 0.13 | 0.03 | 3,227 |
| Dust From Material Movement | — | — | — | — | — | 2.00 | 2.00 | — | 0.73 | 0.73 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.30 | 1.58 | 17.1 | 0.03 | 0.06 | — | 0.06 | 0.06 | — | 0.06 | — | 3,216 | 3,216 | 0.13 | 0.03 | 3,227 |
| Dust From Material Movement | — | — | — | — | — | 2.00 | 2.00 | — | 0.73 | 0.73 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.15 | 0.78 | 8.43 | 0.01 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 1,586 | 1,586 | 0.06 | 0.01 | 1,591 |
| Dust From Material Movement | — | — | — | — | — | 0.99 | 0.99 | — | 0.36 | 0.36 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.03 | 0.14 | 1.54 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 263 | 263 | 0.01 | < 0.005 | 263 |
| Dust From Material Movement | — | — | — | — | — | 0.18 | 0.18 | — | 0.07 | 0.07 | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.08 | 0.05 | 0.83 | 0.00 | 0.00 | 0.17 | 0.17 | 0.00 | 0.04 | 0.04 | — | 182 | 182 | 0.01 | 0.01 | 185 |
| Vendor | < 0.005 | 0.18 | 0.08 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 138 | 138 | 0.01 | 0.02 | 145 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.07 | 0.06 | 0.73 | 0.00 | 0.00 | 0.17 | 0.17 | 0.00 | 0.04 | 0.04 | — | 172 | 172 | 0.01 | 0.01 | 174 |
| Vendor | < 0.005 | 0.18 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 138 | 138 | 0.01 | 0.02 | 144 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.04 | 0.03 | 0.37 | 0.00 | 0.00 | 0.08 | 0.08 | 0.00 | 0.02 | 0.02 | — | 85.4 | 85.4 | < 0.005 | < 0.005 | 86.6 |
| Vendor | < 0.005 | 0.09 | 0.04 | < 0.005 | < 0.005 | 0.02 | 0.02 | < 0.005 | < 0.005 | 0.01 | — | 68.2 | 68.2 | < 0.005 | 0.01 | 71.2 |
| 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 | 0.01 | 0.01 | 0.07 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | < 0.005 | < 0.005 | — | 14.1 | 14.1 | < 0.005 | < 0.005 | 14.3 |
| Vendor | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 11.3 | 11.3 | < 0.005 | < 0.005 | 11.8 |
| 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 |

## 3.17. NAR-Building Construction (2027) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.43 | 4.17 | 7.09 | 0.01 | 0.12 | — | 0.12 | 0.11 | — | 0.11 | — | 1,047 | 1,047 | 0.04 | 0.01 | 1,051 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.43 | 4.17 | 7.09 | 0.01 | 0.12 | — | 0.12 | 0.11 | — | 0.11 | — | 1,047 | 1,047 | 0.04 | 0.01 | 1,051 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.21 | 2.00 | 3.40 | 0.01 | 0.06 | — | 0.06 | 0.05 | — | 0.05 | — | 502 | 502 | 0.02 | < 0.005 | 504 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.04 | 0.36 | 0.62 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 83.1 | 83.1 | < 0.005 | < 0.005 | 83.4 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.28 | 0.19 | 3.09 | 0.00 | 0.00 | 0.63 | 0.63 | 0.00 | 0.15 | 0.15 | — | 677 | 677 | 0.03 | 0.02 | 688 |
| Vendor | 0.02 | 0.71 | 0.34 | < 0.005 | 0.01 | 0.15 | 0.15 | 0.01 | 0.04 | 0.05 | — | 553 | 553 | 0.02 | 0.08 | 578 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.28 | 0.23 | 2.74 | 0.00 | 0.00 | 0.63 | 0.63 | 0.00 | 0.15 | 0.15 | — | 640 | 640 | 0.04 | 0.03 | 649 |
| Vendor | 0.02 | 0.73 | 0.34 | < 0.005 | 0.01 | 0.15 | 0.15 | 0.01 | 0.04 | 0.05 | — | 554 | 554 | 0.02 | 0.08 | 577 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.13 | 0.11 | 1.33 | 0.00 | 0.00 | 0.30 | 0.30 | 0.00 | 0.07 | 0.07 | — | 310 | 310 | 0.02 | 0.01 | 314 |
| Vendor | 0.01 | 0.35 | 0.16 | < 0.005 | < 0.005 | 0.07 | 0.07 | < 0.005 | 0.02 | 0.02 | — | 265 | 265 | 0.01 | 0.04 | 277 |
| 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 | 0.02 | 0.02 | 0.24 | 0.00 | 0.00 | 0.05 | 0.05 | 0.00 | 0.01 | 0.01 | — | 51.2 | 51.2 | < 0.005 | < 0.005 | 52.0 |
| Vendor | < 0.005 | 0.06 | 0.03 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 43.9 | 43.9 | < 0.005 | 0.01 | 45.8 |
| 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 |

## 3.18. NAR-Building Construction (2027) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.11 | 1.42 | 7.37 | 0.01 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 1,047 | 1,047 | 0.04 | 0.01 | 1,051 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.11 | 1.42 | 7.37 | 0.01 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 1,047 | 1,047 | 0.04 | 0.01 | 1,051 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 0.68 | 3.53 | 0.01 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 502 | 502 | 0.02 | < 0.005 | 504 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.12 | 0.64 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 83.1 | 83.1 | < 0.005 | < 0.005 | 83.4 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.28 | 0.19 | 3.09 | 0.00 | 0.00 | 0.63 | 0.63 | 0.00 | 0.15 | 0.15 | — | 677 | 677 | 0.03 | 0.02 | 688 |
| Vendor | 0.02 | 0.71 | 0.34 | < 0.005 | 0.01 | 0.15 | 0.15 | 0.01 | 0.04 | 0.05 | — | 553 | 553 | 0.02 | 0.08 | 578 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.28 | 0.23 | 2.74 | 0.00 | 0.00 | 0.63 | 0.63 | 0.00 | 0.15 | 0.15 | — | 640 | 640 | 0.04 | 0.03 | 649 |
| Vendor | 0.02 | 0.73 | 0.34 | < 0.005 | 0.01 | 0.15 | 0.15 | 0.01 | 0.04 | 0.05 | — | 554 | 554 | 0.02 | 0.08 | 577 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.13 | 0.11 | 1.33 | 0.00 | 0.00 | 0.30 | 0.30 | 0.00 | 0.07 | 0.07 | — | 310 | 310 | 0.02 | 0.01 | 314 |
| Vendor | 0.01 | 0.35 | 0.16 | < 0.005 | < 0.005 | 0.07 | 0.07 | < 0.005 | 0.02 | 0.02 | — | 265 | 265 | 0.01 | 0.04 | 277 |
| 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 | 0.02 | 0.02 | 0.24 | 0.00 | 0.00 | 0.05 | 0.05 | 0.00 | 0.01 | 0.01 | — | 51.2 | 51.2 | < 0.005 | < 0.005 | 52.0 |
| Vendor | < 0.005 | 0.06 | 0.03 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 43.9 | 43.9 | < 0.005 | 0.01 | 45.8 |
| 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 |

## 3.19. NAR-Building Construction (2028) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.41 | 4.03 | 7.09 | 0.01 | 0.10 | — | 0.10 | 0.09 | — | 0.09 | — | 1,047 | 1,047 | 0.04 | 0.01 | 1,051 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.41 | 4.03 | 7.09 | 0.01 | 0.10 | — | 0.10 | 0.09 | — | 0.09 | — | 1,047 | 1,047 | 0.04 | 0.01 | 1,051 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.30 | 2.89 | 5.08 | 0.01 | 0.07 | — | 0.07 | 0.07 | — | 0.07 | — | 750 | 750 | 0.03 | 0.01 | 752 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 0.53 | 0.93 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 124 | 124 | 0.01 | < 0.005 | 125 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.28 | 0.19 | 2.92 | 0.00 | 0.00 | 0.63 | 0.63 | 0.00 | 0.15 | 0.15 | — | 665 | 665 | 0.01 | 0.02 | 675 |
| Vendor | 0.02 | 0.67 | 0.32 | < 0.005 | 0.01 | 0.15 | 0.15 | 0.01 | 0.04 | 0.05 | — | 539 | 539 | 0.02 | 0.08 | 564 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.27 | 0.21 | 2.58 | 0.00 | 0.00 | 0.63 | 0.63 | 0.00 | 0.15 | 0.15 | — | 629 | 629 | 0.01 | 0.02 | 636 |
| Vendor | 0.02 | 0.70 | 0.33 | < 0.005 | 0.01 | 0.15 | 0.15 | 0.01 | 0.04 | 0.05 | — | 540 | 540 | 0.02 | 0.08 | 563 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.19 | 0.15 | 1.87 | 0.00 | 0.00 | 0.45 | 0.45 | 0.00 | 0.10 | 0.10 | — | 454 | 454 | 0.01 | 0.02 | 460 |
| Vendor | 0.01 | 0.50 | 0.23 | < 0.005 | 0.01 | 0.10 | 0.11 | 0.01 | 0.03 | 0.03 | — | 386 | 386 | 0.01 | 0.06 | 404 |
| 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 | 0.04 | 0.03 | 0.34 | 0.00 | 0.00 | 0.08 | 0.08 | 0.00 | 0.02 | 0.02 | — | 75.2 | 75.2 | < 0.005 | < 0.005 | 76.2 |
| Vendor | < 0.005 | 0.09 | 0.04 | < 0.005 | < 0.005 | 0.02 | 0.02 | < 0.005 | 0.01 | 0.01 | — | 64.0 | 64.0 | < 0.005 | 0.01 | 66.8 |
| 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 |

## 3.20. NAR-Building Construction (2028) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.11 | 1.42 | 7.37 | 0.01 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 1,047 | 1,047 | 0.04 | 0.01 | 1,051 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.11 | 1.42 | 7.37 | 0.01 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 1,047 | 1,047 | 0.04 | 0.01 | 1,051 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.08 | 1.01 | 5.28 | 0.01 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 750 | 750 | 0.03 | 0.01 | 752 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.19 | 0.96 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 124 | 124 | 0.01 | < 0.005 | 125 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.28 | 0.19 | 2.92 | 0.00 | 0.00 | 0.63 | 0.63 | 0.00 | 0.15 | 0.15 | — | 665 | 665 | 0.01 | 0.02 | 675 |
| Vendor | 0.02 | 0.67 | 0.32 | < 0.005 | 0.01 | 0.15 | 0.15 | 0.01 | 0.04 | 0.05 | — | 539 | 539 | 0.02 | 0.08 | 564 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.27 | 0.21 | 2.58 | 0.00 | 0.00 | 0.63 | 0.63 | 0.00 | 0.15 | 0.15 | — | 629 | 629 | 0.01 | 0.02 | 636 |
| Vendor | 0.02 | 0.70 | 0.33 | < 0.005 | 0.01 | 0.15 | 0.15 | 0.01 | 0.04 | 0.05 | — | 540 | 540 | 0.02 | 0.08 | 563 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.19 | 0.15 | 1.87 | 0.00 | 0.00 | 0.45 | 0.45 | 0.00 | 0.10 | 0.10 | — | 454 | 454 | 0.01 | 0.02 | 460 |
| Vendor | 0.01 | 0.50 | 0.23 | < 0.005 | 0.01 | 0.10 | 0.11 | 0.01 | 0.03 | 0.03 | — | 386 | 386 | 0.01 | 0.06 | 404 |
| 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 | 0.04 | 0.03 | 0.34 | 0.00 | 0.00 | 0.08 | 0.08 | 0.00 | 0.02 | 0.02 | — | 75.2 | 75.2 | < 0.005 | < 0.005 | 76.2 |
| Vendor | < 0.005 | 0.09 | 0.04 | < 0.005 | < 0.005 | 0.02 | 0.02 | < 0.005 | 0.01 | 0.01 | — | 64.0 | 64.0 | < 0.005 | 0.01 | 66.8 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |

## 3.21. NAR-Building Construction (2029) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.40 | 3.94 | 7.08 | 0.01 | 0.09 | — | 0.09 | 0.08 | — | 0.08 | — | 1,047 | 1,047 | 0.04 | 0.01 | 1,050 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.09 | 0.17 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 24.6 | 24.6 | < 0.005 | < 0.005 | 24.7 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | 0.02 | 0.03 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 4.07 | 4.07 | < 0.005 | < 0.005 | 4.08 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.26 | 0.19 | 2.42 | 0.00 | 0.00 | 0.63 | 0.63 | 0.00 | 0.15 | 0.15 | — | 618 | 618 | 0.01 | 0.02 | 626 |
| Vendor | 0.02 | 0.67 | 0.32 | < 0.005 | 0.01 | 0.15 | 0.15 | < 0.005 | 0.04 | 0.04 | — | 524 | 524 | 0.02 | 0.07 | 547 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | < 0.005 | 0.06 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 14.6 | 14.6 | < 0.005 | < 0.005 | 14.8 |
| Vendor | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 12.3 | 12.3 | < 0.005 | < 0.005 | 12.8 |
| 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 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 2.42 | 2.42 | < 0.005 | < 0.005 | 2.46 |
| Vendor | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 2.04 | 2.04 | < 0.005 | < 0.005 | 2.13 |
| 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 |

## 3.22. NAR-Building Construction (2029) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.11 | 1.42 | 7.37 | 0.01 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 1,047 | 1,047 | 0.04 | 0.01 | 1,050 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | 0.03 | 0.17 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 24.6 | 24.6 | < 0.005 | < 0.005 | 24.7 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | 0.01 | 0.03 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 4.07 | 4.07 | < 0.005 | < 0.005 | 4.08 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.26 | 0.19 | 2.42 | 0.00 | 0.00 | 0.63 | 0.63 | 0.00 | 0.15 | 0.15 | — | 618 | 618 | 0.01 | 0.02 | 626 |
| Vendor | 0.02 | 0.67 | 0.32 | < 0.005 | 0.01 | 0.15 | 0.15 | < 0.005 | 0.04 | 0.04 | — | 524 | 524 | 0.02 | 0.07 | 547 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | < 0.005 | 0.06 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 14.6 | 14.6 | < 0.005 | < 0.005 | 14.8 |
| Vendor | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 12.3 | 12.3 | < 0.005 | < 0.005 | 12.8 |
| 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 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 2.42 | 2.42 | < 0.005 | < 0.005 | 2.46 |
| Vendor | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 2.04 | 2.04 | < 0.005 | < 0.005 | 2.13 |
| 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 |

## 3.23. WAR-Building Construction (2027) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.43 | 4.17 | 7.09 | 0.01 | 0.12 | — | 0.12 | 0.11 | — | 0.11 | — | 1,047 | 1,047 | 0.04 | 0.01 | 1,051 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.43 | 4.17 | 7.09 | 0.01 | 0.12 | — | 0.12 | 0.11 | — | 0.11 | — | 1,047 | 1,047 | 0.04 | 0.01 | 1,051 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.21 | 2.00 | 3.40 | 0.01 | 0.06 | — | 0.06 | 0.05 | — | 0.05 | — | 502 | 502 | 0.02 | < 0.005 | 504 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.04 | 0.36 | 0.62 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 83.1 | 83.1 | < 0.005 | < 0.005 | 83.4 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.13 | 0.09 | 1.43 | 0.00 | 0.00 | 0.29 | 0.29 | 0.00 | 0.07 | 0.07 | — | 314 | 314 | 0.01 | 0.01 | 319 |
| Vendor | 0.01 | 0.34 | 0.16 | < 0.005 | < 0.005 | 0.07 | 0.08 | < 0.005 | 0.02 | 0.02 | — | 269 | 269 | 0.01 | 0.04 | 281 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.13 | 0.11 | 1.27 | 0.00 | 0.00 | 0.29 | 0.29 | 0.00 | 0.07 | 0.07 | — | 297 | 297 | 0.02 | 0.01 | 301 |
| Vendor | 0.01 | 0.36 | 0.17 | < 0.005 | < 0.005 | 0.07 | 0.08 | < 0.005 | 0.02 | 0.02 | — | 269 | 269 | 0.01 | 0.04 | 281 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.06 | 0.05 | 0.61 | 0.00 | 0.00 | 0.14 | 0.14 | 0.00 | 0.03 | 0.03 | — | 143 | 143 | 0.01 | 0.01 | 145 |
| Vendor | < 0.005 | 0.17 | 0.08 | < 0.005 | < 0.005 | 0.03 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 129 | 129 | 0.01 | 0.02 | 135 |
| 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 | 0.01 | 0.01 | 0.11 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.01 | 0.01 | — | 23.7 | 23.7 | < 0.005 | < 0.005 | 24.1 |
| Vendor | < 0.005 | 0.03 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 21.4 | 21.4 | < 0.005 | < 0.005 | 22.3 |
| 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 |

## 3.24. WAR-Building Construction (2027) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.11 | 1.42 | 7.37 | 0.01 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 1,047 | 1,047 | 0.04 | 0.01 | 1,051 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.11 | 1.42 | 7.37 | 0.01 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 1,047 | 1,047 | 0.04 | 0.01 | 1,051 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 0.68 | 3.53 | 0.01 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 502 | 502 | 0.02 | < 0.005 | 504 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.12 | 0.64 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 83.1 | 83.1 | < 0.005 | < 0.005 | 83.4 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.13 | 0.09 | 1.43 | 0.00 | 0.00 | 0.29 | 0.29 | 0.00 | 0.07 | 0.07 | — | 314 | 314 | 0.01 | 0.01 | 319 |
| Vendor | 0.01 | 0.34 | 0.16 | < 0.005 | < 0.005 | 0.07 | 0.08 | < 0.005 | 0.02 | 0.02 | — | 269 | 269 | 0.01 | 0.04 | 281 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.13 | 0.11 | 1.27 | 0.00 | 0.00 | 0.29 | 0.29 | 0.00 | 0.07 | 0.07 | — | 297 | 297 | 0.02 | 0.01 | 301 |
| Vendor | 0.01 | 0.36 | 0.17 | < 0.005 | < 0.005 | 0.07 | 0.08 | < 0.005 | 0.02 | 0.02 | — | 269 | 269 | 0.01 | 0.04 | 281 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.06 | 0.05 | 0.61 | 0.00 | 0.00 | 0.14 | 0.14 | 0.00 | 0.03 | 0.03 | — | 143 | 143 | 0.01 | 0.01 | 145 |
| Vendor | < 0.005 | 0.17 | 0.08 | < 0.005 | < 0.005 | 0.03 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 129 | 129 | 0.01 | 0.02 | 135 |
| 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 | 0.01 | 0.01 | 0.11 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.01 | 0.01 | — | 23.7 | 23.7 | < 0.005 | < 0.005 | 24.1 |
| Vendor | < 0.005 | 0.03 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 21.4 | 21.4 | < 0.005 | < 0.005 | 22.3 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |

## 3.25. WAR-Building Construction (2028) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.41 | 4.03 | 7.09 | 0.01 | 0.10 | — | 0.10 | 0.09 | — | 0.09 | — | 1,047 | 1,047 | 0.04 | 0.01 | 1,051 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.41 | 4.03 | 7.09 | 0.01 | 0.10 | — | 0.10 | 0.09 | — | 0.09 | — | 1,047 | 1,047 | 0.04 | 0.01 | 1,051 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.27 | 2.67 | 4.69 | 0.01 | 0.07 | — | 0.07 | 0.06 | — | 0.06 | — | 692 | 692 | 0.03 | 0.01 | 695 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 0.49 | 0.86 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 115 | 115 | < 0.005 | < 0.005 | 115 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.13 | 0.09 | 1.35 | 0.00 | 0.00 | 0.29 | 0.29 | 0.00 | 0.07 | 0.07 | — | 308 | 308 | 0.01 | 0.01 | 313 |
| Vendor | 0.01 | 0.33 | 0.16 | < 0.005 | < 0.005 | 0.07 | 0.08 | < 0.005 | 0.02 | 0.02 | — | 262 | 262 | 0.01 | 0.04 | 274 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.13 | 0.10 | 1.20 | 0.00 | 0.00 | 0.29 | 0.29 | 0.00 | 0.07 | 0.07 | — | 291 | 291 | 0.01 | 0.01 | 295 |
| Vendor | 0.01 | 0.34 | 0.16 | < 0.005 | < 0.005 | 0.07 | 0.08 | < 0.005 | 0.02 | 0.02 | — | 262 | 262 | 0.01 | 0.04 | 274 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.08 | 0.06 | 0.80 | 0.00 | 0.00 | 0.19 | 0.19 | 0.00 | 0.04 | 0.04 | — | 194 | 194 | < 0.005 | 0.01 | 197 |
| Vendor | 0.01 | 0.22 | 0.11 | < 0.005 | < 0.005 | 0.05 | 0.05 | < 0.005 | 0.01 | 0.02 | — | 174 | 174 | 0.01 | 0.02 | 181 |
| 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 | 0.02 | 0.01 | 0.15 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.01 | 0.01 | — | 32.2 | 32.2 | < 0.005 | < 0.005 | 32.6 |
| Vendor | < 0.005 | 0.04 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 28.7 | 28.7 | < 0.005 | < 0.005 | 30.0 |
| 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 |

## 3.26. WAR-Building Construction (2028) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.11 | 1.42 | 7.37 | 0.01 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 1,047 | 1,047 | 0.04 | 0.01 | 1,051 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.11 | 1.42 | 7.37 | 0.01 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 1,047 | 1,047 | 0.04 | 0.01 | 1,051 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.07 | 0.94 | 4.87 | 0.01 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 692 | 692 | 0.03 | 0.01 | 695 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.17 | 0.89 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 115 | 115 | < 0.005 | < 0.005 | 115 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.13 | 0.09 | 1.35 | 0.00 | 0.00 | 0.29 | 0.29 | 0.00 | 0.07 | 0.07 | — | 308 | 308 | 0.01 | 0.01 | 313 |
| Vendor | 0.01 | 0.33 | 0.16 | < 0.005 | < 0.005 | 0.07 | 0.08 | < 0.005 | 0.02 | 0.02 | — | 262 | 262 | 0.01 | 0.04 | 274 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.13 | 0.10 | 1.20 | 0.00 | 0.00 | 0.29 | 0.29 | 0.00 | 0.07 | 0.07 | — | 291 | 291 | 0.01 | 0.01 | 295 |
| Vendor | 0.01 | 0.34 | 0.16 | < 0.005 | < 0.005 | 0.07 | 0.08 | < 0.005 | 0.02 | 0.02 | — | 262 | 262 | 0.01 | 0.04 | 274 |
| 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 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.08 | 0.06 | 0.80 | 0.00 | 0.00 | 0.19 | 0.19 | 0.00 | 0.04 | 0.04 | — | 194 | 194 | < 0.005 | 0.01 | 197 |
| Vendor | 0.01 | 0.22 | 0.11 | < 0.005 | < 0.005 | 0.05 | 0.05 | < 0.005 | 0.01 | 0.02 | — | 174 | 174 | 0.01 | 0.02 | 181 |
| 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 | 0.02 | 0.01 | 0.15 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.01 | 0.01 | — | 32.2 | 32.2 | < 0.005 | < 0.005 | 32.6 |
| Vendor | < 0.005 | 0.04 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 28.7 | 28.7 | < 0.005 | < 0.005 | 30.0 |
| 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 |

## 3.27. Hotel/Golf Course-Clubhouse Construction (2027) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.72 | 6.73 | 9.25 | 0.02 | 0.22 | — | 0.22 | 0.21 | — | 0.21 | — | 1,837 | 1,837 | 0.07 | 0.01 | 1,843 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.04 | 0.41 | 0.56 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 111 | 111 | < 0.005 | < 0.005 | 112 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.01 | 0.07 | 0.10 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 18.5 | 18.5 | < 0.005 | < 0.005 | 18.5 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.03 | 0.03 | 0.30 | 0.00 | 0.00 | 0.07 | 0.07 | 0.00 | 0.02 | 0.02 | — | 70.2 | 70.2 | < 0.005 | < 0.005 | 71.2 |
| Vendor | < 0.005 | 0.12 | 0.06 | < 0.005 | < 0.005 | 0.02 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 92.3 | 92.3 | < 0.005 | 0.01 | 96.2 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | 0.02 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 4.30 | 4.30 | < 0.005 | < 0.005 | 4.36 |
| Vendor | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 5.59 | 5.59 | < 0.005 | < 0.005 | 5.84 |
| 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 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.71 | 0.71 | < 0.005 | < 0.005 | 0.72 |
| Vendor | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 0.93 | 0.93 | < 0.005 | < 0.005 | 0.97 |
| 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 |

## 3.28. Hotel/Golf Course-Clubhouse Construction (2027) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.19 | 1.81 | 11.1 | 0.02 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 1,837 | 1,837 | 0.07 | 0.01 | 1,843 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.11 | 0.67 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 111 | 111 | < 0.005 | < 0.005 | 112 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | 0.02 | 0.12 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 18.5 | 18.5 | < 0.005 | < 0.005 | 18.5 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.03 | 0.03 | 0.30 | 0.00 | 0.00 | 0.07 | 0.07 | 0.00 | 0.02 | 0.02 | — | 70.2 | 70.2 | < 0.005 | < 0.005 | 71.2 |
| Vendor | < 0.005 | 0.12 | 0.06 | < 0.005 | < 0.005 | 0.02 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 92.3 | 92.3 | < 0.005 | 0.01 | 96.2 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | 0.02 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 4.30 | 4.30 | < 0.005 | < 0.005 | 4.36 |
| Vendor | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 5.59 | 5.59 | < 0.005 | < 0.005 | 5.84 |
| 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 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.71 | 0.71 | < 0.005 | < 0.005 | 0.72 |
| Vendor | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 0.93 | 0.93 | < 0.005 | < 0.005 | 0.97 |
| 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 |

## 3.29. Hotel/Golf Course-Clubhouse Construction (2028) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.69 | 6.37 | 9.25 | 0.02 | 0.20 | — | 0.20 | 0.18 | — | 0.18 | — | 1,838 | 1,838 | 0.07 | 0.01 | 1,844 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.69 | 6.37 | 9.25 | 0.02 | 0.20 | — | 0.20 | 0.18 | — | 0.18 | — | 1,838 | 1,838 | 0.07 | 0.01 | 1,844 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.16 | 1.50 | 2.17 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 432 | 432 | 0.02 | < 0.005 | 433 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.03 | 0.27 | 0.40 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 71.4 | 71.4 | < 0.005 | < 0.005 | 71.7 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.03 | 0.02 | 0.32 | 0.00 | 0.00 | 0.07 | 0.07 | 0.00 | 0.02 | 0.02 | — | 73.0 | 73.0 | < 0.005 | < 0.005 | 74.1 |
| Vendor | < 0.005 | 0.11 | 0.05 | < 0.005 | < 0.005 | 0.02 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 89.9 | 89.9 | < 0.005 | 0.01 | 94.0 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.03 | 0.02 | 0.28 | 0.00 | 0.00 | 0.07 | 0.07 | 0.00 | 0.02 | 0.02 | — | 69.0 | 69.0 | < 0.005 | < 0.005 | 69.8 |
| Vendor | < 0.005 | 0.12 | 0.06 | < 0.005 | < 0.005 | 0.02 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 89.9 | 89.9 | < 0.005 | 0.01 | 93.9 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.07 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | < 0.005 | < 0.005 | — | 16.3 | 16.3 | < 0.005 | < 0.005 | 16.6 |
| Vendor | < 0.005 | 0.03 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 21.1 | 21.1 | < 0.005 | < 0.005 | 22.1 |
| 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 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 2.71 | 2.71 | < 0.005 | < 0.005 | 2.74 |
| Vendor | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 3.50 | 3.50 | < 0.005 | < 0.005 | 3.65 |
| 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 |

## 3.30. Hotel/Golf Course-Clubhouse Construction (2028) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.19 | 1.81 | 11.1 | 0.02 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 1,838 | 1,838 | 0.07 | 0.01 | 1,844 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.19 | 1.81 | 11.1 | 0.02 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 1,838 | 1,838 | 0.07 | 0.01 | 1,844 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.04 | 0.42 | 2.61 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 432 | 432 | 0.02 | < 0.005 | 433 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.08 | 0.48 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 71.4 | 71.4 | < 0.005 | < 0.005 | 71.7 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.03 | 0.02 | 0.32 | 0.00 | 0.00 | 0.07 | 0.07 | 0.00 | 0.02 | 0.02 | — | 73.0 | 73.0 | < 0.005 | < 0.005 | 74.1 |
| Vendor | < 0.005 | 0.11 | 0.05 | < 0.005 | < 0.005 | 0.02 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 89.9 | 89.9 | < 0.005 | 0.01 | 94.0 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.03 | 0.02 | 0.28 | 0.00 | 0.00 | 0.07 | 0.07 | 0.00 | 0.02 | 0.02 | — | 69.0 | 69.0 | < 0.005 | < 0.005 | 69.8 |
| Vendor | < 0.005 | 0.12 | 0.06 | < 0.005 | < 0.005 | 0.02 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 89.9 | 89.9 | < 0.005 | 0.01 | 93.9 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.07 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | < 0.005 | < 0.005 | — | 16.3 | 16.3 | < 0.005 | < 0.005 | 16.6 |
| Vendor | < 0.005 | 0.03 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 21.1 | 21.1 | < 0.005 | < 0.005 | 22.1 |
| 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 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 2.71 | 2.71 | < 0.005 | < 0.005 | 2.74 |
| Vendor | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 3.50 | 3.50 | < 0.005 | < 0.005 | 3.65 |
| 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 |

## 3.31. Hotel/Golf Course - Hotel Construction (2028) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.69 | 6.37 | 9.25 | 0.02 | 0.20 | — | 0.20 | 0.18 | — | 0.18 | — | 1,838 | 1,838 | 0.07 | 0.01 | 1,844 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.69 | 6.37 | 9.25 | 0.02 | 0.20 | — | 0.20 | 0.18 | — | 0.18 | — | 1,838 | 1,838 | 0.07 | 0.01 | 1,844 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.30 | 2.76 | 4.00 | 0.01 | 0.09 | — | 0.09 | 0.08 | — | 0.08 | — | 795 | 795 | 0.03 | 0.01 | 798 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 0.50 | 0.73 | < 0.005 | 0.02 | — | 0.02 | 0.01 | — | 0.01 | — | 132 | 132 | 0.01 | < 0.005 | 132 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.05 | 0.03 | 0.50 | 0.00 | 0.00 | 0.11 | 0.11 | 0.00 | 0.03 | 0.03 | — | 114 | 114 | < 0.005 | < 0.005 | 115 |
| Vendor | < 0.005 | 0.11 | 0.05 | < 0.005 | < 0.005 | 0.02 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 89.9 | 89.9 | < 0.005 | 0.01 | 94.0 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.05 | 0.04 | 0.44 | 0.00 | 0.00 | 0.11 | 0.11 | 0.00 | 0.03 | 0.03 | — | 107 | 107 | < 0.005 | < 0.005 | 109 |
| Vendor | < 0.005 | 0.12 | 0.06 | < 0.005 | < 0.005 | 0.02 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 89.9 | 89.9 | < 0.005 | 0.01 | 93.9 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.02 | 0.02 | 0.19 | 0.00 | 0.00 | 0.05 | 0.05 | 0.00 | 0.01 | 0.01 | — | 46.9 | 46.9 | < 0.005 | < 0.005 | 47.5 |
| Vendor | < 0.005 | 0.05 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 38.9 | 38.9 | < 0.005 | 0.01 | 40.7 |
| 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 | < 0.005 | < 0.005 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 7.76 | 7.76 | < 0.005 | < 0.005 | 7.86 |
| Vendor | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 6.44 | 6.44 | < 0.005 | < 0.005 | 6.73 |
| 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 |

## 3.32. Hotel/Golf Course - Hotel Construction (2028) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.19 | 1.81 | 11.1 | 0.02 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 1,838 | 1,838 | 0.07 | 0.01 | 1,844 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.19 | 1.81 | 11.1 | 0.02 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 1,838 | 1,838 | 0.07 | 0.01 | 1,844 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.08 | 0.78 | 4.81 | 0.01 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 795 | 795 | 0.03 | 0.01 | 798 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.14 | 0.88 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 132 | 132 | 0.01 | < 0.005 | 132 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.05 | 0.03 | 0.50 | 0.00 | 0.00 | 0.11 | 0.11 | 0.00 | 0.03 | 0.03 | — | 114 | 114 | < 0.005 | < 0.005 | 115 |
| Vendor | < 0.005 | 0.11 | 0.05 | < 0.005 | < 0.005 | 0.02 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 89.9 | 89.9 | < 0.005 | 0.01 | 94.0 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.05 | 0.04 | 0.44 | 0.00 | 0.00 | 0.11 | 0.11 | 0.00 | 0.03 | 0.03 | — | 107 | 107 | < 0.005 | < 0.005 | 109 |
| Vendor | < 0.005 | 0.12 | 0.06 | < 0.005 | < 0.005 | 0.02 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 89.9 | 89.9 | < 0.005 | 0.01 | 93.9 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.02 | 0.02 | 0.19 | 0.00 | 0.00 | 0.05 | 0.05 | 0.00 | 0.01 | 0.01 | — | 46.9 | 46.9 | < 0.005 | < 0.005 | 47.5 |
| Vendor | < 0.005 | 0.05 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 38.9 | 38.9 | < 0.005 | 0.01 | 40.7 |
| 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 | < 0.005 | < 0.005 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 7.76 | 7.76 | < 0.005 | < 0.005 | 7.86 |
| Vendor | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 6.44 | 6.44 | < 0.005 | < 0.005 | 6.73 |
| 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 |

## 3.33. Project Paving (2027) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.74 | 6.94 | 9.95 | 0.01 | 0.30 | — | 0.30 | 0.27 | — | 0.27 | — | 1,511 | 1,511 | 0.06 | 0.01 | 1,516 |
| Paving | 0.22 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.74 | 6.94 | 9.95 | 0.01 | 0.30 | — | 0.30 | 0.27 | — | 0.27 | — | 1,511 | 1,511 | 0.06 | 0.01 | 1,516 |
| Paving | 0.22 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.25 | 2.34 | 3.35 | < 0.005 | 0.10 | — | 0.10 | 0.09 | — | 0.09 | — | 509 | 509 | 0.02 | < 0.005 | 510 |
| Paving | 0.07 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 0.43 | 0.61 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 84.2 | 84.2 | < 0.005 | < 0.005 | 84.5 |
| Paving | 0.01 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.06 | 0.04 | 0.68 | 0.00 | 0.00 | 0.14 | 0.14 | 0.00 | 0.03 | 0.03 | — | 149 | 149 | 0.01 | 0.01 | 151 |
| Vendor | < 0.005 | 0.18 | 0.08 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 138 | 138 | 0.01 | 0.02 | 145 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.06 | 0.05 | 0.60 | 0.00 | 0.00 | 0.14 | 0.14 | 0.00 | 0.03 | 0.03 | — | 140 | 140 | 0.01 | 0.01 | 142 |
| Vendor | < 0.005 | 0.18 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 138 | 138 | 0.01 | 0.02 | 144 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.02 | 0.02 | 0.20 | 0.00 | 0.00 | 0.05 | 0.05 | 0.00 | 0.01 | 0.01 | — | 47.7 | 47.7 | < 0.005 | < 0.005 | 48.4 |
| Vendor | < 0.005 | 0.06 | 0.03 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 46.6 | 46.6 | < 0.005 | 0.01 | 48.6 |
| 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 | < 0.005 | < 0.005 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 7.90 | 7.90 | < 0.005 | < 0.005 | 8.01 |
| Vendor | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 7.71 | 7.71 | < 0.005 | < 0.005 | 8.05 |
| 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 |

## 3.34. Project Paving (2027) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.16 | 1.93 | 10.6 | 0.01 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 1,511 | 1,511 | 0.06 | 0.01 | 1,516 |
| Paving | 0.22 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.16 | 1.93 | 10.6 | 0.01 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 1,511 | 1,511 | 0.06 | 0.01 | 1,516 |
| Paving | 0.22 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 0.65 | 3.57 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 509 | 509 | 0.02 | < 0.005 | 510 |
| Paving | 0.07 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.12 | 0.65 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 84.2 | 84.2 | < 0.005 | < 0.005 | 84.5 |
| Paving | 0.01 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.06 | 0.04 | 0.68 | 0.00 | 0.00 | 0.14 | 0.14 | 0.00 | 0.03 | 0.03 | — | 149 | 149 | 0.01 | 0.01 | 151 |
| Vendor | < 0.005 | 0.18 | 0.08 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 138 | 138 | 0.01 | 0.02 | 145 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.06 | 0.05 | 0.60 | 0.00 | 0.00 | 0.14 | 0.14 | 0.00 | 0.03 | 0.03 | — | 140 | 140 | 0.01 | 0.01 | 142 |
| Vendor | < 0.005 | 0.18 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 138 | 138 | 0.01 | 0.02 | 144 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.02 | 0.02 | 0.20 | 0.00 | 0.00 | 0.05 | 0.05 | 0.00 | 0.01 | 0.01 | — | 47.7 | 47.7 | < 0.005 | < 0.005 | 48.4 |
| Vendor | < 0.005 | 0.06 | 0.03 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 46.6 | 46.6 | < 0.005 | 0.01 | 48.6 |
| 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 | < 0.005 | < 0.005 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 7.90 | 7.90 | < 0.005 | < 0.005 | 8.01 |
| Vendor | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 7.71 | 7.71 | < 0.005 | < 0.005 | 8.05 |
| 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 |

## 3.35. Project Paving (2028) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.69 | 6.63 | 9.91 | 0.01 | 0.26 | — | 0.26 | 0.24 | — | 0.24 | — | 1,511 | 1,511 | 0.06 | 0.01 | 1,516 |
| Paving | 0.22 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02 | 0.18 | 0.27 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 41.4 | 41.4 | < 0.005 | < 0.005 | 41.5 |
| Paving | 0.01 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | 0.03 | 0.05 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 6.85 | 6.85 | < 0.005 | < 0.005 | 6.88 |
| Paving | < 0.005 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.06 | 0.05 | 0.57 | 0.00 | 0.00 | 0.14 | 0.14 | 0.00 | 0.03 | 0.03 | — | 138 | 138 | < 0.005 | 0.01 | 140 |
| Vendor | < 0.005 | 0.17 | 0.08 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 135 | 135 | 0.01 | 0.02 | 141 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | 0.02 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 3.81 | 3.81 | < 0.005 | < 0.005 | 3.87 |
| Vendor | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 3.69 | 3.69 | < 0.005 | < 0.005 | 3.86 |
| 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 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.63 | 0.63 | < 0.005 | < 0.005 | 0.64 |
| Vendor | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 0.61 | 0.61 | < 0.005 | < 0.005 | 0.64 |
| 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 |

## 3.36. Project Paving (2028) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.16 | 1.93 | 10.6 | 0.01 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 1,511 | 1,511 | 0.06 | 0.01 | 1,516 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paving | 0.22 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | 0.05 | 0.29 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 41.4 | 41.4 | < 0.005 | < 0.005 | 41.5 |
| Paving | 0.01 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | 0.01 | 0.05 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 6.85 | 6.85 | < 0.005 | < 0.005 | 6.88 |
| Paving | < 0.005 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.06 | 0.05 | 0.57 | 0.00 | 0.00 | 0.14 | 0.14 | 0.00 | 0.03 | 0.03 | — | 138 | 138 | < 0.005 | 0.01 | 140 |
| Vendor | < 0.005 | 0.17 | 0.08 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 135 | 135 | 0.01 | 0.02 | 141 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | 0.02 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 3.81 | 3.81 | < 0.005 | < 0.005 | 3.87 |
| Vendor | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 3.69 | 3.69 | < 0.005 | < 0.005 | 3.86 |
| 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 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.63 | 0.63 | < 0.005 | < 0.005 | 0.64 |
| Vendor | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 0.61 | 0.61 | < 0.005 | < 0.005 | 0.64 |
| 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 |

## 3.37. NAR-Architectural Coating (2028) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Architectural Coatings | 12.5 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Architectural Coatings | 12.5 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Architectural Coatings | 3.75 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Architectural Coatings | 0.68 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.05 | 0.04 | 0.57 | 0.00 | 0.00 | 0.12 | 0.12 | 0.00 | 0.03 | 0.03 | — | 130 | 130 | < 0.005 | < 0.005 | 132 |
| Vendor | < 0.005 | 0.17 | 0.08 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 135 | 135 | 0.01 | 0.02 | 141 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.05 | 0.04 | 0.50 | 0.00 | 0.00 | 0.12 | 0.12 | 0.00 | 0.03 | 0.03 | — | 123 | 123 | < 0.005 | < 0.005 | 124 |
| Vendor | < 0.005 | 0.17 | 0.08 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 135 | 135 | 0.01 | 0.02 | 141 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.02 | 0.01 | 0.15 | 0.00 | 0.00 | 0.04 | 0.04 | 0.00 | 0.01 | 0.01 | — | 37.0 | 37.0 | < 0.005 | < 0.005 | 37.6 |
| Vendor | < 0.005 | 0.05 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 40.4 | 40.4 | < 0.005 | 0.01 | 42.2 |
| 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 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 6.13 | 6.13 | < 0.005 | < 0.005 | 6.22 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 6.69 | 6.69 | < 0.005 | < 0.005 | 6.98 |
| 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 |

## 3.38. NAR-Architectural Coating (2028) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 12.5 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 12.5 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 3.75 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.68 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.05 | 0.04 | 0.57 | 0.00 | 0.00 | 0.12 | 0.12 | 0.00 | 0.03 | 0.03 | — | 130 | 130 | < 0.005 | < 0.005 | 132 |
| Vendor | < 0.005 | 0.17 | 0.08 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 135 | 135 | 0.01 | 0.02 | 141 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.05 | 0.04 | 0.50 | 0.00 | 0.00 | 0.12 | 0.12 | 0.00 | 0.03 | 0.03 | — | 123 | 123 | < 0.005 | < 0.005 | 124 |
| Vendor | < 0.005 | 0.17 | 0.08 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 135 | 135 | 0.01 | 0.02 | 141 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.02 | 0.01 | 0.15 | 0.00 | 0.00 | 0.04 | 0.04 | 0.00 | 0.01 | 0.01 | — | 37.0 | 37.0 | < 0.005 | < 0.005 | 37.6 |
| Vendor | < 0.005 | 0.05 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 40.4 | 40.4 | < 0.005 | 0.01 | 42.2 |
| 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 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 6.13 | 6.13 | < 0.005 | < 0.005 | 6.22 |
| Vendor | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 6.69 | 6.69 | < 0.005 | < 0.005 | 6.98 |
| 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 |

## 3.39. NAR-Architectural Coating (2029) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Architectural Coatings | 12.5 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Architectural Coatings | 0.29 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Architectural Coatings | 0.05 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.05 | 0.04 | 0.47 | 0.00 | 0.00 | 0.12 | 0.12 | 0.00 | 0.03 | 0.03 | — | 121 | 121 | < 0.005 | < 0.005 | 122 |
| Vendor | < 0.005 | 0.17 | 0.08 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 131 | 131 | 0.01 | 0.02 | 137 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 2.86 | 2.86 | < 0.005 | < 0.005 | 2.89 |
| Vendor | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 3.08 | 3.08 | < 0.005 | < 0.005 | 3.21 |
| 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 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.47 | 0.47 | < 0.005 | < 0.005 | 0.48 |
| Vendor | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 0.51 | 0.51 | < 0.005 | < 0.005 | 0.53 |
| 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 |

## 3.40. NAR-Architectural Coating (2029) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 12.5 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.29 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.05 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.05 | 0.04 | 0.47 | 0.00 | 0.00 | 0.12 | 0.12 | 0.00 | 0.03 | 0.03 | — | 121 | 121 | < 0.005 | < 0.005 | 122 |
| Vendor | < 0.005 | 0.17 | 0.08 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 131 | 131 | 0.01 | 0.02 | 137 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 2.86 | 2.86 | < 0.005 | < 0.005 | 2.89 |
| Vendor | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 3.08 | 3.08 | < 0.005 | < 0.005 | 3.21 |
| 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 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.47 | 0.47 | < 0.005 | < 0.005 | 0.48 |
| Vendor | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 0.51 | 0.51 | < 0.005 | < 0.005 | 0.53 |
| 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 |

## 3.41. WAR-Architectural Coating (2028) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Architectural Coatings | 10.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Architectural Coatings | 10.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Architectural Coatings | 1.89 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Architectural Coatings | 0.34 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.03 | 0.02 | 0.28 | 0.00 | 0.00 | 0.06 | 0.06 | 0.00 | 0.01 | 0.01 | — | 64.9 | 64.9 | < 0.005 | < 0.005 | 65.9 |
| Vendor | < 0.005 | 0.17 | 0.08 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 135 | 135 | 0.01 | 0.02 | 141 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.03 | 0.02 | 0.25 | 0.00 | 0.00 | 0.06 | 0.06 | 0.00 | 0.01 | 0.01 | — | 61.3 | 61.3 | < 0.005 | < 0.005 | 62.1 |
| Vendor | < 0.005 | 0.17 | 0.08 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 135 | 135 | 0.01 | 0.02 | 141 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | 0.05 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 11.2 | 11.2 | < 0.005 | < 0.005 | 11.3 |
| Vendor | < 0.005 | 0.03 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 24.4 | 24.4 | < 0.005 | < 0.005 | 25.5 |
| 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 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.85 | 1.85 | < 0.005 | < 0.005 | 1.88 |
| Vendor | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 4.04 | 4.04 | < 0.005 | < 0.005 | 4.22 |
| 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 |

## 3.42. WAR-Architectural Coating (2028) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 10.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 10.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.89 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.34 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.03 | 0.02 | 0.28 | 0.00 | 0.00 | 0.06 | 0.06 | 0.00 | 0.01 | 0.01 | — | 64.9 | 64.9 | < 0.005 | < 0.005 | 65.9 |
| Vendor | < 0.005 | 0.17 | 0.08 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 135 | 135 | 0.01 | 0.02 | 141 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.03 | 0.02 | 0.25 | 0.00 | 0.00 | 0.06 | 0.06 | 0.00 | 0.01 | 0.01 | — | 61.3 | 61.3 | < 0.005 | < 0.005 | 62.1 |
| Vendor | < 0.005 | 0.17 | 0.08 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 135 | 135 | 0.01 | 0.02 | 141 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | 0.05 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 11.2 | 11.2 | < 0.005 | < 0.005 | 11.3 |
| Vendor | < 0.005 | 0.03 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 24.4 | 24.4 | < 0.005 | < 0.005 | 25.5 |
| 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 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.85 | 1.85 | < 0.005 | < 0.005 | 1.88 |
| Vendor | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 4.04 | 4.04 | < 0.005 | < 0.005 | 4.22 |
| 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 |

## 3.43. Hotel/Golf Course- Clubhouse Architectural Coa (2028) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Architect Coatings | 11.8 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Architectural Coatings | 0.68 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Architectural Coatings | 0.12 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.06 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | < 0.005 | < 0.005 | — | 15.3 | 15.3 | < 0.005 | < 0.005 | 15.5 |
| Vendor | < 0.005 | 0.17 | 0.08 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 135 | 135 | 0.01 | 0.02 | 141 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.89 | 0.89 | < 0.005 | < 0.005 | 0.90 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 7.76 | 7.76 | < 0.005 | < 0.005 | 8.11 |
| 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 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.15 | 0.15 | < 0.005 | < 0.005 | 0.15 |
| Vendor | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 1.28 | 1.28 | < 0.005 | < 0.005 | 1.34 |
| 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 |

## 3.44. Hotel/Golf Course- Clubhouse Architectural Coa (2028) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 11.8 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.68 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.12 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.06 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | < 0.005 | < 0.005 | — | 15.3 | 15.3 | < 0.005 | < 0.005 | 15.5 |
| Vendor | < 0.005 | 0.17 | 0.08 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 135 | 135 | 0.01 | 0.02 | 141 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.89 | 0.89 | < 0.005 | < 0.005 | 0.90 |
| Vendor | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 7.76 | 7.76 | < 0.005 | < 0.005 | 8.11 |
| 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 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.15 | 0.15 | < 0.005 | < 0.005 | 0.15 |
| Vendor | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 1.28 | 1.28 | < 0.005 | < 0.005 | 1.34 |
| 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 |

## 3.45. Hotel/Golf Course-Hotel Architectural Coating (2028) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Architectural Coatings | 15.5 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Architectural Coatings | 1.15 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Architectural Coatings | 0.21 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.09 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | 0.01 | 0.01 | — | 23.0 | 23.0 | < 0.005 | < 0.005 | 23.3 |
| Vendor | < 0.005 | 0.17 | 0.08 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 135 | 135 | 0.01 | 0.02 | 141 |
| 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 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.72 | 1.72 | < 0.005 | < 0.005 | 1.74 |
| Vendor | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 9.98 | 9.98 | < 0.005 | < 0.005 | 10.4 |
| 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 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.28 | 0.28 | < 0.005 | < 0.005 | 0.29 |
| Vendor | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 1.65 | 1.65 | < 0.005 | < 0.005 | 1.73 |
| 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 |

## 3.46. Hotel/Golf Course-Hotel Architectural Coating (2028) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 15.5 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.15 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.21 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.09 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | 0.01 | 0.01 | — | 23.0 | 23.0 | < 0.005 | < 0.005 | 23.3 |
| Vendor | < 0.005 | 0.17 | 0.08 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 135 | 135 | 0.01 | 0.02 | 141 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.72 | 1.72 | < 0.005 | < 0.005 | 1.74 |
| Vendor | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 9.98 | 9.98 | < 0.005 | < 0.005 | 10.4 |
| 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 | < 0.005 | < 0.005 | < 0.005 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 0.28 | 0.28 | < 0.005 | < 0.005 | 0.29 |
| Vendor | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 1.65 | 1.65 | < 0.005 | < 0.005 | 1.73 |
| 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 |

## 3.47. NAR - Wet Utilities (2026) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.69 | 5.71 | 10.6 | 0.01 | 0.22 | — | 0.22 | 0.20 | — | 0.20 | — | 1,616 | 1,616 | 0.07 | 0.01 | 1,622 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.07 | 0.58 | 1.07 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 164 | 164 | 0.01 | < 0.005 | 165 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.11 | 0.20 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 27.2 | 27.2 | < 0.005 | < 0.005 | 27.3 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.08 | 0.06 | 0.78 | 0.00 | 0.00 | 0.17 | 0.17 | 0.00 | 0.04 | 0.04 | — | 175 | 175 | 0.01 | 0.01 | 177 |
| Vendor | < 0.005 | 0.19 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 141 | 141 | 0.01 | 0.02 | 148 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.08 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | < 0.005 | < 0.005 | — | 17.9 | 17.9 | < 0.005 | < 0.005 | 18.2 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 14.4 | 14.4 | < 0.005 | < 0.005 | 15.0 |
| 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 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 2.97 | 2.97 | < 0.005 | < 0.005 | 3.01 |
| Vendor | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 2.38 | 2.38 | < 0.005 | < 0.005 | 2.49 |
| 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 |

## 3.48. NAR - Wet Utilities (2026) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.17 | 1.98 | 11.3 | 0.01 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 1,616 | 1,616 | 0.07 | 0.01 | 1,622 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02 | 0.20 | 1.15 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 164 | 164 | 0.01 | < 0.005 | 165 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | 0.04 | 0.21 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 27.2 | 27.2 | < 0.005 | < 0.005 | 27.3 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.08 | 0.06 | 0.78 | 0.00 | 0.00 | 0.17 | 0.17 | 0.00 | 0.04 | 0.04 | — | 175 | 175 | 0.01 | 0.01 | 177 |
| Vendor | < 0.005 | 0.19 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 141 | 141 | 0.01 | 0.02 | 148 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.08 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | < 0.005 | < 0.005 | — | 17.9 | 17.9 | < 0.005 | < 0.005 | 18.2 |
| Vendor | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 14.4 | 14.4 | < 0.005 | < 0.005 | 15.0 |
| 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 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 2.97 | 2.97 | < 0.005 | < 0.005 | 3.01 |
| Vendor | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 2.38 | 2.38 | < 0.005 | < 0.005 | 2.49 |
| 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 |

## 3.49. NAR - Wet Utilities (2027) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.66 | 5.38 | 10.6 | 0.01 | 0.19 | — | 0.19 | 0.18 | — | 0.18 | — | 1,616 | 1,616 | 0.07 | 0.01 | 1,622 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.66 | 5.38 | 10.6 | 0.01 | 0.19 | — | 0.19 | 0.18 | — | 0.18 | — | 1,616 | 1,616 | 0.07 | 0.01 | 1,622 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.25 | 2.03 | 3.99 | 0.01 | 0.07 | — | 0.07 | 0.07 | — | 0.07 | — | 610 | 610 | 0.02 | < 0.005 | 613 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 0.37 | 0.73 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 101 | 101 | < 0.005 | < 0.005 | 101 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.08 | 0.05 | 0.83 | 0.00 | 0.00 | 0.17 | 0.17 | 0.00 | 0.04 | 0.04 | — | 182 | 182 | 0.01 | 0.01 | 185 |
| Vendor | < 0.005 | 0.18 | 0.08 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 138 | 138 | 0.01 | 0.02 | 145 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.07 | 0.06 | 0.73 | 0.00 | 0.00 | 0.17 | 0.17 | 0.00 | 0.04 | 0.04 | — | 172 | 172 | 0.01 | 0.01 | 174 |
| Vendor | < 0.005 | 0.18 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 138 | 138 | 0.01 | 0.02 | 144 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.03 | 0.02 | 0.28 | 0.00 | 0.00 | 0.06 | 0.06 | 0.00 | 0.01 | 0.01 | — | 65.4 | 65.4 | < 0.005 | < 0.005 | 66.4 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | < 0.005 | 0.07 | 0.03 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 52.2 | 52.2 | < 0.005 | 0.01 | 54.5 |
| 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 | 0.01 | < 0.005 | 0.05 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 10.8 | 10.8 | < 0.005 | < 0.005 | 11.0 |
| Vendor | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 8.65 | 8.65 | < 0.005 | < 0.005 | 9.03 |
| 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 |

## 3.50. NAR - Wet Utilities (2027) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.17 | 1.98 | 11.3 | 0.01 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 1,616 | 1,616 | 0.07 | 0.01 | 1,622 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.17 | 1.98 | 11.3 | 0.01 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 1,616 | 1,616 | 0.07 | 0.01 | 1,622 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.06 | 0.75 | 4.28 | 0.01 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 610 | 610 | 0.02 | < 0.005 | 613 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.01 | 0.14 | 0.78 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 101 | 101 | < 0.005 | < 0.005 | 101 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.08 | 0.05 | 0.83 | 0.00 | 0.00 | 0.17 | 0.17 | 0.00 | 0.04 | 0.04 | — | 182 | 182 | 0.01 | 0.01 | 185 |
| Vendor | < 0.005 | 0.18 | 0.08 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 138 | 138 | 0.01 | 0.02 | 145 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.07 | 0.06 | 0.73 | 0.00 | 0.00 | 0.17 | 0.17 | 0.00 | 0.04 | 0.04 | — | 172 | 172 | 0.01 | 0.01 | 174 |
| Vendor | < 0.005 | 0.18 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 138 | 138 | 0.01 | 0.02 | 144 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.03 | 0.02 | 0.28 | 0.00 | 0.00 | 0.06 | 0.06 | 0.00 | 0.01 | 0.01 | — | 65.4 | 65.4 | < 0.005 | < 0.005 | 66.4 |
| Vendor | < 0.005 | 0.07 | 0.03 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 52.2 | 52.2 | < 0.005 | 0.01 | 54.5 |
| 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 | 0.01 | < 0.005 | 0.05 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 10.8 | 10.8 | < 0.005 | < 0.005 | 11.0 |
| Vendor | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 8.65 | 8.65 | < 0.005 | < 0.005 | 9.03 |
| 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 |

## 3.51. NAR - Dry Utilities (2027) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.19 | 1.68 | 2.49 | < 0.005 | 0.06 | — | 0.06 | 0.05 | — | 0.05 | — | 387 | 387 | 0.02 | < 0.005 | 388 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.19 | 1.68 | 2.49 | < 0.005 | 0.06 | — | 0.06 | 0.05 | — | 0.05 | — | 387 | 387 | 0.02 | < 0.005 | 388 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.07 | 0.58 | 0.87 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 135 | 135 | 0.01 | < 0.005 | 135 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.11 | 0.16 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 22.3 | 22.3 | < 0.005 | < 0.005 | 22.3 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.07 | 0.05 | 0.75 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.04 | 0.04 | — | 165 | 165 | 0.01 | 0.01 | 168 |
| Vendor | < 0.005 | 0.18 | 0.08 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 138 | 138 | 0.01 | 0.02 | 145 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.07 | 0.06 | 0.67 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.04 | 0.04 | — | 156 | 156 | 0.01 | 0.01 | 158 |
| Vendor | < 0.005 | 0.18 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 138 | 138 | 0.01 | 0.02 | 144 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.02 | 0.02 | 0.23 | 0.00 | 0.00 | 0.05 | 0.05 | 0.00 | 0.01 | 0.01 | — | 54.8 | 54.8 | < 0.005 | < 0.005 | 55.6 |
| Vendor | < 0.005 | 0.06 | 0.03 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 48.1 | 48.1 | < 0.005 | 0.01 | 50.2 |
| 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 | < 0.005 | < 0.005 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 9.07 | 9.07 | < 0.005 | < 0.005 | 9.20 |
| Vendor | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 7.97 | 7.97 | < 0.005 | < 0.005 | 8.32 |
| 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 |

## 3.52. NAR - Dry Utilities (2027) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.09 | 2.08 | 4.73 | 0.01 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 677 | 677 | 0.03 | 0.01 | 679 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.09 | 2.08 | 4.73 | 0.01 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 677 | 677 | 0.03 | 0.01 | 679 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.03 | 0.72 | 1.65 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 236 | 236 | 0.01 | < 0.005 | 236 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.13 | 0.30 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 39.0 | 39.0 | < 0.005 | < 0.005 | 39.1 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.07 | 0.05 | 0.75 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.04 | 0.04 | — | 165 | 165 | 0.01 | 0.01 | 168 |
| Vendor | < 0.005 | 0.18 | 0.08 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 138 | 138 | 0.01 | 0.02 | 145 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.07 | 0.06 | 0.67 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.04 | 0.04 | — | 156 | 156 | 0.01 | 0.01 | 158 |
| Vendor | < 0.005 | 0.18 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 138 | 138 | 0.01 | 0.02 | 144 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.02 | 0.02 | 0.23 | 0.00 | 0.00 | 0.05 | 0.05 | 0.00 | 0.01 | 0.01 | — | 54.8 | 54.8 | < 0.005 | < 0.005 | 55.6 |
| Vendor | < 0.005 | 0.06 | 0.03 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 48.1 | 48.1 | < 0.005 | 0.01 | 50.2 |
| 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 | < 0.005 | < 0.005 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 9.07 | 9.07 | < 0.005 | < 0.005 | 9.20 |
| Vendor | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 7.97 | 7.97 | < 0.005 | < 0.005 | 8.32 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |

## 3.53. WAR - Wet Utilities (2026) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.69 | 5.71 | 10.6 | 0.01 | 0.22 | — | 0.22 | 0.20 | — | 0.20 | — | 1,616 | 1,616 | 0.07 | 0.01 | 1,622 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.07 | 0.58 | 1.07 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 164 | 164 | 0.01 | < 0.005 | 165 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.11 | 0.20 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 27.2 | 27.2 | < 0.005 | < 0.005 | 27.3 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.08 | 0.06 | 0.78 | 0.00 | 0.00 | 0.17 | 0.17 | 0.00 | 0.04 | 0.04 | — | 175 | 175 | 0.01 | 0.01 | 177 |
| Vendor | < 0.005 | 0.19 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 141 | 141 | 0.01 | 0.02 | 148 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.08 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | < 0.005 | < 0.005 | — | 17.9 | 17.9 | < 0.005 | < 0.005 | 18.2 |
| Vendor | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 14.4 | 14.4 | < 0.005 | < 0.005 | 15.0 |
| 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 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 2.97 | 2.97 | < 0.005 | < 0.005 | 3.01 |
| Vendor | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 2.38 | 2.38 | < 0.005 | < 0.005 | 2.49 |
| 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 |

## 3.54. WAR - Wet Utilities (2026) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.17 | 1.98 | 11.3 | 0.01 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 1,616 | 1,616 | 0.07 | 0.01 | 1,622 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02 | 0.20 | 1.15 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 164 | 164 | 0.01 | < 0.005 | 165 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | 0.04 | 0.21 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 27.2 | 27.2 | < 0.005 | < 0.005 | 27.3 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.08 | 0.06 | 0.78 | 0.00 | 0.00 | 0.17 | 0.17 | 0.00 | 0.04 | 0.04 | — | 175 | 175 | 0.01 | 0.01 | 177 |
| Vendor | < 0.005 | 0.19 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 141 | 141 | 0.01 | 0.02 | 148 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.08 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | < 0.005 | < 0.005 | — | 17.9 | 17.9 | < 0.005 | < 0.005 | 18.2 |
| Vendor | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 14.4 | 14.4 | < 0.005 | < 0.005 | 15.0 |
| 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 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 2.97 | 2.97 | < 0.005 | < 0.005 | 3.01 |
| Vendor | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 2.38 | 2.38 | < 0.005 | < 0.005 | 2.49 |
| 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 |

## 3.55. WAR - Wet Utilities (2027) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.66 | 5.38 | 10.6 | 0.01 | 0.19 | — | 0.19 | 0.18 | — | 0.18 | — | 1,616 | 1,616 | 0.07 | 0.01 | 1,622 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.66 | 5.38 | 10.6 | 0.01 | 0.19 | — | 0.19 | 0.18 | — | 0.18 | — | 1,616 | 1,616 | 0.07 | 0.01 | 1,622 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.15 | 1.22 | 2.40 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | — | 367 | 367 | 0.01 | < 0.005 | 368 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.03 | 0.22 | 0.44 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 60.7 | 60.7 | < 0.005 | < 0.005 | 61.0 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.08 | 0.05 | 0.83 | 0.00 | 0.00 | 0.17 | 0.17 | 0.00 | 0.04 | 0.04 | — | 182 | 182 | 0.01 | 0.01 | 185 |
| Vendor | < 0.005 | 0.18 | 0.08 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 138 | 138 | 0.01 | 0.02 | 145 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.07 | 0.06 | 0.73 | 0.00 | 0.00 | 0.17 | 0.17 | 0.00 | 0.04 | 0.04 | — | 172 | 172 | 0.01 | 0.01 | 174 |
| Vendor | < 0.005 | 0.18 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 138 | 138 | 0.01 | 0.02 | 144 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.02 | 0.01 | 0.17 | 0.00 | 0.00 | 0.04 | 0.04 | 0.00 | 0.01 | 0.01 | — | 39.3 | 39.3 | < 0.005 | < 0.005 | 39.9 |
| Vendor | < 0.005 | 0.04 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 31.4 | 31.4 | < 0.005 | < 0.005 | 32.8 |
| 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 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 6.51 | 6.51 | < 0.005 | < 0.005 | 6.60 |
| Vendor | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 5.20 | 5.20 | < 0.005 | < 0.005 | 5.43 |
| 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 |

## 3.56. WAR - Wet Utilities (2027) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.17 | 1.98 | 11.3 | 0.01 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 1,616 | 1,616 | 0.07 | 0.01 | 1,622 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.17 | 1.98 | 11.3 | 0.01 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 1,616 | 1,616 | 0.07 | 0.01 | 1,622 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.04 | 0.45 | 2.57 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 367 | 367 | 0.01 | < 0.005 | 368 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.08 | 0.47 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 60.7 | 60.7 | < 0.005 | < 0.005 | 61.0 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.08 | 0.05 | 0.83 | 0.00 | 0.00 | 0.17 | 0.17 | 0.00 | 0.04 | 0.04 | — | 182 | 182 | 0.01 | 0.01 | 185 |
| Vendor | < 0.005 | 0.18 | 0.08 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 138 | 138 | 0.01 | 0.02 | 145 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.07 | 0.06 | 0.73 | 0.00 | 0.00 | 0.17 | 0.17 | 0.00 | 0.04 | 0.04 | — | 172 | 172 | 0.01 | 0.01 | 174 |
| Vendor | < 0.005 | 0.18 | 0.09 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 138 | 138 | 0.01 | 0.02 | 144 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.02 | 0.01 | 0.17 | 0.00 | 0.00 | 0.04 | 0.04 | 0.00 | 0.01 | 0.01 | — | 39.3 | 39.3 | < 0.005 | < 0.005 | 39.9 |
| Vendor | < 0.005 | 0.04 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 31.4 | 31.4 | < 0.005 | < 0.005 | 32.8 |
| 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 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 6.51 | 6.51 | < 0.005 | < 0.005 | 6.60 |
| Vendor | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 5.20 | 5.20 | < 0.005 | < 0.005 | 5.43 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |

## 3.57. WAR - Dry Utilities (2027) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.19 | 1.68 | 2.49 | < 0.005 | 0.06 | — | 0.06 | 0.05 | — | 0.05 | — | 387 | 387 | 0.02 | < 0.005 | 388 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.19 | 1.68 | 2.49 | < 0.005 | 0.06 | — | 0.06 | 0.05 | — | 0.05 | — | 387 | 387 | 0.02 | < 0.005 | 388 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 0.46 | 0.68 | < 0.005 | 0.02 | — | 0.02 | 0.01 | — | 0.01 | — | 106 | 106 | < 0.005 | < 0.005 | 106 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.08 | 0.12 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 17.5 | 17.5 | < 0.005 | < 0.005 | 17.6 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.07 | 0.05 | 0.75 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.04 | 0.04 | — | 165 | 165 | 0.01 | 0.01 | 168 |
| Vendor | < 0.005 | 0.15 | 0.07 | < 0.005 | < 0.005 | 0.03 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 115 | 115 | < 0.005 | 0.02 | 120 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.07 | 0.06 | 0.67 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.04 | 0.04 | — | 156 | 156 | 0.01 | 0.01 | 158 |
| Vendor | < 0.005 | 0.15 | 0.07 | < 0.005 | < 0.005 | 0.03 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 115 | 115 | < 0.005 | 0.02 | 120 |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.02 | 0.02 | 0.18 | 0.00 | 0.00 | 0.04 | 0.04 | 0.00 | 0.01 | 0.01 | — | 43.1 | 43.1 | < 0.005 | < 0.005 | 43.8 |
| Vendor | < 0.005 | 0.04 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 31.6 | 31.6 | < 0.005 | < 0.005 | 33.0 |
| 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 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 7.14 | 7.14 | < 0.005 | < 0.005 | 7.24 |
| Vendor | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 5.23 | 5.23 | < 0.005 | < 0.005 | 5.46 |
| 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 |

## 3.58. WAR - Dry Utilities (2027) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.09 | 2.08 | 4.73 | 0.01 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 677 | 677 | 0.03 | 0.01 | 679 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00 | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.09 | 2.08 | 4.73 | 0.01 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 677 | 677 | 0.03 | 0.01 | 679 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02 | 0.57 | 1.30 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 185 | 185 | 0.01 | < 0.005 | 186 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | 0.10 | 0.24 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 30.7 | 30.7 | < 0.005 | < 0.005 | 30.8 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.07 | 0.05 | 0.75 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.04 | 0.04 | — | 165 | 165 | 0.01 | 0.01 | 168 |
| Vendor | < 0.005 | 0.15 | 0.07 | < 0.005 | < 0.005 | 0.03 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 115 | 115 | < 0.005 | 0.02 | 120 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.07 | 0.06 | 0.67 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.04 | 0.04 | — | 156 | 156 | 0.01 | 0.01 | 158 |
| Vendor | < 0.005 | 0.15 | 0.07 | < 0.005 | < 0.005 | 0.03 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 115 | 115 | < 0.005 | 0.02 | 120 |
| 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 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.02 | 0.02 | 0.18 | 0.00 | 0.00 | 0.04 | 0.04 | 0.00 | 0.01 | 0.01 | — | 43.1 | 43.1 | < 0.005 | < 0.005 | 43.8 |
| Vendor | < 0.005 | 0.04 | 0.02 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 31.6 | 31.6 | < 0.005 | < 0.005 | 33.0 |
| 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 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 7.14 | 7.14 | < 0.005 | < 0.005 | 7.24 |
| Vendor | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 5.23 | 5.23 | < 0.005 | < 0.005 | 5.46 |
| 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 |

## 3.59. Hotel/Golf Course-Finish (2028) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.94 | 7.59 | 9.44 | 0.02 | 0.38 | — | 0.38 | 0.35 | — | 0.35 | — | 2,100 | 2,100 | 0.09 | 0.02 | 2,108 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.12 | 0.98 | 1.22 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 270 | 270 | 0.01 | < 0.005 | 271 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.02 | 0.18 | 0.22 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 44.8 | 44.8 | < 0.005 | < 0.005 | 44.9 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.04 | 0.03 | 0.43 | 0.00 | 0.00 | 0.09 | 0.09 | 0.00 | 0.02 | 0.02 | — | 97.4 | 97.4 | < 0.005 | < 0.005 | 98.8 |
| Vendor | < 0.005 | 0.17 | 0.08 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 135 | 135 | 0.01 | 0.02 | 141 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | < 0.005 | 0.05 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 11.9 | 11.9 | < 0.005 | < 0.005 | 12.1 |
| Vendor | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 17.4 | 17.4 | < 0.005 | < 0.005 | 18.1 |
| 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 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.98 | 1.98 | < 0.005 | < 0.005 | 2.01 |
| Vendor | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 2.88 | 2.88 | < 0.005 | < 0.005 | 3.00 |
| 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 |

## 3.60. Hotel/Golf Course-Finish (2028) - 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.20 | 1.03 | 12.2 | 0.02 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | — | 2,100 | 2,100 | 0.09 | 0.02 | 2,108 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.03 | 0.13 | 1.57 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 270 | 270 | 0.01 | < 0.005 | 271 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | 0.02 | 0.29 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 44.8 | 44.8 | < 0.005 | < 0.005 | 44.9 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.04 | 0.03 | 0.43 | 0.00 | 0.00 | 0.09 | 0.09 | 0.00 | 0.02 | 0.02 | — | 97.4 | 97.4 | < 0.005 | < 0.005 | 98.8 |
| Vendor | < 0.005 | 0.17 | 0.08 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 135 | 135 | 0.01 | 0.02 | 141 |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | < 0.005 | 0.05 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 11.9 | 11.9 | < 0.005 | < 0.005 | 12.1 |
| Vendor | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 17.4 | 17.4 | < 0.005 | < 0.005 | 18.1 |
| 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 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.98 | 1.98 | < 0.005 | < 0.005 | 2.01 |
| Vendor | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 2.88 | 2.88 | < 0.005 | < 0.005 | 3.00 |
| 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 |

# 4. Operations Emissions Details

## 4.1. Mobile Emissions by Land Use

### 4.1.1. Unmitigated

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Condo/Townhouse | 6.51 | 4.17 | 46.1 | 0.12 | 0.08 | 10.8 | 10.8 | 0.08 | 2.73 | 2.80 | — | 11,898 | 11,898 | 0.54 | 0.45 | 12,075 |
| Golf Course | 2.29 | 1.30 | 14.1 | 0.03 | 0.02 | 3.11 | 3.14 | 0.02 | 0.79 | 0.81 | — | 3,470 | 3,470 | 0.17 | 0.14 | 3,524 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Racquet Club | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hotel | 1.77 | 1.10 | 12.1 | 0.03 | 0.02 | 2.79 | 2.81 | 0.02 | 0.71 | 0.73 | — | 3,092 | 3,092 | 0.14 | 0.12 | 3,139 |
| Quality Restaurant | 1.14 | 0.57 | 5.97 | 0.01 | 0.01 | 1.22 | 1.23 | 0.01 | 0.31 | 0.32 | — | 1,374 | 1,374 | 0.08 | 0.06 | 1,397 |
| Single Family Housing | 0.20 | 0.11 | 1.23 | < 0.005 | < 0.005 | 0.27 | 0.28 | < 0.005 | 0.07 | 0.07 | — | 305 | 305 | 0.02 | 0.01 | 309 |
| Total | 11.9 | 7.24 | 79.5 | 0.20 | 0.14 | 18.2 | 18.3 | 0.13 | 4.60 | 4.73 | — | 20,138 | 20,138 | 0.95 | 0.78 | 20,444 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Condo/Townhouse | 6.40 | 4.57 | 43.6 | 0.11 | 0.08 | 10.8 | 10.8 | 0.08 | 2.73 | 2.80 | — | 11,372 | 11,372 | 0.57 | 0.48 | 11,529 |
| Golf Course | 2.25 | 1.43 | 13.6 | 0.03 | 0.02 | 3.11 | 3.14 | 0.02 | 0.79 | 0.81 | — | 3,318 | 3,318 | 0.19 | 0.15 | 3,367 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Racquet Club | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hotel | 1.74 | 1.21 | 11.5 | 0.03 | 0.02 | 2.79 | 2.81 | 0.02 | 0.71 | 0.73 | — | 2,956 | 2,956 | 0.15 | 0.13 | 2,997 |
| Quality Restaurant | 1.12 | 0.62 | 5.90 | 0.01 | 0.01 | 1.22 | 1.23 | 0.01 | 0.31 | 0.32 | — | 1,315 | 1,315 | 0.09 | 0.06 | 1,336 |
| Single Family Housing | 0.19 | 0.12 | 1.18 | < 0.005 | < 0.005 | 0.27 | 0.28 | < 0.005 | 0.07 | 0.07 | — | 291 | 291 | 0.02 | 0.01 | 296 |
| Total | 11.7 | 7.96 | 75.7 | 0.19 | 0.14 | 18.2 | 18.3 | 0.13 | 4.60 | 4.73 | — | 19,251 | 19,251 | 1.01 | 0.83 | 19,524 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Condo/Townhouse | 1.15 | 0.82 | 7.94 | 0.02 | 0.01 | 1.95 | 1.97 | 0.01 | 0.50 | 0.51 | — | 1,896 | 1,896 | 0.09 | 0.08 | 1,924 |
| Golf Course | 0.40 | 0.26 | 2.46 | 0.01 | < 0.005 | 0.57 | 0.57 | < 0.005 | 0.14 | 0.15 | — | 553 | 553 | 0.03 | 0.02 | 562 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Racquet Club | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hotel | 0.31 | 0.22 | 2.09 | 0.01 | < 0.005 | 0.51 | 0.51 | < 0.005 | 0.13 | 0.13 | — | 493 | 493 | 0.02 | 0.02 | 500 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quality Restaurant | 0.20 | 0.11 | 1.06 | < 0.005 | < 0.005 | 0.22 | 0.22 | < 0.005 | 0.06 | 0.06 | — | 219 | 219 | 0.01 | 0.01 | 223 |
| Single Family Housing | 0.03 | 0.02 | 0.21 | < 0.005 | < 0.005 | 0.05 | 0.05 | < 0.005 | 0.01 | 0.01 | — | 48.6 | 48.6 | < 0.005 | < 0.005 | 49.3 |
| Total | 2.11 | 1.43 | 13.8 | 0.03 | 0.03 | 3.30 | 3.32 | 0.02 | 0.84 | 0.86 | — | 3,209 | 3,209 | 0.16 | 0.14 | 3,257 |

### 4.1.2. Mitigated

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Condo/Townhouse | 6.51 | 4.17 | 46.1 | 0.12 | 0.08 | 10.8 | 10.8 | 0.08 | 2.73 | 2.80 | — | 11,898 | 11,898 | 0.54 | 0.45 | 12,075 |
| Golf Course | 2.29 | 1.30 | 14.1 | 0.03 | 0.02 | 3.11 | 3.14 | 0.02 | 0.79 | 0.81 | — | 3,470 | 3,470 | 0.17 | 0.14 | 3,524 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Racquet Club | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hotel | 1.77 | 1.10 | 12.1 | 0.03 | 0.02 | 2.79 | 2.81 | 0.02 | 0.71 | 0.73 | — | 3,092 | 3,092 | 0.14 | 0.12 | 3,139 |
| Quality Restaurant | 1.14 | 0.57 | 5.97 | 0.01 | 0.01 | 1.22 | 1.23 | 0.01 | 0.31 | 0.32 | — | 1,374 | 1,374 | 0.08 | 0.06 | 1,397 |
| Single Family Housing | 0.20 | 0.11 | 1.23 | < 0.005 | < 0.005 | 0.27 | 0.28 | < 0.005 | 0.07 | 0.07 | — | 305 | 305 | 0.02 | 0.01 | 309 |
| Total | 11.9 | 7.24 | 79.5 | 0.20 | 0.14 | 18.2 | 18.3 | 0.13 | 4.60 | 4.73 | — | 20,138 | 20,138 | 0.95 | 0.78 | 20,444 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Condo/To | 6.40 | 4.57 | 43.6 | 0.11 | 0.08 | 10.8 | 10.8 | 0.08 | 2.73 | 2.80 | — | 11,372 | 11,372 | 0.57 | 0.48 | 11,529 |
| Golf Course | 2.25 | 1.43 | 13.6 | 0.03 | 0.02 | 3.11 | 3.14 | 0.02 | 0.79 | 0.81 | — | 3,318 | 3,318 | 0.19 | 0.15 | 3,367 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Racquet Club | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hotel | 1.74 | 1.21 | 11.5 | 0.03 | 0.02 | 2.79 | 2.81 | 0.02 | 0.71 | 0.73 | — | 2,956 | 2,956 | 0.15 | 0.13 | 2,997 |
| Quality Restaurant | 1.12 | 0.62 | 5.90 | 0.01 | 0.01 | 1.22 | 1.23 | 0.01 | 0.31 | 0.32 | — | 1,315 | 1,315 | 0.09 | 0.06 | 1,336 |
| Single Family Housing | 0.19 | 0.12 | 1.18 | < 0.005 | < 0.005 | 0.27 | 0.28 | < 0.005 | 0.07 | 0.07 | — | 291 | 291 | 0.02 | 0.01 | 296 |
| Total | 11.7 | 7.96 | 75.7 | 0.19 | 0.14 | 18.2 | 18.3 | 0.13 | 4.60 | 4.73 | — | 19,251 | 19,251 | 1.01 | 0.83 | 19,524 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Condo/Townhouse | 1.15 | 0.82 | 7.94 | 0.02 | 0.01 | 1.95 | 1.97 | 0.01 | 0.50 | 0.51 | — | 1,896 | 1,896 | 0.09 | 0.08 | 1,924 |
| Golf Course | 0.40 | 0.26 | 2.46 | 0.01 | < 0.005 | 0.57 | 0.57 | < 0.005 | 0.14 | 0.15 | — | 553 | 553 | 0.03 | 0.02 | 562 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Racquet Club | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hotel | 0.31 | 0.22 | 2.09 | 0.01 | < 0.005 | 0.51 | 0.51 | < 0.005 | 0.13 | 0.13 | — | 493 | 493 | 0.02 | 0.02 | 500 |
| Quality Restaurant | 0.20 | 0.11 | 1.06 | < 0.005 | < 0.005 | 0.22 | 0.22 | < 0.005 | 0.06 | 0.06 | — | 219 | 219 | 0.01 | 0.01 | 223 |
| Single Family Housing | 0.03 | 0.02 | 0.21 | < 0.005 | < 0.005 | 0.05 | 0.05 | < 0.005 | 0.01 | 0.01 | — | 48.6 | 48.6 | < 0.005 | < 0.005 | 49.3 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | 2.11 | 1.43 | 13.8 | 0.03 | 0.03 | 3.30 | 3.32 | 0.02 | 0.84 | 0.86 | — | 3,209 | 3,209 | 0.16 | 0.14 | 3,257 |

## 4.2. Energy

### 4.2.1. Electricity Emissions By Land Use - Unmitigated

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Condo/Townhouse | — | — | — | — | — | — | — | — | — | — | — | 296 | 296 | 0.22 | 0.03 | 309 |
| Golf Course | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 12.4 | 12.4 | 0.01 | < 0.005 | 12.9 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Racquet Club | — | — | — | — | — | — | — | — | — | — | — | 100 | 100 | 0.07 | 0.01 | 104 |
| Hotel | — | — | — | — | — | — | — | — | — | — | — | 296 | 296 | 0.22 | 0.03 | 309 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | — | 16.2 | 16.2 | 0.01 | < 0.005 | 16.9 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | 10.7 | 10.7 | 0.01 | < 0.005 | 11.2 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 731 | 731 | 0.53 | 0.06 | 764 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Condo/Townhouse | — | — | — | — | — | — | — | — | — | — | — | 296 | 296 | 0.22 | 0.03 | 309 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Golf Course | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 12.4 | 12.4 | 0.01 | < 0.005 | 12.9 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Racquet Club | — | — | — | — | — | — | — | — | — | — | — | 100 | 100 | 0.07 | 0.01 | 104 |
| Hotel | — | — | — | — | — | — | — | — | — | — | — | 296 | 296 | 0.22 | 0.03 | 309 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | — | 16.2 | 16.2 | 0.01 | < 0.005 | 16.9 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | 10.7 | 10.7 | 0.01 | < 0.005 | 11.2 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 731 | 731 | 0.53 | 0.06 | 764 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Condo/Townhouse | — | — | — | — | — | — | — | — | — | — | — | 49.0 | 49.0 | 0.04 | < 0.005 | 51.2 |
| Golf Course | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 2.05 | 2.05 | < 0.005 | < 0.005 | 2.14 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Racquet Club | — | — | — | — | — | — | — | — | — | — | — | 16.6 | 16.6 | 0.01 | < 0.005 | 17.3 |
| Hotel | — | — | — | — | — | — | — | — | — | — | — | 48.9 | 48.9 | 0.04 | < 0.005 | 51.1 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | — | 2.68 | 2.68 | < 0.005 | < 0.005 | 2.80 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | 1.78 | 1.78 | < 0.005 | < 0.005 | 1.86 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 121 | 121 | 0.09 | 0.01 | 126 |

## 4.2.2. Electricity Emissions By Land Use - Mitigated

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Condo/Townhouse | — | — | — | — | — | — | — | — | — | — | — | 279 | 279 | 0.20 | 0.02 | 292 |
| Golf Course | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 12.4 | 12.4 | 0.01 | < 0.005 | 12.9 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Racquet Club | — | — | — | — | — | — | — | — | — | — | — | 100 | 100 | 0.07 | 0.01 | 104 |
| Hotel | — | — | — | — | — | — | — | — | — | — | — | 278 | 278 | 0.20 | 0.02 | 291 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | — | 14.0 | 14.0 | 0.01 | < 0.005 | 14.7 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | 10.3 | 10.3 | 0.01 | < 0.005 | 10.8 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 694 | 694 | 0.51 | 0.06 | 725 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Condo/Townhouse | — | — | — | — | — | — | — | — | — | — | — | 279 | 279 | 0.20 | 0.02 | 292 |
| Golf Course | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 12.4 | 12.4 | 0.01 | < 0.005 | 12.9 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Racquet Club | — | — | — | — | — | — | — | — | — | — | — | 100 | 100 | 0.07 | 0.01 | 104 |
| Hotel | — | — | — | — | — | — | — | — | — | — | — | 278 | 278 | 0.20 | 0.02 | 291 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | — | 14.0 | 14.0 | 0.01 | < 0.005 | 14.7 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | 10.3 | 10.3 | 0.01 | < 0.005 | 10.8 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 694 | 694 | 0.51 | 0.06 | 725 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Condo/Townhouse | — | — | — | — | — | — | — | — | — | — | — | 46.2 | 46.2 | 0.03 | < 0.005 | 48.3 |
| Golf Course | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 2.05 | 2.05 | < 0.005 | < 0.005 | 2.14 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Racquet Club | — | — | — | — | — | — | — | — | — | — | — | 16.6 | 16.6 | 0.01 | < 0.005 | 17.3 |
| Hotel | — | — | — | — | — | — | — | — | — | — | — | 46.1 | 46.1 | 0.03 | < 0.005 | 48.2 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | — | 2.32 | 2.32 | < 0.005 | < 0.005 | 2.43 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | 1.71 | 1.71 | < 0.005 | < 0.005 | 1.78 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 115 | 115 | 0.08 | 0.01 | 120 |

### 4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Condo/Townhouse | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Golf Course | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Racquet Club | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hotel | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Quality Restaurant | 0.01 | 0.11 | 0.09 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 132 | 132 | 0.01 | < 0.005 | 133 |
| Single Family Housing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total | 0.01 | 0.11 | 0.09 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 132 | 132 | 0.01 | < 0.005 | 133 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Condo/Townhouse | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Golf Course | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Racquet Club | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hotel | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Quality Restaurant | 0.01 | 0.11 | 0.09 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 132 | 132 | 0.01 | < 0.005 | 133 |
| Single Family Housing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total | 0.01 | 0.11 | 0.09 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 132 | 132 | 0.01 | < 0.005 | 133 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Condo/Townhouse | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Golf Course | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Racquet Club | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hotel | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Quality Restaurant | < 0.005 | 0.02 | 0.02 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 21.9 | 21.9 | < 0.005 | < 0.005 | 22.0 |
| Single Family Housing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total | < 0.005 | 0.02 | 0.02 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 21.9 | 21.9 | < 0.005 | < 0.005 | 22.0 |

### 4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Condo/Townhouse | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Golf Course | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Racquet Club | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hotel | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Quality Restaurant | 0.01 | 0.11 | 0.09 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 132 | 132 | 0.01 | < 0.005 | 133 |
| Single Family Housing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total | 0.01 | 0.11 | 0.09 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 132 | 132 | 0.01 | < 0.005 | 133 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Condo/Townhouse | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Golf Course | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Racquet Club | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hotel | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Quality Restaurant | 0.01 | 0.11 | 0.09 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 132 | 132 | 0.01 | < 0.005 | 133 |
| Single Family Housing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total | 0.01 | 0.11 | 0.09 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 132 | 132 | 0.01 | < 0.005 | 133 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Condo/Townhouse | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Golf Course | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Racquet Club | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hotel | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Quality Restaurant | < 0.005 | 0.02 | 0.02 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 21.9 | 21.9 | < 0.005 | < 0.005 | 22.0 |
| Single Family Housing | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total | < 0.005 | 0.02 | 0.02 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 21.9 | 21.9 | < 0.005 | < 0.005 | 22.0 |

## 4.3. Area Emissions by Source

### 4.3.1. Unmitigated

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

| Source | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Hearths | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Consumer Products | 10.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.62 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 0.74 | 0.19 | 38.3 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 79.3 | 79.3 | < 0.005 | < 0.005 | 79.6 |
| Total | 11.8 | 0.19 | 38.3 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 0.00 | 79.3 | 79.3 | < 0.005 | < 0.005 | 79.6 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Hearths | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Consumer Products | 10.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.62 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 0.74 | 0.19 | 38.3 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 79.3 | 79.3 | < 0.005 | < 0.005 | 79.6 |
| Total | 11.8 | 0.19 | 38.3 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 0.00 | 79.3 | 79.3 | < 0.005 | < 0.005 | 79.6 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Hearths | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Consumer Products | 1.90 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Architectural | 0.11 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 0.09 | 0.02 | 4.90 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 9.22 | 9.22 | < 0.005 | < 0.005 | 9.26 |
| Total | 2.11 | 0.02 | 4.90 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 0.00 | 9.22 | 9.22 | < 0.005 | < 0.005 | 9.26 |

### 4.3.2. Mitigated

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

| Source | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Hearths | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Consumer Products | 10.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.62 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 0.74 | 0.19 | 38.3 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 79.3 | 79.3 | < 0.005 | < 0.005 | 79.6 |
| Total | 11.8 | 0.19 | 38.3 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 0.00 | 79.3 | 79.3 | < 0.005 | < 0.005 | 79.6 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Hearths | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Consumer Products | 10.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Architectural Coatings | 0.62 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 0.74 | 0.19 | 38.3 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 79.3 | 79.3 | < 0.005 | < 0.005 | 79.6 |
| Total | 11.8 | 0.19 | 38.3 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 0.00 | 79.3 | 79.3 | < 0.005 | < 0.005 | 79.6 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Hearths | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Consumer Products | 1.90 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.11 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 0.09 | 0.02 | 4.90 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 9.22 | 9.22 | < 0.005 | < 0.005 | 9.26 |
| Total | 2.11 | 0.02 | 4.90 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | 0.00 | 9.22 | 9.22 | < 0.005 | < 0.005 | 9.26 |

## 4.4. Water Emissions by Land Use

### 4.4.1. Unmitigated

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Condo/Townhouse | — | — | — | — | — | — | — | — | — | — | 15.9 | 7.93 | 23.8 | 1.63 | 0.04 | 76.4 |
| Golf Course | — | — | — | — | — | — | — | — | — | — | 0.00 | 98.6 | 98.6 | 0.07 | 0.01 | 103 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Racquet Club | — | — | — | — | — | — | — | — | — | — | 2.64 | 1.16 | 3.80 | 0.27 | 0.01 | 12.6 |
| Hotel | — | — | — | — | — | — | — | — | — | — | 2.53 | 2.02 | 4.54 | 0.26 | 0.01 | 12.9 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 2.14 | 0.94 | 3.08 | 0.22 | 0.01 | 10.1 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 0.40 | 1.02 | 1.42 | 0.04 | < 0.005 | 2.80 |
| Total | — | — | — | — | — | — | — | — | — | — | 23.6 | 112 | 135 | 2.50 | 0.07 | 218 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Condo/Townhouse | — | — | — | — | — | — | — | — | — | — | 15.9 | 7.93 | 23.8 | 1.63 | 0.04 | 76.4 |
| Golf Course | — | — | — | — | — | — | — | — | — | — | 0.00 | 98.6 | 98.6 | 0.07 | 0.01 | 103 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Racquet Club | — | — | — | — | — | — | — | — | — | — | 2.64 | 1.16 | 3.80 | 0.27 | 0.01 | 12.6 |
| Hotel | — | — | — | — | — | — | — | — | — | — | 2.53 | 2.02 | 4.54 | 0.26 | 0.01 | 12.9 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 2.14 | 0.94 | 3.08 | 0.22 | 0.01 | 10.1 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 0.40 | 1.02 | 1.42 | 0.04 | < 0.005 | 2.80 |
| Total | — | — | — | — | — | — | — | — | — | — | 23.6 | 112 | 135 | 2.50 | 0.07 | 218 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Condo/Townhouse | — | — | — | — | — | — | — | — | — | — | 2.63 | 1.31 | 3.94 | 0.27 | 0.01 | 12.7 |
| Golf Course | — | — | — | — | — | — | — | — | — | — | 0.00 | 16.3 | 16.3 | 0.01 | < 0.005 | 17.1 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Racquet Club | — | — | — | — | — | — | — | — | — | — | 0.44 | 0.19 | 0.63 | 0.05 | < 0.005 | 2.08 |
| Hotel | — | — | — | — | — | — | — | — | — | — | 0.42 | 0.33 | 0.75 | 0.04 | < 0.005 | 2.14 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 0.35 | 0.16 | 0.51 | 0.04 | < 0.005 | 1.68 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 0.07 | 0.17 | 0.24 | 0.01 | < 0.005 | 0.46 |
| Total | — | — | — | — | — | — | — | — | — | — | 3.91 | 18.5 | 22.4 | 0.41 | 0.01 | 36.1 |

### 4.4.2. Mitigated

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Condo/Townhouse | — | — | — | — | — | — | — | — | — | — | 13.1 | 6.73 | 19.9 | 1.35 | 0.03 | 63.4 |
| Golf Course | — | — | — | — | — | — | — | — | — | — | 0.00 | 98.6 | 98.6 | 0.07 | 0.01 | 103 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Racquet Club | — | — | — | — | — | — | — | — | — | — | 2.34 | 1.03 | 3.37 | 0.24 | 0.01 | 11.1 |
| Hotel | — | — | — | — | — | — | — | — | — | — | 2.23 | 1.88 | 4.11 | 0.23 | 0.01 | 11.5 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 1.93 | 0.85 | 2.78 | 0.20 | < 0.005 | 9.16 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 0.33 | 0.99 | 1.32 | 0.03 | < 0.005 | 2.46 |
| Total | — | — | — | — | — | — | — | — | — | — | 20.0 | 110 | 130 | 2.13 | 0.06 | 201 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Condo/Townhouse | — | — | — | — | — | — | — | — | — | — | 13.1 | 6.73 | 19.9 | 1.35 | 0.03 | 63.4 |
| Golf Course | — | — | — | — | — | — | — | — | — | — | 0.00 | 98.6 | 98.6 | 0.07 | 0.01 | 103 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Racquet Club | — | — | — | — | — | — | — | — | — | — | 2.34 | 1.03 | 3.37 | 0.24 | 0.01 | 11.1 |
| Hotel | — | — | — | — | — | — | — | — | — | — | 2.23 | 1.88 | 4.11 | 0.23 | 0.01 | 11.5 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 1.93 | 0.85 | 2.78 | 0.20 | < 0.005 | 9.16 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 0.33 | 0.99 | 1.32 | 0.03 | < 0.005 | 2.46 |
| Total | — | — | — | — | — | — | — | — | — | — | 20.0 | 110 | 130 | 2.13 | 0.06 | 201 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Condo/Townhouse | — | — | — | — | — | — | — | — | — | — | 2.18 | 1.11 | 3.29 | 0.22 | 0.01 | 10.5 |
| Golf Course | — | — | — | — | — | — | — | — | — | — | 0.00 | 16.3 | 16.3 | 0.01 | < 0.005 | 17.1 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Racquet Club | — | — | — | — | — | — | — | — | — | — | 0.39 | 0.17 | 0.56 | 0.04 | < 0.005 | 1.84 |
| Hotel | — | — | — | — | — | — | — | — | — | — | 0.37 | 0.31 | 0.68 | 0.04 | < 0.005 | 1.91 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 0.32 | 0.14 | 0.46 | 0.03 | < 0.005 | 1.52 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 0.06 | 0.16 | 0.22 | 0.01 | < 0.005 | 0.41 |
| Total | — | — | — | — | — | — | — | — | — | — | 3.31 | 18.2 | 21.5 | 0.35 | 0.01 | 33.2 |

## 4.5. Waste Emissions by Land Use

### 4.5.1. Unmitigated

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Condo/Townhouse | — | — | — | — | — | — | — | — | — | — | 94.0 | 0.00 | 94.0 | 9.39 | 0.00 | 329 |
| Golf Course | — | — | — | — | — | — | — | — | — | — | 52.1 | 0.00 | 52.1 | 5.21 | 0.00 | 182 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Racquet Club | — | — | — | — | — | — | — | — | — | — | 71.7 | 0.00 | 71.7 | 7.16 | 0.00 | 251 |
| Hotel | — | — | — | — | — | — | — | — | — | — | 15.3 | 0.00 | 15.3 | 1.53 | 0.00 | 53.7 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 1.81 | 0.00 | 1.81 | 0.18 | 0.00 | 6.32 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 2.17 | 0.00 | 2.17 | 0.22 | 0.00 | 7.60 |
| Total | — | — | — | — | — | — | — | — | — | — | 237 | 0.00 | 237 | 23.7 | 0.00 | 830 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Condo/Townhouse | — | — | — | — | — | — | — | — | — | — | 94.0 | 0.00 | 94.0 | 9.39 | 0.00 | 329 |
| Golf Course | — | — | — | — | — | — | — | — | — | — | 52.1 | 0.00 | 52.1 | 5.21 | 0.00 | 182 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Racquet Club | — | — | — | — | — | — | — | — | — | — | 71.7 | 0.00 | 71.7 | 7.16 | 0.00 | 251 |
| Hotel | — | — | — | — | — | — | — | — | — | — | 15.3 | 0.00 | 15.3 | 1.53 | 0.00 | 53.7 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 1.81 | 0.00 | 1.81 | 0.18 | 0.00 | 6.32 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 2.17 | 0.00 | 2.17 | 0.22 | 0.00 | 7.60 |
| Total | — | — | — | — | — | — | — | — | — | — | 237 | 0.00 | 237 | 23.7 | 0.00 | 830 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Condo/Townhouse | — | — | — | — | — | — | — | — | — | — | 15.6 | 0.00 | 15.6 | 1.56 | 0.00 | 54.4 |
| Golf Course | — | — | — | — | — | — | — | — | — | — | 8.63 | 0.00 | 8.63 | 0.86 | 0.00 | 30.2 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Racquet Club | — | — | — | — | — | — | — | — | — | — | 11.9 | 0.00 | 11.9 | 1.19 | 0.00 | 41.5 |
| Hotel | — | — | — | — | — | — | — | — | — | — | 2.54 | 0.00 | 2.54 | 0.25 | 0.00 | 8.89 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 0.30 | 0.00 | 0.30 | 0.03 | 0.00 | 1.05 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 0.36 | 0.00 | 0.36 | 0.04 | 0.00 | 1.26 |
| Total | — | — | — | — | — | — | — | — | — | — | 39.3 | 0.00 | 39.3 | 3.92 | 0.00 | 137 |

### 4.5.2. Mitigated

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Condo/Townhouse | — | — | — | — | — | — | — | — | — | — | 70.5 | 0.00 | 70.5 | 7.05 | 0.00 | 247 |
| Golf Course | — | — | — | — | — | — | — | — | — | — | 39.1 | 0.00 | 39.1 | 3.91 | 0.00 | 137 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Racquet Club | — | — | — | — | — | — | — | — | — | — | 53.7 | 0.00 | 53.7 | 5.37 | 0.00 | 188 |
| Hotel | — | — | — | — | — | — | — | — | — | — | 11.5 | 0.00 | 11.5 | 1.15 | 0.00 | 40.3 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 1.36 | 0.00 | 1.36 | 0.14 | 0.00 | 4.74 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 1.63 | 0.00 | 1.63 | 0.16 | 0.00 | 5.70 |
| Total | — | — | — | — | — | — | — | — | — | — | 178 | 0.00 | 178 | 17.8 | 0.00 | 622 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Condo/Townhouse | — | — | — | — | — | — | — | — | — | — | 70.5 | 0.00 | 70.5 | 7.05 | 0.00 | 247 |
| Golf Course | — | — | — | — | — | — | — | — | — | — | 39.1 | 0.00 | 39.1 | 3.91 | 0.00 | 137 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Racquet Club | — | — | — | — | — | — | — | — | — | — | 53.7 | 0.00 | 53.7 | 5.37 | 0.00 | 188 |
| Hotel | — | — | — | — | — | — | — | — | — | — | 11.5 | 0.00 | 11.5 | 1.15 | 0.00 | 40.3 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 1.36 | 0.00 | 1.36 | 0.14 | 0.00 | 4.74 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 1.63 | 0.00 | 1.63 | 0.16 | 0.00 | 5.70 |
| Total | — | — | — | — | — | — | — | — | — | — | 178 | 0.00 | 178 | 17.8 | 0.00 | 622 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Condo/Townhouse | — | — | — | — | — | — | — | — | — | — | 11.7 | 0.00 | 11.7 | 1.17 | 0.00 | 40.8 |
| Golf Course | — | — | — | — | — | — | — | — | — | — | 6.47 | 0.00 | 6.47 | 0.65 | 0.00 | 22.6 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Racquet Club | — | — | — | — | — | — | — | — | — | — | 8.90 | 0.00 | 8.90 | 0.89 | 0.00 | 31.1 |
| Hotel | — | — | — | — | — | — | — | — | — | — | 1.91 | 0.00 | 1.91 | 0.19 | 0.00 | 6.67 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | 0.22 | 0.00 | 0.22 | 0.02 | 0.00 | 0.79 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | 0.27 | 0.00 | 0.27 | 0.03 | 0.00 | 0.94 |
| Total | — | — | — | — | — | — | — | — | — | — | 29.4 | 0.00 | 29.4 | 2.94 | 0.00 | 103 |

## 4.6. Refrigerant Emissions by Land Use

### 4.6.1. Unmitigated

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Condo/Townhouse | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1.79 |
| Golf Course | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Racquet Club | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.11 |
| Hotel | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 118 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 5.74 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.08 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 126 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Condo/Townhouse | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1.79 |
| Golf Course | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Racquet Club | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.11 |
| Hotel | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 118 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 5.74 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.08 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 126 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Condo/Townhouse | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.30 |
| Golf Course | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Racquet Club | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.02 |
| Hotel | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 19.5 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.95 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.01 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 20.8 |

## 4.6.2. Mitigated

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Condo/Townhouse | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1.79 |
| Golf Course | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Racquet Club | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.11 |
| Hotel | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 118 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 5.74 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.08 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 126 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Condo/Townhouse | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1.79 |
| Golf Course | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Racquet Club | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.11 |
| Hotel | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 118 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 5.74 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.08 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 126 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Condo/Townhouse | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.30 |
| Golf Course | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 |
| Racquet Club | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.02 |
| Hotel | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 19.5 |
| Quality Restaurant | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.95 |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.01 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 20.8 |

## 4.7. Offroad Emissions By Equipment Type

### 4.7.1. Unmitigated

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

| Equipment Type | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

### 4.7.2. Mitigated

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

| Equipment Type | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.8. Stationary Emissions By Equipment Type

### 4.8.1. Unmitigated

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

| Equipment Type | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

### 4.8.2. Mitigated

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

| Equipment Type | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.9. User Defined Emissions By Equipment Type

### 4.9.1. Unmitigated

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

| Equipment Type | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

### 4.9.2. Mitigated

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

| Equipment Type | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.10. Soil Carbon Accumulation By Vegetation Type

### 4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

| Vegetation | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

### 4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

| Vegetation | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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

### 4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

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

| Land Use | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | BCO2 | NBCO2 | CO2T | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

# 5. Activity Data

## 5.1. Construction Schedule

| Phase Name | Phase Type | Start Date | End Date | Days Per Week | Work Days per Phase | Phase Description |
|---|---|---|---|---|---|---|

| | | | | | | |
|---|---|---|---|---|---|---|
| NAR-Demolition | Demolition | 7/1/2026 | 9/8/2026 | 5.00 | 50.0 | — |
| Project import | Site Preparation | 8/4/2025 | 2/6/2026 | 5.00 | 135 | — |
| Hotel/Golf Course-Grading Excavation | Site Preparation | 8/1/2026 | 4/28/2027 | 5.00 | 193 | — |
| NAR-Grading | Grading | 8/1/2026 | 11/6/2026 | 5.00 | 70.0 | — |
| WAR-Grading | Grading | 8/1/2026 | 10/23/2026 | 5.00 | 60.0 | — |
| Hotel/Golf Course-Grading | Grading | 3/24/2027 | 11/30/2027 | 5.00 | 180 | — |
| NAR-Building Construction | Building Construction | 5/1/2027 | 1/12/2029 | 5.00 | 445 | — |
| WAR-Building Construction | Building Construction | 5/1/2027 | 12/3/2028 | 5.00 | 415 | — |
| Hotel/Golf Course-Clubhouse Construction | Building Construction | 12/1/2027 | 4/29/2028 | 5.00 | 108 | — |
| Hotel/Golf Course - Hotel Construction | Building Construction | 4/9/2028 | 11/15/2028 | 5.00 | 158 | — |
| Project Paving | Paving | 7/13/2027 | 1/14/2028 | 5.00 | 134 | — |
| NAR-Architectural Coating | Architectural Coating | 8/1/2028 | 1/12/2029 | 5.00 | 119 | — |
| WAR-Architectural Coating | Architectural Coating | 9/1/2028 | 12/3/2028 | 5.00 | 66.0 | — |
| Hotel/Golf Course-Clubhouse Architectural Coa | Architectural Coating | 3/1/2028 | 3/29/2028 | 5.00 | 21.0 | — |
| Hotel/Golf Course-Hotel Architectural Coating | Architectural Coating | 11/20/2028 | 12/26/2028 | 5.00 | 27.0 | — |
| NAR - Wet Utilities | Trenching | 11/10/2026 | 7/12/2027 | 5.00 | 175 | — |
| NAR - Dry Utilities | Trenching | 2/27/2027 | 8/24/2027 | 5.00 | 127 | — |
| WAR - Wet Utilities | Trenching | 11/10/2026 | 4/26/2027 | 5.00 | 120 | — |
| WAR - Dry Utilities | Trenching | 2/27/2027 | 7/16/2027 | 5.00 | 100 | — |
| Hotel/Golf Course-Finish | Trenching | 4/2/2028 | 6/6/2028 | 5.00 | 47.0 | — |

## 5.2. Off-Road Equipment

### 5.2.1. Unmitigated

| Phase Name | Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|---|---|---|---|---|---|---|---|
| NAR-Demolition | Concrete/Industrial Saws | Diesel | Average | 1.00 | 4.00 | 33.0 | 0.73 |
| NAR-Demolition | Excavators | Diesel | Average | 1.00 | 4.00 | 36.0 | 0.38 |
| NAR-Demolition | Crawler Tractors | Diesel | Average | 1.00 | 4.00 | 87.0 | 0.43 |
| Project import | Crawler Tractors | Diesel | Average | 1.00 | 6.00 | 87.0 | 0.43 |
| Hotel/Golf Course-Grading Excavation | Rubber Tired Dozers | Diesel | Average | 1.00 | 2.00 | 367 | 0.40 |
| Hotel/Golf Course-Grading Excavation | Graders | Diesel | Average | 1.00 | 2.00 | 148 | 0.41 |
| Hotel/Golf Course-Grading Excavation | Scrapers | Diesel | Average | 1.00 | 8.00 | 423 | 0.48 |
| Hotel/Golf Course-Grading Excavation | Crawler Tractors | Diesel | Average | 1.00 | 3.00 | 87.0 | 0.43 |
| NAR-Grading | Graders | Diesel | Average | 1.00 | 4.00 | 148 | 0.41 |
| NAR-Grading | Rubber Tired Dozers | Diesel | Average | 1.00 | 4.00 | 367 | 0.40 |
| NAR-Grading | Scrapers | Diesel | Average | 2.00 | 4.00 | 423 | 0.48 |
| NAR-Grading | Crawler Tractors | Diesel | Average | 2.00 | 4.00 | 87.0 | 0.43 |
| WAR-Grading | Graders | Diesel | Average | 1.00 | 4.00 | 148 | 0.41 |
| WAR-Grading | Rubber Tired Dozers | Diesel | Average | 1.00 | 4.00 | 367 | 0.40 |
| WAR-Grading | Scrapers | Diesel | Average | 2.00 | 4.00 | 423 | 0.48 |
| WAR-Grading | Crawler Tractors | Diesel | Average | 2.00 | 4.00 | 87.0 | 0.43 |
| Hotel/Golf Course-Grading | Graders | Diesel | Average | 1.00 | 4.00 | 148 | 0.41 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Hotel/Golf Course-Grading | Rubber Tired Dozers | Diesel | Average | 1.00 | 4.00 | 367 | 0.40 |
| Hotel/Golf Course-Grading | Scrapers | Diesel | Average | 2.00 | 4.00 | 423 | 0.48 |
| Hotel/Golf Course-Grading | Crawler Tractors | Diesel | Average | 2.00 | 4.00 | 87.0 | 0.43 |
| NAR-Building Construction | Forklifts | Diesel | Average | 2.00 | 4.00 | 82.0 | 0.20 |
| NAR-Building Construction | Tractors/Loaders/Backhoes | Diesel | Average | 2.00 | 7.00 | 84.0 | 0.37 |
| NAR-Building Construction | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| NAR-Building Construction | Rough Terrain Forklifts | Diesel | Average | 1.00 | 4.00 | 96.0 | 0.40 |
| WAR-Building Construction | Forklifts | Diesel | Average | 2.00 | 4.00 | 82.0 | 0.20 |
| WAR-Building Construction | Tractors/Loaders/Backhoes | Diesel | Average | 2.00 | 7.00 | 84.0 | 0.37 |
| WAR-Building Construction | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| WAR-Building Construction | Rough Terrain Forklifts | Diesel | Average | 1.00 | 4.00 | 96.0 | 0.40 |
| Hotel/Golf Course-Clubhouse Construction | Cranes | Diesel | Average | 1.00 | 7.00 | 367 | 0.29 |
| Hotel/Golf Course-Clubhouse Construction | Forklifts | Diesel | Average | 1.00 | 4.00 | 82.0 | 0.20 |
| Hotel/Golf Course-Clubhouse Construction | Tractors/Loaders/Backhoes | Diesel | Average | 2.00 | 7.00 | 84.0 | 0.37 |
| Hotel/Golf Course-Clubhouse Construction | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Hotel/Golf Course-Clubhouse Construction | Rough Terrain Forklifts | Diesel | Average | 1.00 | 4.00 | 96.0 | 0.40 |
| Hotel/Golf Course - Hotel Construction | Cranes | Diesel | Average | 1.00 | 7.00 | 367 | 0.29 |
| Hotel/Golf Course - Hotel Construction | Forklifts | Diesel | Average | 1.00 | 4.00 | 82.0 | 0.20 |
| Hotel/Golf Course - Hotel Construction | Tractors/Loaders/Backhoes | Diesel | Average | 2.00 | 7.00 | 84.0 | 0.37 |
| Hotel/Golf Course - Hotel Construction | Welders | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Hotel/Golf Course - Hotel Construction | Rough Terrain Forklifts | Diesel | Average | 1.00 | 4.00 | 96.0 | 0.40 |
| Project Paving | Pavers | Diesel | Average | 2.00 | 8.00 | 81.0 | 0.42 |
| Project Paving | Paving Equipment | Diesel | Average | 2.00 | 8.00 | 89.0 | 0.36 |
| Project Paving | Rollers | Diesel | Average | 2.00 | 8.00 | 36.0 | 0.38 |
| NAR-Architectural Coating | Air Compressors | Electric | Average | 1.00 | 6.00 | 37.0 | 0.48 |
| WAR-Architectural Coating | Air Compressors | Electric | Average | 1.00 | 6.00 | 37.0 | 0.48 |
| Hotel/Golf Course-Clubhouse Architectural Coa | Air Compressors | Electric | Average | 1.00 | 6.00 | 37.0 | 0.48 |
| Hotel/Golf Course-Hotel Architectural Coating | Air Compressors | Electric | Average | 1.00 | 6.00 | 37.0 | 0.48 |
| NAR - Wet Utilities | Excavators | Diesel | Average | 2.00 | 8.00 | 36.0 | 0.38 |
| NAR - Wet Utilities | Tractors/Loaders/Backhoes | Diesel | Average | 2.00 | 8.00 | 84.0 | 0.37 |
| NAR - Wet Utilities | Rubber Tired Loaders | Diesel | Average | 2.00 | 6.00 | 150 | 0.36 |
| NAR - Dry Utilities | Skid Steer Loaders | Diesel | Average | 1.00 | 8.00 | 71.0 | 0.37 |
| NAR - Dry Utilities | Rollers | Diesel | Average | 1.00 | 8.00 | 36.0 | 0.38 |
| NAR - Dry Utilities | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| WAR - Wet Utilities | Excavators | Diesel | Average | 2.00 | 8.00 | 36.0 | 0.38 |
| WAR - Wet Utilities | Tractors/Loaders/Backhoes | Diesel | Average | 2.00 | 8.00 | 84.0 | 0.37 |
| WAR - Wet Utilities | Rubber Tired Loaders | Diesel | Average | 2.00 | 6.00 | 150 | 0.36 |
| WAR - Dry Utilities | Skid Steer Loaders | Diesel | Average | 1.00 | 8.00 | 71.0 | 0.37 |
| WAR - Dry Utilities | Rollers | Diesel | Average | 1.00 | 8.00 | 36.0 | 0.38 |
| WAR - Dry Utilities | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Hotel/Golf Course-Finish | Graders | Diesel | Average | 1.00 | 8.00 | 148 | 0.41 |
| Hotel/Golf Course-Finish | Crawler Tractors | Diesel | Average | 1.00 | 8.00 | 87.0 | 0.43 |
| Hotel/Golf Course-Finish | Scrapers | Diesel | Average | 1.00 | 5.00 | 423 | 0.48 |

### 5.2.2. Mitigated

| Phase Name | Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|---|---|---|---|---|---|---|---|
| NAR-Demolition | Concrete/Industrial Saws | Diesel | Tier 4 Final | 1.00 | 4.00 | 33.0 | 0.73 |
| NAR-Demolition | Excavators | Diesel | Tier 4 Final | 1.00 | 4.00 | 36.0 | 0.38 |
| NAR-Demolition | Crawler Tractors | Diesel | Tier 4 Final | 1.00 | 4.00 | 87.0 | 0.43 |
| Project import | Crawler Tractors | Diesel | Tier 4 Final | 1.00 | 6.00 | 87.0 | 0.43 |
| Hotel/Golf Course-Grading Excavation | Rubber Tired Dozers | Diesel | Tier 4 Final | 1.00 | 2.00 | 367 | 0.40 |
| Hotel/Golf Course-Grading Excavation | Graders | Diesel | Tier 4 Final | 1.00 | 2.00 | 148 | 0.41 |
| Hotel/Golf Course-Grading Excavation | Scrapers | Diesel | Tier 4 Final | 1.00 | 8.00 | 423 | 0.48 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Hotel/Golf Course-Grading Excavation | Crawler Tractors | Diesel | Tier 4 Final | 1.00 | 3.00 | 87.0 | 0.43 |
| NAR-Grading | Graders | Diesel | Tier 4 Final | 1.00 | 4.00 | 148 | 0.41 |
| NAR-Grading | Rubber Tired Dozers | Diesel | Tier 4 Final | 1.00 | 4.00 | 367 | 0.40 |
| NAR-Grading | Scrapers | Diesel | Tier 4 Final | 2.00 | 4.00 | 423 | 0.48 |
| NAR-Grading | Crawler Tractors | Diesel | Tier 4 Final | 2.00 | 4.00 | 87.0 | 0.43 |
| WAR-Grading | Graders | Diesel | Tier 4 Final | 1.00 | 4.00 | 148 | 0.41 |
| WAR-Grading | Rubber Tired Dozers | Diesel | Tier 4 Final | 1.00 | 4.00 | 367 | 0.40 |
| WAR-Grading | Scrapers | Diesel | Tier 4 Final | 2.00 | 4.00 | 423 | 0.48 |
| WAR-Grading | Crawler Tractors | Diesel | Tier 4 Final | 2.00 | 4.00 | 87.0 | 0.43 |
| Hotel/Golf Course-Grading | Graders | Diesel | Tier 4 Final | 1.00 | 4.00 | 148 | 0.41 |
| Hotel/Golf Course-Grading | Rubber Tired Dozers | Diesel | Tier 4 Final | 1.00 | 4.00 | 367 | 0.40 |
| Hotel/Golf Course-Grading | Scrapers | Diesel | Tier 4 Final | 2.00 | 4.00 | 423 | 0.48 |
| Hotel/Golf Course-Grading | Crawler Tractors | Diesel | Tier 4 Final | 2.00 | 4.00 | 87.0 | 0.43 |
| NAR-Building Construction | Forklifts | Diesel | Tier 4 Final | 2.00 | 4.00 | 82.0 | 0.20 |
| NAR-Building Construction | Tractors/Loaders/Backhoes | Diesel | Tier 4 Final | 2.00 | 7.00 | 84.0 | 0.37 |
| NAR-Building Construction | Welders | Diesel | Tier 4 Final | 1.00 | 8.00 | 46.0 | 0.45 |
| NAR-Building Construction | Rough Terrain Forklifts | Diesel | Tier 4 Final | 1.00 | 4.00 | 96.0 | 0.40 |
| WAR-Building Construction | Forklifts | Diesel | Tier 4 Final | 2.00 | 4.00 | 82.0 | 0.20 |
| WAR-Building Construction | Tractors/Loaders/Backhoes | Diesel | Tier 4 Final | 2.00 | 7.00 | 84.0 | 0.37 |
| WAR-Building Construction | Welders | Diesel | Tier 4 Final | 1.00 | 8.00 | 46.0 | 0.45 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| WAR-Building Construction | Rough Terrain Forklifts | Diesel | Tier 4 Final | 1.00 | 4.00 | 96.0 | 0.40 |
| Hotel/Golf Course-Clubhouse Construction | Cranes | Diesel | Tier 4 Final | 1.00 | 7.00 | 367 | 0.29 |
| Hotel/Golf Course-Clubhouse Construction | Forklifts | Diesel | Tier 4 Final | 1.00 | 4.00 | 82.0 | 0.20 |
| Hotel/Golf Course-Clubhouse Construction | Tractors/Loaders/Backhoes | Diesel | Tier 4 Final | 2.00 | 7.00 | 84.0 | 0.37 |
| Hotel/Golf Course-Clubhouse Construction | Welders | Diesel | Tier 4 Final | 1.00 | 8.00 | 46.0 | 0.45 |
| Hotel/Golf Course-Clubhouse Construction | Rough Terrain Forklifts | Diesel | Tier 4 Final | 1.00 | 4.00 | 96.0 | 0.40 |
| Hotel/Golf Course - Hotel Construction | Cranes | Diesel | Tier 4 Final | 1.00 | 7.00 | 367 | 0.29 |
| Hotel/Golf Course - Hotel Construction | Forklifts | Diesel | Tier 4 Final | 1.00 | 4.00 | 82.0 | 0.20 |
| Hotel/Golf Course - Hotel Construction | Tractors/Loaders/Backhoes | Diesel | Tier 4 Final | 2.00 | 7.00 | 84.0 | 0.37 |
| Hotel/Golf Course - Hotel Construction | Welders | Diesel | Tier 4 Final | 1.00 | 8.00 | 46.0 | 0.45 |
| Hotel/Golf Course - Hotel Construction | Rough Terrain Forklifts | Diesel | Tier 4 Final | 1.00 | 4.00 | 96.0 | 0.40 |
| Project Paving | Pavers | Diesel | Tier 4 Final | 2.00 | 8.00 | 81.0 | 0.42 |
| Project Paving | Paving Equipment | Diesel | Tier 4 Final | 2.00 | 8.00 | 89.0 | 0.36 |
| Project Paving | Rollers | Diesel | Tier 4 Final | 2.00 | 8.00 | 36.0 | 0.38 |
| NAR-Architectural Coating | Air Compressors | Electric | Tier 4 Final | 1.00 | 6.00 | 37.0 | 0.48 |
| WAR-Architectural Coating | Air Compressors | Electric | Tier 4 Final | 1.00 | 6.00 | 37.0 | 0.48 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Hotel/Golf Course-Clubhouse Architectural Coa | Air Compressors | Electric | Tier 4 Final | 1.00 | 6.00 | 37.0 | 0.48 |
| Hotel/Golf Course-Hotel Architectural Coating | Air Compressors | Electric | Tier 4 Final | 1.00 | 6.00 | 37.0 | 0.48 |
| NAR - Wet Utilities | Excavators | Diesel | Tier 4 Final | 2.00 | 8.00 | 36.0 | 0.38 |
| NAR - Wet Utilities | Tractors/Loaders/Backhoes | Diesel | Tier 4 Final | 2.00 | 8.00 | 84.0 | 0.37 |
| NAR - Wet Utilities | Rubber Tired Loaders | Diesel | Tier 4 Final | 2.00 | 6.00 | 150 | 0.36 |
| NAR - Dry Utilities | Skid Steer Loaders | Diesel | Tier 4 Final | 1.00 | 8.00 | 71.0 | 0.37 |
| NAR - Dry Utilities | Rollers | Diesel | Tier 4 Final | 1.00 | 8.00 | 36.0 | 0.38 |
| NAR - Dry Utilities | Tractors/Loaders/Backhoes | Diesel | Tier 4 Final | 1.00 | 8.00 | 84.0 | 0.37 |
| WAR - Wet Utilities | Excavators | Diesel | Tier 4 Final | 2.00 | 8.00 | 36.0 | 0.38 |
| WAR - Wet Utilities | Tractors/Loaders/Backhoes | Diesel | Tier 4 Final | 2.00 | 8.00 | 84.0 | 0.37 |
| WAR - Wet Utilities | Rubber Tired Loaders | Diesel | Tier 4 Final | 2.00 | 6.00 | 150 | 0.36 |
| WAR - Dry Utilities | Skid Steer Loaders | Diesel | Tier 4 Final | 1.00 | 8.00 | 71.0 | 0.37 |
| WAR - Dry Utilities | Rollers | Diesel | Tier 4 Final | 1.00 | 8.00 | 36.0 | 0.38 |
| WAR - Dry Utilities | Tractors/Loaders/Backhoes | Diesel | Tier 4 Final | 1.00 | 8.00 | 84.0 | 0.37 |
| Hotel/Golf Course-Finish | Graders | Diesel | Tier 4 Final | 1.00 | 8.00 | 148 | 0.41 |
| Hotel/Golf Course-Finish | Crawler Tractors | Diesel | Tier 4 Final | 1.00 | 8.00 | 87.0 | 0.43 |
| Hotel/Golf Course-Finish | Scrapers | Diesel | Tier 4 Final | 1.00 | 5.00 | 423 | 0.48 |

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| NAR-Demolition | — | — | — | — |
| NAR-Demolition | Worker | 18.0 | 10.8 | LDA,LDT1,LDT2 |
| NAR-Demolition | Vendor | 6.00 | 7.30 | HHDT,MHDT |
| NAR-Demolition | Hauling | 46.0 | 20.0 | HHDT |
| NAR-Demolition | Onsite truck | — | — | HHDT |
| Project import | — | — | — | — |
| Project import | Worker | 18.0 | 10.8 | LDA,LDT1,LDT2 |
| Project import | Vendor | 6.00 | 7.30 | HHDT,MHDT |
| Project import | Hauling | 222 | 4.00 | HHDT |
| Project import | Onsite truck | — | — | HHDT |
| Hotel/Golf Course-Grading Excavation | — | — | — | — |
| Hotel/Golf Course-Grading Excavation | Worker | 16.0 | 10.8 | LDA,LDT1,LDT2 |
| Hotel/Golf Course-Grading Excavation | Vendor | 6.00 | 7.30 | HHDT,MHDT |
| Hotel/Golf Course-Grading Excavation | Hauling | 0.00 | 20.0 | HHDT |
| Hotel/Golf Course-Grading Excavation | Onsite truck | — | — | HHDT |
| NAR-Grading | — | — | — | — |
| NAR-Grading | Worker | 22.0 | 10.8 | LDA,LDT1,LDT2 |
| NAR-Grading | Vendor | 6.00 | 7.30 | HHDT,MHDT |
| NAR-Grading | Hauling | 0.00 | 20.0 | HHDT |
| NAR-Grading | Onsite truck | — | — | HHDT |
| WAR-Grading | — | — | — | — |
| WAR-Grading | Worker | 22.0 | 10.8 | LDA,LDT1,LDT2 |
| WAR-Grading | Vendor | 6.00 | 7.30 | HHDT,MHDT |
| WAR-Grading | Hauling | 0.00 | 20.0 | HHDT |

| | | | | |
|---|---|---|---|---|
| WAR-Grading | Onsite truck | — | — | HHDT |
| Hotel/Golf Course-Grading | — | — | — | — |
| Hotel/Golf Course-Grading | Worker | 22.0 | 10.8 | LDA,LDT1,LDT2 |
| Hotel/Golf Course-Grading | Vendor | 6.00 | 7.30 | HHDT,MHDT |
| Hotel/Golf Course-Grading | Hauling | 0.00 | 20.0 | HHDT |
| Hotel/Golf Course-Grading | Onsite truck | — | — | HHDT |
| NAR-Building Construction | — | — | — | — |
| NAR-Building Construction | Worker | 82.0 | 10.8 | LDA,LDT1,LDT2 |
| NAR-Building Construction | Vendor | 24.0 | 7.30 | HHDT,MHDT |
| NAR-Building Construction | Hauling | 0.00 | 20.0 | HHDT |
| NAR-Building Construction | Onsite truck | — | — | HHDT |
| WAR-Building Construction | — | — | — | — |
| WAR-Building Construction | Worker | 38.0 | 10.8 | LDA,LDT1,LDT2 |
| WAR-Building Construction | Vendor | 11.7 | 7.30 | HHDT,MHDT |
| WAR-Building Construction | Hauling | 0.00 | 20.0 | HHDT |
| WAR-Building Construction | Onsite truck | — | — | HHDT |
| Hotel/Golf Course-Clubhouse Construction | — | — | — | — |
| Hotel/Golf Course-Clubhouse Construction | Worker | 9.00 | 10.8 | LDA,LDT1,LDT2 |
| Hotel/Golf Course-Clubhouse Construction | Vendor | 4.00 | 7.30 | HHDT,MHDT |
| Hotel/Golf Course-Clubhouse Construction | Hauling | 0.00 | 20.0 | HHDT |
| Hotel/Golf Course-Clubhouse Construction | Onsite truck | — | — | HHDT |
| Hotel/Golf Course - Hotel Construction | — | — | — | — |
| Hotel/Golf Course - Hotel Construction | Worker | 14.0 | 10.8 | LDA,LDT1,LDT2 |

| | | | | |
|---|---|---|---|---|
| Hotel/Golf Course - Hotel Construction | Vendor | 4.00 | 7.30 | HHDT,MHDT |
| Hotel/Golf Course - Hotel Construction | Hauling | 0.00 | 20.0 | HHDT |
| Hotel/Golf Course - Hotel Construction | Onsite truck | — | — | HHDT |
| Project Paving | — | — | — | — |
| Project Paving | Worker | 18.0 | 10.8 | LDA,LDT1,LDT2 |
| Project Paving | Vendor | 6.00 | 7.30 | HHDT,MHDT |
| Project Paving | Hauling | 0.00 | 20.0 | HHDT |
| Project Paving | Onsite truck | — | — | HHDT |
| NAR-Architectural Coating | — | — | — | — |
| NAR-Architectural Coating | Worker | 16.0 | 10.8 | LDA,LDT1,LDT2 |
| NAR-Architectural Coating | Vendor | 6.00 | 7.30 | HHDT,MHDT |
| NAR-Architectural Coating | Hauling | 0.00 | 20.0 | HHDT |
| NAR-Architectural Coating | Onsite truck | — | — | HHDT |
| WAR-Architectural Coating | — | — | — | — |
| WAR-Architectural Coating | Worker | 8.00 | 10.8 | LDA,LDT1,LDT2 |
| WAR-Architectural Coating | Vendor | 6.00 | 7.30 | HHDT,MHDT |
| WAR-Architectural Coating | Hauling | 0.00 | 20.0 | HHDT |
| WAR-Architectural Coating | Onsite truck | — | — | HHDT |
| Hotel/Golf Course- Clubhouse Architectural Coa | — | — | — | — |
| Hotel/Golf Course- Clubhouse Architectural Coa | Worker | 2.00 | 10.8 | LDA,LDT1,LDT2 |
| Hotel/Golf Course- Clubhouse Architectural Coa | Vendor | 6.00 | 7.30 | HHDT,MHDT |
| Hotel/Golf Course- Clubhouse Architectural Coa | Hauling | 0.00 | 20.0 | HHDT |
| Hotel/Golf Course- Clubhouse Architectural Coa | Onsite truck | — | — | HHDT |

| | | | | |
|---|---|---|---|---|
| Hotel/Golf Course-Hotel Architectural Coating | — | — | — | — |
| Hotel/Golf Course-Hotel Architectural Coating | Worker | 3.00 | 10.8 | LDA,LDT1,LDT2 |
| Hotel/Golf Course-Hotel Architectural Coating | Vendor | 6.00 | 7.30 | HHDT,MHDT |
| Hotel/Golf Course-Hotel Architectural Coating | Hauling | 0.00 | 20.0 | HHDT |
| Hotel/Golf Course-Hotel Architectural Coating | Onsite truck | — | — | HHDT |
| NAR - Wet Utilities | — | — | — | — |
| NAR - Wet Utilities | Worker | 22.0 | 10.8 | LDA,LDT1,LDT2 |
| NAR - Wet Utilities | Vendor | 6.00 | 7.30 | HHDT,MHDT |
| NAR - Wet Utilities | Hauling | 0.00 | 20.0 | HHDT |
| NAR - Wet Utilities | Onsite truck | — | — | HHDT |
| NAR - Dry Utilities | — | — | — | — |
| NAR - Dry Utilities | Worker | 20.0 | 10.8 | LDA,LDT1,LDT2 |
| NAR - Dry Utilities | Vendor | 6.00 | 7.30 | HHDT,MHDT |
| NAR - Dry Utilities | Hauling | 0.00 | 20.0 | HHDT |
| NAR - Dry Utilities | Onsite truck | — | — | HHDT |
| WAR - Wet Utilities | — | — | — | — |
| WAR - Wet Utilities | Worker | 22.0 | 10.8 | LDA,LDT1,LDT2 |
| WAR - Wet Utilities | Vendor | 6.00 | 7.30 | HHDT,MHDT |
| WAR - Wet Utilities | Hauling | 0.00 | 20.0 | HHDT |
| WAR - Wet Utilities | Onsite truck | — | — | HHDT |
| WAR - Dry Utilities | — | — | — | — |
| WAR - Dry Utilities | Worker | 20.0 | 10.8 | LDA,LDT1,LDT2 |
| WAR - Dry Utilities | Vendor | 5.00 | 7.30 | HHDT,MHDT |
| WAR - Dry Utilities | Hauling | 0.00 | 20.0 | HHDT |
| WAR - Dry Utilities | Onsite truck | — | — | HHDT |

| | | | | |
|---|---|---|---|---|
| Hotel/Golf Course-Finish | — | — | — | — |
| Hotel/Golf Course-Finish | Worker | 12.0 | 10.8 | LDA,LDT1,LDT2 |
| Hotel/Golf Course-Finish | Vendor | 6.00 | 7.30 | HHDT,MHDT |
| Hotel/Golf Course-Finish | Hauling | 0.00 | 20.0 | HHDT |
| Hotel/Golf Course-Finish | Onsite truck | — | — | HHDT |

### 5.3.2. Mitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| NAR-Demolition | — | — | — | — |
| NAR-Demolition | Worker | 18.0 | 10.8 | LDA,LDT1,LDT2 |
| NAR-Demolition | Vendor | 6.00 | 7.30 | HHDT,MHDT |
| NAR-Demolition | Hauling | 46.0 | 20.0 | HHDT |
| NAR-Demolition | Onsite truck | — | — | HHDT |
| Project import | — | — | — | — |
| Project import | Worker | 18.0 | 10.8 | LDA,LDT1,LDT2 |
| Project import | Vendor | 6.00 | 7.30 | HHDT,MHDT |
| Project import | Hauling | 222 | 4.00 | HHDT |
| Project import | Onsite truck | — | — | HHDT |
| Hotel/Golf Course-Grading Excavation | — | — | — | — |
| Hotel/Golf Course-Grading Excavation | Worker | 16.0 | 10.8 | LDA,LDT1,LDT2 |
| Hotel/Golf Course-Grading Excavation | Vendor | 6.00 | 7.30 | HHDT,MHDT |
| Hotel/Golf Course-Grading Excavation | Hauling | 0.00 | 20.0 | HHDT |
| Hotel/Golf Course-Grading Excavation | Onsite truck | — | — | HHDT |
| NAR-Grading | — | — | — | — |
| NAR-Grading | Worker | 22.0 | 10.8 | LDA,LDT1,LDT2 |

| | | | | |
|---|---|---|---|---|
| NAR-Grading | Vendor | 6.00 | 7.30 | HHDT,MHDT |
| NAR-Grading | Hauling | 0.00 | 20.0 | HHDT |
| NAR-Grading | Onsite truck | — | — | HHDT |
| WAR-Grading | — | — | — | — |
| WAR-Grading | Worker | 22.0 | 10.8 | LDA,LDT1,LDT2 |
| WAR-Grading | Vendor | 6.00 | 7.30 | HHDT,MHDT |
| WAR-Grading | Hauling | 0.00 | 20.0 | HHDT |
| WAR-Grading | Onsite truck | — | — | HHDT |
| Hotel/Golf Course-Grading | — | — | — | — |
| Hotel/Golf Course-Grading | Worker | 22.0 | 10.8 | LDA,LDT1,LDT2 |
| Hotel/Golf Course-Grading | Vendor | 6.00 | 7.30 | HHDT,MHDT |
| Hotel/Golf Course-Grading | Hauling | 0.00 | 20.0 | HHDT |
| Hotel/Golf Course-Grading | Onsite truck | — | — | HHDT |
| NAR-Building Construction | — | — | — | — |
| NAR-Building Construction | Worker | 82.0 | 10.8 | LDA,LDT1,LDT2 |
| NAR-Building Construction | Vendor | 24.0 | 7.30 | HHDT,MHDT |
| NAR-Building Construction | Hauling | 0.00 | 20.0 | HHDT |
| NAR-Building Construction | Onsite truck | — | — | HHDT |
| WAR-Building Construction | — | — | — | — |
| WAR-Building Construction | Worker | 38.0 | 10.8 | LDA,LDT1,LDT2 |
| WAR-Building Construction | Vendor | 11.7 | 7.30 | HHDT,MHDT |
| WAR-Building Construction | Hauling | 0.00 | 20.0 | HHDT |
| WAR-Building Construction | Onsite truck | — | — | HHDT |
| Hotel/Golf Course-Clubhouse Construction | — | — | — | — |
| Hotel/Golf Course-Clubhouse Construction | Worker | 9.00 | 10.8 | LDA,LDT1,LDT2 |
| Hotel/Golf Course-Clubhouse Construction | Vendor | 4.00 | 7.30 | HHDT,MHDT |

| | | | | |
|---|---|---|---|---|
| Hotel/Golf Course-Clubhouse Construction | Hauling | 0.00 | 20.0 | HHDT |
| Hotel/Golf Course-Clubhouse Construction | Onsite truck | — | — | HHDT |
| Hotel/Golf Course - Hotel Construction | — | — | — | — |
| Hotel/Golf Course - Hotel Construction | Worker | 14.0 | 10.8 | LDA,LDT1,LDT2 |
| Hotel/Golf Course - Hotel Construction | Vendor | 4.00 | 7.30 | HHDT,MHDT |
| Hotel/Golf Course - Hotel Construction | Hauling | 0.00 | 20.0 | HHDT |
| Hotel/Golf Course - Hotel Construction | Onsite truck | — | — | HHDT |
| Project Paving | — | — | — | — |
| Project Paving | Worker | 18.0 | 10.8 | LDA,LDT1,LDT2 |
| Project Paving | Vendor | 6.00 | 7.30 | HHDT,MHDT |
| Project Paving | Hauling | 0.00 | 20.0 | HHDT |
| Project Paving | Onsite truck | — | — | HHDT |
| NAR-Architectural Coating | — | — | — | — |
| NAR-Architectural Coating | Worker | 16.0 | 10.8 | LDA,LDT1,LDT2 |
| NAR-Architectural Coating | Vendor | 6.00 | 7.30 | HHDT,MHDT |
| NAR-Architectural Coating | Hauling | 0.00 | 20.0 | HHDT |
| NAR-Architectural Coating | Onsite truck | — | — | HHDT |
| WAR-Architectural Coating | — | — | — | — |
| WAR-Architectural Coating | Worker | 8.00 | 10.8 | LDA,LDT1,LDT2 |
| WAR-Architectural Coating | Vendor | 6.00 | 7.30 | HHDT,MHDT |
| WAR-Architectural Coating | Hauling | 0.00 | 20.0 | HHDT |
| WAR-Architectural Coating | Onsite truck | — | — | HHDT |
| Hotel/Golf Course- Clubhouse Architectural Coa | — | — | — | — |

| | | | | |
|---|---|---|---|---|
| Hotel/Golf Course- Clubhouse Architectural Coa | Worker | 2.00 | 10.8 | LDA,LDT1,LDT2 |
| Hotel/Golf Course- Clubhouse Architectural Coa | Vendor | 6.00 | 7.30 | HHDT,MHDT |
| Hotel/Golf Course- Clubhouse Architectural Coa | Hauling | 0.00 | 20.0 | HHDT |
| Hotel/Golf Course- Clubhouse Architectural Coa | Onsite truck | — | — | HHDT |
| Hotel/Golf Course-Hotel Architectural Coating | — | — | — | — |
| Hotel/Golf Course-Hotel Architectural Coating | Worker | 3.00 | 10.8 | LDA,LDT1,LDT2 |
| Hotel/Golf Course-Hotel Architectural Coating | Vendor | 6.00 | 7.30 | HHDT,MHDT |
| Hotel/Golf Course-Hotel Architectural Coating | Hauling | 0.00 | 20.0 | HHDT |
| Hotel/Golf Course-Hotel Architectural Coating | Onsite truck | — | — | HHDT |
| NAR - Wet Utilities | — | — | — | — |
| NAR - Wet Utilities | Worker | 22.0 | 10.8 | LDA,LDT1,LDT2 |
| NAR - Wet Utilities | Vendor | 6.00 | 7.30 | HHDT,MHDT |
| NAR - Wet Utilities | Hauling | 0.00 | 20.0 | HHDT |
| NAR - Wet Utilities | Onsite truck | — | — | HHDT |
| NAR - Dry Utilities | — | — | — | — |
| NAR - Dry Utilities | Worker | 20.0 | 10.8 | LDA,LDT1,LDT2 |
| NAR - Dry Utilities | Vendor | 6.00 | 7.30 | HHDT,MHDT |
| NAR - Dry Utilities | Hauling | 0.00 | 20.0 | HHDT |
| NAR - Dry Utilities | Onsite truck | — | — | HHDT |
| WAR - Wet Utilities | — | — | — | — |
| WAR - Wet Utilities | Worker | 22.0 | 10.8 | LDA,LDT1,LDT2 |
| WAR - Wet Utilities | Vendor | 6.00 | 7.30 | HHDT,MHDT |
| WAR - Wet Utilities | Hauling | 0.00 | 20.0 | HHDT |

| | | | | |
|---|---|---|---|---|
| WAR - Wet Utilities | Onsite truck | — | — | HHDT |
| WAR - Dry Utilities | — | — | — | — |
| WAR - Dry Utilities | Worker | 20.0 | 10.8 | LDA,LDT1,LDT2 |
| WAR - Dry Utilities | Vendor | 5.00 | 7.30 | HHDT,MHDT |
| WAR - Dry Utilities | Hauling | 0.00 | 20.0 | HHDT |
| WAR - Dry Utilities | Onsite truck | — | — | HHDT |
| Hotel/Golf Course-Finish | — | — | — | — |
| Hotel/Golf Course-Finish | Worker | 12.0 | 10.8 | LDA,LDT1,LDT2 |
| Hotel/Golf Course-Finish | Vendor | 6.00 | 7.30 | HHDT,MHDT |
| Hotel/Golf Course-Finish | Hauling | 0.00 | 20.0 | HHDT |
| Hotel/Golf Course-Finish | Onsite truck | — | — | HHDT |

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

## 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) |
|---|---|---|---|---|---|
| NAR-Architectural Coating | 459,799 | 153,266 | 0.00 | 0.00 | 15,172 |
| WAR-Architectural Coating | 211,507 | 70,502 | 0.00 | 0.00 | 7,513 |
| Hotel/Golf Course- Clubhouse Architectural Coa | 0.00 | 0.00 | 69,213 | 23,071 | 7,420 |
| Hotel/Golf Course-Hotel Architectural Coating | 0.00 | 0.00 | 113,256 | 37,752 | 15,000 |

## 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 (Building Square Footage) | Acres Paved (acres) |
|---|---|---|---|---|---|
| NAR-Demolition | 0.00 | 0.00 | 0.00 | 249,600 | — |
| Project import | 279,020 | — | 203 | 0.00 | — |
| Hotel/Golf Course-Grading Excavation | — | — | 277 | 0.00 | — |
| NAR-Grading | — | — | 140 | 0.00 | — |
| WAR-Grading | — | — | 120 | 0.00 | — |
| Hotel/Golf Course-Grading | — | — | 360 | 0.00 | — |
| Project Paving | 0.00 | 0.00 | 0.00 | 0.00 | 11.4 |

### 5.6.2. Construction Earthmoving Control Strategies

| Control Strategies Applied | Frequency (per day) | PM10 Reduction | PM2.5 Reduction |
|---|---|---|---|
| Water Exposed Area | 2 | 61% | 61% |
| Water Demolished Area | 2 | 36% | 36% |

## 5.7. Construction Paving

| Land Use | Area Paved (acres) | % Asphalt |
|---|---|---|
| Condo/Townhouse | — | 0% |
| Golf Course | 0.00 | 0% |
| Parking Lot | 2.63 | 100% |
| Other Asphalt Surfaces | 8.68 | 100% |
| Racquet Club | 0.00 | 0% |
| Hotel | 0.00 | 0% |
| Quality Restaurant | 0.00 | 0% |
| Single Family Housing | 0.07 | 0% |

## 5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

| Year | kWh per Year | CO2 | CH4 | N2O |
|---|---|---|---|---|
| 2026 | 0.00 | 589 | 0.03 | < 0.005 |
| 2027 | 0.00 | 589 | 0.03 | < 0.005 |
| 2028 | 318 | 589 | 0.03 | < 0.005 |
| 2029 | 79.5 | 589 | 0.03 | < 0.005 |
| 2025 | 0.00 | 589 | 0.03 | < 0.005 |

## 5.9. Operational Mobile Sources

### 5.9.1. Unmitigated

| Land Use Type | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMT/Weekday | VMT/Saturday | VMT/Sunday | VMT/Year |
|---|---|---|---|---|---|---|---|---|
| Condo/Townhouse | 1,888 | 1,888 | 1,888 | 689,120 | 15,230 | 15,230 | 15,230 | 5,559,062 |
| Golf Course | 700 | 700 | 700 | 255,500 | 4,410 | 4,410 | 4,410 | 1,609,650 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Racquet Club | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hotel | 520 | 520 | 520 | 189,800 | 3,952 | 3,952 | 3,952 | 1,442,480 |
| Quality Restaurant | 368 | 368 | 368 | 134,138 | 1,727 | 1,727 | 1,727 | 630,446 |
| Single Family Housing | 60.0 | 60.0 | 60.0 | 21,900 | 388 | 388 | 388 | 141,474 |

### 5.9.2. Mitigated

| Land Use Type | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMT/Weekday | VMT/Saturday | VMT/Sunday | VMT/Year |
|---|---|---|---|---|---|---|---|---|
| Condo/Townhouse | 1,888 | 1,888 | 1,888 | 689,120 | 15,230 | 15,230 | 15,230 | 5,559,062 |
| Golf Course | 700 | 700 | 700 | 255,500 | 4,410 | 4,410 | 4,410 | 1,609,650 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Racquet Club | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hotel | 520 | 520 | 520 | 189,800 | 3,952 | 3,952 | 3,952 | 1,442,480 |
| Quality Restaurant | 368 | 368 | 368 | 134,138 | 1,727 | 1,727 | 1,727 | 630,446 |
| Single Family Housing | 60.0 | 60.0 | 60.0 | 21,900 | 388 | 388 | 388 | 141,474 |

## 5.10. Operational Area Sources

### 5.10.1. Hearths

#### 5.10.1.1. Unmitigated

| Hearth Type | Unmitigated (number) |
|---|---|
| Condo/Townhouse | — |
| Wood Fireplaces | 0 |
| Gas Fireplaces | 0 |
| Propane Fireplaces | 0 |
| Electric Fireplaces | 0 |
| No Fireplaces | 236 |
| Conventional Wood Stoves | 0 |
| Catalytic Wood Stoves | 0 |
| Non-Catalytic Wood Stoves | 0 |
| Pellet Wood Stoves | 0 |
| Single Family Housing | — |
| Wood Fireplaces | 0 |
| Gas Fireplaces | 0 |
| Propane Fireplaces | 0 |
| Electric Fireplaces | 0 |

| | |
|---|---|
| No Fireplaces | 6 |
| Conventional Wood Stoves | 0 |
| Catalytic Wood Stoves | 0 |
| Non-Catalytic Wood Stoves | 0 |
| Pellet Wood Stoves | 0 |

### 5.10.1.2. Mitigated

| Hearth Type | Unmitigated (number) |
|---|---|
| Condo/Townhouse | — |
| Wood Fireplaces | 0 |
| Gas Fireplaces | 0 |
| Propane Fireplaces | 0 |
| Electric Fireplaces | 0 |
| No Fireplaces | 236 |
| Conventional Wood Stoves | 0 |
| Catalytic Wood Stoves | 0 |
| Non-Catalytic Wood Stoves | 0 |
| Pellet Wood Stoves | 0 |
| Single Family Housing | — |
| Wood Fireplaces | 0 |
| Gas Fireplaces | 0 |
| Propane Fireplaces | 0 |
| Electric Fireplaces | 0 |
| No Fireplaces | 6 |
| Conventional Wood Stoves | 0 |
| Catalytic Wood Stoves | 0 |
| Non-Catalytic Wood Stoves | 0 |
| Pellet Wood Stoves | 0 |

### 5.10.2. Architectural Coatings

| 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) |
|---|---|---|---|---|
| 530266.5 | 176,756 | 153,756 | 51,252 | 29,549 |

### 5.10.3. Landscape Equipment

| Equipment Type | Fuel Type | Number Per Day | Hours per Day | Hours per Year | Horsepower | Load Factor |
|---|---|---|---|---|---|---|
| Lawn Mowers | Gasoline 4-Stroke | 1.00 | 8.00 | 2,050 | 19.0 | 0.36 |

### 5.10.4. Landscape Equipment - Mitigated

| Equipment Type | Fuel Type | Number Per Day | Hours per Day | Hours per Year | Horsepower | Load Factor |
|---|---|---|---|---|---|---|
| Lawn Mowers | Gasoline 4-Stroke | 1.00 | 8.00 | 2,050 | 19.0 | 0.36 |

## 5.11. Operational Energy Consumption

### 5.11.1. Unmitigated

#### Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

| Land Use | Electricity (kWh/yr) | CO2 | CH4 | N2O | Natural Gas (kBTU/yr) |
|---|---|---|---|---|---|
| Condo/Townhouse | 2,396,942 | 45.1 | 0.0330 | 0.0040 | 0.00 |
| Golf Course | 0.00 | 45.1 | 0.0330 | 0.0040 | 0.00 |
| Parking Lot | 100,281 | 45.1 | 0.0330 | 0.0040 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 45.1 | 0.0330 | 0.0040 | 0.00 |
| Racquet Club | 809,405 | 45.1 | 0.0330 | 0.0040 | 0.00 |
| Hotel | 2,392,075 | 45.1 | 0.0330 | 0.0040 | 0.00 |
| Quality Restaurant | 130,914 | 45.1 | 0.0330 | 0.0040 | 413,091 |
| Single Family Housing | 86,995 | 45.1 | 0.0330 | 0.0040 | 0.00 |

### 5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

| Land Use | Electricity (kWh/yr) | CO2 | CH4 | N2O | Natural Gas (kBTU/yr) |
|---|---|---|---|---|---|
| Condo/Townhouse | 2,258,313 | 45.1 | 0.0330 | 0.0040 | 0.00 |
| Golf Course | 0.00 | 45.1 | 0.0330 | 0.0040 | 0.00 |
| Parking Lot | 100,281 | 45.1 | 0.0330 | 0.0040 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 45.1 | 0.0330 | 0.0040 | 0.00 |
| Racquet Club | 809,405 | 45.1 | 0.0330 | 0.0040 | 0.00 |
| Hotel | 2,253,368 | 45.1 | 0.0330 | 0.0040 | 0.00 |
| Quality Restaurant | 113,551 | 45.1 | 0.0330 | 0.0040 | 413,091 |
| Single Family Housing | 83,469 | 45.1 | 0.0330 | 0.0040 | 0.00 |

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| Condo/Townhouse | 8,291,406 | 1,461,207 |
| Golf Course | 0.00 | 150,445,884 |
| Parking Lot | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 |
| Racquet Club | 1,379,514 | 0.00 |
| Hotel | 1,319,072 | 1,382,066 |
| Quality Restaurant | 1,115,486 | 0.00 |
| Single Family Housing | 210,798 | 1,283,616 |

### 5.12.2. Mitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|

| | | |
|---|---|---|
| Condo/Townhouse | 6,858,651 | 1,461,207 |
| Golf Course | 0.00 | 150,445,884 |
| Parking Lot | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 |
| Racquet Club | 1,223,629 | 0.00 |
| Hotel | 1,163,290 | 1,382,066 |
| Quality Restaurant | 1,007,284 | 0.00 |
| Single Family Housing | 173,951 | 1,283,616 |

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Condo/Townhouse | 174 | — |
| Golf Course | 96.7 | — |
| Parking Lot | 0.00 | — |
| Other Asphalt Surfaces | 0.00 | — |
| Racquet Club | 133 | — |
| Hotel | 28.5 | — |
| Quality Restaurant | 3.35 | — |
| Single Family Housing | 4.03 | — |

### 5.13.2. Mitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Condo/Townhouse | 131 | — |
| Golf Course | 72.5 | — |
| Parking Lot | 0.00 | — |
| Other Asphalt Surfaces | 0.00 | — |

| | | |
|---|---|---|
| Racquet Club | 99.7 | — |
| Hotel | 21.4 | — |
| Quality Restaurant | 2.52 | — |
| Single Family Housing | 3.02 | — |

## 5.14. Operational Refrigeration and Air Conditioning Equipment

### 5.14.1. Unmitigated

| Land Use Type | Equipment Type | Refrigerant | GWP | Quantity (kg) | Operations Leak Rate | Service Leak Rate | Times Serviced |
|---|---|---|---|---|---|---|---|
| Condo/Townhouse | Average room A/C & Other residential A/C and heat pumps | R-410A | 2,088 | < 0.005 | 2.50 | 2.50 | 10.0 |
| Condo/Townhouse | Household refrigerators and/or freezers | R-134a | 1,430 | 0.12 | 0.60 | 0.00 | 1.00 |
| Golf Course | Other commercial A/C and heat pumps | R-410A | 2,088 | < 0.005 | 4.00 | 4.00 | 18.0 |
| Golf Course | Stand-alone retail refrigerators and freezers | R-134a | 1,430 | 0.04 | 1.00 | 0.00 | 1.00 |
| Racquet Club | Other commercial A/C and heat pumps | R-410A | 2,088 | < 0.005 | 4.00 | 4.00 | 18.0 |
| Racquet Club | Stand-alone retail refrigerators and freezers | R-134a | 1,430 | 0.04 | 1.00 | 0.00 | 1.00 |
| Hotel | Household refrigerators and/or freezers | R-134a | 1,430 | 0.00 | 0.60 | 0.00 | 1.00 |
| Hotel | Other commercial A/C and heat pumps | R-410A | 2,088 | 1.80 | 4.00 | 4.00 | 18.0 |
| Hotel | Walk-in refrigerators and freezers | R-404A | 3,922 | < 0.005 | 7.50 | 7.50 | 20.0 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Quality Restaurant | Household refrigerators and/or freezers | R-134a | 1,430 | 0.00 | 0.60 | 0.00 | 1.00 |
| Quality Restaurant | Other commercial A/C and heat pumps | R-410A | 2,088 | 1.80 | 4.00 | 4.00 | 18.0 |
| Quality Restaurant | Walk-in refrigerators and freezers | R-404A | 3,922 | < 0.005 | 7.50 | 7.50 | 20.0 |
| Single Family Housing | Average room A/C & Other residential A/C and heat pumps | R-410A | 2,088 | < 0.005 | 2.50 | 2.50 | 10.0 |
| Single Family Housing | Household refrigerators and/or freezers | R-134a | 1,430 | 0.12 | 0.60 | 0.00 | 1.00 |

### 5.14.2. Mitigated

| Land Use Type | Equipment Type | Refrigerant | GWP | Quantity (kg) | Operations Leak Rate | Service Leak Rate | Times Serviced |
|---|---|---|---|---|---|---|---|
| Condo/Townhouse | Average room A/C & Other residential A/C and heat pumps | R-410A | 2,088 | < 0.005 | 2.50 | 2.50 | 10.0 |
| Condo/Townhouse | Household refrigerators and/or freezers | R-134a | 1,430 | 0.12 | 0.60 | 0.00 | 1.00 |
| Golf Course | Other commercial A/C and heat pumps | R-410A | 2,088 | < 0.005 | 4.00 | 4.00 | 18.0 |
| Golf Course | Stand-alone retail refrigerators and freezers | R-134a | 1,430 | 0.04 | 1.00 | 0.00 | 1.00 |
| Racquet Club | Other commercial A/C and heat pumps | R-410A | 2,088 | < 0.005 | 4.00 | 4.00 | 18.0 |
| Racquet Club | Stand-alone retail refrigerators and freezers | R-134a | 1,430 | 0.04 | 1.00 | 0.00 | 1.00 |
| Hotel | Household refrigerators and/or freezers | R-134a | 1,430 | 0.00 | 0.60 | 0.00 | 1.00 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Hotel | Other commercial A/C and heat pumps | R-410A | 2,088 | 1.80 | 4.00 | 4.00 | 18.0 |
| Hotel | Walk-in refrigerators and freezers | R-404A | 3,922 | < 0.005 | 7.50 | 7.50 | 20.0 |
| Quality Restaurant | Household refrigerators and/or freezers | R-134a | 1,430 | 0.00 | 0.60 | 0.00 | 1.00 |
| Quality Restaurant | Other commercial A/C and heat pumps | R-410A | 2,088 | 1.80 | 4.00 | 4.00 | 18.0 |
| Quality Restaurant | Walk-in refrigerators and freezers | R-404A | 3,922 | < 0.005 | 7.50 | 7.50 | 20.0 |
| Single Family Housing | Average room A/C & Other residential A/C and heat pumps | R-410A | 2,088 | < 0.005 | 2.50 | 2.50 | 10.0 |
| Single Family Housing | Household refrigerators and/or freezers | R-134a | 1,430 | 0.12 | 0.60 | 0.00 | 1.00 |

## 5.15. Operational Off-Road Equipment

### 5.15.1. Unmitigated

| Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|---|---|---|---|---|---|---|

### 5.15.2. Mitigated

| Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|---|---|---|---|---|---|---|

## 5.16. Stationary Sources

### 5.16.1. Emergency Generators and Fire Pumps

| Equipment Type | Fuel Type | Number per Day | Hours per Day | Hours per Year | Horsepower | Load Factor |
|---|---|---|---|---|---|---|

### 5.16.2. Process Boilers

| Equipment Type | Fuel Type | Number | Boiler Rating (MMBtu/hr) | Daily Heat Input (MMBtu/day) | Annual Heat Input (MMBtu/yr) |
|---|---|---|---|---|---|

## 5.17. User Defined

| Equipment Type | Fuel Type |
|---|---|
| — | — |

## 5.18. Vegetation

### 5.18.1. Land Use Change

#### 5.18.1.1. Unmitigated

| Vegetation Land Use Type | Vegetation Soil Type | Initial Acres | Final Acres |
|---|---|---|---|

#### 5.18.1.2. Mitigated

| Vegetation Land Use Type | Vegetation Soil Type | Initial Acres | Final Acres |
|---|---|---|---|

### 5.18.1. Biomass Cover Type

#### 5.18.1.1. Unmitigated

| Biomass Cover Type | Initial Acres | Final Acres |
|---|---|---|

#### 5.18.1.2. Mitigated

| Biomass Cover Type | Initial Acres | Final Acres |
|---|---|---|

### 5.18.2. Sequestration

#### 5.18.2.1. Unmitigated

| Tree Type | Number | Electricity Saved (kWh/year) | Natural Gas Saved (btu/year) |
|---|---|---|---|

#### 5.18.2.2. Mitigated

| Tree Type | Number | Electricity Saved (kWh/year) | Natural Gas Saved (btu/year) |
|---|---|---|---|

# 6. Climate Risk Detailed Report

## 6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

| Climate Hazard | Result for Project Location | Unit |
|---|---|---|
| Temperature and Extreme Heat | 12.1 | annual days of extreme heat |
| Extreme Precipitation | 3.85 | annual days with precipitation above 20 mm |
| Sea Level Rise | 0.00 | meters of inundation depth |
| Wildfire | 21.8 | annual hectares burned |

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

## 6.2. Initial Climate Risk Scores

| Climate Hazard | Exposure Score | Sensitivity Score | Adaptive Capacity Score | Vulnerability Score |
|---|---|---|---|---|
| Temperature and Extreme Heat | N/A | N/A | N/A | N/A |

| | | | | |
|---|---|---|---|---|
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | N/A | N/A | N/A | N/A |
| Wildfire | N/A | N/A | N/A | N/A |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | N/A | N/A | N/A | N/A |

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

## 6.3. Adjusted Climate Risk Scores

| Climate Hazard | Exposure Score | Sensitivity Score | Adaptive Capacity Score | Vulnerability Score |
|---|---|---|---|---|
| Temperature and Extreme Heat | N/A | N/A | N/A | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | N/A | N/A | N/A | N/A |
| Wildfire | N/A | N/A | N/A | N/A |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | N/A | N/A | N/A | N/A |

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

## 6.4. Climate Risk Reduction Measures

# 7. Health and Equity Details

## 7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

| Indicator | Result for Project Census Tract |
|---|---|
| Exposure Indicators | — |
| AQ-Ozone | 58.2 |
| AQ-PM | 43.8 |
| AQ-DPM | 56.0 |
| Drinking Water | 10.8 |
| Lead Risk Housing | 49.5 |
| Pesticides | 0.00 |
| Toxic Releases | 24.1 |
| Traffic | 53.7 |
| Effect Indicators | — |
| CleanUp Sites | 0.00 |
| Groundwater | 0.00 |
| Haz Waste Facilities/Generators | 79.8 |
| Impaired Water Bodies | 77.3 |
| Solid Waste | 37.6 |
| Sensitive Population | — |
| Asthma | 24.2 |
| Cardio-vascular | 17.7 |
| Low Birth Weights | 36.4 |
| Socioeconomic Factor Indicators | — |
| Education | 22.2 |
| Housing | 18.5 |
| Linguistic | 0.00 |

| | |
|---|---|
| Poverty | 15.6 |
| Unemployment | 37.7 |

## 7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

| Indicator | Result for Project Census Tract |
|---|---|
| Economic | — |
| Above Poverty | 81.09842166 |
| Employed | 86.50070576 |
| Median HI | 74.93904786 |
| Education | — |
| Bachelor's or higher | 51.50776338 |
| High school enrollment | 100 |
| Preschool enrollment | 37.5465161 |
| Transportation | — |
| Auto Access | 93.63531374 |
| Active commuting | 7.506736815 |
| Social | — |
| 2-parent households | 45.15590915 |
| Voting | 80.50814834 |
| Neighborhood | — |
| Alcohol availability | 60.81098422 |
| Park access | 81.35506224 |
| Retail density | 11.76697036 |
| Supermarket access | 27.16540485 |
| Tree canopy | 19.70999615 |
| Housing | — |
| Homeownership | 78.22404722 |

| | |
|---|---|
| Housing habitability | 85.20467086 |
| Low-inc homeowner severe housing cost burden | 63.9291672 |
| Low-inc renter severe housing cost burden | 91.65918132 |
| Uncrowded housing | 41.84524573 |
| Health Outcomes | — |
| Insured adults | 76.20941871 |
| Arthritis | 0.0 |
| Asthma ER Admissions | 59.9 |
| High Blood Pressure | 0.0 |
| Cancer (excluding skin) | 0.0 |
| Asthma | 0.0 |
| Coronary Heart Disease | 0.0 |
| Chronic Obstructive Pulmonary Disease | 0.0 |
| Diagnosed Diabetes | 0.0 |
| Life Expectancy at Birth | 51.8 |
| Cognitively Disabled | 66.4 |
| Physically  Disabled | 83.0 |
| Heart Attack ER Admissions | 49.6 |
| Mental Health Not Good | 0.0 |
| Chronic Kidney Disease | 0.0 |
| Obesity | 0.0 |
| Pedestrian Injuries | 19.6 |
| Physical Health Not Good | 0.0 |
| Stroke | 0.0 |
| Health Risk Behaviors | — |
| Binge Drinking | 0.0 |
| Current Smoker | 0.0 |
| No Leisure Time for Physical Activity | 0.0 |

| | |
|---|---|
| Climate Change Exposures | — |
| Wildfire Risk | 7.9 |
| SLR Inundation Area | 0.0 |
| Children | 59.5 |
| Elderly | 66.3 |
| English Speaking | 63.1 |
| Foreign-born | 14.9 |
| Outdoor Workers | 35.8 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 39.6 |
| Traffic Density | 53.8 |
| Traffic Access | 23.0 |
| Other Indices | — |
| Hardship | 35.9 |
| Other Decision Support | — |
| 2016 Voting | 88.1 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 15.0 |
| Healthy Places Index Score for Project Location (b) | 74.0 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | No |
| Project Located in a Low-Income Community (Assembly Bill 1550) | No |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | No |

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

## 7.4. Health & Equity Measures

No Health & Equity Measures selected.

## 7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

## 7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

# 8. User Changes to Default Data

| Screen | Justification |
|---|---|
| Operations: Vehicle Data | Project Trip Generation (Carlton Oaks LTA 3-14-24) Golf Course is 700 trips for the 104 acres per Existing Development TG Memo 2024 |
| Operations: Hearths | no hearths would be installed. |
| Operations: Landscape Equipment | GC |
| Operations: Energy Use | As a design feature, the project will only use Electricity. NG Energy was converted to Electrical Energy with the exception of restaurant. Restaurant will have NG. |
| Construction: Construction Phases | Construction Schedule |
| Construction: Off-Road Equipment | Project Construction Equipment Proposed |
| Construction: Trips and VMT | Per Project Engineer |
| Construction: Architectural Coatings | Per Construction Data |
| Construction: Dust From Material Movement | Soil Import |

# ATTACHMENT C

AERMOD Emission Rates over Construction Area

**Attachment C - AERMOD Emission Rates over Construction Area**

| | NAR - Unmitigated | WAR - Unmitigated | Hotel - Unmitigated | NAR - Mitigated | WAR - Mitigated | Hotel - Mitigated |
|---|---|---|---|---|---|---|
| (Ton/Total Construction Duration) | 0.09988 | 0.0576 | 0.1314 | 0.0122 | 0.008317 | 0.01557 |
| Construction Start | 8/4/2025 | 2/27/2026 | 8/1/2026 | 8/4/2025 | 2/27/2026 | 8/1/2026 |
| Construction Complete | 1/12/2029 | 12/3/2028 | 12/26/2028 | 1/12/2029 | 12/3/2028 | 12/26/2028 |
| Days | 1257 | 1010 | 878 | 1257 | 1010 | 878 |
| Construction Emission per day (lb/day) | 0.158918059 | 0.114059406 | 0.299316629 | 0.019411297 | 0.016469307 | 0.03546697 |
| Annual Duration (Days) | 365 | 365 | 365 | 365 | 365 | 365 |
| Annualized Emission Rate (Grams/Second) | 0.000833216 | 0.00059802 | 0.001569334 | 0.000101775 | 8.63495E-05 | 0.000185955 |
| Project Site Size (Acres) | 49.892 | 65.58 | 45.08 | 49.892 | 65.58 | 45.08 |
| Project Site Size (meters^2) | 201905.7606 | 265392.8442 | 182432.2875 | 201905.7606 | 265392.8442 | 182432.2875 |
| Emission Rate over Grading Area( g/s-m^2) | 4.13E-09 | 2.25E-09 | 8.60E-09 | 5.04E-10 | 3.25E-10 | 1.02E-09 |

# **ATTACHMENT D**

AERMOD Input/Output – Unmitigated

```
1                    AERMOD PRIME - (DATED 23132 )

                   AERMODPrMSPx VERSION
             (C) COPYRIGHT 1998-2022, Trinity Consultants

 Run Began on  1/26/2025 at 14:50:44

** BREEZE AERMOD
** Trinity Consultants
** VERSION  12.1

CO STARTING
CO TITLEONE  Carlton DPM Unmitigated
CO MODELOPT  DFAULT  CONC  DRYDPLT  NOWETDPLT
CO RUNORNOT  RUN
CO AVERTIME  ANNUAL
CO POLLUTID  PM10
CO FINISHED

SO STARTING
SO ELEVUNIT  METERS
SO LOCATION  8P4UG00J  AREAPOLY  498988.2  3633273  0
** SRCDESCR  Hotel
SO LOCATION  KAM0N00I  AREAPOLY  497818.9  3633745.2  0
** SRCDESCR  NAR
SO LOCATION  KAM0N00J  AREAPOLY  498610.5  3633262.4  0
** SRCDESCR  WAR
SO SRCPARAM  8P4UG00J  8.6E-09  3  13  1.4
SO SRCPARAM  KAM0N00I  4.13E-09  3  24  1.4
SO SRCPARAM  KAM0N00J  2.25E-09  3  29  1.4
SO AREAVERT  8P4UG00J  498988.2 3633273  499398.4 3633754.8  499532.8 3633769.1  499570 3633863.4
SO AREAVERT  8P4UG00J  499704.4 3633880.6  499707.2 3633690.4  499678.6 3633573.2  499527.1 3633498.9
SO AREAVERT  8P4UG00J  499392.7 3633391.7  499359.8 3633355.9  499109.7 3633257.3  499109.7 3633257.3
SO AREAVERT  8P4UG00J  498988.2 3633273
SO AREAVERT  KAM0N00I  497818.9 3633745.2  497798.4 3633599.6  497901 3633494.9  497940 3633386.2
SO AREAVERT  KAM0N00I  498042.5 3633326.7  498165.6 3633252.9  498239.5 3633226.2  498348.2 3633240.6
SO AREAVERT  KAM0N00I  498514.4 3633252.9  498608.7 3633263.2  498591.8 3633318.8  498873.7 3633457.2
SO AREAVERT  KAM0N00I  498878.7 3633561.9  498988.4 3633621  498927.1 3633630  498857.8 3633588.5
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SO AREAVERT  KAM0N00I  498293.6 3633399.5  498193.8 3633428  498025.9 3633582.2  497914.5 3633683.3
SO AREAVERT  KAM0N00J  498610.5 3633262.4  498594.2 3633319.2  498874.3 3633456.3  498880.2 3633562.1
SO AREAVERT  KAM0N00J  498989.8 3633622  498928 3633631.6  498958.9 3633675.9  498969.4 3633716.1
SO AREAVERT  KAM0N00J  499006.4 3633722.7  498979.3 3633836.1  499036.6 3633857.7  499022.8 3633896.6
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SO AREAVERT  KAM0N00J  499538.6 3633946  499631.4 3633959.1  499647.3 3633969  499700 3633975
SO AREAVERT  KAM0N00J  499704.2 3633882.4  499570.1 3633866.1  499532 3633770  499400.6 3633756.4
SO AREAVERT  KAM0N00J  498988 3633273.8  498844.8 3633291.7  498738.2 3633318.5  498686 3633298.4
SO AREAVERT  KAM0N00J  498610.5 3633262.4
SO PARTDIAM  8P4UG00J  0.1  2.5  10
SO MASSFRAX  8P4UG00J  .3  .6  .1
SO PARTDENS  8P4UG00J  1.5  1.5  1.5
SO PARTDIAM  KAM0N00I  0.1  2.5  10
SO MASSFRAX  KAM0N00I  .3  .6  .1
SO PARTDENS  KAM0N00I  1.5  1.5  1.5
SO PARTDIAM  KAM0N00J  0.1  2.5  10
SO MASSFRAX  KAM0N00J  .3  .6  .1
SO PARTDENS  KAM0N00J  1.5  1.5  1.5
SO SRCGROUP  ALL
SO FINISHED

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** RCPDESCR  R5
RE DISCCART  498600.4  3633509.5  1.5  0
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** RCPDESCR  R6
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** RCPDESCR  grid receptors
RE DISCCART  497770.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  497820.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  497870.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  497920.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  497970.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498020.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498070.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498120.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498170.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498220.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498270.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498320.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498370.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498420.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498470.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498520.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498570.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498620.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498670.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498720.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498770.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498820.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498870.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498920.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
```

```
RE DISCCART  498970.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499020.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499070.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499120.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499170.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499220.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499270.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499320.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499370.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499420.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499470.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499520.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499570.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499620.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499670.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499720.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499770.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499820.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499870.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499920.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE FINISHED

ME STARTING
ME SURFFILE  "C:\Users\ryan\MYDRIV~1.COM\METDAT~1\ECA_20~1\ECA_2012_V15181.SFC"
** SURFFILE  "C:\Users\ryan\MYDRIV~1.COM\METDAT~1\ECA_20~1\ECA_2012_V15181.SFC"
ME PROFFILE  "C:\Users\ryan\MYDRIV~1.COM\METDAT~1\ECA_20~1\ECA_2012_V15181.PFL"
** PROFFILE  "C:\Users\ryan\MYDRIV~1.COM\METDAT~1\ECA_20~1\ECA_2012_V15181.PFL"
ME SURFDATA  93107 2012
ME UAIRDATA  3190 2012
ME SITEDATA  00000003 2012
ME PROFBASE  0  METERS
ME FINISHED

OU STARTING
OU FILEFORM  FIX
OU PLOTFILE  ANNUAL  ALL  ALL`ANNUAL.plt  10000
OU FINISHED

** ************************************************************************
** It is recommended that the user not edit any data below this line
** ************************************************************************


** AMPTYPE
** AMPDATUM  -1
** AMPZONE  -1
** AMPHEMISPHERE

** PROJECTIONWKT
PROJCS["UTM_6326_Zone11",GEOGCS["WGS_84",DATUM["World_Geodetic_System_1984",SPHEROID["WGS_1984",6378137,298.257223563],TOWGS84[0,0,0,0,0,0,0]],PRIMEM["Gree
nwich",0],UNIT["Degree",0.0174532925199433]],PROJECTION["Universal_Transverse_Mercator"],PARAMETER["Zone",11],UNIT["Meter",1,AUTHORITY["EPSG","9001"]]]
** PROJECTION  UTM
** DATUM  WGE
** UNITS  METER
** ZONE  11
** HEMISPHERE  N
** ORIGINLON  0
** ORIGINLAT  0
** PARALLEL1  0
** PARALLEL2  0
** AZIMUTH  0
** SCALEFACT  0
** FALSEEAST  0
** FALSENORTH  0

** POSTFMT  UNFORM
** TEMPLATE Regulatory,0
** AERMODEXE  AERMOD_BREEZE_23132_64.EXE
** AERMAPEXE  AERMAP_EPA_18081_64.EXE
```

```
 **********************************
 *** SETUP Finishes Successfully ***
 **********************************

 *** AERMOD - VERSION 23132  ***   ***  Carlton DPM Unmitigated                                                    ***        01/26/25
 *** AERMET - VERSION  15181 ***   ***                                                                           ***        14:50:44
                                                                                                                            PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  DRYDPLT  RURAL

                                        ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 ** Model Options Selected:
      * Model Uses Regulatory DEFAULT Options
      * Model Is Setup For Calculation of Average CONCentration Values.
      * NO GAS DEPOSITION Data Provided.
      * PARTICLE DEPOSITION Data Provided.
      * Model Uses DRY DEPLETION. DDPLETE  =  T
      * 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 RURAL Dispersion Only.
      * CCVR_Sub - Meteorological data includes CCVR substitutions
      * TEMP_Sub - Meteorological data includes TEMP substitutions
      * Model Assumes No FLAGPOLE Receptor Heights.
      * The User Specified a Pollutant Type of: PM10

 **Model Calculates ANNUAL Averages Only

 **This Run Includes:      3 Source(s);       1 Source Group(s); and    1207 Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:      3 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 Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  15181

 **Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE 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) =     0.00 ;  Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                              ;  Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.6 MB of RAM.

 **Input Runstream File:          aermod.inp
 **Output Print File:             aermod.out

 *** AERMOD - VERSION 23132  ***   ***  Carlton DPM Unmitigated                                                    ***        01/26/25
 *** AERMET - VERSION  15181 ***   ***                                                                           ***        14:50:44
                                                                                                                            PAGE   2
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  DRYDPLT  RURAL


                                          *** AREAPOLY SOURCE DATA ***

              NUMBER EMISSION RATE   LOCATION OF AREA  BASE     RELEASE  NUMBER      INIT.   URBAN  EMISSION RATE    AIRCRAFT
   SOURCE      PART.  (GRAMS/SEC       X        Y      ELEV.    HEIGHT  OF VERTS.     SZ     SOURCE  SCALAR VARY
     ID        CATS.   /METER**2)   (METERS) (METERS) (METERS) (METERS)            (METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 8P4UG00J         3   0.86000E-08  498988.2 3633273.0     0.0     3.00      13         1.40     NO                    NO
 KAM0N00I         3   0.41300E-08  497818.9 3633745.2     0.0     3.00      24         1.40     NO                    NO
 KAM0N00J         3   0.22500E-08  498610.5 3633262.4     0.0     3.00      29         1.40     NO                    NO
 *** AERMOD - VERSION 23132  ***   ***  Carlton DPM Unmitigated                                                    ***        01/26/25
 *** AERMET - VERSION  15181 ***   ***                                                                           ***        14:50:44
                                                                                                                            PAGE   3
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  DRYDPLT  RURAL


                                       *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                      SOURCE IDs
```

*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = 8P4UG00J ; SOURCE TYPE = AREAPOLY ***

MASS FRACTION =
0.30000, 0.60000, 0.10000,

PARTICLE DIAMETER (MICRONS) =
0.10000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
1.50000, 1.50000, 1.50000,

*** SOURCE ID = KAM0N00I ; SOURCE TYPE = AREAPOLY ***

MASS FRACTION =
0.30000, 0.60000, 0.10000,

PARTICLE DIAMETER (MICRONS) =
0.10000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
1.50000, 1.50000, 1.50000,

*** SOURCE ID = KAM0N00J ; SOURCE TYPE = AREAPOLY ***

MASS FRACTION =
0.30000, 0.60000, 0.10000,

PARTICLE DIAMETER (MICRONS) =
0.10000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
1.50000, 1.50000, 1.50000,



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ( 497720.0, | 3632833.2, | 1.5, | 0.0, | 0.0); | ( 497770.0, | 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 497820.0, | 3632833.2, | 1.5, | 0.0, | 0.0); | ( 497870.0, | 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 497920.0, | 3632833.2, | 1.5, | 0.0, | 0.0); | ( 497970.0, | 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 498020.0, | 3632833.2, | 1.5, | 0.0, | 0.0); | ( 498070.0, | 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 498120.0, | 3632833.2, | 1.5, | 0.0, | 0.0); | ( 498170.0, | 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 498220.0, | 3632833.2, | 1.5, | 0.0, | 0.0); | ( 498270.0, | 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 498320.0, | 3632833.2, | 1.5, | 0.0, | 0.0); | ( 498370.0, | 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 498420.0, | 3632833.2, | 1.5, | 0.0, | 0.0); | ( 498470.0, | 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 498520.0, | 3632833.2, | 1.5, | 0.0, | 0.0); | ( 498570.0, | 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 498620.0, | 3632833.2, | 1.5, | 0.0, | 0.0); | ( 498670.0, | 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 498720.0, | 3632833.2, | 1.5, | 0.0, | 0.0); | ( 498770.0, | 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 498820.0, | 3632833.2, | 1.5, | 0.0, | 0.0); | ( 498870.0, | 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 498920.0, | 3632833.2, | 1.5, | 0.0, | 0.0); | ( 498970.0, | 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 499020.0, | 3632833.2, | 1.5, | 0.0, | 0.0); | ( 499070.0, | 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 499120.0, | 3632833.2, | 1.5, | 0.0, | 0.0); | ( 499170.0, | 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 499220.0, | 3632833.2, | 1.5, | 0.0, | 0.0); | ( 499270.0, | 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 499320.0, | 3632833.2, | 1.5, | 0.0, | 0.0); | ( 499370.0, | 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 499420.0, | 3632833.2, | 1.5, | 0.0, | 0.0); | ( 499470.0, | 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 499520.0, | 3632833.2, | 1.5, | 0.0, | 0.0); | ( 499570.0, | 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 499620.0, | 3632833.2, | 1.5, | 0.0, | 0.0); | ( 499670.0, | 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 499720.0, | 3632833.2, | 1.5, | 0.0, | 0.0); | ( 499770.0, | 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 499820.0, | 3632833.2, | 1.5, | 0.0, | 0.0); | ( 499870.0, | 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 499920.0, | 3632833.2, | 1.5, | 0.0, | 0.0); | ( 497720.0, | 3632883.2, | 1.5, | 0.0, | 0.0); |
| ( 497770.0, | 3632883.2, | 1.5, | 0.0, | 0.0); | ( 497820.0, | 3632883.2, | 1.5, | 0.0, | 0.0); |
| ( 497870.0, | 3632883.2, | 1.5, | 0.0, | 0.0); | ( 497920.0, | 3632883.2, | 1.5, | 0.0, | 0.0); |
| ( 497970.0, | 3632883.2, | 1.5, | 0.0, | 0.0); | ( 498020.0, | 3632883.2, | 1.5, | 0.0, | 0.0); |
| ( 498070.0, | 3632883.2, | 1.5, | 0.0, | 0.0); | ( 498120.0, | 3632883.2, | 1.5, | 0.0, | 0.0); |
| ( 498170.0, | 3632883.2, | 1.5, | 0.0, | 0.0); | ( 498220.0, | 3632883.2, | 1.5, | 0.0, | 0.0); |
| ( 498270.0, | 3632883.2, | 1.5, | 0.0, | 0.0); | ( 498320.0, | 3632883.2, | 1.5, | 0.0, | 0.0); |
| ( 498370.0, | 3632883.2, | 1.5, | 0.0, | 0.0); | ( 498420.0, | 3632883.2, | 1.5, | 0.0, | 0.0); |
| ( 498470.0, | 3632883.2, | 1.5, | 0.0, | 0.0); | ( 498520.0, | 3632883.2, | 1.5, | 0.0, | 0.0); |
| ( 498570.0, | 3632883.2, | 1.5, | 0.0, | 0.0); | ( 498620.0, | 3632883.2, | 1.5, | 0.0, | 0.0); |
| ( 498670.0, | 3632883.2, | 1.5, | 0.0, | 0.0); | ( 498720.0, | 3632883.2, | 1.5, | 0.0, | 0.0); |
| ( 498770.0, | 3632883.2, | 1.5, | 0.0, | 0.0); | ( 498820.0, | 3632883.2, | 1.5, | 0.0, | 0.0); |

( 498870.0, 3632883.2, 1.5, 0.0, 0.0); ( 498920.0, 3632883.2, 1.5, 0.0, 0.0);
( 498970.0, 3632883.2, 1.5, 0.0, 0.0); ( 499020.0, 3632883.2, 1.5, 0.0, 0.0);
( 499070.0, 3632883.2, 1.5, 0.0, 0.0); ( 499120.0, 3632883.2, 1.5, 0.0, 0.0);
( 499170.0, 3632883.2, 1.5, 0.0, 0.0); ( 499220.0, 3632883.2, 1.5, 0.0, 0.0);
( 499270.0, 3632883.2, 1.5, 0.0, 0.0); ( 499320.0, 3632883.2, 1.5, 0.0, 0.0);
( 499370.0, 3632883.2, 1.5, 0.0, 0.0); ( 499420.0, 3632883.2, 1.5, 0.0, 0.0);
( 499470.0, 3632883.2, 1.5, 0.0, 0.0); ( 499520.0, 3632883.2, 1.5, 0.0, 0.0);
( 499570.0, 3632883.2, 1.5, 0.0, 0.0); ( 499620.0, 3632883.2, 1.5, 0.0, 0.0);
( 499670.0, 3632883.2, 1.5, 0.0, 0.0); ( 499720.0, 3632883.2, 1.5, 0.0, 0.0);
( 499770.0, 3632883.2, 1.5, 0.0, 0.0); ( 499820.0, 3632883.2, 1.5, 0.0, 0.0);
( 499870.0, 3632883.2, 1.5, 0.0, 0.0); ( 499920.0, 3632883.2, 1.5, 0.0, 0.0);



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 497720.0, 3632933.2, 1.5, 0.0, 0.0); ( 497770.0, 3632933.2, 1.5, 0.0, 0.0);
( 497820.0, 3632933.2, 1.5, 0.0, 0.0); ( 497870.0, 3632933.2, 1.5, 0.0, 0.0);
( 497920.0, 3632933.2, 1.5, 0.0, 0.0); ( 497970.0, 3632933.2, 1.5, 0.0, 0.0);
( 498020.0, 3632933.2, 1.5, 0.0, 0.0); ( 498070.0, 3632933.2, 1.5, 0.0, 0.0);
( 498120.0, 3632933.2, 1.5, 0.0, 0.0); ( 498170.0, 3632933.2, 1.5, 0.0, 0.0);
( 498220.0, 3632933.2, 1.5, 0.0, 0.0); ( 498270.0, 3632933.2, 1.5, 0.0, 0.0);
( 498320.0, 3632933.2, 1.5, 0.0, 0.0); ( 498370.0, 3632933.2, 1.5, 0.0, 0.0);
( 498420.0, 3632933.2, 1.5, 0.0, 0.0); ( 498470.0, 3632933.2, 1.5, 0.0, 0.0);
( 498520.0, 3632933.2, 1.5, 0.0, 0.0); ( 498570.0, 3632933.2, 1.5, 0.0, 0.0);
( 498620.0, 3632933.2, 1.5, 0.0, 0.0); ( 498670.0, 3632933.2, 1.5, 0.0, 0.0);
( 498720.0, 3632933.2, 1.5, 0.0, 0.0); ( 498770.0, 3632933.2, 1.5, 0.0, 0.0);
( 498820.0, 3632933.2, 1.5, 0.0, 0.0); ( 498870.0, 3632933.2, 1.5, 0.0, 0.0);
( 498920.0, 3632933.2, 1.5, 0.0, 0.0); ( 498970.0, 3632933.2, 1.5, 0.0, 0.0);
( 499020.0, 3632933.2, 1.5, 0.0, 0.0); ( 499070.0, 3632933.2, 1.5, 0.0, 0.0);
( 499120.0, 3632933.2, 1.5, 0.0, 0.0); ( 499170.0, 3632933.2, 1.5, 0.0, 0.0);
( 499220.0, 3632933.2, 1.5, 0.0, 0.0); ( 499270.0, 3632933.2, 1.5, 0.0, 0.0);
( 499320.0, 3632933.2, 1.5, 0.0, 0.0); ( 499370.0, 3632933.2, 1.5, 0.0, 0.0);
( 499420.0, 3632933.2, 1.5, 0.0, 0.0); ( 499470.0, 3632933.2, 1.5, 0.0, 0.0);
( 499520.0, 3632933.2, 1.5, 0.0, 0.0); ( 499570.0, 3632933.2, 1.5, 0.0, 0.0);
( 499620.0, 3632933.2, 1.5, 0.0, 0.0); ( 499670.0, 3632933.2, 1.5, 0.0, 0.0);
( 499720.0, 3632933.2, 1.5, 0.0, 0.0); ( 499770.0, 3632933.2, 1.5, 0.0, 0.0);
( 499820.0, 3632933.2, 1.5, 0.0, 0.0); ( 499870.0, 3632933.2, 1.5, 0.0, 0.0);
( 499920.0, 3632933.2, 1.5, 0.0, 0.0); ( 497720.0, 3632983.2, 1.5, 0.0, 0.0);
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( 497870.0, 3632983.2, 1.5, 0.0, 0.0); ( 497920.0, 3632983.2, 1.5, 0.0, 0.0);
( 497970.0, 3632983.2, 1.5, 0.0, 0.0); ( 498020.0, 3632983.2, 1.5, 0.0, 0.0);
( 498070.0, 3632983.2, 1.5, 0.0, 0.0); ( 498120.0, 3632983.2, 1.5, 0.0, 0.0);
( 498170.0, 3632983.2, 1.5, 0.0, 0.0); ( 498220.0, 3632983.2, 1.5, 0.0, 0.0);
( 498270.0, 3632983.2, 1.5, 0.0, 0.0); ( 498320.0, 3632983.2, 1.5, 0.0, 0.0);
( 498370.0, 3632983.2, 1.5, 0.0, 0.0); ( 498420.0, 3632983.2, 1.5, 0.0, 0.0);
( 498470.0, 3632983.2, 1.5, 0.0, 0.0); ( 498520.0, 3632983.2, 1.5, 0.0, 0.0);
( 498570.0, 3632983.2, 1.5, 0.0, 0.0); ( 498620.0, 3632983.2, 1.5, 0.0, 0.0);
( 498670.0, 3632983.2, 1.5, 0.0, 0.0); ( 498720.0, 3632983.2, 1.5, 0.0, 0.0);
( 498770.0, 3632983.2, 1.5, 0.0, 0.0); ( 498820.0, 3632983.2, 1.5, 0.0, 0.0);
( 498870.0, 3632983.2, 1.5, 0.0, 0.0); ( 498920.0, 3632983.2, 1.5, 0.0, 0.0);
( 498970.0, 3632983.2, 1.5, 0.0, 0.0); ( 499020.0, 3632983.2, 1.5, 0.0, 0.0);
( 499070.0, 3632983.2, 1.5, 0.0, 0.0); ( 499120.0, 3632983.2, 1.5, 0.0, 0.0);
( 499170.0, 3632983.2, 1.5, 0.0, 0.0); ( 499220.0, 3632983.2, 1.5, 0.0, 0.0);
( 499270.0, 3632983.2, 1.5, 0.0, 0.0); ( 499320.0, 3632983.2, 1.5, 0.0, 0.0);
( 499370.0, 3632983.2, 1.5, 0.0, 0.0); ( 499420.0, 3632983.2, 1.5, 0.0, 0.0);
( 499470.0, 3632983.2, 1.5, 0.0, 0.0); ( 499520.0, 3632983.2, 1.5, 0.0, 0.0);
( 499570.0, 3632983.2, 1.5, 0.0, 0.0); ( 499620.0, 3632983.2, 1.5, 0.0, 0.0);
( 499670.0, 3632983.2, 1.5, 0.0, 0.0); ( 499720.0, 3632983.2, 1.5, 0.0, 0.0);
( 499770.0, 3632983.2, 1.5, 0.0, 0.0); ( 499820.0, 3632983.2, 1.5, 0.0, 0.0);
( 499870.0, 3632983.2, 1.5, 0.0, 0.0); ( 499920.0, 3632983.2, 1.5, 0.0, 0.0);



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 497720.0, 3633033.2, 1.5, 0.0, 0.0); ( 497770.0, 3633033.2, 1.5, 0.0, 0.0);
( 497820.0, 3633033.2, 1.5, 0.0, 0.0); ( 497870.0, 3633033.2, 1.5, 0.0, 0.0);
( 497920.0, 3633033.2, 1.5, 0.0, 0.0); ( 497970.0, 3633033.2, 1.5, 0.0, 0.0);
( 498020.0, 3633033.2, 1.5, 0.0, 0.0); ( 498070.0, 3633033.2, 1.5, 0.0, 0.0);
( 498120.0, 3633033.2, 1.5, 0.0, 0.0); ( 498170.0, 3633033.2, 1.5, 0.0, 0.0);
( 498220.0, 3633033.2, 1.5, 0.0, 0.0); ( 498270.0, 3633033.2, 1.5, 0.0, 0.0);
( 498320.0, 3633033.2, 1.5, 0.0, 0.0); ( 498370.0, 3633033.2, 1.5, 0.0, 0.0);
( 498420.0, 3633033.2, 1.5, 0.0, 0.0); ( 498470.0, 3633033.2, 1.5, 0.0, 0.0);
( 498520.0, 3633033.2, 1.5, 0.0, 0.0); ( 498570.0, 3633033.2, 1.5, 0.0, 0.0);
( 498620.0, 3633033.2, 1.5, 0.0, 0.0); ( 498670.0, 3633033.2, 1.5, 0.0, 0.0);
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( 499020.0, 3633033.2, 1.5, 0.0, 0.0); ( 499070.0, 3633033.2, 1.5, 0.0, 0.0);
( 499120.0, 3633033.2, 1.5, 0.0, 0.0); ( 499170.0, 3633033.2, 1.5, 0.0, 0.0);
( 499220.0, 3633033.2, 1.5, 0.0, 0.0); ( 499270.0, 3633033.2, 1.5, 0.0, 0.0);
( 499320.0, 3633033.2, 1.5, 0.0, 0.0); ( 499370.0, 3633033.2, 1.5, 0.0, 0.0);

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    ( 499420.0, 3633033.2,       1.5,       0.0,       0.0);        ( 499470.0, 3633033.2,       1.5,       0.0,       0.0);
    ( 499520.0, 3633033.2,       1.5,       0.0,       0.0);        ( 499570.0, 3633033.2,       1.5,       0.0,       0.0);
    ( 499620.0, 3633033.2,       1.5,       0.0,       0.0);        ( 499670.0, 3633033.2,       1.5,       0.0,       0.0);
    ( 499720.0, 3633033.2,       1.5,       0.0,       0.0);        ( 499770.0, 3633033.2,       1.5,       0.0,       0.0);
    ( 499820.0, 3633033.2,       1.5,       0.0,       0.0);        ( 499870.0, 3633033.2,       1.5,       0.0,       0.0);
    ( 499920.0, 3633033.2,       1.5,       0.0,       0.0);        ( 497720.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 497770.0, 3633083.2,       1.5,       0.0,       0.0);        ( 497820.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 497870.0, 3633083.2,       1.5,       0.0,       0.0);        ( 497920.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 497970.0, 3633083.2,       1.5,       0.0,       0.0);        ( 498020.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 498070.0, 3633083.2,       1.5,       0.0,       0.0);        ( 498120.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 498170.0, 3633083.2,       1.5,       0.0,       0.0);        ( 498220.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 498270.0, 3633083.2,       1.5,       0.0,       0.0);        ( 498320.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 498370.0, 3633083.2,       1.5,       0.0,       0.0);        ( 498420.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 498470.0, 3633083.2,       1.5,       0.0,       0.0);        ( 498520.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 498570.0, 3633083.2,       1.5,       0.0,       0.0);        ( 498620.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 498670.0, 3633083.2,       1.5,       0.0,       0.0);        ( 498720.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 498770.0, 3633083.2,       1.5,       0.0,       0.0);        ( 498820.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 498870.0, 3633083.2,       1.5,       0.0,       0.0);        ( 498920.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 498970.0, 3633083.2,       1.5,       0.0,       0.0);        ( 499020.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 499070.0, 3633083.2,       1.5,       0.0,       0.0);        ( 499120.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 499170.0, 3633083.2,       1.5,       0.0,       0.0);        ( 499220.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 499270.0, 3633083.2,       1.5,       0.0,       0.0);        ( 499320.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 499370.0, 3633083.2,       1.5,       0.0,       0.0);        ( 499420.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 499470.0, 3633083.2,       1.5,       0.0,       0.0);        ( 499520.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 499570.0, 3633083.2,       1.5,       0.0,       0.0);        ( 499620.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 499670.0, 3633083.2,       1.5,       0.0,       0.0);        ( 499720.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 499770.0, 3633083.2,       1.5,       0.0,       0.0);        ( 499820.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 499870.0, 3633083.2,       1.5,       0.0,       0.0);        ( 499920.0, 3633083.2,       1.5,       0.0,       0.0);
 *** AERMOD - VERSION 23132  ***   ***  Carlton DPM Unmitigated                                                ***       01/26/25
 *** AERMET - VERSION  15181 ***   ***                                                                        ***       14:50:44
                                                                                                                      PAGE    8

 *** MODELOPTs:    RegDFAULT  CONC  ELEV  DRYDPLT  RURAL

                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                      (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

    ( 497720.0, 3633133.2,       1.5,       0.0,       0.0);        ( 497770.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 497820.0, 3633133.2,       1.5,       0.0,       0.0);        ( 497870.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 497920.0, 3633133.2,       1.5,       0.0,       0.0);        ( 497970.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 498020.0, 3633133.2,       1.5,       0.0,       0.0);        ( 498070.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 498120.0, 3633133.2,       1.5,       0.0,       0.0);        ( 498170.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 498220.0, 3633133.2,       1.5,       0.0,       0.0);        ( 498270.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 498320.0, 3633133.2,       1.5,       0.0,       0.0);        ( 498370.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 498420.0, 3633133.2,       1.5,       0.0,       0.0);        ( 498470.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 498520.0, 3633133.2,       1.5,       0.0,       0.0);        ( 498570.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 498620.0, 3633133.2,       1.5,       0.0,       0.0);        ( 498670.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 498720.0, 3633133.2,       1.5,       0.0,       0.0);        ( 498770.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 498820.0, 3633133.2,       1.5,       0.0,       0.0);        ( 498870.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 498920.0, 3633133.2,       1.5,       0.0,       0.0);        ( 498970.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 499020.0, 3633133.2,       1.5,       0.0,       0.0);        ( 499070.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 499120.0, 3633133.2,       1.5,       0.0,       0.0);        ( 499170.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 499220.0, 3633133.2,       1.5,       0.0,       0.0);        ( 499270.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 499320.0, 3633133.2,       1.5,       0.0,       0.0);        ( 499370.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 499420.0, 3633133.2,       1.5,       0.0,       0.0);        ( 499470.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 499520.0, 3633133.2,       1.5,       0.0,       0.0);        ( 499570.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 499620.0, 3633133.2,       1.5,       0.0,       0.0);        ( 499670.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 499720.0, 3633133.2,       1.5,       0.0,       0.0);        ( 499770.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 499820.0, 3633133.2,       1.5,       0.0,       0.0);        ( 499870.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 499920.0, 3633133.2,       1.5,       0.0,       0.0);        ( 497720.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 497770.0, 3633183.2,       1.5,       0.0,       0.0);        ( 497820.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 497870.0, 3633183.2,       1.5,       0.0,       0.0);        ( 497920.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 497970.0, 3633183.2,       1.5,       0.0,       0.0);        ( 498020.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 498070.0, 3633183.2,       1.5,       0.0,       0.0);        ( 498120.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 498170.0, 3633183.2,       1.5,       0.0,       0.0);        ( 498220.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 498270.0, 3633183.2,       1.5,       0.0,       0.0);        ( 498320.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 498370.0, 3633183.2,       1.5,       0.0,       0.0);        ( 498420.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 498470.0, 3633183.2,       1.5,       0.0,       0.0);        ( 498520.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 498570.0, 3633183.2,       1.5,       0.0,       0.0);        ( 498620.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 498670.0, 3633183.2,       1.5,       0.0,       0.0);        ( 498720.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 498770.0, 3633183.2,       1.5,       0.0,       0.0);        ( 498820.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 498870.0, 3633183.2,       1.5,       0.0,       0.0);        ( 498920.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 498970.0, 3633183.2,       1.5,       0.0,       0.0);        ( 499020.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 499070.0, 3633183.2,       1.5,       0.0,       0.0);        ( 499120.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 499170.0, 3633183.2,       1.5,       0.0,       0.0);        ( 499220.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 499270.0, 3633183.2,       1.5,       0.0,       0.0);        ( 499320.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 499370.0, 3633183.2,       1.5,       0.0,       0.0);        ( 499420.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 499470.0, 3633183.2,       1.5,       0.0,       0.0);        ( 499520.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 499570.0, 3633183.2,       1.5,       0.0,       0.0);        ( 499620.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 499670.0, 3633183.2,       1.5,       0.0,       0.0);        ( 499720.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 499770.0, 3633183.2,       1.5,       0.0,       0.0);        ( 499820.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 499870.0, 3633183.2,       1.5,       0.0,       0.0);        ( 499920.0, 3633183.2,       1.5,       0.0,       0.0);
 *** AERMOD - VERSION 23132  ***   ***  Carlton DPM Unmitigated                                                ***       01/26/25
 *** AERMET - VERSION  15181 ***   ***                                                                        ***       14:50:44
                                                                                                                      PAGE    9

 *** MODELOPTs:    RegDFAULT  CONC  ELEV  DRYDPLT  RURAL

                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                      (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)
```

( 497720.0, 3633233.2, 1.5, 0.0, 0.0); ( 497770.0, 3633233.2, 1.5, 0.0, 0.0);
( 497820.0, 3633233.2, 1.5, 0.0, 0.0); ( 497870.0, 3633233.2, 1.5, 0.0, 0.0);
( 497920.0, 3633233.2, 1.5, 0.0, 0.0); ( 497970.0, 3633233.2, 1.5, 0.0, 0.0);
( 498020.0, 3633233.2, 1.5, 0.0, 0.0); ( 498070.0, 3633233.2, 1.5, 0.0, 0.0);
( 498120.0, 3633233.2, 1.5, 0.0, 0.0); ( 498170.0, 3633233.2, 1.5, 0.0, 0.0);
( 498470.0, 3633233.2, 1.5, 0.0, 0.0); ( 498520.0, 3633233.2, 1.5, 0.0, 0.0);
( 498570.0, 3633233.2, 1.5, 0.0, 0.0); ( 498620.0, 3633233.2, 1.5, 0.0, 0.0);
( 498670.0, 3633233.2, 1.5, 0.0, 0.0); ( 498720.0, 3633233.2, 1.5, 0.0, 0.0);
( 498770.0, 3633233.2, 1.5, 0.0, 0.0); ( 498820.0, 3633233.2, 1.5, 0.0, 0.0);
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( 498970.0, 3633233.2, 1.5, 0.0, 0.0); ( 499020.0, 3633233.2, 1.5, 0.0, 0.0);
( 499070.0, 3633233.2, 1.5, 0.0, 0.0); ( 499120.0, 3633233.2, 1.5, 0.0, 0.0);
( 499170.0, 3633233.2, 1.5, 0.0, 0.0); ( 499220.0, 3633233.2, 1.5, 0.0, 0.0);
( 499270.0, 3633233.2, 1.5, 0.0, 0.0); ( 499320.0, 3633233.2, 1.5, 0.0, 0.0);
( 499370.0, 3633233.2, 1.5, 0.0, 0.0); ( 499420.0, 3633233.2, 1.5, 0.0, 0.0);
( 499470.0, 3633233.2, 1.5, 0.0, 0.0); ( 499520.0, 3633233.2, 1.5, 0.0, 0.0);
( 499570.0, 3633233.2, 1.5, 0.0, 0.0); ( 499620.0, 3633233.2, 1.5, 0.0, 0.0);
( 499670.0, 3633233.2, 1.5, 0.0, 0.0); ( 499720.0, 3633233.2, 1.5, 0.0, 0.0);
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( 499870.0, 3633233.2, 1.5, 0.0, 0.0); ( 499920.0, 3633233.2, 1.5, 0.0, 0.0);
( 497720.0, 3633283.2, 1.5, 0.0, 0.0); ( 497770.0, 3633283.2, 1.5, 0.0, 0.0);
( 497820.0, 3633283.2, 1.5, 0.0, 0.0); ( 497870.0, 3633283.2, 1.5, 0.0, 0.0);
( 497920.0, 3633283.2, 1.5, 0.0, 0.0); ( 497970.0, 3633283.2, 1.5, 0.0, 0.0);
( 498020.0, 3633283.2, 1.5, 0.0, 0.0); ( 498070.0, 3633283.2, 1.5, 0.0, 0.0);
( 498720.0, 3633283.2, 1.5, 0.0, 0.0); ( 498770.0, 3633283.2, 1.5, 0.0, 0.0);
( 498820.0, 3633283.2, 1.5, 0.0, 0.0); ( 499270.0, 3633283.2, 1.5, 0.0, 0.0);
( 499320.0, 3633283.2, 1.5, 0.0, 0.0); ( 499370.0, 3633283.2, 1.5, 0.0, 0.0);
( 499420.0, 3633283.2, 1.5, 0.0, 0.0); ( 499470.0, 3633283.2, 1.5, 0.0, 0.0);
( 499520.0, 3633283.2, 1.5, 0.0, 0.0); ( 499570.0, 3633283.2, 1.5, 0.0, 0.0);
( 499620.0, 3633283.2, 1.5, 0.0, 0.0); ( 499670.0, 3633283.2, 1.5, 0.0, 0.0);
( 499720.0, 3633283.2, 1.5, 0.0, 0.0); ( 499770.0, 3633283.2, 1.5, 0.0, 0.0);
( 499820.0, 3633283.2, 1.5, 0.0, 0.0); ( 499870.0, 3633283.2, 1.5, 0.0, 0.0);
( 499920.0, 3633283.2, 1.5, 0.0, 0.0); ( 497720.0, 3633333.2, 1.5, 0.0, 0.0);
( 497770.0, 3633333.2, 1.5, 0.0, 0.0); ( 497820.0, 3633333.2, 1.5, 0.0, 0.0);
( 497870.0, 3633333.2, 1.5, 0.0, 0.0); ( 497920.0, 3633333.2, 1.5, 0.0, 0.0);
( 497970.0, 3633333.2, 1.5, 0.0, 0.0); ( 499370.0, 3633333.2, 1.5, 0.0, 0.0);
( 499420.0, 3633333.2, 1.5, 0.0, 0.0); ( 499470.0, 3633333.2, 1.5, 0.0, 0.0);
( 499520.0, 3633333.2, 1.5, 0.0, 0.0); ( 499570.0, 3633333.2, 1.5, 0.0, 0.0);
( 499620.0, 3633333.2, 1.5, 0.0, 0.0); ( 499670.0, 3633333.2, 1.5, 0.0, 0.0);
( 499720.0, 3633333.2, 1.5, 0.0, 0.0); ( 499770.0, 3633333.2, 1.5, 0.0, 0.0);
( 499820.0, 3633333.2, 1.5, 0.0, 0.0); ( 499870.0, 3633333.2, 1.5, 0.0, 0.0);
( 499920.0, 3633333.2, 1.5, 0.0, 0.0); ( 497720.0, 3633383.2, 1.5, 0.0, 0.0);
( 497770.0, 3633383.2, 1.5, 0.0, 0.0); ( 497820.0, 3633383.2, 1.5, 0.0, 0.0);
( 497870.0, 3633383.2, 1.5, 0.0, 0.0); ( 497920.0, 3633383.2, 1.5, 0.0, 0.0);
( 499420.0, 3633383.2, 1.5, 0.0, 0.0); ( 499470.0, 3633383.2, 1.5, 0.0, 0.0);



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 499520.0, 3633383.2, 1.5, 0.0, 0.0); ( 499570.0, 3633383.2, 1.5, 0.0, 0.0);
( 499620.0, 3633383.2, 1.5, 0.0, 0.0); ( 499670.0, 3633383.2, 1.5, 0.0, 0.0);
( 499720.0, 3633383.2, 1.5, 0.0, 0.0); ( 499770.0, 3633383.2, 1.5, 0.0, 0.0);
( 499820.0, 3633383.2, 1.5, 0.0, 0.0); ( 499870.0, 3633383.2, 1.5, 0.0, 0.0);
( 499920.0, 3633383.2, 1.5, 0.0, 0.0); ( 497720.0, 3633433.2, 1.5, 0.0, 0.0);
( 497770.0, 3633433.2, 1.5, 0.0, 0.0); ( 497820.0, 3633433.2, 1.5, 0.0, 0.0);
( 497870.0, 3633433.2, 1.5, 0.0, 0.0); ( 498270.0, 3633433.2, 1.5, 0.0, 0.0);
( 498320.0, 3633433.2, 1.5, 0.0, 0.0); ( 498370.0, 3633433.2, 1.5, 0.0, 0.0);
( 499520.0, 3633433.2, 1.5, 0.0, 0.0); ( 499570.0, 3633433.2, 1.5, 0.0, 0.0);
( 499620.0, 3633433.2, 1.5, 0.0, 0.0); ( 499670.0, 3633433.2, 1.5, 0.0, 0.0);
( 499720.0, 3633433.2, 1.5, 0.0, 0.0); ( 499770.0, 3633433.2, 1.5, 0.0, 0.0);
( 499820.0, 3633433.2, 1.5, 0.0, 0.0); ( 499870.0, 3633433.2, 1.5, 0.0, 0.0);
( 499920.0, 3633433.2, 1.5, 0.0, 0.0); ( 497720.0, 3633483.2, 1.5, 0.0, 0.0);
( 497770.0, 3633483.2, 1.5, 0.0, 0.0); ( 497820.0, 3633483.2, 1.5, 0.0, 0.0);
( 497870.0, 3633483.2, 1.5, 0.0, 0.0); ( 498220.0, 3633483.2, 1.5, 0.0, 0.0);
( 498270.0, 3633483.2, 1.5, 0.0, 0.0); ( 498320.0, 3633483.2, 1.5, 0.0, 0.0);
( 498370.0, 3633483.2, 1.5, 0.0, 0.0); ( 498420.0, 3633483.2, 1.5, 0.0, 0.0);
( 498470.0, 3633483.2, 1.5, 0.0, 0.0); ( 498520.0, 3633483.2, 1.5, 0.0, 0.0);
( 499570.0, 3633483.2, 1.5, 0.0, 0.0); ( 499620.0, 3633483.2, 1.5, 0.0, 0.0);
( 499670.0, 3633483.2, 1.5, 0.0, 0.0); ( 499720.0, 3633483.2, 1.5, 0.0, 0.0);
( 499770.0, 3633483.2, 1.5, 0.0, 0.0); ( 499820.0, 3633483.2, 1.5, 0.0, 0.0);
( 499870.0, 3633483.2, 1.5, 0.0, 0.0); ( 499920.0, 3633483.2, 1.5, 0.0, 0.0);
( 497720.0, 3633533.2, 1.5, 0.0, 0.0); ( 497770.0, 3633533.2, 1.5, 0.0, 0.0);
( 497820.0, 3633533.2, 1.5, 0.0, 0.0); ( 498170.0, 3633533.2, 1.5, 0.0, 0.0);
( 498220.0, 3633533.2, 1.5, 0.0, 0.0); ( 498270.0, 3633533.2, 1.5, 0.0, 0.0);
( 498320.0, 3633533.2, 1.5, 0.0, 0.0); ( 498370.0, 3633533.2, 1.5, 0.0, 0.0);
( 498420.0, 3633533.2, 1.5, 0.0, 0.0); ( 498470.0, 3633533.2, 1.5, 0.0, 0.0);
( 498520.0, 3633533.2, 1.5, 0.0, 0.0); ( 498570.0, 3633533.2, 1.5, 0.0, 0.0);
( 498620.0, 3633533.2, 1.5, 0.0, 0.0); ( 499670.0, 3633533.2, 1.5, 0.0, 0.0);
( 499720.0, 3633533.2, 1.5, 0.0, 0.0); ( 499770.0, 3633533.2, 1.5, 0.0, 0.0);
( 499820.0, 3633533.2, 1.5, 0.0, 0.0); ( 499870.0, 3633533.2, 1.5, 0.0, 0.0);
( 499920.0, 3633533.2, 1.5, 0.0, 0.0); ( 497720.0, 3633583.2, 1.5, 0.0, 0.0);
( 497770.0, 3633583.2, 1.5, 0.0, 0.0); ( 498070.0, 3633583.2, 1.5, 0.0, 0.0);
( 498120.0, 3633583.2, 1.5, 0.0, 0.0); ( 498170.0, 3633583.2, 1.5, 0.0, 0.0);
( 498220.0, 3633583.2, 1.5, 0.0, 0.0); ( 498270.0, 3633583.2, 1.5, 0.0, 0.0);
( 498320.0, 3633583.2, 1.5, 0.0, 0.0); ( 498370.0, 3633583.2, 1.5, 0.0, 0.0);
( 498420.0, 3633583.2, 1.5, 0.0, 0.0); ( 498470.0, 3633583.2, 1.5, 0.0, 0.0);

( 498520.0, 3633583.2, 1.5, 0.0, 0.0); ( 498570.0, 3633583.2, 1.5, 0.0, 0.0);
( 498620.0, 3633583.2, 1.5, 0.0, 0.0); ( 498670.0, 3633583.2, 1.5, 0.0, 0.0);
( 498720.0, 3633583.2, 1.5, 0.0, 0.0); ( 498770.0, 3633583.2, 1.5, 0.0, 0.0);
( 499720.0, 3633583.2, 1.5, 0.0, 0.0); ( 499770.0, 3633583.2, 1.5, 0.0, 0.0);
( 499820.0, 3633583.2, 1.5, 0.0, 0.0); ( 499870.0, 3633583.2, 1.5, 0.0, 0.0);
( 499920.0, 3633583.2, 1.5, 0.0, 0.0); ( 497720.0, 3633633.2, 1.5, 0.0, 0.0);
( 497770.0, 3633633.2, 1.5, 0.0, 0.0); ( 498020.0, 3633633.2, 1.5, 0.0, 0.0);
( 498070.0, 3633633.2, 1.5, 0.0, 0.0); ( 498120.0, 3633633.2, 1.5, 0.0, 0.0);



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 498170.0, 3633633.2, 1.5, 0.0, 0.0); ( 498220.0, 3633633.2, 1.5, 0.0, 0.0);
( 498270.0, 3633633.2, 1.5, 0.0, 0.0); ( 498320.0, 3633633.2, 1.5, 0.0, 0.0);
( 498370.0, 3633633.2, 1.5, 0.0, 0.0); ( 498420.0, 3633633.2, 1.5, 0.0, 0.0);
( 498470.0, 3633633.2, 1.5, 0.0, 0.0); ( 498520.0, 3633633.2, 1.5, 0.0, 0.0);
( 498570.0, 3633633.2, 1.5, 0.0, 0.0); ( 498620.0, 3633633.2, 1.5, 0.0, 0.0);
( 498670.0, 3633633.2, 1.5, 0.0, 0.0); ( 498720.0, 3633633.2, 1.5, 0.0, 0.0);
( 498770.0, 3633633.2, 1.5, 0.0, 0.0); ( 498820.0, 3633633.2, 1.5, 0.0, 0.0);
( 498870.0, 3633633.2, 1.5, 0.0, 0.0); ( 499720.0, 3633633.2, 1.5, 0.0, 0.0);
( 499770.0, 3633633.2, 1.5, 0.0, 0.0); ( 499820.0, 3633633.2, 1.5, 0.0, 0.0);
( 499870.0, 3633633.2, 1.5, 0.0, 0.0); ( 499920.0, 3633633.2, 1.5, 0.0, 0.0);
( 497720.0, 3633683.2, 1.5, 0.0, 0.0); ( 497770.0, 3633683.2, 1.5, 0.0, 0.0);
( 497970.0, 3633683.2, 1.5, 0.0, 0.0); ( 498020.0, 3633683.2, 1.5, 0.0, 0.0);
( 498070.0, 3633683.2, 1.5, 0.0, 0.0); ( 498120.0, 3633683.2, 1.5, 0.0, 0.0);
( 498170.0, 3633683.2, 1.5, 0.0, 0.0); ( 498220.0, 3633683.2, 1.5, 0.0, 0.0);
( 498270.0, 3633683.2, 1.5, 0.0, 0.0); ( 498320.0, 3633683.2, 1.5, 0.0, 0.0);
( 498370.0, 3633683.2, 1.5, 0.0, 0.0); ( 498420.0, 3633683.2, 1.5, 0.0, 0.0);
( 498470.0, 3633683.2, 1.5, 0.0, 0.0); ( 498520.0, 3633683.2, 1.5, 0.0, 0.0);
( 498570.0, 3633683.2, 1.5, 0.0, 0.0); ( 498620.0, 3633683.2, 1.5, 0.0, 0.0);
( 498670.0, 3633683.2, 1.5, 0.0, 0.0); ( 498720.0, 3633683.2, 1.5, 0.0, 0.0);
( 498770.0, 3633683.2, 1.5, 0.0, 0.0); ( 498820.0, 3633683.2, 1.5, 0.0, 0.0);
( 498870.0, 3633683.2, 1.5, 0.0, 0.0); ( 498920.0, 3633683.2, 1.5, 0.0, 0.0);
( 499720.0, 3633683.2, 1.5, 0.0, 0.0); ( 499770.0, 3633683.2, 1.5, 0.0, 0.0);
( 499820.0, 3633683.2, 1.5, 0.0, 0.0); ( 499870.0, 3633683.2, 1.5, 0.0, 0.0);
( 499920.0, 3633683.2, 1.5, 0.0, 0.0); ( 497720.0, 3633733.2, 1.5, 0.0, 0.0);
( 497770.0, 3633733.2, 1.5, 0.0, 0.0); ( 497920.0, 3633733.2, 1.5, 0.0, 0.0);
( 497970.0, 3633733.2, 1.5, 0.0, 0.0); ( 498020.0, 3633733.2, 1.5, 0.0, 0.0);
( 498070.0, 3633733.2, 1.5, 0.0, 0.0); ( 498120.0, 3633733.2, 1.5, 0.0, 0.0);
( 498170.0, 3633733.2, 1.5, 0.0, 0.0); ( 498220.0, 3633733.2, 1.5, 0.0, 0.0);
( 498270.0, 3633733.2, 1.5, 0.0, 0.0); ( 498320.0, 3633733.2, 1.5, 0.0, 0.0);
( 498370.0, 3633733.2, 1.5, 0.0, 0.0); ( 498420.0, 3633733.2, 1.5, 0.0, 0.0);
( 498470.0, 3633733.2, 1.5, 0.0, 0.0); ( 498520.0, 3633733.2, 1.5, 0.0, 0.0);
( 498570.0, 3633733.2, 1.5, 0.0, 0.0); ( 498620.0, 3633733.2, 1.5, 0.0, 0.0);
( 498670.0, 3633733.2, 1.5, 0.0, 0.0); ( 498720.0, 3633733.2, 1.5, 0.0, 0.0);
( 498770.0, 3633733.2, 1.5, 0.0, 0.0); ( 498820.0, 3633733.2, 1.5, 0.0, 0.0);
( 498870.0, 3633733.2, 1.5, 0.0, 0.0); ( 498920.0, 3633733.2, 1.5, 0.0, 0.0);
( 499770.0, 3633733.2, 1.5, 0.0, 0.0); ( 499820.0, 3633733.2, 1.5, 0.0, 0.0);
( 499870.0, 3633733.2, 1.5, 0.0, 0.0); ( 499920.0, 3633733.2, 1.5, 0.0, 0.0);
( 497720.0, 3633783.2, 1.5, 0.0, 0.0); ( 497770.0, 3633783.2, 1.5, 0.0, 0.0);
( 497820.0, 3633783.2, 1.5, 0.0, 0.0); ( 497870.0, 3633783.2, 1.5, 0.0, 0.0);
( 497920.0, 3633783.2, 1.5, 0.0, 0.0); ( 497970.0, 3633783.2, 1.5, 0.0, 0.0);
( 498020.0, 3633783.2, 1.5, 0.0, 0.0); ( 498070.0, 3633783.2, 1.5, 0.0, 0.0);
( 498120.0, 3633783.2, 1.5, 0.0, 0.0); ( 498170.0, 3633783.2, 1.5, 0.0, 0.0);
( 498220.0, 3633783.2, 1.5, 0.0, 0.0); ( 498270.0, 3633783.2, 1.5, 0.0, 0.0);
( 498320.0, 3633783.2, 1.5, 0.0, 0.0); ( 498370.0, 3633783.2, 1.5, 0.0, 0.0);
( 498420.0, 3633783.2, 1.5, 0.0, 0.0); ( 498470.0, 3633783.2, 1.5, 0.0, 0.0);



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 498520.0, 3633783.2, 1.5, 0.0, 0.0); ( 498570.0, 3633783.2, 1.5, 0.0, 0.0);
( 498620.0, 3633783.2, 1.5, 0.0, 0.0); ( 498670.0, 3633783.2, 1.5, 0.0, 0.0);
( 498720.0, 3633783.2, 1.5, 0.0, 0.0); ( 498770.0, 3633783.2, 1.5, 0.0, 0.0);
( 498820.0, 3633783.2, 1.5, 0.0, 0.0); ( 498870.0, 3633783.2, 1.5, 0.0, 0.0);
( 498920.0, 3633783.2, 1.5, 0.0, 0.0); ( 499770.0, 3633783.2, 1.5, 0.0, 0.0);
( 499820.0, 3633783.2, 1.5, 0.0, 0.0); ( 499870.0, 3633783.2, 1.5, 0.0, 0.0);
( 499920.0, 3633783.2, 1.5, 0.0, 0.0); ( 497720.0, 3633833.2, 1.5, 0.0, 0.0);
( 497770.0, 3633833.2, 1.5, 0.0, 0.0); ( 497820.0, 3633833.2, 1.5, 0.0, 0.0);
( 497870.0, 3633833.2, 1.5, 0.0, 0.0); ( 497920.0, 3633833.2, 1.5, 0.0, 0.0);
( 497970.0, 3633833.2, 1.5, 0.0, 0.0); ( 498020.0, 3633833.2, 1.5, 0.0, 0.0);
( 498070.0, 3633833.2, 1.5, 0.0, 0.0); ( 498120.0, 3633833.2, 1.5, 0.0, 0.0);
( 498170.0, 3633833.2, 1.5, 0.0, 0.0); ( 498220.0, 3633833.2, 1.5, 0.0, 0.0);
( 498270.0, 3633833.2, 1.5, 0.0, 0.0); ( 498320.0, 3633833.2, 1.5, 0.0, 0.0);
( 498370.0, 3633833.2, 1.5, 0.0, 0.0); ( 498420.0, 3633833.2, 1.5, 0.0, 0.0);
( 498470.0, 3633833.2, 1.5, 0.0, 0.0); ( 498520.0, 3633833.2, 1.5, 0.0, 0.0);
( 498570.0, 3633833.2, 1.5, 0.0, 0.0); ( 498620.0, 3633833.2, 1.5, 0.0, 0.0);
( 498670.0, 3633833.2, 1.5, 0.0, 0.0); ( 498720.0, 3633833.2, 1.5, 0.0, 0.0);
( 498770.0, 3633833.2, 1.5, 0.0, 0.0); ( 498820.0, 3633833.2, 1.5, 0.0, 0.0);
( 498870.0, 3633833.2, 1.5, 0.0, 0.0); ( 498920.0, 3633833.2, 1.5, 0.0, 0.0);
( 499770.0, 3633833.2, 1.5, 0.0, 0.0); ( 499820.0, 3633833.2, 1.5, 0.0, 0.0);

( 499870.0, 3633833.2, 1.5, 0.0, 0.0); ( 499920.0, 3633833.2, 1.5, 0.0, 0.0);
( 497720.0, 3633883.2, 1.5, 0.0, 0.0); ( 497770.0, 3633883.2, 1.5, 0.0, 0.0);
( 497820.0, 3633883.2, 1.5, 0.0, 0.0); ( 497870.0, 3633883.2, 1.5, 0.0, 0.0);
( 497920.0, 3633883.2, 1.5, 0.0, 0.0); ( 497970.0, 3633883.2, 1.5, 0.0, 0.0);
( 498020.0, 3633883.2, 1.5, 0.0, 0.0); ( 498070.0, 3633883.2, 1.5, 0.0, 0.0);
( 498120.0, 3633883.2, 1.5, 0.0, 0.0); ( 498170.0, 3633883.2, 1.5, 0.0, 0.0);
( 498220.0, 3633883.2, 1.5, 0.0, 0.0); ( 498270.0, 3633883.2, 1.5, 0.0, 0.0);
( 498320.0, 3633883.2, 1.5, 0.0, 0.0); ( 498370.0, 3633883.2, 1.5, 0.0, 0.0);
( 498420.0, 3633883.2, 1.5, 0.0, 0.0); ( 498470.0, 3633883.2, 1.5, 0.0, 0.0);
( 498520.0, 3633883.2, 1.5, 0.0, 0.0); ( 498570.0, 3633883.2, 1.5, 0.0, 0.0);
( 498620.0, 3633883.2, 1.5, 0.0, 0.0); ( 498670.0, 3633883.2, 1.5, 0.0, 0.0);
( 498720.0, 3633883.2, 1.5, 0.0, 0.0); ( 498770.0, 3633883.2, 1.5, 0.0, 0.0);
( 498820.0, 3633883.2, 1.5, 0.0, 0.0); ( 498870.0, 3633883.2, 1.5, 0.0, 0.0);
( 498920.0, 3633883.2, 1.5, 0.0, 0.0); ( 498970.0, 3633883.2, 1.5, 0.0, 0.0);
( 499720.0, 3633883.2, 1.5, 0.0, 0.0); ( 499770.0, 3633883.2, 1.5, 0.0, 0.0);
( 499820.0, 3633883.2, 1.5, 0.0, 0.0); ( 499870.0, 3633883.2, 1.5, 0.0, 0.0);
( 499920.0, 3633883.2, 1.5, 0.0, 0.0); ( 497720.0, 3633933.2, 1.5, 0.0, 0.0);
( 497770.0, 3633933.2, 1.5, 0.0, 0.0); ( 497820.0, 3633933.2, 1.5, 0.0, 0.0);
( 497870.0, 3633933.2, 1.5, 0.0, 0.0); ( 497920.0, 3633933.2, 1.5, 0.0, 0.0);
( 497970.0, 3633933.2, 1.5, 0.0, 0.0); ( 498020.0, 3633933.2, 1.5, 0.0, 0.0);
( 498070.0, 3633933.2, 1.5, 0.0, 0.0); ( 498120.0, 3633933.2, 1.5, 0.0, 0.0);
( 498170.0, 3633933.2, 1.5, 0.0, 0.0); ( 498220.0, 3633933.2, 1.5, 0.0, 0.0);
( 498270.0, 3633933.2, 1.5, 0.0, 0.0); ( 498320.0, 3633933.2, 1.5, 0.0, 0.0);
( 498370.0, 3633933.2, 1.5, 0.0, 0.0); ( 498420.0, 3633933.2, 1.5, 0.0, 0.0);
( 498470.0, 3633933.2, 1.5, 0.0, 0.0); ( 498520.0, 3633933.2, 1.5, 0.0, 0.0);



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 498570.0, 3633933.2, 1.5, 0.0, 0.0); ( 498620.0, 3633933.2, 1.5, 0.0, 0.0);
( 498670.0, 3633933.2, 1.5, 0.0, 0.0); ( 498720.0, 3633933.2, 1.5, 0.0, 0.0);
( 498770.0, 3633933.2, 1.5, 0.0, 0.0); ( 498820.0, 3633933.2, 1.5, 0.0, 0.0);
( 498870.0, 3633933.2, 1.5, 0.0, 0.0); ( 498920.0, 3633933.2, 1.5, 0.0, 0.0);
( 498970.0, 3633933.2, 1.5, 0.0, 0.0); ( 499020.0, 3633933.2, 1.5, 0.0, 0.0);
( 499070.0, 3633933.2, 1.5, 0.0, 0.0); ( 499220.0, 3633933.2, 1.5, 0.0, 0.0);
( 499720.0, 3633933.2, 1.5, 0.0, 0.0); ( 499770.0, 3633933.2, 1.5, 0.0, 0.0);
( 499820.0, 3633933.2, 1.5, 0.0, 0.0); ( 499870.0, 3633933.2, 1.5, 0.0, 0.0);
( 499920.0, 3633933.2, 1.5, 0.0, 0.0); ( 497720.0, 3633983.2, 1.5, 0.0, 0.0);
( 497770.0, 3633983.2, 1.5, 0.0, 0.0); ( 497820.0, 3633983.2, 1.5, 0.0, 0.0);
( 497870.0, 3633983.2, 1.5, 0.0, 0.0); ( 497920.0, 3633983.2, 1.5, 0.0, 0.0);
( 497970.0, 3633983.2, 1.5, 0.0, 0.0); ( 498020.0, 3633983.2, 1.5, 0.0, 0.0);
( 498070.0, 3633983.2, 1.5, 0.0, 0.0); ( 498120.0, 3633983.2, 1.5, 0.0, 0.0);
( 498170.0, 3633983.2, 1.5, 0.0, 0.0); ( 498220.0, 3633983.2, 1.5, 0.0, 0.0);
( 498270.0, 3633983.2, 1.5, 0.0, 0.0); ( 498320.0, 3633983.2, 1.5, 0.0, 0.0);
( 498370.0, 3633983.2, 1.5, 0.0, 0.0); ( 498420.0, 3633983.2, 1.5, 0.0, 0.0);
( 498470.0, 3633983.2, 1.5, 0.0, 0.0); ( 498520.0, 3633983.2, 1.5, 0.0, 0.0);
( 498570.0, 3633983.2, 1.5, 0.0, 0.0); ( 498620.0, 3633983.2, 1.5, 0.0, 0.0);
( 498670.0, 3633983.2, 1.5, 0.0, 0.0); ( 498720.0, 3633983.2, 1.5, 0.0, 0.0);
( 498770.0, 3633983.2, 1.5, 0.0, 0.0); ( 498820.0, 3633983.2, 1.5, 0.0, 0.0);
( 498870.0, 3633983.2, 1.5, 0.0, 0.0); ( 498920.0, 3633983.2, 1.5, 0.0, 0.0);
( 498970.0, 3633983.2, 1.5, 0.0, 0.0); ( 499020.0, 3633983.2, 1.5, 0.0, 0.0);
( 499070.0, 3633983.2, 1.5, 0.0, 0.0); ( 499120.0, 3633983.2, 1.5, 0.0, 0.0);
( 499170.0, 3633983.2, 1.5, 0.0, 0.0); ( 499220.0, 3633983.2, 1.5, 0.0, 0.0);
( 499270.0, 3633983.2, 1.5, 0.0, 0.0); ( 499320.0, 3633983.2, 1.5, 0.0, 0.0);
( 499370.0, 3633983.2, 1.5, 0.0, 0.0); ( 499420.0, 3633983.2, 1.5, 0.0, 0.0);
( 499470.0, 3633983.2, 1.5, 0.0, 0.0); ( 499520.0, 3633983.2, 1.5, 0.0, 0.0);
( 499570.0, 3633983.2, 1.5, 0.0, 0.0); ( 499620.0, 3633983.2, 1.5, 0.0, 0.0);
( 499720.0, 3633983.2, 1.5, 0.0, 0.0); ( 499770.0, 3633983.2, 1.5, 0.0, 0.0);
( 499820.0, 3633983.2, 1.5, 0.0, 0.0); ( 499870.0, 3633983.2, 1.5, 0.0, 0.0);
( 499920.0, 3633983.2, 1.5, 0.0, 0.0); ( 497720.0, 3634033.2, 1.5, 0.0, 0.0);
( 497770.0, 3634033.2, 1.5, 0.0, 0.0); ( 497820.0, 3634033.2, 1.5, 0.0, 0.0);
( 497870.0, 3634033.2, 1.5, 0.0, 0.0); ( 497920.0, 3634033.2, 1.5, 0.0, 0.0);
( 497970.0, 3634033.2, 1.5, 0.0, 0.0); ( 498020.0, 3634033.2, 1.5, 0.0, 0.0);
( 498070.0, 3634033.2, 1.5, 0.0, 0.0); ( 498120.0, 3634033.2, 1.5, 0.0, 0.0);
( 498170.0, 3634033.2, 1.5, 0.0, 0.0); ( 498220.0, 3634033.2, 1.5, 0.0, 0.0);
( 498270.0, 3634033.2, 1.5, 0.0, 0.0); ( 498320.0, 3634033.2, 1.5, 0.0, 0.0);
( 498370.0, 3634033.2, 1.5, 0.0, 0.0); ( 498420.0, 3634033.2, 1.5, 0.0, 0.0);
( 498470.0, 3634033.2, 1.5, 0.0, 0.0); ( 498520.0, 3634033.2, 1.5, 0.0, 0.0);
( 498570.0, 3634033.2, 1.5, 0.0, 0.0); ( 498620.0, 3634033.2, 1.5, 0.0, 0.0);
( 498670.0, 3634033.2, 1.5, 0.0, 0.0); ( 498720.0, 3634033.2, 1.5, 0.0, 0.0);
( 498770.0, 3634033.2, 1.5, 0.0, 0.0); ( 498820.0, 3634033.2, 1.5, 0.0, 0.0);
( 498870.0, 3634033.2, 1.5, 0.0, 0.0); ( 498920.0, 3634033.2, 1.5, 0.0, 0.0);
( 498970.0, 3634033.2, 1.5, 0.0, 0.0); ( 499020.0, 3634033.2, 1.5, 0.0, 0.0);
( 499070.0, 3634033.2, 1.5, 0.0, 0.0); ( 499120.0, 3634033.2, 1.5, 0.0, 0.0);



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 499170.0, 3634033.2, 1.5, 0.0, 0.0); ( 499220.0, 3634033.2, 1.5, 0.0, 0.0);
( 499270.0, 3634033.2, 1.5, 0.0, 0.0); ( 499320.0, 3634033.2, 1.5, 0.0, 0.0);
( 499370.0, 3634033.2, 1.5, 0.0, 0.0); ( 499420.0, 3634033.2, 1.5, 0.0, 0.0);

( 499470.0, 3634033.2, 1.5, 0.0, 0.0); ( 499520.0, 3634033.2, 1.5, 0.0, 0.0);
( 499570.0, 3634033.2, 1.5, 0.0, 0.0); ( 499620.0, 3634033.2, 1.5, 0.0, 0.0);
( 499670.0, 3634033.2, 1.5, 0.0, 0.0); ( 499720.0, 3634033.2, 1.5, 0.0, 0.0);
( 499770.0, 3634033.2, 1.5, 0.0, 0.0); ( 499820.0, 3634033.2, 1.5, 0.0, 0.0);
( 499870.0, 3634033.2, 1.5, 0.0, 0.0); ( 499920.0, 3634033.2, 1.5, 0.0, 0.0);
( 497720.0, 3634083.2, 1.5, 0.0, 0.0); ( 497770.0, 3634083.2, 1.5, 0.0, 0.0);
( 497820.0, 3634083.2, 1.5, 0.0, 0.0); ( 497870.0, 3634083.2, 1.5, 0.0, 0.0);
( 497920.0, 3634083.2, 1.5, 0.0, 0.0); ( 497970.0, 3634083.2, 1.5, 0.0, 0.0);
( 498020.0, 3634083.2, 1.5, 0.0, 0.0); ( 498070.0, 3634083.2, 1.5, 0.0, 0.0);
( 498120.0, 3634083.2, 1.5, 0.0, 0.0); ( 498170.0, 3634083.2, 1.5, 0.0, 0.0);
( 498220.0, 3634083.2, 1.5, 0.0, 0.0); ( 498270.0, 3634083.2, 1.5, 0.0, 0.0);
( 498320.0, 3634083.2, 1.5, 0.0, 0.0); ( 498370.0, 3634083.2, 1.5, 0.0, 0.0);
( 498420.0, 3634083.2, 1.5, 0.0, 0.0); ( 498470.0, 3634083.2, 1.5, 0.0, 0.0);
( 498520.0, 3634083.2, 1.5, 0.0, 0.0); ( 498570.0, 3634083.2, 1.5, 0.0, 0.0);
( 498620.0, 3634083.2, 1.5, 0.0, 0.0); ( 498670.0, 3634083.2, 1.5, 0.0, 0.0);
( 498720.0, 3634083.2, 1.5, 0.0, 0.0); ( 498770.0, 3634083.2, 1.5, 0.0, 0.0);
( 498820.0, 3634083.2, 1.5, 0.0, 0.0); ( 498870.0, 3634083.2, 1.5, 0.0, 0.0);
( 498920.0, 3634083.2, 1.5, 0.0, 0.0); ( 498970.0, 3634083.2, 1.5, 0.0, 0.0);
( 499020.0, 3634083.2, 1.5, 0.0, 0.0); ( 499070.0, 3634083.2, 1.5, 0.0, 0.0);
( 499120.0, 3634083.2, 1.5, 0.0, 0.0); ( 499170.0, 3634083.2, 1.5, 0.0, 0.0);
( 499220.0, 3634083.2, 1.5, 0.0, 0.0); ( 499270.0, 3634083.2, 1.5, 0.0, 0.0);
( 499320.0, 3634083.2, 1.5, 0.0, 0.0); ( 499370.0, 3634083.2, 1.5, 0.0, 0.0);
( 499420.0, 3634083.2, 1.5, 0.0, 0.0); ( 499470.0, 3634083.2, 1.5, 0.0, 0.0);
( 499520.0, 3634083.2, 1.5, 0.0, 0.0); ( 499570.0, 3634083.2, 1.5, 0.0, 0.0);
( 499620.0, 3634083.2, 1.5, 0.0, 0.0); ( 499670.0, 3634083.2, 1.5, 0.0, 0.0);
( 499720.0, 3634083.2, 1.5, 0.0, 0.0); ( 499770.0, 3634083.2, 1.5, 0.0, 0.0);
( 499820.0, 3634083.2, 1.5, 0.0, 0.0); ( 499870.0, 3634083.2, 1.5, 0.0, 0.0);
( 499920.0, 3634083.2, 1.5, 0.0, 0.0); ( 497720.0, 3634133.2, 1.5, 0.0, 0.0);
( 497770.0, 3634133.2, 1.5, 0.0, 0.0); ( 497820.0, 3634133.2, 1.5, 0.0, 0.0);
( 497870.0, 3634133.2, 1.5, 0.0, 0.0); ( 497920.0, 3634133.2, 1.5, 0.0, 0.0);
( 497970.0, 3634133.2, 1.5, 0.0, 0.0); ( 498020.0, 3634133.2, 1.5, 0.0, 0.0);
( 498070.0, 3634133.2, 1.5, 0.0, 0.0); ( 498120.0, 3634133.2, 1.5, 0.0, 0.0);
( 498170.0, 3634133.2, 1.5, 0.0, 0.0); ( 498220.0, 3634133.2, 1.5, 0.0, 0.0);
( 498270.0, 3634133.2, 1.5, 0.0, 0.0); ( 498320.0, 3634133.2, 1.5, 0.0, 0.0);
( 498370.0, 3634133.2, 1.5, 0.0, 0.0); ( 498420.0, 3634133.2, 1.5, 0.0, 0.0);
( 498470.0, 3634133.2, 1.5, 0.0, 0.0); ( 498520.0, 3634133.2, 1.5, 0.0, 0.0);
( 498570.0, 3634133.2, 1.5, 0.0, 0.0); ( 498620.0, 3634133.2, 1.5, 0.0, 0.0);
( 498670.0, 3634133.2, 1.5, 0.0, 0.0); ( 498720.0, 3634133.2, 1.5, 0.0, 0.0);
( 498770.0, 3634133.2, 1.5, 0.0, 0.0); ( 498820.0, 3634133.2, 1.5, 0.0, 0.0);
( 498870.0, 3634133.2, 1.5, 0.0, 0.0); ( 498920.0, 3634133.2, 1.5, 0.0, 0.0);
( 498970.0, 3634133.2, 1.5, 0.0, 0.0); ( 499020.0, 3634133.2, 1.5, 0.0, 0.0);
( 499070.0, 3634133.2, 1.5, 0.0, 0.0); ( 499120.0, 3634133.2, 1.5, 0.0, 0.0);



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 499170.0, 3634133.2, 1.5, 0.0, 0.0); ( 499220.0, 3634133.2, 1.5, 0.0, 0.0);
( 499270.0, 3634133.2, 1.5, 0.0, 0.0); ( 499320.0, 3634133.2, 1.5, 0.0, 0.0);
( 499370.0, 3634133.2, 1.5, 0.0, 0.0); ( 499420.0, 3634133.2, 1.5, 0.0, 0.0);
( 499470.0, 3634133.2, 1.5, 0.0, 0.0); ( 499520.0, 3634133.2, 1.5, 0.0, 0.0);
( 499570.0, 3634133.2, 1.5, 0.0, 0.0); ( 499620.0, 3634133.2, 1.5, 0.0, 0.0);
( 499670.0, 3634133.2, 1.5, 0.0, 0.0); ( 499720.0, 3634133.2, 1.5, 0.0, 0.0);
( 499770.0, 3634133.2, 1.5, 0.0, 0.0); ( 499820.0, 3634133.2, 1.5, 0.0, 0.0);
( 499870.0, 3634133.2, 1.5, 0.0, 0.0); ( 499920.0, 3634133.2, 1.5, 0.0, 0.0);
( 497720.0, 3634183.2, 1.5, 0.0, 0.0); ( 497770.0, 3634183.2, 1.5, 0.0, 0.0);
( 497820.0, 3634183.2, 1.5, 0.0, 0.0); ( 497870.0, 3634183.2, 1.5, 0.0, 0.0);
( 497920.0, 3634183.2, 1.5, 0.0, 0.0); ( 497970.0, 3634183.2, 1.5, 0.0, 0.0);
( 498020.0, 3634183.2, 1.5, 0.0, 0.0); ( 498070.0, 3634183.2, 1.5, 0.0, 0.0);
( 498120.0, 3634183.2, 1.5, 0.0, 0.0); ( 498170.0, 3634183.2, 1.5, 0.0, 0.0);
( 498220.0, 3634183.2, 1.5, 0.0, 0.0); ( 498270.0, 3634183.2, 1.5, 0.0, 0.0);
( 498320.0, 3634183.2, 1.5, 0.0, 0.0); ( 498370.0, 3634183.2, 1.5, 0.0, 0.0);
( 498420.0, 3634183.2, 1.5, 0.0, 0.0); ( 498470.0, 3634183.2, 1.5, 0.0, 0.0);
( 498520.0, 3634183.2, 1.5, 0.0, 0.0); ( 498570.0, 3634183.2, 1.5, 0.0, 0.0);
( 498620.0, 3634183.2, 1.5, 0.0, 0.0); ( 498670.0, 3634183.2, 1.5, 0.0, 0.0);
( 498720.0, 3634183.2, 1.5, 0.0, 0.0); ( 498770.0, 3634183.2, 1.5, 0.0, 0.0);
( 498820.0, 3634183.2, 1.5, 0.0, 0.0); ( 498870.0, 3634183.2, 1.5, 0.0, 0.0);
( 498920.0, 3634183.2, 1.5, 0.0, 0.0); ( 498970.0, 3634183.2, 1.5, 0.0, 0.0);
( 499020.0, 3634183.2, 1.5, 0.0, 0.0); ( 499070.0, 3634183.2, 1.5, 0.0, 0.0);
( 499120.0, 3634183.2, 1.5, 0.0, 0.0); ( 499170.0, 3634183.2, 1.5, 0.0, 0.0);
( 499220.0, 3634183.2, 1.5, 0.0, 0.0); ( 499270.0, 3634183.2, 1.5, 0.0, 0.0);
( 499320.0, 3634183.2, 1.5, 0.0, 0.0); ( 499370.0, 3634183.2, 1.5, 0.0, 0.0);
( 499420.0, 3634183.2, 1.5, 0.0, 0.0); ( 499470.0, 3634183.2, 1.5, 0.0, 0.0);
( 499520.0, 3634183.2, 1.5, 0.0, 0.0); ( 499570.0, 3634183.2, 1.5, 0.0, 0.0);
( 499620.0, 3634183.2, 1.5, 0.0, 0.0); ( 499670.0, 3634183.2, 1.5, 0.0, 0.0);
( 499720.0, 3634183.2, 1.5, 0.0, 0.0); ( 499770.0, 3634183.2, 1.5, 0.0, 0.0);
( 499820.0, 3634183.2, 1.5, 0.0, 0.0); ( 499870.0, 3634183.2, 1.5, 0.0, 0.0);
( 499920.0, 3634183.2, 1.5, 0.0, 0.0); ( 497720.0, 3634233.2, 1.5, 0.0, 0.0);
( 497770.0, 3634233.2, 1.5, 0.0, 0.0); ( 497820.0, 3634233.2, 1.5, 0.0, 0.0);
( 497870.0, 3634233.2, 1.5, 0.0, 0.0); ( 497920.0, 3634233.2, 1.5, 0.0, 0.0);
( 497970.0, 3634233.2, 1.5, 0.0, 0.0); ( 498020.0, 3634233.2, 1.5, 0.0, 0.0);
( 498070.0, 3634233.2, 1.5, 0.0, 0.0); ( 498120.0, 3634233.2, 1.5, 0.0, 0.0);
( 498170.0, 3634233.2, 1.5, 0.0, 0.0); ( 498220.0, 3634233.2, 1.5, 0.0, 0.0);
( 498270.0, 3634233.2, 1.5, 0.0, 0.0); ( 498320.0, 3634233.2, 1.5, 0.0, 0.0);
( 498370.0, 3634233.2, 1.5, 0.0, 0.0); ( 498420.0, 3634233.2, 1.5, 0.0, 0.0);
( 498470.0, 3634233.2, 1.5, 0.0, 0.0); ( 498520.0, 3634233.2, 1.5, 0.0, 0.0);
( 498570.0, 3634233.2, 1.5, 0.0, 0.0); ( 498620.0, 3634233.2, 1.5, 0.0, 0.0);

( 498670.0, 3634233.2, 1.5, 0.0, 0.0); ( 498720.0, 3634233.2, 1.5, 0.0, 0.0);
( 498770.0, 3634233.2, 1.5, 0.0, 0.0); ( 498820.0, 3634233.2, 1.5, 0.0, 0.0);
( 498870.0, 3634233.2, 1.5, 0.0, 0.0); ( 498920.0, 3634233.2, 1.5, 0.0, 0.0);
( 498970.0, 3634233.2, 1.5, 0.0, 0.0); ( 499020.0, 3634233.2, 1.5, 0.0, 0.0);
( 499070.0, 3634233.2, 1.5, 0.0, 0.0); ( 499120.0, 3634233.2, 1.5, 0.0, 0.0);



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 499170.0, 3634233.2, 1.5, 0.0, 0.0); ( 499220.0, 3634233.2, 1.5, 0.0, 0.0);
( 499270.0, 3634233.2, 1.5, 0.0, 0.0); ( 499320.0, 3634233.2, 1.5, 0.0, 0.0);
( 499370.0, 3634233.2, 1.5, 0.0, 0.0); ( 499420.0, 3634233.2, 1.5, 0.0, 0.0);
( 499470.0, 3634233.2, 1.5, 0.0, 0.0); ( 499520.0, 3634233.2, 1.5, 0.0, 0.0);
( 499570.0, 3634233.2, 1.5, 0.0, 0.0); ( 499620.0, 3634233.2, 1.5, 0.0, 0.0);
( 499670.0, 3634233.2, 1.5, 0.0, 0.0); ( 499720.0, 3634233.2, 1.5, 0.0, 0.0);
( 499770.0, 3634233.2, 1.5, 0.0, 0.0); ( 499820.0, 3634233.2, 1.5, 0.0, 0.0);
( 499870.0, 3634233.2, 1.5, 0.0, 0.0); ( 499920.0, 3634233.2, 1.5, 0.0, 0.0);
( 497720.0, 3634283.2, 1.5, 0.0, 0.0); ( 497770.0, 3634283.2, 1.5, 0.0, 0.0);
( 497820.0, 3634283.2, 1.5, 0.0, 0.0); ( 497870.0, 3634283.2, 1.5, 0.0, 0.0);
( 497920.0, 3634283.2, 1.5, 0.0, 0.0); ( 497970.0, 3634283.2, 1.5, 0.0, 0.0);
( 498020.0, 3634283.2, 1.5, 0.0, 0.0); ( 498070.0, 3634283.2, 1.5, 0.0, 0.0);
( 498120.0, 3634283.2, 1.5, 0.0, 0.0); ( 498170.0, 3634283.2, 1.5, 0.0, 0.0);
( 498220.0, 3634283.2, 1.5, 0.0, 0.0); ( 498270.0, 3634283.2, 1.5, 0.0, 0.0);
( 498320.0, 3634283.2, 1.5, 0.0, 0.0); ( 498370.0, 3634283.2, 1.5, 0.0, 0.0);
( 498420.0, 3634283.2, 1.5, 0.0, 0.0); ( 498470.0, 3634283.2, 1.5, 0.0, 0.0);
( 498520.0, 3634283.2, 1.5, 0.0, 0.0); ( 498570.0, 3634283.2, 1.5, 0.0, 0.0);
( 498620.0, 3634283.2, 1.5, 0.0, 0.0); ( 498670.0, 3634283.2, 1.5, 0.0, 0.0);
( 498720.0, 3634283.2, 1.5, 0.0, 0.0); ( 498770.0, 3634283.2, 1.5, 0.0, 0.0);
( 498820.0, 3634283.2, 1.5, 0.0, 0.0); ( 498870.0, 3634283.2, 1.5, 0.0, 0.0);
( 498920.0, 3634283.2, 1.5, 0.0, 0.0); ( 498970.0, 3634283.2, 1.5, 0.0, 0.0);
( 499020.0, 3634283.2, 1.5, 0.0, 0.0); ( 499070.0, 3634283.2, 1.5, 0.0, 0.0);
( 499120.0, 3634283.2, 1.5, 0.0, 0.0); ( 499170.0, 3634283.2, 1.5, 0.0, 0.0);
( 499220.0, 3634283.2, 1.5, 0.0, 0.0); ( 499270.0, 3634283.2, 1.5, 0.0, 0.0);
( 499320.0, 3634283.2, 1.5, 0.0, 0.0); ( 499370.0, 3634283.2, 1.5, 0.0, 0.0);
( 499420.0, 3634283.2, 1.5, 0.0, 0.0); ( 499470.0, 3634283.2, 1.5, 0.0, 0.0);
( 499520.0, 3634283.2, 1.5, 0.0, 0.0); ( 499570.0, 3634283.2, 1.5, 0.0, 0.0);
( 499620.0, 3634283.2, 1.5, 0.0, 0.0); ( 499670.0, 3634283.2, 1.5, 0.0, 0.0);
( 499720.0, 3634283.2, 1.5, 0.0, 0.0); ( 499770.0, 3634283.2, 1.5, 0.0, 0.0);
( 499820.0, 3634283.2, 1.5, 0.0, 0.0); ( 499870.0, 3634283.2, 1.5, 0.0, 0.0);
( 499920.0, 3634283.2, 1.5, 0.0, 0.0); ( 497720.0, 3634333.2, 1.5, 0.0, 0.0);
( 497770.0, 3634333.2, 1.5, 0.0, 0.0); ( 497820.0, 3634333.2, 1.5, 0.0, 0.0);
( 497870.0, 3634333.2, 1.5, 0.0, 0.0); ( 497920.0, 3634333.2, 1.5, 0.0, 0.0);
( 497970.0, 3634333.2, 1.5, 0.0, 0.0); ( 498020.0, 3634333.2, 1.5, 0.0, 0.0);
( 498070.0, 3634333.2, 1.5, 0.0, 0.0); ( 498120.0, 3634333.2, 1.5, 0.0, 0.0);
( 498170.0, 3634333.2, 1.5, 0.0, 0.0); ( 498220.0, 3634333.2, 1.5, 0.0, 0.0);
( 498270.0, 3634333.2, 1.5, 0.0, 0.0); ( 498320.0, 3634333.2, 1.5, 0.0, 0.0);
( 498370.0, 3634333.2, 1.5, 0.0, 0.0); ( 498420.0, 3634333.2, 1.5, 0.0, 0.0);
( 498470.0, 3634333.2, 1.5, 0.0, 0.0); ( 498520.0, 3634333.2, 1.5, 0.0, 0.0);
( 498570.0, 3634333.2, 1.5, 0.0, 0.0); ( 498620.0, 3634333.2, 1.5, 0.0, 0.0);
( 498670.0, 3634333.2, 1.5, 0.0, 0.0); ( 498720.0, 3634333.2, 1.5, 0.0, 0.0);
( 498770.0, 3634333.2, 1.5, 0.0, 0.0); ( 498820.0, 3634333.2, 1.5, 0.0, 0.0);
( 498870.0, 3634333.2, 1.5, 0.0, 0.0); ( 498920.0, 3634333.2, 1.5, 0.0, 0.0);
( 498970.0, 3634333.2, 1.5, 0.0, 0.0); ( 499020.0, 3634333.2, 1.5, 0.0, 0.0);
( 499070.0, 3634333.2, 1.5, 0.0, 0.0); ( 499120.0, 3634333.2, 1.5, 0.0, 0.0);



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 499170.0, 3634333.2, 1.5, 0.0, 0.0); ( 499220.0, 3634333.2, 1.5, 0.0, 0.0);
( 499270.0, 3634333.2, 1.5, 0.0, 0.0); ( 499320.0, 3634333.2, 1.5, 0.0, 0.0);
( 499370.0, 3634333.2, 1.5, 0.0, 0.0); ( 499420.0, 3634333.2, 1.5, 0.0, 0.0);
( 499470.0, 3634333.2, 1.5, 0.0, 0.0); ( 499520.0, 3634333.2, 1.5, 0.0, 0.0);
( 499570.0, 3634333.2, 1.5, 0.0, 0.0); ( 499620.0, 3634333.2, 1.5, 0.0, 0.0);
( 499670.0, 3634333.2, 1.5, 0.0, 0.0); ( 499720.0, 3634333.2, 1.5, 0.0, 0.0);
( 499770.0, 3634333.2, 1.5, 0.0, 0.0); ( 499820.0, 3634333.2, 1.5, 0.0, 0.0);
( 499870.0, 3634333.2, 1.5, 0.0, 0.0); ( 499920.0, 3634333.2, 1.5, 0.0, 0.0);
( 497720.0, 3634383.2, 1.5, 0.0, 0.0); ( 497770.0, 3634383.2, 1.5, 0.0, 0.0);
( 497820.0, 3634383.2, 1.5, 0.0, 0.0); ( 497870.0, 3634383.2, 1.5, 0.0, 0.0);
( 497920.0, 3634383.2, 1.5, 0.0, 0.0); ( 497970.0, 3634383.2, 1.5, 0.0, 0.0);
( 498020.0, 3634383.2, 1.5, 0.0, 0.0); ( 498070.0, 3634383.2, 1.5, 0.0, 0.0);
( 498120.0, 3634383.2, 1.5, 0.0, 0.0); ( 498170.0, 3634383.2, 1.5, 0.0, 0.0);
( 498220.0, 3634383.2, 1.5, 0.0, 0.0); ( 498270.0, 3634383.2, 1.5, 0.0, 0.0);
( 498320.0, 3634383.2, 1.5, 0.0, 0.0); ( 498370.0, 3634383.2, 1.5, 0.0, 0.0);
( 498420.0, 3634383.2, 1.5, 0.0, 0.0); ( 498470.0, 3634383.2, 1.5, 0.0, 0.0);
( 498520.0, 3634383.2, 1.5, 0.0, 0.0); ( 498570.0, 3634383.2, 1.5, 0.0, 0.0);
( 498620.0, 3634383.2, 1.5, 0.0, 0.0); ( 498670.0, 3634383.2, 1.5, 0.0, 0.0);
( 498720.0, 3634383.2, 1.5, 0.0, 0.0); ( 498770.0, 3634383.2, 1.5, 0.0, 0.0);
( 498820.0, 3634383.2, 1.5, 0.0, 0.0); ( 498870.0, 3634383.2, 1.5, 0.0, 0.0);
( 498920.0, 3634383.2, 1.5, 0.0, 0.0); ( 498970.0, 3634383.2, 1.5, 0.0, 0.0);
( 499020.0, 3634383.2, 1.5, 0.0, 0.0); ( 499070.0, 3634383.2, 1.5, 0.0, 0.0);
( 499120.0, 3634383.2, 1.5, 0.0, 0.0); ( 499170.0, 3634383.2, 1.5, 0.0, 0.0);

```
    ( 499220.0, 3634383.2,       1.5,       0.0,       0.0);         ( 499270.0, 3634383.2,       1.5,       0.0,       0.0);
    ( 499320.0, 3634383.2,       1.5,       0.0,       0.0);         ( 499370.0, 3634383.2,       1.5,       0.0,       0.0);
    ( 499420.0, 3634383.2,       1.5,       0.0,       0.0);         ( 499470.0, 3634383.2,       1.5,       0.0,       0.0);
    ( 499520.0, 3634383.2,       1.5,       0.0,       0.0);         ( 499570.0, 3634383.2,       1.5,       0.0,       0.0);
    ( 499620.0, 3634383.2,       1.5,       0.0,       0.0);         ( 499670.0, 3634383.2,       1.5,       0.0,       0.0);
    ( 499720.0, 3634383.2,       1.5,       0.0,       0.0);         ( 499770.0, 3634383.2,       1.5,       0.0,       0.0);
    ( 499820.0, 3634383.2,       1.5,       0.0,       0.0);         ( 499870.0, 3634383.2,       1.5,       0.0,       0.0);
    ( 499920.0, 3634383.2,       1.5,       0.0,       0.0);         ( 497720.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 497770.0, 3634433.2,       1.5,       0.0,       0.0);         ( 497820.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 497870.0, 3634433.2,       1.5,       0.0,       0.0);         ( 497920.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 497970.0, 3634433.2,       1.5,       0.0,       0.0);         ( 498020.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 498070.0, 3634433.2,       1.5,       0.0,       0.0);         ( 498120.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 498170.0, 3634433.2,       1.5,       0.0,       0.0);         ( 498220.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 498270.0, 3634433.2,       1.5,       0.0,       0.0);         ( 498320.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 498370.0, 3634433.2,       1.5,       0.0,       0.0);         ( 498420.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 498470.0, 3634433.2,       1.5,       0.0,       0.0);         ( 498520.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 498570.0, 3634433.2,       1.5,       0.0,       0.0);         ( 498620.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 498670.0, 3634433.2,       1.5,       0.0,       0.0);         ( 498720.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 498770.0, 3634433.2,       1.5,       0.0,       0.0);         ( 498820.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 498870.0, 3634433.2,       1.5,       0.0,       0.0);         ( 498920.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 498970.0, 3634433.2,       1.5,       0.0,       0.0);         ( 499020.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 499070.0, 3634433.2,       1.5,       0.0,       0.0);         ( 499120.0, 3634433.2,       1.5,       0.0,       0.0);
*** AERMOD - VERSION 23132  ***   ***  Carlton DPM Unmitigated                                                    ***        01/26/25
*** AERMET - VERSION  15181 ***   ***                                                                            ***       14:50:44
                                                                                                                           PAGE  18

*** MODELOPTs:    RegDFAULT  CONC  ELEV  DRYDPLT  RURAL

                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                      (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

    ( 499170.0, 3634433.2,       1.5,       0.0,       0.0);         ( 499220.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 499270.0, 3634433.2,       1.5,       0.0,       0.0);         ( 499320.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 499370.0, 3634433.2,       1.5,       0.0,       0.0);         ( 499420.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 499470.0, 3634433.2,       1.5,       0.0,       0.0);         ( 499520.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 499570.0, 3634433.2,       1.5,       0.0,       0.0);         ( 499620.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 499670.0, 3634433.2,       1.5,       0.0,       0.0);         ( 499720.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 499770.0, 3634433.2,       1.5,       0.0,       0.0);         ( 499820.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 499870.0, 3634433.2,       1.5,       0.0,       0.0);         ( 499920.0, 3634433.2,       1.5,       0.0,       0.0);
*** AERMOD - VERSION 23132  ***   ***  Carlton DPM Unmitigated                                                    ***        01/26/25
*** AERMET - VERSION  15181 ***   ***                                                                            ***       14:50:44
                                                                                                                           PAGE  19

*** MODELOPTs:    RegDFAULT  CONC  ELEV  DRYDPLT  RURAL

                                    *** 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 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,
*** AERMOD - VERSION 23132  ***   ***  Carlton DPM Unmitigated                                                    ***        01/26/25
*** AERMET - VERSION  15181 ***   ***                                                                            ***       14:50:44
                                                                                                                           PAGE  20

*** MODELOPTs:    RegDFAULT  CONC  ELEV  DRYDPLT  RURAL

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

   Surface file:   C:\Users\ryan\MYDRIV~1.COM\METDAT~1\ECA_20~1\ECA_2012_V15181.SFC                  Met Version:  15181
   Profile file:   C:\Users\ryan\MYDRIV~1.COM\METDAT~1\ECA_20~1\ECA_2012_V15181.PFL
   Surface format: FREE
   Profile format: FREE
   Surface station no.:    93107                  Upper air station no.:     3190
                 Name: UNKNOWN                                  Name: UNKNOWN
                 Year:   2012                                   Year:   2012

 First 24 hours of scalar data
 YR MO DY HR     H0     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN  Z0 BOWEN  ALB  REF WS   WD   HT  REF TA  HT IPCOD PRATE  RH SFCP CCVR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 12 01 01 01 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.44 1.19 1.00    0.00    0.  10.  280.9  10.  0   0.00   73. 1001.  0
 12 01 01 02  -18.0  0.160 -9.000 -9.000 -999.  154.     20.4 0.09 1.19 1.00    2.86   58.  10.  280.4  10.  0   0.00   73. 1001.  0
 12 01 01 03  -23.7  0.210 -9.000 -9.000 -999.  231.     34.9 0.18 1.19 1.00    2.86   94.  10.  279.2  10.  0   0.00   70. 1001.  0
 12 01 01 04  -20.2  0.178 -9.000 -9.000 -999.  181.     25.1 0.12 1.19 1.00    2.86   83.  10.  278.6  10.  0   0.00   44. 1001.  0
 12 01 01 05  -20.2  0.178 -9.000 -9.000 -999.  181.     25.0 0.12 1.19 1.00    2.86   73.  10.  278.1  10.  0   0.00   51. 1002.  0
 12 01 01 06   -0.6  0.026 -9.000 -9.000 -999.   71.      2.8 0.34 1.19 1.00    0.44  102.  10.  277.5  10.  0   0.00   58. 1002.  0
 12 01 01 07 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.44 1.19 1.00    0.00    0.  10.  277.5  10.  0   0.00   67. 1003.  0
 12 01 01 08 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.44 1.19 0.49    0.00    0.  10.  278.1  10.  0   0.00   50. 1004.  0
 12 01 01 09   35.7 -9.000 -9.000 -9.000   37. -999. -99999.0 0.44 1.19 0.30    0.00    0.  10.  282.5  10.  0   0.00   38. 1005.  0
```

```
12 01 01 10   89.2  0.124  0.645  0.011  108.  105.     -1.9 0.52 1.19 0.23    0.44  296.  10.  286.4  10.  0   0.00   29. 1005.  0
12 01 01 11  126.8  0.130  0.992  0.006  276.  113.     -1.6 0.52 1.19 0.21    0.44  263.  10.  291.4  10.  0   0.00   23. 1004.  0
12 01 01 12  146.2  0.129  1.275  0.005  507.  111.     -1.3 0.46 1.19 0.20    0.44  318.  10.  296.4  10.  0   0.00   20. 1003.  0
12 01 01 13  145.4  0.133  1.451  0.005  751.  116.     -1.4 0.52 1.19 0.20    0.44  299.  10.  299.8  10.  0   0.00   22. 1002.  0
12 01 01 14  124.3  0.199  1.556  0.005 1084.  213.     -5.7 0.52 1.19 0.21    0.89  256.  10.  301.4  10.  0   0.00   19. 1002.  0
12 01 01 15   83.8  0.300  1.434  0.005 1258.  395.    -28.8 0.52 1.19 0.24    1.78  243.  10.  301.9  10.  0   0.00   27. 1002.  0
12 01 01 16   27.5  0.273  1.002  0.005 1306.  343.    -66.2 0.52 1.19 0.33    1.78  282.  10.  301.4  10.  0   0.00   29. 1002.  0
12 01 01 17   -0.6  0.030 -9.000 -9.000 -999.  189.      3.8 0.52 1.19 0.61    0.44  280.  10.  298.1  10.  0   0.00   30. 1002.  0
12 01 01 18   -0.5  0.026 -9.000 -9.000 -999.   77.      2.9 0.34 1.19 1.00    0.44   94.  10.  292.5  10.  0   0.00   52. 1003.  0
12 01 01 19   -0.6  0.028 -9.000 -9.000 -999.   16.      3.2 0.44 1.19 1.00    0.44   88.  10.  290.4  10.  0   0.00   60. 1003.  0
12 01 01 20   -0.6  0.026 -9.000 -9.000 -999.   10.      2.9 0.34 1.19 1.00    0.44  107.  10.  288.1  10.  0   0.00   65. 1004.  0
12 01 01 21   -0.7  0.030 -9.000 -9.000 -999.   12.      3.5 0.52 1.19 1.00    0.44  254.  10.  285.9  10.  0   0.00   70. 1004.  0
12 01 01 22   -0.6  0.026 -9.000 -9.000 -999.   10.      2.8 0.34 1.19 1.00    0.44  103.  10.  284.8  10.  0   0.00   76. 1004.  0
12 01 01 23   -0.6  0.027 -9.000 -9.000 -999.   11.      3.0 0.38 1.19 1.00    0.44  145.  10.  283.1  10.  0   0.00   63. 1004.  0
12 01 01 24   -0.6  0.026 -9.000 -9.000 -999.   10.      2.8 0.34 1.19 1.00    0.44   91.  10.  281.9  10.  0   0.00   55. 1004.  0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 12 01 01 01   10.0 1 -999.  -99.00   280.9 -999.0  -99.00  -99.00

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


```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  DRYDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   1 YEARS FOR SOURCE GROUP: ALL      ***
                                INCLUDING SOURCE(S):     8P4UG00J    , KAM0N00I    , KAM0N00J    ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                     ** CONC OF PM10     IN MICROGRAMS/M**3                      **

       X-COORD (M)   Y-COORD (M)        CONC                     X-COORD (M)   Y-COORD (M)        CONC
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         497720.00    3632833.20        0.01023                    497770.00    3632833.20        0.01034
         497820.00    3632833.20        0.01047                    497870.00    3632833.20        0.01059
         497920.00    3632833.20        0.01073                    497970.00    3632833.20        0.01088
         498020.00    3632833.20        0.01103                    498070.00    3632833.20        0.01120
         498120.00    3632833.20        0.01137                    498170.00    3632833.20        0.01156
         498220.00    3632833.20        0.01175                    498270.00    3632833.20        0.01193
         498320.00    3632833.20        0.01209                    498370.00    3632833.20        0.01222
         498420.00    3632833.20        0.01230                    498470.00    3632833.20        0.01233
         498520.00    3632833.20        0.01230                    498570.00    3632833.20        0.01222
         498620.00    3632833.20        0.01209                    498670.00    3632833.20        0.01194
         498720.00    3632833.20        0.01179                    498770.00    3632833.20        0.01163
         498820.00    3632833.20        0.01150                    498870.00    3632833.20        0.01139
         498920.00    3632833.20        0.01132                    498970.00    3632833.20        0.01131
         499020.00    3632833.20        0.01135                    499070.00    3632833.20        0.01146
         499120.00    3632833.20        0.01162                    499170.00    3632833.20        0.01183
         499220.00    3632833.20        0.01206                    499270.00    3632833.20        0.01229
         499320.00    3632833.20        0.01248                    499370.00    3632833.20        0.01263
         499420.00    3632833.20        0.01271                    499470.00    3632833.20        0.01272
         499520.00    3632833.20        0.01264                    499570.00    3632833.20        0.01249
         499620.00    3632833.20        0.01228                    499670.00    3632833.20        0.01202
         499720.00    3632833.20        0.01172                    499770.00    3632833.20        0.01138
         499820.00    3632833.20        0.01101                    499870.00    3632833.20        0.01060
         499920.00    3632833.20        0.01019                    497720.00    3632883.20        0.01150
         497770.00    3632883.20        0.01166                    497820.00    3632883.20        0.01183
         497870.00    3632883.20        0.01201                    497920.00    3632883.20        0.01220
         497970.00    3632883.20        0.01241                    498020.00    3632883.20        0.01264
         498070.00    3632883.20        0.01288                    498120.00    3632883.20        0.01313
         498170.00    3632883.20        0.01339                    498220.00    3632883.20        0.01364
         498270.00    3632883.20        0.01387                    498320.00    3632883.20        0.01406
         498370.00    3632883.20        0.01418                    498420.00    3632883.20        0.01424
         498470.00    3632883.20        0.01423                    498520.00    3632883.20        0.01416
         498570.00    3632883.20        0.01403                    498620.00    3632883.20        0.01386
         498670.00    3632883.20        0.01366                    498720.00    3632883.20        0.01346
         498770.00    3632883.20        0.01325                    498820.00    3632883.20        0.01304
         498870.00    3632883.20        0.01286                    498920.00    3632883.20        0.01274
         498970.00    3632883.20        0.01268                    499020.00    3632883.20        0.01271
         499070.00    3632883.20        0.01281                    499120.00    3632883.20        0.01300
         499170.00    3632883.20        0.01324                    499220.00    3632883.20        0.01350
         499270.00    3632883.20        0.01374                    499320.00    3632883.20        0.01394
         499370.00    3632883.20        0.01407                    499420.00    3632883.20        0.01412
```


```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  DRYDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   1 YEARS FOR SOURCE GROUP: ALL      ***
                                INCLUDING SOURCE(S):     8P4UG00J    , KAM0N00I    , KAM0N00J    ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                     ** CONC OF PM10     IN MICROGRAMS/M**3                      **

       X-COORD (M)   Y-COORD (M)        CONC                     X-COORD (M)   Y-COORD (M)        CONC
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         499470.00    3632883.20        0.01408                    499520.00    3632883.20        0.01395
```

| | | | | | |
|---|---|---|---|---|---|
| 499570.00 | 3632883.20 | 0.01374 | 499620.00 | 3632883.20 | 0.01345 |
| 499670.00 | 3632883.20 | 0.01311 | 499720.00 | 3632883.20 | 0.01273 |
| 499770.00 | 3632883.20 | 0.01230 | 499820.00 | 3632883.20 | 0.01184 |
| 499870.00 | 3632883.20 | 0.01136 | 499920.00 | 3632883.20 | 0.01086 |
| 497720.00 | 3632933.20 | 0.01300 | 497770.00 | 3632933.20 | 0.01323 |
| 497820.00 | 3632933.20 | 0.01346 | 497870.00 | 3632933.20 | 0.01371 |
| 497920.00 | 3632933.20 | 0.01397 | 497970.00 | 3632933.20 | 0.01425 |
| 498020.00 | 3632933.20 | 0.01456 | 498070.00 | 3632933.20 | 0.01490 |
| 498120.00 | 3632933.20 | 0.01526 | 498170.00 | 3632933.20 | 0.01563 |
| 498220.00 | 3632933.20 | 0.01598 | 498270.00 | 3632933.20 | 0.01629 |
| 498320.00 | 3632933.20 | 0.01652 | 498370.00 | 3632933.20 | 0.01666 |
| 498420.00 | 3632933.20 | 0.01669 | 498470.00 | 3632933.20 | 0.01662 |
| 498520.00 | 3632933.20 | 0.01649 | 498570.00 | 3632933.20 | 0.01632 |
| 498620.00 | 3632933.20 | 0.01610 | 498670.00 | 3632933.20 | 0.01585 |
| 498720.00 | 3632933.20 | 0.01557 | 498770.00 | 3632933.20 | 0.01528 |
| 498820.00 | 3632933.20 | 0.01499 | 498870.00 | 3632933.20 | 0.01471 |
| 498920.00 | 3632933.20 | 0.01450 | 498970.00 | 3632933.20 | 0.01438 |
| 499020.00 | 3632933.20 | 0.01437 | 499070.00 | 3632933.20 | 0.01448 |
| 499120.00 | 3632933.20 | 0.01469 | 499170.00 | 3632933.20 | 0.01498 |
| 499220.00 | 3632933.20 | 0.01527 | 499270.00 | 3632933.20 | 0.01553 |
| 499320.00 | 3632933.20 | 0.01572 | 499370.00 | 3632933.20 | 0.01581 |
| 499420.00 | 3632933.20 | 0.01581 | 499470.00 | 3632933.20 | 0.01570 |
| 499520.00 | 3632933.20 | 0.01549 | 499570.00 | 3632933.20 | 0.01518 |
| 499620.00 | 3632933.20 | 0.01480 | 499670.00 | 3632933.20 | 0.01435 |
| 499720.00 | 3632933.20 | 0.01386 | 499770.00 | 3632933.20 | 0.01333 |
| 499820.00 | 3632933.20 | 0.01277 | 499870.00 | 3632933.20 | 0.01219 |
| 499920.00 | 3632933.20 | 0.01159 | 497720.00 | 3632983.20 | 0.01478 |
| 497770.00 | 3632983.20 | 0.01511 | 497820.00 | 3632983.20 | 0.01544 |
| 497870.00 | 3632983.20 | 0.01578 | 497920.00 | 3632983.20 | 0.01614 |
| 497970.00 | 3632983.20 | 0.01653 | 498020.00 | 3632983.20 | 0.01695 |
| 498070.00 | 3632983.20 | 0.01741 | 498120.00 | 3632983.20 | 0.01790 |
| 498170.00 | 3632983.20 | 0.01840 | 498220.00 | 3632983.20 | 0.01889 |
| 498270.00 | 3632983.20 | 0.01931 | 498320.00 | 3632983.20 | 0.01962 |
| 498370.00 | 3632983.20 | 0.01977 | 498420.00 | 3632983.20 | 0.01978 |
| 498470.00 | 3632983.20 | 0.01968 | 498520.00 | 3632983.20 | 0.01951 |
| 498570.00 | 3632983.20 | 0.01928 | 498620.00 | 3632983.20 | 0.01900 |
| 498670.00 | 3632983.20 | 0.01868 | 498720.00 | 3632983.20 | 0.01830 |
| 498770.00 | 3632983.20 | 0.01789 | 498820.00 | 3632983.20 | 0.01748 |
| 498870.00 | 3632983.20 | 0.01710 | 498920.00 | 3632983.20 | 0.01677 |



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 8P4UG00J , KAM0N00I , KAM0N00J ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 498970.00 | 3632983.20 | 0.01655 | 499020.00 | 3632983.20 | 0.01648 |
| 499070.00 | 3632983.20 | 0.01660 | 499120.00 | 3632983.20 | 0.01686 |
| 499170.00 | 3632983.20 | 0.01720 | 499220.00 | 3632983.20 | 0.01753 |
| 499270.00 | 3632983.20 | 0.01779 | 499320.00 | 3632983.20 | 0.01793 |
| 499370.00 | 3632983.20 | 0.01795 | 499420.00 | 3632983.20 | 0.01785 |
| 499470.00 | 3632983.20 | 0.01764 | 499520.00 | 3632983.20 | 0.01731 |
| 499570.00 | 3632983.20 | 0.01687 | 499620.00 | 3632983.20 | 0.01634 |
| 499670.00 | 3632983.20 | 0.01576 | 499720.00 | 3632983.20 | 0.01513 |
| 499770.00 | 3632983.20 | 0.01447 | 499820.00 | 3632983.20 | 0.01379 |
| 499870.00 | 3632983.20 | 0.01310 | 499920.00 | 3632983.20 | 0.01239 |
| 497720.00 | 3633033.20 | 0.01691 | 497770.00 | 3633033.20 | 0.01739 |
| 497820.00 | 3633033.20 | 0.01787 | 497870.00 | 3633033.20 | 0.01837 |
| 497920.00 | 3633033.20 | 0.01889 | 497970.00 | 3633033.20 | 0.01944 |
| 498020.00 | 3633033.20 | 0.02003 | 498070.00 | 3633033.20 | 0.02065 |
| 498120.00 | 3633033.20 | 0.02131 | 498170.00 | 3633033.20 | 0.02198 |
| 498220.00 | 3633033.20 | 0.02263 | 498270.00 | 3633033.20 | 0.02319 |
| 498320.00 | 3633033.20 | 0.02356 | 498370.00 | 3633033.20 | 0.02372 |
| 498420.00 | 3633033.20 | 0.02371 | 498470.00 | 3633033.20 | 0.02360 |
| 498520.00 | 3633033.20 | 0.02342 | 498570.00 | 3633033.20 | 0.02317 |
| 498620.00 | 3633033.20 | 0.02284 | 498670.00 | 3633033.20 | 0.02242 |
| 498720.00 | 3633033.20 | 0.02192 | 498770.00 | 3633033.20 | 0.02136 |
| 498820.00 | 3633033.20 | 0.02081 | 498870.00 | 3633033.20 | 0.02028 |
| 498920.00 | 3633033.20 | 0.01981 | 498970.00 | 3633033.20 | 0.01945 |
| 499020.00 | 3633033.20 | 0.01930 | 499070.00 | 3633033.20 | 0.01941 |
| 499120.00 | 3633033.20 | 0.01973 | 499170.00 | 3633033.20 | 0.02014 |
| 499220.00 | 3633033.20 | 0.02048 | 499270.00 | 3633033.20 | 0.02069 |
| 499320.00 | 3633033.20 | 0.02073 | 499370.00 | 3633033.20 | 0.02062 |
| 499420.00 | 3633033.20 | 0.02036 | 499470.00 | 3633033.20 | 0.01998 |
| 499520.00 | 3633033.20 | 0.01947 | 499570.00 | 3633033.20 | 0.01885 |
| 499620.00 | 3633033.20 | 0.01814 | 499670.00 | 3633033.20 | 0.01738 |
| 499720.00 | 3633033.20 | 0.01659 | 499770.00 | 3633033.20 | 0.01577 |
| 499820.00 | 3633033.20 | 0.01494 | 499870.00 | 3633033.20 | 0.01410 |
| 499920.00 | 3633033.20 | 0.01326 | 497720.00 | 3633083.20 | 0.01946 |
| 497770.00 | 3633083.20 | 0.02017 | 497820.00 | 3633083.20 | 0.02090 |
| 497870.00 | 3633083.20 | 0.02166 | 497920.00 | 3633083.20 | 0.02246 |
| 497970.00 | 3633083.20 | 0.02330 | 498020.00 | 3633083.20 | 0.02417 |
| 498070.00 | 3633083.20 | 0.02508 | 498120.00 | 3633083.20 | 0.02599 |
| 498170.00 | 3633083.20 | 0.02689 | 498220.00 | 3633083.20 | 0.02774 |

| | | | | | |
|---|---|---|---|---|---|
| 498270.00 | 3633083.20 | 0.02844 | 498320.00 | 3633083.20 | 0.02883 |
| 498370.00 | 3633083.20 | 0.02892 | 498420.00 | 3633083.20 | 0.02884 |



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 8P4UG00J , KAM0N00I , KAM0N00J ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 498470.00 | 3633083.20 | 0.02869 | 498520.00 | 3633083.20 | 0.02851 |
| 498570.00 | 3633083.20 | 0.02828 | 498620.00 | 3633083.20 | 0.02794 |
| 498670.00 | 3633083.20 | 0.02745 | 498720.00 | 3633083.20 | 0.02684 |
| 498770.00 | 3633083.20 | 0.02616 | 498820.00 | 3633083.20 | 0.02546 |
| 498870.00 | 3633083.20 | 0.02477 | 498920.00 | 3633083.20 | 0.02411 |
| 498970.00 | 3633083.20 | 0.02356 | 499020.00 | 3633083.20 | 0.02327 |
| 499070.00 | 3633083.20 | 0.02336 | 499120.00 | 3633083.20 | 0.02375 |
| 499170.00 | 3633083.20 | 0.02420 | 499220.00 | 3633083.20 | 0.02447 |
| 499270.00 | 3633083.20 | 0.02451 | 499320.00 | 3633083.20 | 0.02434 |
| 499370.00 | 3633083.20 | 0.02400 | 499420.00 | 3633083.20 | 0.02349 |
| 499470.00 | 3633083.20 | 0.02284 | 499520.00 | 3633083.20 | 0.02207 |
| 499570.00 | 3633083.20 | 0.02118 | 499620.00 | 3633083.20 | 0.02023 |
| 499670.00 | 3633083.20 | 0.01925 | 499720.00 | 3633083.20 | 0.01825 |
| 499770.00 | 3633083.20 | 0.01724 | 499820.00 | 3633083.20 | 0.01623 |
| 499870.00 | 3633083.20 | 0.01522 | 499920.00 | 3633083.20 | 0.01422 |
| 497720.00 | 3633133.20 | 0.02262 | 497770.00 | 3633133.20 | 0.02365 |
| 497820.00 | 3633133.20 | 0.02474 | 497870.00 | 3633133.20 | 0.02592 |
| 497920.00 | 3633133.20 | 0.02720 | 497970.00 | 3633133.20 | 0.02857 |
| 498020.00 | 3633133.20 | 0.03002 | 498070.00 | 3633133.20 | 0.03149 |
| 498120.00 | 3633133.20 | 0.03289 | 498170.00 | 3633133.20 | 0.03419 |
| 498220.00 | 3633133.20 | 0.03536 | 498270.00 | 3633133.20 | 0.03622 |
| 498320.00 | 3633133.20 | 0.03651 | 498370.00 | 3633133.20 | 0.03636 |
| 498420.00 | 3633133.20 | 0.03603 | 498470.00 | 3633133.20 | 0.03567 |
| 498520.00 | 3633133.20 | 0.03537 | 498570.00 | 3633133.20 | 0.03510 |
| 498620.00 | 3633133.20 | 0.03476 | 498670.00 | 3633133.20 | 0.03424 |
| 498720.00 | 3633133.20 | 0.03361 | 498770.00 | 3633133.20 | 0.03296 |
| 498820.00 | 3633133.20 | 0.03229 | 498870.00 | 3633133.20 | 0.03156 |
| 498920.00 | 3633133.20 | 0.03071 | 498970.00 | 3633133.20 | 0.02986 |
| 499020.00 | 3633133.20 | 0.02931 | 499070.00 | 3633133.20 | 0.02937 |
| 499120.00 | 3633133.20 | 0.02983 | 499170.00 | 3633133.20 | 0.03017 |
| 499220.00 | 3633133.20 | 0.03012 | 499270.00 | 3633133.20 | 0.02975 |
| 499320.00 | 3633133.20 | 0.02917 | 499370.00 | 3633133.20 | 0.02841 |
| 499420.00 | 3633133.20 | 0.02748 | 499470.00 | 3633133.20 | 0.02640 |
| 499520.00 | 3633133.20 | 0.02523 | 499570.00 | 3633133.20 | 0.02399 |
| 499620.00 | 3633133.20 | 0.02272 | 499670.00 | 3633133.20 | 0.02145 |
| 499720.00 | 3633133.20 | 0.02019 | 499770.00 | 3633133.20 | 0.01893 |
| 499820.00 | 3633133.20 | 0.01769 | 499870.00 | 3633133.20 | 0.01646 |
| 499920.00 | 3633133.20 | 0.01527 | 497720.00 | 3633183.20 | 0.02661 |
| 497770.00 | 3633183.20 | 0.02811 | 497820.00 | 3633183.20 | 0.02977 |
| 497870.00 | 3633183.20 | 0.03162 | 497920.00 | 3633183.20 | 0.03372 |



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 8P4UG00J , KAM0N00I , KAM0N00J ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 497970.00 | 3633183.20 | 0.03610 | 498020.00 | 3633183.20 | 0.03876 |
| 498070.00 | 3633183.20 | 0.04153 | 498120.00 | 3633183.20 | 0.04423 |
| 498170.00 | 3633183.20 | 0.04665 | 498220.00 | 3633183.20 | 0.04852 |
| 498270.00 | 3633183.20 | 0.04964 | 498320.00 | 3633183.20 | 0.04944 |
| 498370.00 | 3633183.20 | 0.04855 | 498420.00 | 3633183.20 | 0.04747 |
| 498470.00 | 3633183.20 | 0.04643 | 498520.00 | 3633183.20 | 0.04557 |
| 498570.00 | 3633183.20 | 0.04494 | 498620.00 | 3633183.20 | 0.04436 |
| 498670.00 | 3633183.20 | 0.04363 | 498720.00 | 3633183.20 | 0.04305 |
| 498770.00 | 3633183.20 | 0.04270 | 498820.00 | 3633183.20 | 0.04253 |
| 498870.00 | 3633183.20 | 0.04238 | 498920.00 | 3633183.20 | 0.04188 |
| 498970.00 | 3633183.20 | 0.04083 | 499020.00 | 3633183.20 | 0.03988 |
| 499070.00 | 3633183.20 | 0.03976 | 499120.00 | 3633183.20 | 0.04011 |
| 499170.00 | 3633183.20 | 0.03977 | 499220.00 | 3633183.20 | 0.03869 |
| 499270.00 | 3633183.20 | 0.03734 | 499320.00 | 3633183.20 | 0.03590 |
| 499370.00 | 3633183.20 | 0.03436 | 499420.00 | 3633183.20 | 0.03270 |
| 499470.00 | 3633183.20 | 0.03094 | 499520.00 | 3633183.20 | 0.02916 |
| 499570.00 | 3633183.20 | 0.02743 | 499620.00 | 3633183.20 | 0.02572 |
| 499670.00 | 3633183.20 | 0.02407 | 499720.00 | 3633183.20 | 0.02246 |
| 499770.00 | 3633183.20 | 0.02089 | 499820.00 | 3633183.20 | 0.01935 |
| 499870.00 | 3633183.20 | 0.01786 | 499920.00 | 3633183.20 | 0.01644 |
| 497720.00 | 3633233.20 | 0.03166 | 497770.00 | 3633233.20 | 0.03391 |

| | | | | | |
|---|---|---|---|---|---|
| 497820.00 | 3633233.20 | 0.03647 | 497870.00 | 3633233.20 | 0.03945 |
| 497920.00 | 3633233.20 | 0.04301 | 497970.00 | 3633233.20 | 0.04737 |
| 498020.00 | 3633233.20 | 0.05267 | 498070.00 | 3633233.20 | 0.05890 |
| 498120.00 | 3633233.20 | 0.06615 | 498170.00 | 3633233.20 | 0.07481 |
| 498470.00 | 3633233.20 | 0.06883 | 498520.00 | 3633233.20 | 0.06522 |
| 498570.00 | 3633233.20 | 0.06208 | 498620.00 | 3633233.20 | 0.05964 |
| 498670.00 | 3633233.20 | 0.05767 | 498720.00 | 3633233.20 | 0.05695 |
| 498770.00 | 3633233.20 | 0.05725 | 498820.00 | 3633233.20 | 0.05848 |
| 498870.00 | 3633233.20 | 0.06039 | 498920.00 | 3633233.20 | 0.06249 |
| 498970.00 | 3633233.20 | 0.06369 | 499020.00 | 3633233.20 | 0.06401 |
| 499070.00 | 3633233.20 | 0.06402 | 499120.00 | 3633233.20 | 0.06221 |
| 499170.00 | 3633233.20 | 0.05803 | 499220.00 | 3633233.20 | 0.05340 |
| 499270.00 | 3633233.20 | 0.04938 | 499320.00 | 3633233.20 | 0.04599 |
| 499370.00 | 3633233.20 | 0.04292 | 499420.00 | 3633233.20 | 0.03989 |
| 499470.00 | 3633233.20 | 0.03694 | 499520.00 | 3633233.20 | 0.03422 |
| 499570.00 | 3633233.20 | 0.03173 | 499620.00 | 3633233.20 | 0.02942 |
| 499670.00 | 3633233.20 | 0.02725 | 499720.00 | 3633233.20 | 0.02519 |
| 499770.00 | 3633233.20 | 0.02320 | 499820.00 | 3633233.20 | 0.02128 |
| 499870.00 | 3633233.20 | 0.01945 | 499920.00 | 3633233.20 | 0.01773 |



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 8P4UG00J , KAM0N00I , KAM0N00J ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 497720.00 | 3633283.20 | 0.03798 | 497770.00 | 3633283.20 | 0.04139 |
| 497820.00 | 3633283.20 | 0.04542 | 497870.00 | 3633283.20 | 0.05031 |
| 497920.00 | 3633283.20 | 0.05646 | 497970.00 | 3633283.20 | 0.06467 |
| 498020.00 | 3633283.20 | 0.07570 | 498070.00 | 3633283.20 | 0.09081 |
| 498720.00 | 3633283.20 | 0.07964 | 498770.00 | 3633283.20 | 0.08125 |
| 498820.00 | 3633283.20 | 0.08632 | 499270.00 | 3633283.20 | 0.07258 |
| 499320.00 | 3633283.20 | 0.06325 | 499370.00 | 3633283.20 | 0.05642 |
| 499420.00 | 3633283.20 | 0.05042 | 499470.00 | 3633283.20 | 0.04525 |
| 499520.00 | 3633283.20 | 0.04095 | 499570.00 | 3633283.20 | 0.03730 |
| 499620.00 | 3633283.20 | 0.03410 | 499670.00 | 3633283.20 | 0.03122 |
| 499720.00 | 3633283.20 | 0.02853 | 499770.00 | 3633283.20 | 0.02597 |
| 499820.00 | 3633283.20 | 0.02354 | 499870.00 | 3633283.20 | 0.02127 |
| 499920.00 | 3633283.20 | 0.01919 | 497720.00 | 3633333.20 | 0.04565 |
| 497770.00 | 3633333.20 | 0.05078 | 497820.00 | 3633333.20 | 0.05717 |
| 497870.00 | 3633333.20 | 0.06532 | 497920.00 | 3633333.20 | 0.07610 |
| 497970.00 | 3633333.20 | 0.09191 | 499370.00 | 3633333.20 | 0.08187 |
| 499420.00 | 3633333.20 | 0.06731 | 499470.00 | 3633333.20 | 0.05749 |
| 499520.00 | 3633333.20 | 0.05034 | 499570.00 | 3633333.20 | 0.04478 |
| 499620.00 | 3633333.20 | 0.04025 | 499670.00 | 3633333.20 | 0.03631 |
| 499720.00 | 3633333.20 | 0.03272 | 499770.00 | 3633333.20 | 0.02936 |
| 499820.00 | 3633333.20 | 0.02623 | 499870.00 | 3633333.20 | 0.02338 |
| 499920.00 | 3633333.20 | 0.02084 | 497720.00 | 3633383.20 | 0.05445 |
| 497770.00 | 3633383.20 | 0.06183 | 497820.00 | 3633383.20 | 0.07160 |
| 497870.00 | 3633383.20 | 0.08517 | 497920.00 | 3633383.20 | 0.10552 |
| 499420.00 | 3633383.20 | 0.09782 | 499470.00 | 3633383.20 | 0.07675 |
| 499520.00 | 3633383.20 | 0.06405 | 499570.00 | 3633383.20 | 0.05520 |
| 499620.00 | 3633383.20 | 0.04853 | 499670.00 | 3633383.20 | 0.04301 |
| 499720.00 | 3633383.20 | 0.03809 | 499770.00 | 3633383.20 | 0.03356 |
| 499820.00 | 3633383.20 | 0.02945 | 499870.00 | 3633383.20 | 0.02584 |
| 499920.00 | 3633383.20 | 0.02274 | 497720.00 | 3633433.20 | 0.06355 |
| 497770.00 | 3633433.20 | 0.07312 | 497820.00 | 3633433.20 | 0.08612 |
| 497870.00 | 3633433.20 | 0.10476 | 498270.00 | 3633433.20 | 0.14047 |
| 498320.00 | 3633433.20 | 0.14054 | 498370.00 | 3633433.20 | 0.14508 |
| 499520.00 | 3633433.20 | 0.08529 | 499570.00 | 3633433.20 | 0.07023 |
| 499620.00 | 3633433.20 | 0.06003 | 499670.00 | 3633433.20 | 0.05204 |
| 499720.00 | 3633433.20 | 0.04506 | 499770.00 | 3633433.20 | 0.03874 |
| 499820.00 | 3633433.20 | 0.03326 | 499870.00 | 3633433.20 | 0.02867 |
| 499920.00 | 3633433.20 | 0.02489 | 497720.00 | 3633483.20 | 0.07176 |
| 497770.00 | 3633483.20 | 0.08273 | 497820.00 | 3633483.20 | 0.09743 |
| 497870.00 | 3633483.20 | 0.11869 | 498220.00 | 3633483.20 | 0.11851 |



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 8P4UG00J , KAM0N00I , KAM0N00J ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 498270.00 | 3633483.20 | 0.11636 | 498320.00 | 3633483.20 | 0.11784 |
| 498370.00 | 3633483.20 | 0.12205 | 498420.00 | 3633483.20 | 0.12863 |
| 498470.00 | 3633483.20 | 0.13793 | 498520.00 | 3633483.20 | 0.15121 |
| 499570.00 | 3633483.20 | 0.09486 | 499620.00 | 3633483.20 | 0.07727 |

| | | | | | |
|---|---|---|---|---|---|
| 499670.00 | 3633483.20 | 0.06484 | 499720.00 | 3633483.20 | 0.05427 |
| 499770.00 | 3633483.20 | 0.04510 | 499820.00 | 3633483.20 | 0.03771 |
| 499870.00 | 3633483.20 | 0.03188 | 499920.00 | 3633483.20 | 0.02729 |
| 497720.00 | 3633533.20 | 0.07881 | 497770.00 | 3633533.20 | 0.09130 |
| 497820.00 | 3633533.20 | 0.10894 | 498170.00 | 3633533.20 | 0.10703 |
| 498220.00 | 3633533.20 | 0.10317 | 498270.00 | 3633533.20 | 0.10288 |
| 498320.00 | 3633533.20 | 0.10498 | 498370.00 | 3633533.20 | 0.10898 |
| 498420.00 | 3633533.20 | 0.11465 | 498470.00 | 3633533.20 | 0.12209 |
| 498520.00 | 3633533.20 | 0.13177 | 498570.00 | 3633533.20 | 0.14408 |
| 498620.00 | 3633533.20 | 0.15942 | 499670.00 | 3633533.20 | 0.08589 |
| 499720.00 | 3633533.20 | 0.06710 | 499770.00 | 3633533.20 | 0.05293 |
| 499820.00 | 3633533.20 | 0.04283 | 499870.00 | 3633533.20 | 0.03545 |
| 499920.00 | 3633533.20 | 0.02992 | 497720.00 | 3633583.20 | 0.08509 |
| 497770.00 | 3633583.20 | 0.10146 | 498070.00 | 3633583.20 | 0.10968 |
| 498120.00 | 3633583.20 | 0.09918 | 498170.00 | 3633583.20 | 0.09434 |
| 498220.00 | 3633583.20 | 0.09280 | 498270.00 | 3633583.20 | 0.09344 |
| 498320.00 | 3633583.20 | 0.09568 | 498370.00 | 3633583.20 | 0.09923 |
| 498420.00 | 3633583.20 | 0.10393 | 498470.00 | 3633583.20 | 0.10980 |
| 498520.00 | 3633583.20 | 0.11701 | 498570.00 | 3633583.20 | 0.12562 |
| 498620.00 | 3633583.20 | 0.13564 | 498670.00 | 3633583.20 | 0.14712 |
| 498720.00 | 3633583.20 | 0.16021 | 498770.00 | 3633583.20 | 0.17512 |
| 499720.00 | 3633583.20 | 0.08580 | 499770.00 | 3633583.20 | 0.06245 |
| 499820.00 | 3633583.20 | 0.04860 | 499870.00 | 3633583.20 | 0.03934 |
| 499920.00 | 3633583.20 | 0.03276 | 497720.00 | 3633633.20 | 0.08709 |
| 497770.00 | 3633633.20 | 0.10527 | 498020.00 | 3633633.20 | 0.10221 |
| 498070.00 | 3633633.20 | 0.09242 | 498120.00 | 3633633.20 | 0.08738 |
| 498170.00 | 3633633.20 | 0.08511 | 498220.00 | 3633633.20 | 0.08476 |
| 498270.00 | 3633633.20 | 0.08583 | 498320.00 | 3633633.20 | 0.08800 |
| 498370.00 | 3633633.20 | 0.09109 | 498420.00 | 3633633.20 | 0.09500 |
| 498470.00 | 3633633.20 | 0.09974 | 498520.00 | 3633633.20 | 0.10537 |
| 498570.00 | 3633633.20 | 0.11191 | 498620.00 | 3633633.20 | 0.11933 |
| 498670.00 | 3633633.20 | 0.12766 | 498720.00 | 3633633.20 | 0.13704 |
| 498770.00 | 3633633.20 | 0.14769 | 498820.00 | 3633633.20 | 0.16002 |
| 498870.00 | 3633633.20 | 0.17476 | 499720.00 | 3633633.20 | 0.10593 |
| 499770.00 | 3633633.20 | 0.07210 | 499820.00 | 3633633.20 | 0.05433 |
| 499870.00 | 3633633.20 | 0.04318 | 499920.00 | 3633633.20 | 0.03556 |



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 8P4UG00J , KAM0N00I , KAM0N00J ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 497720.00 | 3633683.20 | 0.08073 | 497770.00 | 3633683.20 | 0.09559 |
| 497970.00 | 3633683.20 | 0.09381 | 498020.00 | 3633683.20 | 0.08558 |
| 498070.00 | 3633683.20 | 0.08099 | 498120.00 | 3633683.20 | 0.07856 |
| 498170.00 | 3633683.20 | 0.07767 | 498220.00 | 3633683.20 | 0.07799 |
| 498270.00 | 3633683.20 | 0.07925 | 498320.00 | 3633683.20 | 0.08130 |
| 498370.00 | 3633683.20 | 0.08402 | 498420.00 | 3633683.20 | 0.08738 |
| 498470.00 | 3633683.20 | 0.09137 | 498520.00 | 3633683.20 | 0.09606 |
| 498570.00 | 3633683.20 | 0.10147 | 498620.00 | 3633683.20 | 0.10760 |
| 498670.00 | 3633683.20 | 0.11454 | 498720.00 | 3633683.20 | 0.12240 |
| 498770.00 | 3633683.20 | 0.13135 | 498820.00 | 3633683.20 | 0.14168 |
| 498870.00 | 3633683.20 | 0.15383 | 498920.00 | 3633683.20 | 0.16994 |
| 499720.00 | 3633683.20 | 0.12311 | 499770.00 | 3633683.20 | 0.07932 |
| 499820.00 | 3633683.20 | 0.05871 | 499870.00 | 3633683.20 | 0.04625 |
| 499920.00 | 3633683.20 | 0.03788 | 497720.00 | 3633733.20 | 0.06890 |
| 497770.00 | 3633733.20 | 0.07791 | 497920.00 | 3633733.20 | 0.08247 |
| 497970.00 | 3633733.20 | 0.07758 | 498020.00 | 3633733.20 | 0.07430 |
| 498070.00 | 3633733.20 | 0.07230 | 498120.00 | 3633733.20 | 0.07135 |
| 498170.00 | 3633733.20 | 0.07129 | 498220.00 | 3633733.20 | 0.07201 |
| 498270.00 | 3633733.20 | 0.07338 | 498320.00 | 3633733.20 | 0.07533 |
| 498370.00 | 3633733.20 | 0.07781 | 498420.00 | 3633733.20 | 0.08080 |
| 498470.00 | 3633733.20 | 0.08433 | 498520.00 | 3633733.20 | 0.08845 |
| 498570.00 | 3633733.20 | 0.09318 | 498620.00 | 3633733.20 | 0.09857 |
| 498670.00 | 3633733.20 | 0.10468 | 498720.00 | 3633733.20 | 0.11164 |
| 498770.00 | 3633733.20 | 0.11965 | 498820.00 | 3633733.20 | 0.12900 |
| 498870.00 | 3633733.20 | 0.14029 | 498920.00 | 3633733.20 | 0.15460 |
| 499770.00 | 3633733.20 | 0.08280 | 499820.00 | 3633733.20 | 0.06101 |
| 499870.00 | 3633733.20 | 0.04803 | 499920.00 | 3633733.20 | 0.03935 |
| 497720.00 | 3633783.20 | 0.05658 | 497770.00 | 3633783.20 | 0.06069 |
| 497820.00 | 3633783.20 | 0.06626 | 497870.00 | 3633783.20 | 0.06856 |
| 497920.00 | 3633783.20 | 0.06803 | 497970.00 | 3633783.20 | 0.06687 |
| 498020.00 | 3633783.20 | 0.06585 | 498070.00 | 3633783.20 | 0.06527 |
| 498120.00 | 3633783.20 | 0.06520 | 498170.00 | 3633783.20 | 0.06566 |
| 498220.00 | 3633783.20 | 0.06662 | 498270.00 | 3633783.20 | 0.06806 |
| 498320.00 | 3633783.20 | 0.06994 | 498370.00 | 3633783.20 | 0.07225 |
| 498420.00 | 3633783.20 | 0.07499 | 498470.00 | 3633783.20 | 0.07820 |
| 498520.00 | 3633783.20 | 0.08191 | 498570.00 | 3633783.20 | 0.08617 |
| 498620.00 | 3633783.20 | 0.09100 | 498670.00 | 3633783.20 | 0.09649 |
| 498720.00 | 3633783.20 | 0.10279 | 498770.00 | 3633783.20 | 0.11008 |
| 498820.00 | 3633783.20 | 0.11871 | 498870.00 | 3633783.20 | 0.12926 |
| 498920.00 | 3633783.20 | 0.14280 | 499770.00 | 3633783.20 | 0.08226 |

*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 8P4UG00J , KAM0N00I , KAM0N00J ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 499820.00 | 3633783.20 | 0.06098 | 499870.00 | 3633783.20 | 0.04832 |
| 499920.00 | 3633783.20 | 0.03981 | 497720.00 | 3633833.20 | 0.04876 |
| 497770.00 | 3633833.20 | 0.05221 | 497820.00 | 3633833.20 | 0.05620 |
| 497870.00 | 3633833.20 | 0.05850 | 497920.00 | 3633833.20 | 0.05922 |
| 497970.00 | 3633833.20 | 0.05933 | 498020.00 | 3633833.20 | 0.05933 |
| 498070.00 | 3633833.20 | 0.05947 | 498120.00 | 3633833.20 | 0.05989 |
| 498170.00 | 3633833.20 | 0.06065 | 498220.00 | 3633833.20 | 0.06175 |
| 498270.00 | 3633833.20 | 0.06321 | 498320.00 | 3633833.20 | 0.06502 |
| 498370.00 | 3633833.20 | 0.06718 | 498420.00 | 3633833.20 | 0.06971 |
| 498470.00 | 3633833.20 | 0.07264 | 498520.00 | 3633833.20 | 0.07600 |
| 498570.00 | 3633833.20 | 0.07982 | 498620.00 | 3633833.20 | 0.08415 |
| 498670.00 | 3633833.20 | 0.08906 | 498720.00 | 3633833.20 | 0.09470 |
| 498770.00 | 3633833.20 | 0.10128 | 498820.00 | 3633833.20 | 0.10915 |
| 498870.00 | 3633833.20 | 0.11892 | 498920.00 | 3633833.20 | 0.13174 |
| 499770.00 | 3633833.20 | 0.07817 | 499820.00 | 3633833.20 | 0.05877 |
| 499870.00 | 3633833.20 | 0.04714 | 499920.00 | 3633833.20 | 0.03922 |
| 497720.00 | 3633883.20 | 0.04408 | 497770.00 | 3633883.20 | 0.04701 |
| 497820.00 | 3633883.20 | 0.05003 | 497870.00 | 3633883.20 | 0.05206 |
| 497920.00 | 3633883.20 | 0.05311 | 497970.00 | 3633883.20 | 0.05368 |
| 498020.00 | 3633883.20 | 0.05411 | 498070.00 | 3633883.20 | 0.05460 |
| 498120.00 | 3633883.20 | 0.05527 | 498170.00 | 3633883.20 | 0.05617 |
| 498220.00 | 3633883.20 | 0.05732 | 498270.00 | 3633883.20 | 0.05875 |
| 498320.00 | 3633883.20 | 0.06046 | 498370.00 | 3633883.20 | 0.06246 |
| 498420.00 | 3633883.20 | 0.06476 | 498470.00 | 3633883.20 | 0.06739 |
| 498520.00 | 3633883.20 | 0.07038 | 498570.00 | 3633883.20 | 0.07375 |
| 498620.00 | 3633883.20 | 0.07755 | 498670.00 | 3633883.20 | 0.08182 |
| 498720.00 | 3633883.20 | 0.08670 | 498770.00 | 3633883.20 | 0.09233 |
| 498820.00 | 3633883.20 | 0.09897 | 498870.00 | 3633883.20 | 0.10696 |
| 498920.00 | 3633883.20 | 0.11689 | 498970.00 | 3633883.20 | 0.13006 |
| 499720.00 | 3633883.20 | 0.10371 | 499770.00 | 3633883.20 | 0.07058 |
| 499820.00 | 3633883.20 | 0.05460 | 499870.00 | 3633883.20 | 0.04460 |
| 499920.00 | 3633883.20 | 0.03762 | 497720.00 | 3633933.20 | 0.04067 |
| 497770.00 | 3633933.20 | 0.04311 | 497820.00 | 3633933.20 | 0.04551 |
| 497870.00 | 3633933.20 | 0.04728 | 497920.00 | 3633933.20 | 0.04839 |
| 497970.00 | 3633933.20 | 0.04914 | 498020.00 | 3633933.20 | 0.04976 |
| 498070.00 | 3633933.20 | 0.05041 | 498120.00 | 3633933.20 | 0.05117 |
| 498170.00 | 3633933.20 | 0.05211 | 498220.00 | 3633933.20 | 0.05324 |
| 498270.00 | 3633933.20 | 0.05459 | 498320.00 | 3633933.20 | 0.05616 |
| 498370.00 | 3633933.20 | 0.05796 | 498420.00 | 3633933.20 | 0.06000 |
| 498470.00 | 3633933.20 | 0.06230 | 498520.00 | 3633933.20 | 0.06489 |



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 8P4UG00J , KAM0N00I , KAM0N00J ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 498570.00 | 3633933.20 | 0.06777 | 498620.00 | 3633933.20 | 0.07096 |
| 498670.00 | 3633933.20 | 0.07449 | 498720.00 | 3633933.20 | 0.07845 |
| 498770.00 | 3633933.20 | 0.08291 | 498820.00 | 3633933.20 | 0.08799 |
| 498870.00 | 3633933.20 | 0.09388 | 498920.00 | 3633933.20 | 0.10096 |
| 498970.00 | 3633933.20 | 0.10973 | 499020.00 | 3633933.20 | 0.12012 |
| 499070.00 | 3633933.20 | 0.13103 | 499220.00 | 3633933.20 | 0.14147 |
| 499720.00 | 3633933.20 | 0.08172 | 499770.00 | 3633933.20 | 0.06067 |
| 499820.00 | 3633933.20 | 0.04890 | 499870.00 | 3633933.20 | 0.04096 |
| 499920.00 | 3633933.20 | 0.03516 | 497720.00 | 3633983.20 | 0.03786 |
| 497770.00 | 3633983.20 | 0.03990 | 497820.00 | 3633983.20 | 0.04187 |
| 497870.00 | 3633983.20 | 0.04341 | 497920.00 | 3633983.20 | 0.04449 |
| 497970.00 | 3633983.20 | 0.04529 | 498020.00 | 3633983.20 | 0.04598 |
| 498070.00 | 3633983.20 | 0.04668 | 498120.00 | 3633983.20 | 0.04745 |
| 498170.00 | 3633983.20 | 0.04836 | 498220.00 | 3633983.20 | 0.04942 |
| 498270.00 | 3633983.20 | 0.05064 | 498320.00 | 3633983.20 | 0.05203 |
| 498370.00 | 3633983.20 | 0.05360 | 498420.00 | 3633983.20 | 0.05535 |
| 498470.00 | 3633983.20 | 0.05729 | 498520.00 | 3633983.20 | 0.05944 |
| 498570.00 | 3633983.20 | 0.06178 | 498620.00 | 3633983.20 | 0.06433 |
| 498670.00 | 3633983.20 | 0.06709 | 498720.00 | 3633983.20 | 0.07009 |
| 498770.00 | 3633983.20 | 0.07338 | 498820.00 | 3633983.20 | 0.07698 |
| 498870.00 | 3633983.20 | 0.08098 | 498920.00 | 3633983.20 | 0.08550 |
| 498970.00 | 3633983.20 | 0.09063 | 499020.00 | 3633983.20 | 0.09618 |
| 499070.00 | 3633983.20 | 0.10122 | 499120.00 | 3633983.20 | 0.10508 |
| 499170.00 | 3633983.20 | 0.10766 | 499220.00 | 3633983.20 | 0.10864 |

| | | | | | |
|---|---|---|---|---|---|
| 499270.00 | 3633983.20 | 0.10990 | 499320.00 | 3633983.20 | 0.11097 |
| 499370.00 | 3633983.20 | 0.11125 | 499420.00 | 3633983.20 | 0.11033 |
| 499470.00 | 3633983.20 | 0.10821 | 499520.00 | 3633983.20 | 0.10602 |
| 499570.00 | 3633983.20 | 0.10272 | 499620.00 | 3633983.20 | 0.09597 |
| 499720.00 | 3633983.20 | 0.06509 | 499770.00 | 3633983.20 | 0.05149 |
| 499820.00 | 3633983.20 | 0.04298 | 499870.00 | 3633983.20 | 0.03688 |
| 499920.00 | 3633983.20 | 0.03223 | 497720.00 | 3634033.20 | 0.03541 |
| 497770.00 | 3634033.20 | 0.03712 | 497820.00 | 3634033.20 | 0.03876 |
| 497870.00 | 3634033.20 | 0.04011 | 497920.00 | 3634033.20 | 0.04111 |
| 497970.00 | 3634033.20 | 0.04189 | 498020.00 | 3634033.20 | 0.04259 |
| 498070.00 | 3634033.20 | 0.04327 | 498120.00 | 3634033.20 | 0.04401 |
| 498170.00 | 3634033.20 | 0.04483 | 498220.00 | 3634033.20 | 0.04577 |
| 498270.00 | 3634033.20 | 0.04684 | 498320.00 | 3634033.20 | 0.04803 |
| 498370.00 | 3634033.20 | 0.04934 | 498420.00 | 3634033.20 | 0.05078 |
| 498470.00 | 3634033.20 | 0.05235 | 498520.00 | 3634033.20 | 0.05405 |
| 498570.00 | 3634033.20 | 0.05587 | 498620.00 | 3634033.20 | 0.05780 |



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 8P4UG00J , KAM0N00I , KAM0N00J ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 498670.00 | 3634033.20 | 0.05984 | 498720.00 | 3634033.20 | 0.06200 |
| 498770.00 | 3634033.20 | 0.06429 | 498820.00 | 3634033.20 | 0.06672 |
| 498870.00 | 3634033.20 | 0.06935 | 498920.00 | 3634033.20 | 0.07225 |
| 498970.00 | 3634033.20 | 0.07548 | 499020.00 | 3634033.20 | 0.07885 |
| 499070.00 | 3634033.20 | 0.08187 | 499120.00 | 3634033.20 | 0.08421 |
| 499170.00 | 3634033.20 | 0.08570 | 499220.00 | 3634033.20 | 0.08642 |
| 499270.00 | 3634033.20 | 0.08694 | 499320.00 | 3634033.20 | 0.08709 |
| 499370.00 | 3634033.20 | 0.08661 | 499420.00 | 3634033.20 | 0.08524 |
| 499470.00 | 3634033.20 | 0.08314 | 499520.00 | 3634033.20 | 0.08064 |
| 499570.00 | 3634033.20 | 0.07708 | 499620.00 | 3634033.20 | 0.07131 |
| 499670.00 | 3634033.20 | 0.06281 | 499720.00 | 3634033.20 | 0.05222 |
| 499770.00 | 3634033.20 | 0.04366 | 499820.00 | 3634033.20 | 0.03756 |
| 499870.00 | 3634033.20 | 0.03291 | 499920.00 | 3634033.20 | 0.02922 |
| 497720.00 | 3634083.20 | 0.03317 | 497770.00 | 3634083.20 | 0.03462 |
| 497820.00 | 3634083.20 | 0.03600 | 497870.00 | 3634083.20 | 0.03717 |
| 497920.00 | 3634083.20 | 0.03808 | 497970.00 | 3634083.20 | 0.03881 |
| 498020.00 | 3634083.20 | 0.03947 | 498070.00 | 3634083.20 | 0.04010 |
| 498120.00 | 3634083.20 | 0.04076 | 498170.00 | 3634083.20 | 0.04148 |
| 498220.00 | 3634083.20 | 0.04228 | 498270.00 | 3634083.20 | 0.04316 |
| 498320.00 | 3634083.20 | 0.04414 | 498370.00 | 3634083.20 | 0.04519 |
| 498420.00 | 3634083.20 | 0.04633 | 498470.00 | 3634083.20 | 0.04755 |
| 498520.00 | 3634083.20 | 0.04884 | 498570.00 | 3634083.20 | 0.05018 |
| 498620.00 | 3634083.20 | 0.05158 | 498670.00 | 3634083.20 | 0.05303 |
| 498720.00 | 3634083.20 | 0.05454 | 498770.00 | 3634083.20 | 0.05612 |
| 498820.00 | 3634083.20 | 0.05778 | 498870.00 | 3634083.20 | 0.05958 |
| 498920.00 | 3634083.20 | 0.06158 | 498970.00 | 3634083.20 | 0.06380 |
| 499020.00 | 3634083.20 | 0.06609 | 499070.00 | 3634083.20 | 0.06810 |
| 499120.00 | 3634083.20 | 0.06959 | 499170.00 | 3634083.20 | 0.07050 |
| 499220.00 | 3634083.20 | 0.07093 | 499270.00 | 3634083.20 | 0.07113 |
| 499320.00 | 3634083.20 | 0.07100 | 499370.00 | 3634083.20 | 0.07037 |
| 499420.00 | 3634083.20 | 0.06914 | 499470.00 | 3634083.20 | 0.06739 |
| 499520.00 | 3634083.20 | 0.06520 | 499570.00 | 3634083.20 | 0.06215 |
| 499620.00 | 3634083.20 | 0.05756 | 499670.00 | 3634083.20 | 0.05117 |
| 499720.00 | 3634083.20 | 0.04379 | 499770.00 | 3634083.20 | 0.03762 |
| 499820.00 | 3634083.20 | 0.03300 | 499870.00 | 3634083.20 | 0.02937 |
| 499920.00 | 3634083.20 | 0.02641 | 497720.00 | 3634133.20 | 0.03108 |
| 497770.00 | 3634133.20 | 0.03231 | 497820.00 | 3634133.20 | 0.03349 |
| 497870.00 | 3634133.20 | 0.03449 | 497920.00 | 3634133.20 | 0.03530 |
| 497970.00 | 3634133.20 | 0.03596 | 498020.00 | 3634133.20 | 0.03655 |
| 498070.00 | 3634133.20 | 0.03711 | 498120.00 | 3634133.20 | 0.03767 |



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 8P4UG00J , KAM0N00I , KAM0N00J ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 498170.00 | 3634133.20 | 0.03827 | 498220.00 | 3634133.20 | 0.03892 |
| 498270.00 | 3634133.20 | 0.03963 | 498320.00 | 3634133.20 | 0.04039 |
| 498370.00 | 3634133.20 | 0.04120 | 498420.00 | 3634133.20 | 0.04206 |
| 498470.00 | 3634133.20 | 0.04297 | 498520.00 | 3634133.20 | 0.04391 |
| 498570.00 | 3634133.20 | 0.04488 | 498620.00 | 3634133.20 | 0.04588 |
| 498670.00 | 3634133.20 | 0.04691 | 498720.00 | 3634133.20 | 0.04797 |
| 498770.00 | 3634133.20 | 0.04909 | 498820.00 | 3634133.20 | 0.05029 |

| | | | | | |
|---|---|---|---|---|---|
| 498870.00 | 3634133.20 | 0.05161 | 498920.00 | 3634133.20 | 0.05309 |
| 498970.00 | 3634133.20 | 0.05472 | 499020.00 | 3634133.20 | 0.05636 |
| 499070.00 | 3634133.20 | 0.05779 | 499120.00 | 3634133.20 | 0.05883 |
| 499170.00 | 3634133.20 | 0.05947 | 499220.00 | 3634133.20 | 0.05978 |
| 499270.00 | 3634133.20 | 0.05988 | 499320.00 | 3634133.20 | 0.05969 |
| 499370.00 | 3634133.20 | 0.05912 | 499420.00 | 3634133.20 | 0.05811 |
| 499470.00 | 3634133.20 | 0.05665 | 499520.00 | 3634133.20 | 0.05474 |
| 499570.00 | 3634133.20 | 0.05208 | 499620.00 | 3634133.20 | 0.04830 |
| 499670.00 | 3634133.20 | 0.04330 | 499720.00 | 3634133.20 | 0.03776 |
| 499770.00 | 3634133.20 | 0.03301 | 499820.00 | 3634133.20 | 0.02933 |
| 499870.00 | 3634133.20 | 0.02638 | 499920.00 | 3634133.20 | 0.02394 |
| 497720.00 | 3634183.20 | 0.02911 | 497770.00 | 3634183.20 | 0.03015 |
| 497820.00 | 3634183.20 | 0.03115 | 497870.00 | 3634183.20 | 0.03201 |
| 497920.00 | 3634183.20 | 0.03272 | 497970.00 | 3634183.20 | 0.03329 |
| 498020.00 | 3634183.20 | 0.03379 | 498070.00 | 3634183.20 | 0.03426 |
| 498120.00 | 3634183.20 | 0.03473 | 498170.00 | 3634183.20 | 0.03521 |
| 498220.00 | 3634183.20 | 0.03571 | 498270.00 | 3634183.20 | 0.03625 |
| 498320.00 | 3634183.20 | 0.03682 | 498370.00 | 3634183.20 | 0.03743 |
| 498420.00 | 3634183.20 | 0.03806 | 498470.00 | 3634183.20 | 0.03872 |
| 498520.00 | 3634183.20 | 0.03940 | 498570.00 | 3634183.20 | 0.04010 |
| 498620.00 | 3634183.20 | 0.04082 | 498670.00 | 3634183.20 | 0.04157 |
| 498720.00 | 3634183.20 | 0.04236 | 498770.00 | 3634183.20 | 0.04320 |
| 498820.00 | 3634183.20 | 0.04413 | 498870.00 | 3634183.20 | 0.04516 |
| 498920.00 | 3634183.20 | 0.04631 | 498970.00 | 3634183.20 | 0.04757 |
| 499020.00 | 3634183.20 | 0.04883 | 499070.00 | 3634183.20 | 0.04991 |
| 499120.00 | 3634183.20 | 0.05072 | 499170.00 | 3634183.20 | 0.05125 |
| 499220.00 | 3634183.20 | 0.05153 | 499270.00 | 3634183.20 | 0.05160 |
| 499320.00 | 3634183.20 | 0.05142 | 499370.00 | 3634183.20 | 0.05092 |
| 499420.00 | 3634183.20 | 0.05006 | 499470.00 | 3634183.20 | 0.04878 |
| 499520.00 | 3634183.20 | 0.04704 | 499570.00 | 3634183.20 | 0.04470 |
| 499620.00 | 3634183.20 | 0.04153 | 499670.00 | 3634183.20 | 0.03752 |
| 499720.00 | 3634183.20 | 0.03317 | 499770.00 | 3634183.20 | 0.02937 |
| 499820.00 | 3634183.20 | 0.02635 | 499870.00 | 3634183.20 | 0.02389 |



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 8P4UG00J , KAM0N00I , KAM0N00J ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 499920.00 | 3634183.20 | 0.02183 | 497720.00 | 3634233.20 | 0.02723 |
| 497770.00 | 3634233.20 | 0.02811 | 497820.00 | 3634233.20 | 0.02895 |
| 497870.00 | 3634233.20 | 0.02969 | 497920.00 | 3634233.20 | 0.03029 |
| 497970.00 | 3634233.20 | 0.03078 | 498020.00 | 3634233.20 | 0.03119 |
| 498070.00 | 3634233.20 | 0.03157 | 498120.00 | 3634233.20 | 0.03193 |
| 498170.00 | 3634233.20 | 0.03230 | 498220.00 | 3634233.20 | 0.03268 |
| 498270.00 | 3634233.20 | 0.03308 | 498320.00 | 3634233.20 | 0.03350 |
| 498370.00 | 3634233.20 | 0.03394 | 498420.00 | 3634233.20 | 0.03440 |
| 498470.00 | 3634233.20 | 0.03487 | 498520.00 | 3634233.20 | 0.03537 |
| 498570.00 | 3634233.20 | 0.03589 | 498620.00 | 3634233.20 | 0.03643 |
| 498670.00 | 3634233.20 | 0.03701 | 498720.00 | 3634233.20 | 0.03764 |
| 498770.00 | 3634233.20 | 0.03832 | 498820.00 | 3634233.20 | 0.03908 |
| 498870.00 | 3634233.20 | 0.03993 | 498920.00 | 3634233.20 | 0.04087 |
| 498970.00 | 3634233.20 | 0.04190 | 499020.00 | 3634233.20 | 0.04292 |
| 499070.00 | 3634233.20 | 0.04381 | 499120.00 | 3634233.20 | 0.04450 |
| 499170.00 | 3634233.20 | 0.04496 | 499220.00 | 3634233.20 | 0.04521 |
| 499270.00 | 3634233.20 | 0.04526 | 499320.00 | 3634233.20 | 0.04510 |
| 499370.00 | 3634233.20 | 0.04466 | 499420.00 | 3634233.20 | 0.04387 |
| 499470.00 | 3634233.20 | 0.04269 | 499520.00 | 3634233.20 | 0.04110 |
| 499570.00 | 3634233.20 | 0.03902 | 499620.00 | 3634233.20 | 0.03634 |
| 499670.00 | 3634233.20 | 0.03306 | 499720.00 | 3634233.20 | 0.02954 |
| 499770.00 | 3634233.20 | 0.02642 | 499820.00 | 3634233.20 | 0.02389 |
| 499870.00 | 3634233.20 | 0.02180 | 499920.00 | 3634233.20 | 0.02002 |
| 497720.00 | 3634283.20 | 0.02543 | 497770.00 | 3634283.20 | 0.02618 |
| 497820.00 | 3634283.20 | 0.02688 | 497870.00 | 3634283.20 | 0.02750 |
| 497920.00 | 3634283.20 | 0.02801 | 497970.00 | 3634283.20 | 0.02841 |
| 498020.00 | 3634283.20 | 0.02874 | 498070.00 | 3634283.20 | 0.02903 |
| 498120.00 | 3634283.20 | 0.02931 | 498170.00 | 3634283.20 | 0.02958 |
| 498220.00 | 3634283.20 | 0.02986 | 498270.00 | 3634283.20 | 0.03015 |
| 498320.00 | 3634283.20 | 0.03045 | 498370.00 | 3634283.20 | 0.03077 |
| 498420.00 | 3634283.20 | 0.03111 | 498470.00 | 3634283.20 | 0.03147 |
| 498520.00 | 3634283.20 | 0.03185 | 498570.00 | 3634283.20 | 0.03226 |
| 498620.00 | 3634283.20 | 0.03270 | 498670.00 | 3634283.20 | 0.03318 |
| 498720.00 | 3634283.20 | 0.03371 | 498770.00 | 3634283.20 | 0.03429 |
| 498820.00 | 3634283.20 | 0.03495 | 498870.00 | 3634283.20 | 0.03567 |
| 498920.00 | 3634283.20 | 0.03648 | 498970.00 | 3634283.20 | 0.03736 |
| 499020.00 | 3634283.20 | 0.03823 | 499070.00 | 3634283.20 | 0.03899 |
| 499120.00 | 3634283.20 | 0.03959 | 499170.00 | 3634283.20 | 0.03999 |
| 499220.00 | 3634283.20 | 0.04021 | 499270.00 | 3634283.20 | 0.04025 |
| 499320.00 | 3634283.20 | 0.04009 | 499370.00 | 3634283.20 | 0.03968 |



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 8P4UG00J , KAM0N00I , KAM0N00J ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 499420.00 | 3634283.20 | 0.03893 | 499470.00 | 3634283.20 | 0.03782 |
| 499520.00 | 3634283.20 | 0.03636 | 499570.00 | 3634283.20 | 0.03453 |
| 499620.00 | 3634283.20 | 0.03224 | 499670.00 | 3634283.20 | 0.02949 |
| 499720.00 | 3634283.20 | 0.02659 | 499770.00 | 3634283.20 | 0.02398 |
| 499820.00 | 3634283.20 | 0.02183 | 499870.00 | 3634283.20 | 0.02003 |
| 499920.00 | 3634283.20 | 0.01848 | 497720.00 | 3634333.20 | 0.02371 |
| 497770.00 | 3634333.20 | 0.02434 | 497820.00 | 3634333.20 | 0.02493 |
| 497870.00 | 3634333.20 | 0.02545 | 497920.00 | 3634333.20 | 0.02586 |
| 497970.00 | 3634333.20 | 0.02619 | 498020.00 | 3634333.20 | 0.02645 |
| 498070.00 | 3634333.20 | 0.02667 | 498120.00 | 3634333.20 | 0.02687 |
| 498170.00 | 3634333.20 | 0.02707 | 498220.00 | 3634333.20 | 0.02727 |
| 498270.00 | 3634333.20 | 0.02748 | 498320.00 | 3634333.20 | 0.02771 |
| 498370.00 | 3634333.20 | 0.02795 | 498420.00 | 3634333.20 | 0.02822 |
| 498470.00 | 3634333.20 | 0.02850 | 498520.00 | 3634333.20 | 0.02882 |
| 498570.00 | 3634333.20 | 0.02916 | 498620.00 | 3634333.20 | 0.02954 |
| 498670.00 | 3634333.20 | 0.02996 | 498720.00 | 3634333.20 | 0.03043 |
| 498770.00 | 3634333.20 | 0.03096 | 498820.00 | 3634333.20 | 0.03154 |
| 498870.00 | 3634333.20 | 0.03219 | 498920.00 | 3634333.20 | 0.03291 |
| 498970.00 | 3634333.20 | 0.03367 | 499020.00 | 3634333.20 | 0.03442 |
| 499070.00 | 3634333.20 | 0.03509 | 499120.00 | 3634333.20 | 0.03561 |
| 499170.00 | 3634333.20 | 0.03596 | 499220.00 | 3634333.20 | 0.03614 |
| 499270.00 | 3634333.20 | 0.03616 | 499320.00 | 3634333.20 | 0.03601 |
| 499370.00 | 3634333.20 | 0.03560 | 499420.00 | 3634333.20 | 0.03489 |
| 499470.00 | 3634333.20 | 0.03384 | 499520.00 | 3634333.20 | 0.03250 |
| 499570.00 | 3634333.20 | 0.03088 | 499620.00 | 3634333.20 | 0.02890 |
| 499670.00 | 3634333.20 | 0.02657 | 499720.00 | 3634333.20 | 0.02413 |
| 499770.00 | 3634333.20 | 0.02192 | 499820.00 | 3634333.20 | 0.02007 |
| 499870.00 | 3634333.20 | 0.01851 | 499920.00 | 3634333.20 | 0.01715 |
| 497720.00 | 3634383.20 | 0.02208 | 497770.00 | 3634383.20 | 0.02260 |
| 497820.00 | 3634383.20 | 0.02310 | 497870.00 | 3634383.20 | 0.02352 |
| 497920.00 | 3634383.20 | 0.02387 | 497970.00 | 3634383.20 | 0.02413 |
| 498020.00 | 3634383.20 | 0.02433 | 498070.00 | 3634383.20 | 0.02450 |
| 498120.00 | 3634383.20 | 0.02465 | 498170.00 | 3634383.20 | 0.02479 |
| 498220.00 | 3634383.20 | 0.02494 | 498270.00 | 3634383.20 | 0.02510 |
| 498320.00 | 3634383.20 | 0.02528 | 498370.00 | 3634383.20 | 0.02548 |
| 498420.00 | 3634383.20 | 0.02570 | 498470.00 | 3634383.20 | 0.02595 |
| 498520.00 | 3634383.20 | 0.02622 | 498570.00 | 3634383.20 | 0.02653 |
| 498620.00 | 3634383.20 | 0.02688 | 498670.00 | 3634383.20 | 0.02727 |
| 498720.00 | 3634383.20 | 0.02770 | 498770.00 | 3634383.20 | 0.02819 |
| 498820.00 | 3634383.20 | 0.02872 | 498870.00 | 3634383.20 | 0.02931 |



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 8P4UG00J , KAM0N00I , KAM0N00J ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 498920.00 | 3634383.20 | 0.02995 | 498970.00 | 3634383.20 | 0.03062 |
| 499020.00 | 3634383.20 | 0.03128 | 499070.00 | 3634383.20 | 0.03186 |
| 499120.00 | 3634383.20 | 0.03231 | 499170.00 | 3634383.20 | 0.03261 |
| 499220.00 | 3634383.20 | 0.03276 | 499270.00 | 3634383.20 | 0.03277 |
| 499320.00 | 3634383.20 | 0.03261 | 499370.00 | 3634383.20 | 0.03220 |
| 499420.00 | 3634383.20 | 0.03151 | 499470.00 | 3634383.20 | 0.03053 |
| 499520.00 | 3634383.20 | 0.02931 | 499570.00 | 3634383.20 | 0.02786 |
| 499620.00 | 3634383.20 | 0.02613 | 499670.00 | 3634383.20 | 0.02413 |
| 499720.00 | 3634383.20 | 0.02205 | 499770.00 | 3634383.20 | 0.02016 |
| 499820.00 | 3634383.20 | 0.01855 | 499870.00 | 3634383.20 | 0.01718 |
| 499920.00 | 3634383.20 | 0.01599 | 497720.00 | 3634433.20 | 0.02053 |
| 497770.00 | 3634433.20 | 0.02097 | 497820.00 | 3634433.20 | 0.02139 |
| 497870.00 | 3634433.20 | 0.02174 | 497920.00 | 3634433.20 | 0.02203 |
| 497970.00 | 3634433.20 | 0.02224 | 498020.00 | 3634433.20 | 0.02240 |
| 498070.00 | 3634433.20 | 0.02252 | 498120.00 | 3634433.20 | 0.02263 |
| 498170.00 | 3634433.20 | 0.02275 | 498220.00 | 3634433.20 | 0.02287 |
| 498270.00 | 3634433.20 | 0.02300 | 498320.00 | 3634433.20 | 0.02316 |
| 498370.00 | 3634433.20 | 0.02333 | 498420.00 | 3634433.20 | 0.02353 |
| 498470.00 | 3634433.20 | 0.02375 | 498520.00 | 3634433.20 | 0.02401 |
| 498570.00 | 3634433.20 | 0.02430 | 498620.00 | 3634433.20 | 0.02463 |
| 498670.00 | 3634433.20 | 0.02500 | 498720.00 | 3634433.20 | 0.02541 |
| 498770.00 | 3634433.20 | 0.02586 | 498820.00 | 3634433.20 | 0.02635 |
| 498870.00 | 3634433.20 | 0.02688 | 498920.00 | 3634433.20 | 0.02746 |
| 498970.00 | 3634433.20 | 0.02805 | 499020.00 | 3634433.20 | 0.02863 |
| 499070.00 | 3634433.20 | 0.02913 | 499120.00 | 3634433.20 | 0.02952 |
| 499170.00 | 3634433.20 | 0.02978 | 499220.00 | 3634433.20 | 0.02991 |
| 499270.00 | 3634433.20 | 0.02990 | 499320.00 | 3634433.20 | 0.02972 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 499370.00 | 3634433.20 | 0.02932 | 499420.00 | 3634433.20 | 0.02864 | |
| 499470.00 | 3634433.20 | 0.02773 | 499520.00 | 3634433.20 | 0.02663 | |
| 499570.00 | 3634433.20 | 0.02534 | 499620.00 | 3634433.20 | 0.02380 | |
| 499670.00 | 3634433.20 | 0.02206 | 499720.00 | 3634433.20 | 0.02027 | |
| 499770.00 | 3634433.20 | 0.01863 | 499820.00 | 3634433.20 | 0.01722 | |
| 499870.00 | 3634433.20 | 0.01602 | 499920.00 | 3634433.20 | 0.01496 | |



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 8P4UG00J , KAM0N00I , KAM0N00J ,

*** SENSITIVE DISCRETE RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 497837.70 | 3633760.30 | 0.07597 | 498013.60 | 3633634.80 | 0.10332 |
| 498149.30 | 3633514.20 | 0.11795 | 498287.90 | 3633428.00 | 0.14336 |
| 498451.00 | 3633446.90 | 0.14967 | 498600.40 | 3633509.50 | 0.16656 |
| 498735.70 | 3633586.50 | 0.16259 | 498909.10 | 3633664.00 | 0.17257 |
| 498935.60 | 3633756.00 | 0.15374 | 499003.30 | 3633871.50 | 0.14687 |
| 499469.50 | 3633945.20 | 0.13828 | 499637.10 | 3633996.10 | 0.08453 |
| 499714.80 | 3633997.50 | 0.06234 | 499799.20 | 3633656.70 | 0.06339 |
| 499769.30 | 3633604.10 | 0.06693 | 499470.30 | 3633308.40 | 0.05075 |
| 498972.10 | 3633021.20 | 0.01866 | 498147.00 | 3633070.00 | 0.02504 |
| 497772.00 | 3633329.70 | 0.05028 | 498732.60 | 3634298.30 | 0.03279 |
| 498720.10 | 3633996.30 | 0.06793 | | | |



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 1 YEARS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

| GROUP ID | AVERAGE CONC | RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) | OF TYPE | NETWORK GRID-ID |
|---|---|---|---|---|
| ALL | 1ST HIGHEST VALUE IS | 0.17512 AT ( 498770.00, 3633583.20, 1.50, 0.00, 0.00) | DC | |
| | 2ND HIGHEST VALUE IS | 0.17476 AT ( 498870.00, 3633633.20, 1.50, 0.00, 0.00) | DC | |
| | 3RD HIGHEST VALUE IS | 0.17257 AT ( 498909.10, 3633664.00, 1.50, 0.00, 0.00) | SR | |
| | 4TH HIGHEST VALUE IS | 0.16994 AT ( 498920.00, 3633683.20, 1.50, 0.00, 0.00) | DC | |
| | 5TH HIGHEST VALUE IS | 0.16656 AT ( 498600.40, 3633509.50, 1.50, 0.00, 0.00) | SR | |
| | 6TH HIGHEST VALUE IS | 0.16259 AT ( 498735.70, 3633586.50, 1.50, 0.00, 0.00) | SR | |
| | 7TH HIGHEST VALUE IS | 0.16021 AT ( 498720.00, 3633583.20, 1.50, 0.00, 0.00) | DC | |
| | 8TH HIGHEST VALUE IS | 0.16002 AT ( 498820.00, 3633633.20, 1.50, 0.00, 0.00) | DC | |
| | 9TH HIGHEST VALUE IS | 0.15942 AT ( 498620.00, 3633533.20, 1.50, 0.00, 0.00) | DC | |
| | 10TH HIGHEST VALUE IS | 0.15460 AT ( 498920.00, 3633733.20, 1.50, 0.00, 0.00) | DC | |

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



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

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

--------- Summary of Total Messages --------

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 537 Informational Message(s)

A Total of 8784 Hours Were Processed

A Total of 438 Calm Hours Identified

A Total of 99 Missing Hours Identified ( 1.13 Percent)

******** FATAL ERROR MESSAGES ********
*** NONE ***

******** WARNING MESSAGES ********
MX W403 6 PFLCNV: Turbulence data is being used w/o ADJ_U* option SigA Data
MX W403 7 PFLCNV: Turbulence data is being used w/o ADJ_U* option SigA Data
MX W403 8 PFLCNV: Turbulence data is being used w/o ADJ_U* option SigA Data
MX W403 9 PFLCNV: Turbulence data is being used w/o ADJ_U* option SigA Data

```
**********************************
*** AERMOD Finishes Successfully ***
**********************************
```

# **ATTACHMENT E**

AERMOD Input/Output – Mitigated

```
1                    AERMOD PRIME - (DATED 23132 )

                   AERMODPrMSPx VERSION
             (C) COPYRIGHT 1998-2022, Trinity Consultants

 Run Began on  1/26/2025 at 18:58:35

** BREEZE AERMOD
** Trinity Consultants
** VERSION  12.1

CO STARTING
CO TITLEONE  Carlton DPM Mitigated T4
CO MODELOPT  DFAULT  CONC  DRYDPLT  NOWETDPLT
CO RUNORNOT  RUN
CO AVERTIME  ANNUAL
CO POLLUTID  PM10
CO FINISHED

SO STARTING
SO ELEVUNIT  METERS
SO LOCATION  8P4UG00J  AREAPOLY  498988.2  3633273  0
** SRCDESCR  Hotel
SO LOCATION  KAM0N00I  AREAPOLY  497818.9  3633745.2  0
** SRCDESCR  NAR
SO LOCATION  KAM0N00J  AREAPOLY  498610.5  3633262.4  0
** SRCDESCR  WAR
SO SRCPARAM  8P4UG00J  1.02E-09  3  13  1.4
SO SRCPARAM  KAM0N00I  5.04E-10  3  24  1.4
SO SRCPARAM  KAM0N00J  3.25E-10  3  29  1.4
SO AREAVERT  8P4UG00J  498988.2 3633273  499398.4 3633754.8  499532.8 3633769.1  499570 3633863.4
SO AREAVERT  8P4UG00J  499704.4 3633880.6  499707.2 3633690.4  499678.6 3633573.2  499527.1 3633498.9
SO AREAVERT  8P4UG00J  499392.7 3633391.7  499359.8 3633355.9  499109.7 3633257.3  499109.7 3633257.3
SO AREAVERT  8P4UG00J  498988.2 3633273
SO AREAVERT  KAM0N00I  497818.9 3633745.2  497798.4 3633599.6  497901 3633494.9  497940 3633386.2
SO AREAVERT  KAM0N00I  498042.5 3633326.7  498165.6 3633252.9  498239.5 3633226.2  498348.2 3633240.6
SO AREAVERT  KAM0N00I  498514.4 3633252.9  498608.7 3633263.2  498591.8 3633318.8  498873.7 3633457.2
SO AREAVERT  KAM0N00I  498878.7 3633561.9  498988.4 3633621  498927.1 3633630  498857.8 3633588.5
SO AREAVERT  KAM0N00I  498743.2 3633550.7  498643.7 3633506.6  498535.4 3633443.6  498495.1 3633419.7
SO AREAVERT  KAM0N00I  498293.6 3633399.5  498193.8 3633428  498025.9 3633582.2  497914.5 3633683.3
SO AREAVERT  KAM0N00J  498610.5 3633262.4  498594.2 3633319.2  498874.3 3633456.3  498880.2 3633562.1
SO AREAVERT  KAM0N00J  498989.8 3633622  498928 3633631.6  498958.9 3633675.9  498969.4 3633716.1
SO AREAVERT  KAM0N00J  499006.4 3633722.7  498979.3 3633836.1  499036.6 3633857.7  499022.8 3633896.6
SO AREAVERT  KAM0N00J  499182.3 3633946.8  499195.3 3633901.4  499428.5 3633937  499448.7 3633917.6
SO AREAVERT  KAM0N00J  499538.6 3633946  499631.4 3633959.1  499647.3 3633969  499700 3633975
SO AREAVERT  KAM0N00J  499704.2 3633882.4  499570.1 3633866.1  499532 3633770  499400.6 3633756.4
SO AREAVERT  KAM0N00J  498988 3633273.8  498844.8 3633291.7  498738.2 3633318.5  498686 3633298.4
SO AREAVERT  KAM0N00J  498610.5 3633262.4
SO PARTDIAM  8P4UG00J  0.1  2.5  10
SO MASSFRAX  8P4UG00J  .3  .6  .1
SO PARTDENS  8P4UG00J  1.5  1.5  1.5
SO PARTDIAM  KAM0N00I  0.1  2.5  10
SO MASSFRAX  KAM0N00I  .3  .6  .1
SO PARTDENS  KAM0N00I  1.5  1.5  1.5
SO PARTDIAM  KAM0N00J  0.1  2.5  10
SO MASSFRAX  KAM0N00J  .3  .6  .1
SO PARTDENS  KAM0N00J  1.5  1.5  1.5
SO SRCGROUP  ALL
SO FINISHED

RE STARTING
RE ELEVUNIT  METERS
RE DISCCART  497837.7  3633760.3  1.5  0
** SENSITIV
** RCPDESCR  R1
RE DISCCART  498013.6  3633634.8  1.5  0
** SENSITIV
** RCPDESCR  R2
RE DISCCART  498149.3  3633514.2  1.5  0
** SENSITIV
** RCPDESCR  R3
RE DISCCART  498287.9  3633428  1.5  0
** SENSITIV
** RCPDESCR  R4
RE DISCCART  498451.0  3633446.9  1.5  0
** SENSITIV
** RCPDESCR  R5
RE DISCCART  498600.4  3633509.5  1.5  0
** SENSITIV
** RCPDESCR  R6
RE DISCCART  498735.7  3633586.5  1.5  0
** SENSITIV
** RCPDESCR  R7
RE DISCCART  498909.1  3633664.0  1.5  0
** SENSITIV
** RCPDESCR  R8
RE DISCCART  498935.6  3633756.0  1.5  0
** SENSITIV
** RCPDESCR  R9
RE DISCCART  499003.3  3633871.5  1.5  0
** SENSITIV
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** RCPDESCR  R10
RE DISCCART  499469.5  3633945.2  1.5  0
** SENSITIV
** RCPDESCR  R11
RE DISCCART  499637.1  3633996.1  1.5  0
** SENSITIV
** RCPDESCR  R12
RE DISCCART  499714.8  3633997.5  1.5  0
** SENSITIV
** RCPDESCR  R13
RE DISCCART  499799.2  3633656.7  1.5  0
** SENSITIV
** RCPDESCR  R14
RE DISCCART  499769.3  3633604.1  1.5  0
** SENSITIV
** RCPDESCR  R15
RE DISCCART  499470.3  3633308.4  1.5  0
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RE DISCCART  498972.1  3633021.2  1.5  0
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** RCPDESCR  R17
RE DISCCART  498147.0  3633070.0  1.5  0
** SENSITIV
** RCPDESCR  R18
RE DISCCART  497772.0  3633329.7  1.5  0
** SENSITIV
** RCPDESCR  R19
RE DISCCART  498732.6  3634298.3  1.5  0
** SENSITIV
** RCPDESCR  HighSchool R20
RE DISCCART  498720.1  3633996.3  1.5  0
** SENSITIV
** RCPDESCR  Elementary School R21
RE DISCCART  497720.0  3632833.2  1.5  0
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RE DISCCART  499120.0  3632883.2  1.5  0
** RCPDESCR  grid receptors
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RE DISCCART  499120.0  3632933.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499170.0  3632933.2  1.5  0
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RE DISCCART  499570.0  3632933.2  1.5  0
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RE DISCCART  497870.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  497920.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  497970.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498020.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498070.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498120.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498170.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498220.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498270.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498320.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498370.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498420.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498470.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498520.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498570.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498620.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498670.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498720.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498770.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498820.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498870.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498920.0  3634383.2  1.5  0
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** RCPDESCR  grid receptors
RE DISCCART  498970.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499020.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499070.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499120.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499170.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499220.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499270.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499320.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499370.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499420.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499470.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499520.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499570.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499620.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499670.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499720.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499770.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499820.0  3634383.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499870.0  3634383.2  1.5  0
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** RCPDESCR  grid receptors
RE DISCCART  497770.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  497820.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  497870.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  497920.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  497970.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498020.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498070.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
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** RCPDESCR  grid receptors
RE DISCCART  498170.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498220.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498270.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498320.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498370.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498420.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498470.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498520.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498570.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
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** RCPDESCR  grid receptors
RE DISCCART  498670.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498720.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498770.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498820.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498870.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  498920.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
```

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RE DISCCART  498970.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499020.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499070.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499120.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499170.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499220.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499270.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499320.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499370.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499420.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499470.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499520.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499570.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
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** RCPDESCR  grid receptors
RE DISCCART  499670.0  3634433.2  1.5  0
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RE DISCCART  499720.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499770.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499820.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499870.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE DISCCART  499920.0  3634433.2  1.5  0
** RCPDESCR  grid receptors
RE FINISHED

ME STARTING
ME SURFFILE  "C:\Users\ryan\MYDRIV~1.COM\METDAT~1\ECA_20~1\ECA_2012_V15181.SFC"
** SURFFILE  "C:\Users\ryan\MYDRIV~1.COM\METDAT~1\ECA_20~1\ECA_2012_V15181.SFC"
ME PROFFILE  "C:\Users\ryan\MYDRIV~1.COM\METDAT~1\ECA_20~1\ECA_2012_V15181.PFL"
** PROFFILE  "C:\Users\ryan\MYDRIV~1.COM\METDAT~1\ECA_20~1\ECA_2012_V15181.PFL"
ME SURFDATA  93107 2012
ME UAIRDATA  3190 2012
ME SITEDATA  00000003 2012
ME PROFBASE  0  METERS
ME FINISHED

OU STARTING
OU FILEFORM  FIX
OU PLOTFILE  ANNUAL  ALL  ALL`ANNUAL.plt  10000
OU FINISHED

** ************************************************************************
** It is recommended that the user not edit any data below this line
** ************************************************************************


** AMPTYPE
** AMPDATUM  -1
** AMPZONE  -1
** AMPHEMISPHERE

** PROJECTIONWKT
PROJCS["UTM_6326_Zone11",GEOGCS["WGS_84",DATUM["World_Geodetic_System_1984",SPHEROID["WGS_1984",6378137,298.257223563],TOWGS84[0,0,0,0,0,0,0]],PRIMEM["Gree
nwich",0],UNIT["Degree",0.0174532925199433]],PROJECTION["Universal_Transverse_Mercator"],PARAMETER["Zone",11],UNIT["Meter",1,AUTHORITY["EPSG","9001"]]]
** PROJECTION  UTM
** DATUM  WGE
** UNITS  METER
** ZONE  11
** HEMISPHERE  N
** ORIGINLON  0
** ORIGINLAT  0
** PARALLEL1  0
** PARALLEL2  0
** AZIMUTH  0
** SCALEFACT  0
** FALSEEAST  0
** FALSENORTH  0

** POSTFMT  UNFORM
** TEMPLATE REGULATORY,0
** AERMODEXE  AERMOD_BREEZE_23132_64.EXE
** AERMAPEXE  AERMAP_EPA_18081_64.EXE
```

```
 **********************************
 *** SETUP Finishes Successfully ***
 **********************************

 *** AERMOD - VERSION 23132  ***   ***  Carlton DPM Mitigated T4                                          ***        01/26/25
 *** AERMET - VERSION  15181 ***   ***                                                                   ***        18:58:35
                                                                                                                  PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  DRYDPLT  RURAL

                                        ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 ** Model Options Selected:
      * Model Uses Regulatory DEFAULT Options
      * Model Is Setup For Calculation of Average CONCentration Values.
      * NO GAS DEPOSITION Data Provided.
      * PARTICLE DEPOSITION Data Provided.
      * Model Uses DRY DEPLETION. DDPLETE  =  T
      * 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 RURAL Dispersion Only.
      * CCVR_Sub - Meteorological data includes CCVR substitutions
      * TEMP_Sub - Meteorological data includes TEMP substitutions
      * Model Assumes No FLAGPOLE Receptor Heights.
      * The User Specified a Pollutant Type of: PM10

 **Model Calculates ANNUAL Averages Only

 **This Run Includes:      3 Source(s);       1 Source Group(s); and    1207 Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:      3 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 Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  15181

 **Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE 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) =     0.00 ;  Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                              ;  Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.6 MB of RAM.

 **Input Runstream File:          aermod.inp
 **Output Print File:             aermod.out

 *** AERMOD - VERSION 23132  ***   ***  Carlton DPM Mitigated T4                                          ***        01/26/25
 *** AERMET - VERSION  15181 ***   ***                                                                   ***        18:58:35
                                                                                                                  PAGE   2
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  DRYDPLT  RURAL


                                             *** AREAPOLY SOURCE DATA ***

              NUMBER EMISSION RATE   LOCATION OF AREA  BASE     RELEASE  NUMBER      INIT.   URBAN  EMISSION RATE    AIRCRAFT
   SOURCE      PART.  (GRAMS/SEC       X        Y      ELEV.    HEIGHT  OF VERTS.     SZ     SOURCE  SCALAR VARY
     ID        CATS.   /METER**2)   (METERS) (METERS) (METERS) (METERS)            (METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 8P4UG00J         3   0.10200E-08  498988.2 3633273.0     0.0     3.00      13         1.40     NO                    NO
 KAM0N00I         3   0.50400E-09  497818.9 3633745.2     0.0     3.00      24         1.40     NO                    NO
 KAM0N00J         3   0.32500E-09  498610.5 3633262.4     0.0     3.00      29         1.40     NO                    NO
 *** AERMOD - VERSION 23132  ***   ***  Carlton DPM Mitigated T4                                          ***        01/26/25
 *** AERMET - VERSION  15181 ***   ***                                                                   ***        18:58:35
                                                                                                                  PAGE   3
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  DRYDPLT  RURAL


                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                          SOURCE IDs
```

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = 8P4UG00J    ; SOURCE TYPE = AREAPOLY ***

MASS FRACTION =
0.30000,  0.60000,  0.10000,

PARTICLE DIAMETER (MICRONS) =
0.10000,  2.50000,  10.00000,

PARTICLE DENSITY (G/CM**3)  =
1.50000,  1.50000,  1.50000,

*** SOURCE ID = KAM0N00I    ; SOURCE TYPE = AREAPOLY ***

MASS FRACTION =
0.30000,  0.60000,  0.10000,

PARTICLE DIAMETER (MICRONS) =
0.10000,  2.50000,  10.00000,

PARTICLE DENSITY (G/CM**3)  =
1.50000,  1.50000,  1.50000,

*** SOURCE ID = KAM0N00J    ; SOURCE TYPE = AREAPOLY ***

MASS FRACTION =
0.30000,  0.60000,  0.10000,

PARTICLE DIAMETER (MICRONS) =
0.10000,  2.50000,  10.00000,

PARTICLE DENSITY (G/CM**3)  =
1.50000,  1.50000,  1.50000,



*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ( 497720.0, 3632833.2, | 1.5, | 0.0, | 0.0); | ( 497770.0, 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 497820.0, 3632833.2, | 1.5, | 0.0, | 0.0); | ( 497870.0, 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 497920.0, 3632833.2, | 1.5, | 0.0, | 0.0); | ( 497970.0, 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 498020.0, 3632833.2, | 1.5, | 0.0, | 0.0); | ( 498070.0, 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 498120.0, 3632833.2, | 1.5, | 0.0, | 0.0); | ( 498170.0, 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 498220.0, 3632833.2, | 1.5, | 0.0, | 0.0); | ( 498270.0, 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 498320.0, 3632833.2, | 1.5, | 0.0, | 0.0); | ( 498370.0, 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 498420.0, 3632833.2, | 1.5, | 0.0, | 0.0); | ( 498470.0, 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 498520.0, 3632833.2, | 1.5, | 0.0, | 0.0); | ( 498570.0, 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 498620.0, 3632833.2, | 1.5, | 0.0, | 0.0); | ( 498670.0, 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 498720.0, 3632833.2, | 1.5, | 0.0, | 0.0); | ( 498770.0, 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 498820.0, 3632833.2, | 1.5, | 0.0, | 0.0); | ( 498870.0, 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 498920.0, 3632833.2, | 1.5, | 0.0, | 0.0); | ( 498970.0, 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 499020.0, 3632833.2, | 1.5, | 0.0, | 0.0); | ( 499070.0, 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 499120.0, 3632833.2, | 1.5, | 0.0, | 0.0); | ( 499170.0, 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 499220.0, 3632833.2, | 1.5, | 0.0, | 0.0); | ( 499270.0, 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 499320.0, 3632833.2, | 1.5, | 0.0, | 0.0); | ( 499370.0, 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 499420.0, 3632833.2, | 1.5, | 0.0, | 0.0); | ( 499470.0, 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 499520.0, 3632833.2, | 1.5, | 0.0, | 0.0); | ( 499570.0, 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 499620.0, 3632833.2, | 1.5, | 0.0, | 0.0); | ( 499670.0, 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 499720.0, 3632833.2, | 1.5, | 0.0, | 0.0); | ( 499770.0, 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 499820.0, 3632833.2, | 1.5, | 0.0, | 0.0); | ( 499870.0, 3632833.2, | 1.5, | 0.0, | 0.0); |
| ( 499920.0, 3632833.2, | 1.5, | 0.0, | 0.0); | ( 497720.0, 3632883.2, | 1.5, | 0.0, | 0.0); |
| ( 497770.0, 3632883.2, | 1.5, | 0.0, | 0.0); | ( 497820.0, 3632883.2, | 1.5, | 0.0, | 0.0); |
| ( 497870.0, 3632883.2, | 1.5, | 0.0, | 0.0); | ( 497920.0, 3632883.2, | 1.5, | 0.0, | 0.0); |
| ( 497970.0, 3632883.2, | 1.5, | 0.0, | 0.0); | ( 498020.0, 3632883.2, | 1.5, | 0.0, | 0.0); |
| ( 498070.0, 3632883.2, | 1.5, | 0.0, | 0.0); | ( 498120.0, 3632883.2, | 1.5, | 0.0, | 0.0); |
| ( 498170.0, 3632883.2, | 1.5, | 0.0, | 0.0); | ( 498220.0, 3632883.2, | 1.5, | 0.0, | 0.0); |
| ( 498270.0, 3632883.2, | 1.5, | 0.0, | 0.0); | ( 498320.0, 3632883.2, | 1.5, | 0.0, | 0.0); |
| ( 498370.0, 3632883.2, | 1.5, | 0.0, | 0.0); | ( 498420.0, 3632883.2, | 1.5, | 0.0, | 0.0); |
| ( 498470.0, 3632883.2, | 1.5, | 0.0, | 0.0); | ( 498520.0, 3632883.2, | 1.5, | 0.0, | 0.0); |
| ( 498570.0, 3632883.2, | 1.5, | 0.0, | 0.0); | ( 498620.0, 3632883.2, | 1.5, | 0.0, | 0.0); |
| ( 498670.0, 3632883.2, | 1.5, | 0.0, | 0.0); | ( 498720.0, 3632883.2, | 1.5, | 0.0, | 0.0); |
| ( 498770.0, 3632883.2, | 1.5, | 0.0, | 0.0); | ( 498820.0, 3632883.2, | 1.5, | 0.0, | 0.0); |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ( | 498870.0, | 3632883.2, | 1.5, | 0.0, | 0.0); | ( | 498920.0, | 3632883.2, | 1.5, | 0.0, | 0.0); |
| ( | 498970.0, | 3632883.2, | 1.5, | 0.0, | 0.0); | ( | 499020.0, | 3632883.2, | 1.5, | 0.0, | 0.0); |
| ( | 499070.0, | 3632883.2, | 1.5, | 0.0, | 0.0); | ( | 499120.0, | 3632883.2, | 1.5, | 0.0, | 0.0); |
| ( | 499170.0, | 3632883.2, | 1.5, | 0.0, | 0.0); | ( | 499220.0, | 3632883.2, | 1.5, | 0.0, | 0.0); |
| ( | 499270.0, | 3632883.2, | 1.5, | 0.0, | 0.0); | ( | 499320.0, | 3632883.2, | 1.5, | 0.0, | 0.0); |
| ( | 499370.0, | 3632883.2, | 1.5, | 0.0, | 0.0); | ( | 499420.0, | 3632883.2, | 1.5, | 0.0, | 0.0); |
| ( | 499470.0, | 3632883.2, | 1.5, | 0.0, | 0.0); | ( | 499520.0, | 3632883.2, | 1.5, | 0.0, | 0.0); |
| ( | 499570.0, | 3632883.2, | 1.5, | 0.0, | 0.0); | ( | 499620.0, | 3632883.2, | 1.5, | 0.0, | 0.0); |
| ( | 499670.0, | 3632883.2, | 1.5, | 0.0, | 0.0); | ( | 499720.0, | 3632883.2, | 1.5, | 0.0, | 0.0); |
| ( | 499770.0, | 3632883.2, | 1.5, | 0.0, | 0.0); | ( | 499820.0, | 3632883.2, | 1.5, | 0.0, | 0.0); |
| ( | 499870.0, | 3632883.2, | 1.5, | 0.0, | 0.0); | ( | 499920.0, | 3632883.2, | 1.5, | 0.0, | 0.0); |



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ( | 497720.0, | 3632933.2, | 1.5, | 0.0, | 0.0); | ( | 497770.0, | 3632933.2, | 1.5, | 0.0, | 0.0); |
| ( | 497820.0, | 3632933.2, | 1.5, | 0.0, | 0.0); | ( | 497870.0, | 3632933.2, | 1.5, | 0.0, | 0.0); |
| ( | 497920.0, | 3632933.2, | 1.5, | 0.0, | 0.0); | ( | 497970.0, | 3632933.2, | 1.5, | 0.0, | 0.0); |
| ( | 498020.0, | 3632933.2, | 1.5, | 0.0, | 0.0); | ( | 498070.0, | 3632933.2, | 1.5, | 0.0, | 0.0); |
| ( | 498120.0, | 3632933.2, | 1.5, | 0.0, | 0.0); | ( | 498170.0, | 3632933.2, | 1.5, | 0.0, | 0.0); |
| ( | 498220.0, | 3632933.2, | 1.5, | 0.0, | 0.0); | ( | 498270.0, | 3632933.2, | 1.5, | 0.0, | 0.0); |
| ( | 498320.0, | 3632933.2, | 1.5, | 0.0, | 0.0); | ( | 498370.0, | 3632933.2, | 1.5, | 0.0, | 0.0); |
| ( | 498420.0, | 3632933.2, | 1.5, | 0.0, | 0.0); | ( | 498470.0, | 3632933.2, | 1.5, | 0.0, | 0.0); |
| ( | 498520.0, | 3632933.2, | 1.5, | 0.0, | 0.0); | ( | 498570.0, | 3632933.2, | 1.5, | 0.0, | 0.0); |
| ( | 498620.0, | 3632933.2, | 1.5, | 0.0, | 0.0); | ( | 498670.0, | 3632933.2, | 1.5, | 0.0, | 0.0); |
| ( | 498720.0, | 3632933.2, | 1.5, | 0.0, | 0.0); | ( | 498770.0, | 3632933.2, | 1.5, | 0.0, | 0.0); |
| ( | 498820.0, | 3632933.2, | 1.5, | 0.0, | 0.0); | ( | 498870.0, | 3632933.2, | 1.5, | 0.0, | 0.0); |
| ( | 498920.0, | 3632933.2, | 1.5, | 0.0, | 0.0); | ( | 498970.0, | 3632933.2, | 1.5, | 0.0, | 0.0); |
| ( | 499020.0, | 3632933.2, | 1.5, | 0.0, | 0.0); | ( | 499070.0, | 3632933.2, | 1.5, | 0.0, | 0.0); |
| ( | 499120.0, | 3632933.2, | 1.5, | 0.0, | 0.0); | ( | 499170.0, | 3632933.2, | 1.5, | 0.0, | 0.0); |
| ( | 499220.0, | 3632933.2, | 1.5, | 0.0, | 0.0); | ( | 499270.0, | 3632933.2, | 1.5, | 0.0, | 0.0); |
| ( | 499320.0, | 3632933.2, | 1.5, | 0.0, | 0.0); | ( | 499370.0, | 3632933.2, | 1.5, | 0.0, | 0.0); |
| ( | 499420.0, | 3632933.2, | 1.5, | 0.0, | 0.0); | ( | 499470.0, | 3632933.2, | 1.5, | 0.0, | 0.0); |
| ( | 499520.0, | 3632933.2, | 1.5, | 0.0, | 0.0); | ( | 499570.0, | 3632933.2, | 1.5, | 0.0, | 0.0); |
| ( | 499620.0, | 3632933.2, | 1.5, | 0.0, | 0.0); | ( | 499670.0, | 3632933.2, | 1.5, | 0.0, | 0.0); |
| ( | 499720.0, | 3632933.2, | 1.5, | 0.0, | 0.0); | ( | 499770.0, | 3632933.2, | 1.5, | 0.0, | 0.0); |
| ( | 499820.0, | 3632933.2, | 1.5, | 0.0, | 0.0); | ( | 499870.0, | 3632933.2, | 1.5, | 0.0, | 0.0); |
| ( | 499920.0, | 3632933.2, | 1.5, | 0.0, | 0.0); | ( | 497720.0, | 3632983.2, | 1.5, | 0.0, | 0.0); |
| ( | 497770.0, | 3632983.2, | 1.5, | 0.0, | 0.0); | ( | 497820.0, | 3632983.2, | 1.5, | 0.0, | 0.0); |
| ( | 497870.0, | 3632983.2, | 1.5, | 0.0, | 0.0); | ( | 497920.0, | 3632983.2, | 1.5, | 0.0, | 0.0); |
| ( | 497970.0, | 3632983.2, | 1.5, | 0.0, | 0.0); | ( | 498020.0, | 3632983.2, | 1.5, | 0.0, | 0.0); |
| ( | 498070.0, | 3632983.2, | 1.5, | 0.0, | 0.0); | ( | 498120.0, | 3632983.2, | 1.5, | 0.0, | 0.0); |
| ( | 498170.0, | 3632983.2, | 1.5, | 0.0, | 0.0); | ( | 498220.0, | 3632983.2, | 1.5, | 0.0, | 0.0); |
| ( | 498270.0, | 3632983.2, | 1.5, | 0.0, | 0.0); | ( | 498320.0, | 3632983.2, | 1.5, | 0.0, | 0.0); |
| ( | 498370.0, | 3632983.2, | 1.5, | 0.0, | 0.0); | ( | 498420.0, | 3632983.2, | 1.5, | 0.0, | 0.0); |
| ( | 498470.0, | 3632983.2, | 1.5, | 0.0, | 0.0); | ( | 498520.0, | 3632983.2, | 1.5, | 0.0, | 0.0); |
| ( | 498570.0, | 3632983.2, | 1.5, | 0.0, | 0.0); | ( | 498620.0, | 3632983.2, | 1.5, | 0.0, | 0.0); |
| ( | 498670.0, | 3632983.2, | 1.5, | 0.0, | 0.0); | ( | 498720.0, | 3632983.2, | 1.5, | 0.0, | 0.0); |
| ( | 498770.0, | 3632983.2, | 1.5, | 0.0, | 0.0); | ( | 498820.0, | 3632983.2, | 1.5, | 0.0, | 0.0); |
| ( | 498870.0, | 3632983.2, | 1.5, | 0.0, | 0.0); | ( | 498920.0, | 3632983.2, | 1.5, | 0.0, | 0.0); |
| ( | 498970.0, | 3632983.2, | 1.5, | 0.0, | 0.0); | ( | 499020.0, | 3632983.2, | 1.5, | 0.0, | 0.0); |
| ( | 499070.0, | 3632983.2, | 1.5, | 0.0, | 0.0); | ( | 499120.0, | 3632983.2, | 1.5, | 0.0, | 0.0); |
| ( | 499170.0, | 3632983.2, | 1.5, | 0.0, | 0.0); | ( | 499220.0, | 3632983.2, | 1.5, | 0.0, | 0.0); |
| ( | 499270.0, | 3632983.2, | 1.5, | 0.0, | 0.0); | ( | 499320.0, | 3632983.2, | 1.5, | 0.0, | 0.0); |
| ( | 499370.0, | 3632983.2, | 1.5, | 0.0, | 0.0); | ( | 499420.0, | 3632983.2, | 1.5, | 0.0, | 0.0); |
| ( | 499470.0, | 3632983.2, | 1.5, | 0.0, | 0.0); | ( | 499520.0, | 3632983.2, | 1.5, | 0.0, | 0.0); |
| ( | 499570.0, | 3632983.2, | 1.5, | 0.0, | 0.0); | ( | 499620.0, | 3632983.2, | 1.5, | 0.0, | 0.0); |
| ( | 499670.0, | 3632983.2, | 1.5, | 0.0, | 0.0); | ( | 499720.0, | 3632983.2, | 1.5, | 0.0, | 0.0); |
| ( | 499770.0, | 3632983.2, | 1.5, | 0.0, | 0.0); | ( | 499820.0, | 3632983.2, | 1.5, | 0.0, | 0.0); |
| ( | 499870.0, | 3632983.2, | 1.5, | 0.0, | 0.0); | ( | 499920.0, | 3632983.2, | 1.5, | 0.0, | 0.0); |



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ( | 497720.0, | 3633033.2, | 1.5, | 0.0, | 0.0); | ( | 497770.0, | 3633033.2, | 1.5, | 0.0, | 0.0); |
| ( | 497820.0, | 3633033.2, | 1.5, | 0.0, | 0.0); | ( | 497870.0, | 3633033.2, | 1.5, | 0.0, | 0.0); |
| ( | 497920.0, | 3633033.2, | 1.5, | 0.0, | 0.0); | ( | 497970.0, | 3633033.2, | 1.5, | 0.0, | 0.0); |
| ( | 498020.0, | 3633033.2, | 1.5, | 0.0, | 0.0); | ( | 498070.0, | 3633033.2, | 1.5, | 0.0, | 0.0); |
| ( | 498120.0, | 3633033.2, | 1.5, | 0.0, | 0.0); | ( | 498170.0, | 3633033.2, | 1.5, | 0.0, | 0.0); |
| ( | 498220.0, | 3633033.2, | 1.5, | 0.0, | 0.0); | ( | 498270.0, | 3633033.2, | 1.5, | 0.0, | 0.0); |
| ( | 498320.0, | 3633033.2, | 1.5, | 0.0, | 0.0); | ( | 498370.0, | 3633033.2, | 1.5, | 0.0, | 0.0); |
| ( | 498420.0, | 3633033.2, | 1.5, | 0.0, | 0.0); | ( | 498470.0, | 3633033.2, | 1.5, | 0.0, | 0.0); |
| ( | 498520.0, | 3633033.2, | 1.5, | 0.0, | 0.0); | ( | 498570.0, | 3633033.2, | 1.5, | 0.0, | 0.0); |
| ( | 498620.0, | 3633033.2, | 1.5, | 0.0, | 0.0); | ( | 498670.0, | 3633033.2, | 1.5, | 0.0, | 0.0); |
| ( | 498720.0, | 3633033.2, | 1.5, | 0.0, | 0.0); | ( | 498770.0, | 3633033.2, | 1.5, | 0.0, | 0.0); |
| ( | 498820.0, | 3633033.2, | 1.5, | 0.0, | 0.0); | ( | 498870.0, | 3633033.2, | 1.5, | 0.0, | 0.0); |
| ( | 498920.0, | 3633033.2, | 1.5, | 0.0, | 0.0); | ( | 498970.0, | 3633033.2, | 1.5, | 0.0, | 0.0); |
| ( | 499020.0, | 3633033.2, | 1.5, | 0.0, | 0.0); | ( | 499070.0, | 3633033.2, | 1.5, | 0.0, | 0.0); |
| ( | 499120.0, | 3633033.2, | 1.5, | 0.0, | 0.0); | ( | 499170.0, | 3633033.2, | 1.5, | 0.0, | 0.0); |
| ( | 499220.0, | 3633033.2, | 1.5, | 0.0, | 0.0); | ( | 499270.0, | 3633033.2, | 1.5, | 0.0, | 0.0); |
| ( | 499320.0, | 3633033.2, | 1.5, | 0.0, | 0.0); | ( | 499370.0, | 3633033.2, | 1.5, | 0.0, | 0.0); |

```
    ( 499420.0, 3633033.2,       1.5,       0.0,       0.0);        ( 499470.0, 3633033.2,       1.5,       0.0,       0.0);
    ( 499520.0, 3633033.2,       1.5,       0.0,       0.0);        ( 499570.0, 3633033.2,       1.5,       0.0,       0.0);
    ( 499620.0, 3633033.2,       1.5,       0.0,       0.0);        ( 499670.0, 3633033.2,       1.5,       0.0,       0.0);
    ( 499720.0, 3633033.2,       1.5,       0.0,       0.0);        ( 499770.0, 3633033.2,       1.5,       0.0,       0.0);
    ( 499820.0, 3633033.2,       1.5,       0.0,       0.0);        ( 499870.0, 3633033.2,       1.5,       0.0,       0.0);
    ( 499920.0, 3633033.2,       1.5,       0.0,       0.0);        ( 497720.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 497770.0, 3633083.2,       1.5,       0.0,       0.0);        ( 497820.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 497870.0, 3633083.2,       1.5,       0.0,       0.0);        ( 497920.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 497970.0, 3633083.2,       1.5,       0.0,       0.0);        ( 498020.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 498070.0, 3633083.2,       1.5,       0.0,       0.0);        ( 498120.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 498170.0, 3633083.2,       1.5,       0.0,       0.0);        ( 498220.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 498270.0, 3633083.2,       1.5,       0.0,       0.0);        ( 498320.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 498370.0, 3633083.2,       1.5,       0.0,       0.0);        ( 498420.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 498470.0, 3633083.2,       1.5,       0.0,       0.0);        ( 498520.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 498570.0, 3633083.2,       1.5,       0.0,       0.0);        ( 498620.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 498670.0, 3633083.2,       1.5,       0.0,       0.0);        ( 498720.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 498770.0, 3633083.2,       1.5,       0.0,       0.0);        ( 498820.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 498870.0, 3633083.2,       1.5,       0.0,       0.0);        ( 498920.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 498970.0, 3633083.2,       1.5,       0.0,       0.0);        ( 499020.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 499070.0, 3633083.2,       1.5,       0.0,       0.0);        ( 499120.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 499170.0, 3633083.2,       1.5,       0.0,       0.0);        ( 499220.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 499270.0, 3633083.2,       1.5,       0.0,       0.0);        ( 499320.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 499370.0, 3633083.2,       1.5,       0.0,       0.0);        ( 499420.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 499470.0, 3633083.2,       1.5,       0.0,       0.0);        ( 499520.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 499570.0, 3633083.2,       1.5,       0.0,       0.0);        ( 499620.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 499670.0, 3633083.2,       1.5,       0.0,       0.0);        ( 499720.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 499770.0, 3633083.2,       1.5,       0.0,       0.0);        ( 499820.0, 3633083.2,       1.5,       0.0,       0.0);
    ( 499870.0, 3633083.2,       1.5,       0.0,       0.0);        ( 499920.0, 3633083.2,       1.5,       0.0,       0.0);
*** AERMOD - VERSION 23132  ***   ***  Carlton DPM Mitigated T4                                          ***       01/26/25
*** AERMET - VERSION  15181 ***   ***                                                                   ***       18:58:35
                                                                                                                 PAGE    8

*** MODELOPTs:    RegDFAULT  CONC  ELEV  DRYDPLT  RURAL

                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                      (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

    ( 497720.0, 3633133.2,       1.5,       0.0,       0.0);        ( 497770.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 497820.0, 3633133.2,       1.5,       0.0,       0.0);        ( 497870.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 497920.0, 3633133.2,       1.5,       0.0,       0.0);        ( 497970.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 498020.0, 3633133.2,       1.5,       0.0,       0.0);        ( 498070.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 498120.0, 3633133.2,       1.5,       0.0,       0.0);        ( 498170.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 498220.0, 3633133.2,       1.5,       0.0,       0.0);        ( 498270.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 498320.0, 3633133.2,       1.5,       0.0,       0.0);        ( 498370.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 498420.0, 3633133.2,       1.5,       0.0,       0.0);        ( 498470.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 498520.0, 3633133.2,       1.5,       0.0,       0.0);        ( 498570.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 498620.0, 3633133.2,       1.5,       0.0,       0.0);        ( 498670.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 498720.0, 3633133.2,       1.5,       0.0,       0.0);        ( 498770.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 498820.0, 3633133.2,       1.5,       0.0,       0.0);        ( 498870.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 498920.0, 3633133.2,       1.5,       0.0,       0.0);        ( 498970.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 499020.0, 3633133.2,       1.5,       0.0,       0.0);        ( 499070.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 499120.0, 3633133.2,       1.5,       0.0,       0.0);        ( 499170.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 499220.0, 3633133.2,       1.5,       0.0,       0.0);        ( 499270.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 499320.0, 3633133.2,       1.5,       0.0,       0.0);        ( 499370.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 499420.0, 3633133.2,       1.5,       0.0,       0.0);        ( 499470.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 499520.0, 3633133.2,       1.5,       0.0,       0.0);        ( 499570.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 499620.0, 3633133.2,       1.5,       0.0,       0.0);        ( 499670.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 499720.0, 3633133.2,       1.5,       0.0,       0.0);        ( 499770.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 499820.0, 3633133.2,       1.5,       0.0,       0.0);        ( 499870.0, 3633133.2,       1.5,       0.0,       0.0);
    ( 499920.0, 3633133.2,       1.5,       0.0,       0.0);        ( 497720.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 497770.0, 3633183.2,       1.5,       0.0,       0.0);        ( 497820.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 497870.0, 3633183.2,       1.5,       0.0,       0.0);        ( 497920.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 497970.0, 3633183.2,       1.5,       0.0,       0.0);        ( 498020.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 498070.0, 3633183.2,       1.5,       0.0,       0.0);        ( 498120.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 498170.0, 3633183.2,       1.5,       0.0,       0.0);        ( 498220.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 498270.0, 3633183.2,       1.5,       0.0,       0.0);        ( 498320.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 498370.0, 3633183.2,       1.5,       0.0,       0.0);        ( 498420.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 498470.0, 3633183.2,       1.5,       0.0,       0.0);        ( 498520.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 498570.0, 3633183.2,       1.5,       0.0,       0.0);        ( 498620.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 498670.0, 3633183.2,       1.5,       0.0,       0.0);        ( 498720.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 498770.0, 3633183.2,       1.5,       0.0,       0.0);        ( 498820.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 498870.0, 3633183.2,       1.5,       0.0,       0.0);        ( 498920.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 498970.0, 3633183.2,       1.5,       0.0,       0.0);        ( 499020.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 499070.0, 3633183.2,       1.5,       0.0,       0.0);        ( 499120.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 499170.0, 3633183.2,       1.5,       0.0,       0.0);        ( 499220.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 499270.0, 3633183.2,       1.5,       0.0,       0.0);        ( 499320.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 499370.0, 3633183.2,       1.5,       0.0,       0.0);        ( 499420.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 499470.0, 3633183.2,       1.5,       0.0,       0.0);        ( 499520.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 499570.0, 3633183.2,       1.5,       0.0,       0.0);        ( 499620.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 499670.0, 3633183.2,       1.5,       0.0,       0.0);        ( 499720.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 499770.0, 3633183.2,       1.5,       0.0,       0.0);        ( 499820.0, 3633183.2,       1.5,       0.0,       0.0);
    ( 499870.0, 3633183.2,       1.5,       0.0,       0.0);        ( 499920.0, 3633183.2,       1.5,       0.0,       0.0);
*** AERMOD - VERSION 23132  ***   ***  Carlton DPM Mitigated T4                                          ***       01/26/25
*** AERMET - VERSION  15181 ***   ***                                                                   ***       18:58:35
                                                                                                                 PAGE    9

*** MODELOPTs:    RegDFAULT  CONC  ELEV  DRYDPLT  RURAL

                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                      (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)
```

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( 499070.0, 3633233.2, 1.5, 0.0, 0.0); ( 499120.0, 3633233.2, 1.5, 0.0, 0.0);
( 499170.0, 3633233.2, 1.5, 0.0, 0.0); ( 499220.0, 3633233.2, 1.5, 0.0, 0.0);
( 499270.0, 3633233.2, 1.5, 0.0, 0.0); ( 499320.0, 3633233.2, 1.5, 0.0, 0.0);
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( 499420.0, 3633283.2, 1.5, 0.0, 0.0); ( 499470.0, 3633283.2, 1.5, 0.0, 0.0);
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( 499820.0, 3633283.2, 1.5, 0.0, 0.0); ( 499870.0, 3633283.2, 1.5, 0.0, 0.0);
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( 499620.0, 3633333.2, 1.5, 0.0, 0.0); ( 499670.0, 3633333.2, 1.5, 0.0, 0.0);
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( 497770.0, 3633383.2, 1.5, 0.0, 0.0); ( 497820.0, 3633383.2, 1.5, 0.0, 0.0);
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*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 499520.0, 3633383.2, 1.5, 0.0, 0.0); ( 499570.0, 3633383.2, 1.5, 0.0, 0.0);
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( 499720.0, 3633383.2, 1.5, 0.0, 0.0); ( 499770.0, 3633383.2, 1.5, 0.0, 0.0);
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( 498320.0, 3633433.2, 1.5, 0.0, 0.0); ( 498370.0, 3633433.2, 1.5, 0.0, 0.0);
( 499520.0, 3633433.2, 1.5, 0.0, 0.0); ( 499570.0, 3633433.2, 1.5, 0.0, 0.0);
( 499620.0, 3633433.2, 1.5, 0.0, 0.0); ( 499670.0, 3633433.2, 1.5, 0.0, 0.0);
( 499720.0, 3633433.2, 1.5, 0.0, 0.0); ( 499770.0, 3633433.2, 1.5, 0.0, 0.0);
( 499820.0, 3633433.2, 1.5, 0.0, 0.0); ( 499870.0, 3633433.2, 1.5, 0.0, 0.0);
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( 498370.0, 3633483.2, 1.5, 0.0, 0.0); ( 498420.0, 3633483.2, 1.5, 0.0, 0.0);
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( 499920.0, 3633533.2, 1.5, 0.0, 0.0); ( 497720.0, 3633583.2, 1.5, 0.0, 0.0);
( 497770.0, 3633583.2, 1.5, 0.0, 0.0); ( 498070.0, 3633583.2, 1.5, 0.0, 0.0);
( 498120.0, 3633583.2, 1.5, 0.0, 0.0); ( 498170.0, 3633583.2, 1.5, 0.0, 0.0);
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( 499720.0, 3633583.2, 1.5, 0.0, 0.0); ( 499770.0, 3633583.2, 1.5, 0.0, 0.0);
( 499820.0, 3633583.2, 1.5, 0.0, 0.0); ( 499870.0, 3633583.2, 1.5, 0.0, 0.0);
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( 498070.0, 3633633.2, 1.5, 0.0, 0.0); ( 498120.0, 3633633.2, 1.5, 0.0, 0.0);



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 498170.0, 3633633.2, 1.5, 0.0, 0.0); ( 498220.0, 3633633.2, 1.5, 0.0, 0.0);
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( 498120.0, 3633783.2, 1.5, 0.0, 0.0); ( 498170.0, 3633783.2, 1.5, 0.0, 0.0);
( 498220.0, 3633783.2, 1.5, 0.0, 0.0); ( 498270.0, 3633783.2, 1.5, 0.0, 0.0);
( 498320.0, 3633783.2, 1.5, 0.0, 0.0); ( 498370.0, 3633783.2, 1.5, 0.0, 0.0);
( 498420.0, 3633783.2, 1.5, 0.0, 0.0); ( 498470.0, 3633783.2, 1.5, 0.0, 0.0);



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 498520.0, 3633783.2, 1.5, 0.0, 0.0); ( 498570.0, 3633783.2, 1.5, 0.0, 0.0);
( 498620.0, 3633783.2, 1.5, 0.0, 0.0); ( 498670.0, 3633783.2, 1.5, 0.0, 0.0);
( 498720.0, 3633783.2, 1.5, 0.0, 0.0); ( 498770.0, 3633783.2, 1.5, 0.0, 0.0);
( 498820.0, 3633783.2, 1.5, 0.0, 0.0); ( 498870.0, 3633783.2, 1.5, 0.0, 0.0);
( 498920.0, 3633783.2, 1.5, 0.0, 0.0); ( 499770.0, 3633783.2, 1.5, 0.0, 0.0);
( 499820.0, 3633783.2, 1.5, 0.0, 0.0); ( 499870.0, 3633783.2, 1.5, 0.0, 0.0);
( 499920.0, 3633783.2, 1.5, 0.0, 0.0); ( 497720.0, 3633833.2, 1.5, 0.0, 0.0);
( 497770.0, 3633833.2, 1.5, 0.0, 0.0); ( 497820.0, 3633833.2, 1.5, 0.0, 0.0);
( 497870.0, 3633833.2, 1.5, 0.0, 0.0); ( 497920.0, 3633833.2, 1.5, 0.0, 0.0);
( 497970.0, 3633833.2, 1.5, 0.0, 0.0); ( 498020.0, 3633833.2, 1.5, 0.0, 0.0);
( 498070.0, 3633833.2, 1.5, 0.0, 0.0); ( 498120.0, 3633833.2, 1.5, 0.0, 0.0);
( 498170.0, 3633833.2, 1.5, 0.0, 0.0); ( 498220.0, 3633833.2, 1.5, 0.0, 0.0);
( 498270.0, 3633833.2, 1.5, 0.0, 0.0); ( 498320.0, 3633833.2, 1.5, 0.0, 0.0);
( 498370.0, 3633833.2, 1.5, 0.0, 0.0); ( 498420.0, 3633833.2, 1.5, 0.0, 0.0);
( 498470.0, 3633833.2, 1.5, 0.0, 0.0); ( 498520.0, 3633833.2, 1.5, 0.0, 0.0);
( 498570.0, 3633833.2, 1.5, 0.0, 0.0); ( 498620.0, 3633833.2, 1.5, 0.0, 0.0);
( 498670.0, 3633833.2, 1.5, 0.0, 0.0); ( 498720.0, 3633833.2, 1.5, 0.0, 0.0);
( 498770.0, 3633833.2, 1.5, 0.0, 0.0); ( 498820.0, 3633833.2, 1.5, 0.0, 0.0);
( 498870.0, 3633833.2, 1.5, 0.0, 0.0); ( 498920.0, 3633833.2, 1.5, 0.0, 0.0);
( 499770.0, 3633833.2, 1.5, 0.0, 0.0); ( 499820.0, 3633833.2, 1.5, 0.0, 0.0);

( 499870.0, 3633833.2, 1.5, 0.0, 0.0); ( 499920.0, 3633833.2, 1.5, 0.0, 0.0);
( 497720.0, 3633883.2, 1.5, 0.0, 0.0); ( 497770.0, 3633883.2, 1.5, 0.0, 0.0);
( 497820.0, 3633883.2, 1.5, 0.0, 0.0); ( 497870.0, 3633883.2, 1.5, 0.0, 0.0);
( 497920.0, 3633883.2, 1.5, 0.0, 0.0); ( 497970.0, 3633883.2, 1.5, 0.0, 0.0);
( 498020.0, 3633883.2, 1.5, 0.0, 0.0); ( 498070.0, 3633883.2, 1.5, 0.0, 0.0);
( 498120.0, 3633883.2, 1.5, 0.0, 0.0); ( 498170.0, 3633883.2, 1.5, 0.0, 0.0);
( 498220.0, 3633883.2, 1.5, 0.0, 0.0); ( 498270.0, 3633883.2, 1.5, 0.0, 0.0);
( 498320.0, 3633883.2, 1.5, 0.0, 0.0); ( 498370.0, 3633883.2, 1.5, 0.0, 0.0);
( 498420.0, 3633883.2, 1.5, 0.0, 0.0); ( 498470.0, 3633883.2, 1.5, 0.0, 0.0);
( 498520.0, 3633883.2, 1.5, 0.0, 0.0); ( 498570.0, 3633883.2, 1.5, 0.0, 0.0);
( 498620.0, 3633883.2, 1.5, 0.0, 0.0); ( 498670.0, 3633883.2, 1.5, 0.0, 0.0);
( 498720.0, 3633883.2, 1.5, 0.0, 0.0); ( 498770.0, 3633883.2, 1.5, 0.0, 0.0);
( 498820.0, 3633883.2, 1.5, 0.0, 0.0); ( 498870.0, 3633883.2, 1.5, 0.0, 0.0);
( 498920.0, 3633883.2, 1.5, 0.0, 0.0); ( 498970.0, 3633883.2, 1.5, 0.0, 0.0);
( 499720.0, 3633883.2, 1.5, 0.0, 0.0); ( 499770.0, 3633883.2, 1.5, 0.0, 0.0);
( 499820.0, 3633883.2, 1.5, 0.0, 0.0); ( 499870.0, 3633883.2, 1.5, 0.0, 0.0);
( 499920.0, 3633883.2, 1.5, 0.0, 0.0); ( 497720.0, 3633933.2, 1.5, 0.0, 0.0);
( 497770.0, 3633933.2, 1.5, 0.0, 0.0); ( 497820.0, 3633933.2, 1.5, 0.0, 0.0);
( 497870.0, 3633933.2, 1.5, 0.0, 0.0); ( 497920.0, 3633933.2, 1.5, 0.0, 0.0);
( 497970.0, 3633933.2, 1.5, 0.0, 0.0); ( 498020.0, 3633933.2, 1.5, 0.0, 0.0);
( 498070.0, 3633933.2, 1.5, 0.0, 0.0); ( 498120.0, 3633933.2, 1.5, 0.0, 0.0);
( 498170.0, 3633933.2, 1.5, 0.0, 0.0); ( 498220.0, 3633933.2, 1.5, 0.0, 0.0);
( 498270.0, 3633933.2, 1.5, 0.0, 0.0); ( 498320.0, 3633933.2, 1.5, 0.0, 0.0);
( 498370.0, 3633933.2, 1.5, 0.0, 0.0); ( 498420.0, 3633933.2, 1.5, 0.0, 0.0);
( 498470.0, 3633933.2, 1.5, 0.0, 0.0); ( 498520.0, 3633933.2, 1.5, 0.0, 0.0);



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 498570.0, 3633933.2, 1.5, 0.0, 0.0); ( 498620.0, 3633933.2, 1.5, 0.0, 0.0);
( 498670.0, 3633933.2, 1.5, 0.0, 0.0); ( 498720.0, 3633933.2, 1.5, 0.0, 0.0);
( 498770.0, 3633933.2, 1.5, 0.0, 0.0); ( 498820.0, 3633933.2, 1.5, 0.0, 0.0);
( 498870.0, 3633933.2, 1.5, 0.0, 0.0); ( 498920.0, 3633933.2, 1.5, 0.0, 0.0);
( 498970.0, 3633933.2, 1.5, 0.0, 0.0); ( 499020.0, 3633933.2, 1.5, 0.0, 0.0);
( 499070.0, 3633933.2, 1.5, 0.0, 0.0); ( 499220.0, 3633933.2, 1.5, 0.0, 0.0);
( 499720.0, 3633933.2, 1.5, 0.0, 0.0); ( 499770.0, 3633933.2, 1.5, 0.0, 0.0);
( 499820.0, 3633933.2, 1.5, 0.0, 0.0); ( 499870.0, 3633933.2, 1.5, 0.0, 0.0);
( 499920.0, 3633933.2, 1.5, 0.0, 0.0); ( 497720.0, 3633983.2, 1.5, 0.0, 0.0);
( 497770.0, 3633983.2, 1.5, 0.0, 0.0); ( 497820.0, 3633983.2, 1.5, 0.0, 0.0);
( 497870.0, 3633983.2, 1.5, 0.0, 0.0); ( 497920.0, 3633983.2, 1.5, 0.0, 0.0);
( 497970.0, 3633983.2, 1.5, 0.0, 0.0); ( 498020.0, 3633983.2, 1.5, 0.0, 0.0);
( 498070.0, 3633983.2, 1.5, 0.0, 0.0); ( 498120.0, 3633983.2, 1.5, 0.0, 0.0);
( 498170.0, 3633983.2, 1.5, 0.0, 0.0); ( 498220.0, 3633983.2, 1.5, 0.0, 0.0);
( 498270.0, 3633983.2, 1.5, 0.0, 0.0); ( 498320.0, 3633983.2, 1.5, 0.0, 0.0);
( 498370.0, 3633983.2, 1.5, 0.0, 0.0); ( 498420.0, 3633983.2, 1.5, 0.0, 0.0);
( 498470.0, 3633983.2, 1.5, 0.0, 0.0); ( 498520.0, 3633983.2, 1.5, 0.0, 0.0);
( 498570.0, 3633983.2, 1.5, 0.0, 0.0); ( 498620.0, 3633983.2, 1.5, 0.0, 0.0);
( 498670.0, 3633983.2, 1.5, 0.0, 0.0); ( 498720.0, 3633983.2, 1.5, 0.0, 0.0);
( 498770.0, 3633983.2, 1.5, 0.0, 0.0); ( 498820.0, 3633983.2, 1.5, 0.0, 0.0);
( 498870.0, 3633983.2, 1.5, 0.0, 0.0); ( 498920.0, 3633983.2, 1.5, 0.0, 0.0);
( 498970.0, 3633983.2, 1.5, 0.0, 0.0); ( 499020.0, 3633983.2, 1.5, 0.0, 0.0);
( 499070.0, 3633983.2, 1.5, 0.0, 0.0); ( 499120.0, 3633983.2, 1.5, 0.0, 0.0);
( 499170.0, 3633983.2, 1.5, 0.0, 0.0); ( 499220.0, 3633983.2, 1.5, 0.0, 0.0);
( 499270.0, 3633983.2, 1.5, 0.0, 0.0); ( 499320.0, 3633983.2, 1.5, 0.0, 0.0);
( 499370.0, 3633983.2, 1.5, 0.0, 0.0); ( 499420.0, 3633983.2, 1.5, 0.0, 0.0);
( 499470.0, 3633983.2, 1.5, 0.0, 0.0); ( 499520.0, 3633983.2, 1.5, 0.0, 0.0);
( 499570.0, 3633983.2, 1.5, 0.0, 0.0); ( 499620.0, 3633983.2, 1.5, 0.0, 0.0);
( 499720.0, 3633983.2, 1.5, 0.0, 0.0); ( 499770.0, 3633983.2, 1.5, 0.0, 0.0);
( 499820.0, 3633983.2, 1.5, 0.0, 0.0); ( 499870.0, 3633983.2, 1.5, 0.0, 0.0);
( 499920.0, 3633983.2, 1.5, 0.0, 0.0); ( 497720.0, 3634033.2, 1.5, 0.0, 0.0);
( 497770.0, 3634033.2, 1.5, 0.0, 0.0); ( 497820.0, 3634033.2, 1.5, 0.0, 0.0);
( 497870.0, 3634033.2, 1.5, 0.0, 0.0); ( 497920.0, 3634033.2, 1.5, 0.0, 0.0);
( 497970.0, 3634033.2, 1.5, 0.0, 0.0); ( 498020.0, 3634033.2, 1.5, 0.0, 0.0);
( 498070.0, 3634033.2, 1.5, 0.0, 0.0); ( 498120.0, 3634033.2, 1.5, 0.0, 0.0);
( 498170.0, 3634033.2, 1.5, 0.0, 0.0); ( 498220.0, 3634033.2, 1.5, 0.0, 0.0);
( 498270.0, 3634033.2, 1.5, 0.0, 0.0); ( 498320.0, 3634033.2, 1.5, 0.0, 0.0);
( 498370.0, 3634033.2, 1.5, 0.0, 0.0); ( 498420.0, 3634033.2, 1.5, 0.0, 0.0);
( 498470.0, 3634033.2, 1.5, 0.0, 0.0); ( 498520.0, 3634033.2, 1.5, 0.0, 0.0);
( 498570.0, 3634033.2, 1.5, 0.0, 0.0); ( 498620.0, 3634033.2, 1.5, 0.0, 0.0);
( 498670.0, 3634033.2, 1.5, 0.0, 0.0); ( 498720.0, 3634033.2, 1.5, 0.0, 0.0);
( 498770.0, 3634033.2, 1.5, 0.0, 0.0); ( 498820.0, 3634033.2, 1.5, 0.0, 0.0);
( 498870.0, 3634033.2, 1.5, 0.0, 0.0); ( 498920.0, 3634033.2, 1.5, 0.0, 0.0);
( 498970.0, 3634033.2, 1.5, 0.0, 0.0); ( 499020.0, 3634033.2, 1.5, 0.0, 0.0);
( 499070.0, 3634033.2, 1.5, 0.0, 0.0); ( 499120.0, 3634033.2, 1.5, 0.0, 0.0);



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 499170.0, 3634033.2, 1.5, 0.0, 0.0); ( 499220.0, 3634033.2, 1.5, 0.0, 0.0);
( 499270.0, 3634033.2, 1.5, 0.0, 0.0); ( 499320.0, 3634033.2, 1.5, 0.0, 0.0);
( 499370.0, 3634033.2, 1.5, 0.0, 0.0); ( 499420.0, 3634033.2, 1.5, 0.0, 0.0);

( 499470.0, 3634033.2, 1.5, 0.0, 0.0); ( 499520.0, 3634033.2, 1.5, 0.0, 0.0);
( 499570.0, 3634033.2, 1.5, 0.0, 0.0); ( 499620.0, 3634033.2, 1.5, 0.0, 0.0);
( 499670.0, 3634033.2, 1.5, 0.0, 0.0); ( 499720.0, 3634033.2, 1.5, 0.0, 0.0);
( 499770.0, 3634033.2, 1.5, 0.0, 0.0); ( 499820.0, 3634033.2, 1.5, 0.0, 0.0);
( 499870.0, 3634033.2, 1.5, 0.0, 0.0); ( 499920.0, 3634033.2, 1.5, 0.0, 0.0);
( 497720.0, 3634083.2, 1.5, 0.0, 0.0); ( 497770.0, 3634083.2, 1.5, 0.0, 0.0);
( 497820.0, 3634083.2, 1.5, 0.0, 0.0); ( 497870.0, 3634083.2, 1.5, 0.0, 0.0);
( 497920.0, 3634083.2, 1.5, 0.0, 0.0); ( 497970.0, 3634083.2, 1.5, 0.0, 0.0);
( 498020.0, 3634083.2, 1.5, 0.0, 0.0); ( 498070.0, 3634083.2, 1.5, 0.0, 0.0);
( 498120.0, 3634083.2, 1.5, 0.0, 0.0); ( 498170.0, 3634083.2, 1.5, 0.0, 0.0);
( 498220.0, 3634083.2, 1.5, 0.0, 0.0); ( 498270.0, 3634083.2, 1.5, 0.0, 0.0);
( 498320.0, 3634083.2, 1.5, 0.0, 0.0); ( 498370.0, 3634083.2, 1.5, 0.0, 0.0);
( 498420.0, 3634083.2, 1.5, 0.0, 0.0); ( 498470.0, 3634083.2, 1.5, 0.0, 0.0);
( 498520.0, 3634083.2, 1.5, 0.0, 0.0); ( 498570.0, 3634083.2, 1.5, 0.0, 0.0);
( 498620.0, 3634083.2, 1.5, 0.0, 0.0); ( 498670.0, 3634083.2, 1.5, 0.0, 0.0);
( 498720.0, 3634083.2, 1.5, 0.0, 0.0); ( 498770.0, 3634083.2, 1.5, 0.0, 0.0);
( 498820.0, 3634083.2, 1.5, 0.0, 0.0); ( 498870.0, 3634083.2, 1.5, 0.0, 0.0);
( 498920.0, 3634083.2, 1.5, 0.0, 0.0); ( 498970.0, 3634083.2, 1.5, 0.0, 0.0);
( 499020.0, 3634083.2, 1.5, 0.0, 0.0); ( 499070.0, 3634083.2, 1.5, 0.0, 0.0);
( 499120.0, 3634083.2, 1.5, 0.0, 0.0); ( 499170.0, 3634083.2, 1.5, 0.0, 0.0);
( 499220.0, 3634083.2, 1.5, 0.0, 0.0); ( 499270.0, 3634083.2, 1.5, 0.0, 0.0);
( 499320.0, 3634083.2, 1.5, 0.0, 0.0); ( 499370.0, 3634083.2, 1.5, 0.0, 0.0);
( 499420.0, 3634083.2, 1.5, 0.0, 0.0); ( 499470.0, 3634083.2, 1.5, 0.0, 0.0);
( 499520.0, 3634083.2, 1.5, 0.0, 0.0); ( 499570.0, 3634083.2, 1.5, 0.0, 0.0);
( 499620.0, 3634083.2, 1.5, 0.0, 0.0); ( 499670.0, 3634083.2, 1.5, 0.0, 0.0);
( 499720.0, 3634083.2, 1.5, 0.0, 0.0); ( 499770.0, 3634083.2, 1.5, 0.0, 0.0);
( 499820.0, 3634083.2, 1.5, 0.0, 0.0); ( 499870.0, 3634083.2, 1.5, 0.0, 0.0);
( 499920.0, 3634083.2, 1.5, 0.0, 0.0); ( 497720.0, 3634133.2, 1.5, 0.0, 0.0);
( 497770.0, 3634133.2, 1.5, 0.0, 0.0); ( 497820.0, 3634133.2, 1.5, 0.0, 0.0);
( 497870.0, 3634133.2, 1.5, 0.0, 0.0); ( 497920.0, 3634133.2, 1.5, 0.0, 0.0);
( 497970.0, 3634133.2, 1.5, 0.0, 0.0); ( 498020.0, 3634133.2, 1.5, 0.0, 0.0);
( 498070.0, 3634133.2, 1.5, 0.0, 0.0); ( 498120.0, 3634133.2, 1.5, 0.0, 0.0);
( 498170.0, 3634133.2, 1.5, 0.0, 0.0); ( 498220.0, 3634133.2, 1.5, 0.0, 0.0);
( 498270.0, 3634133.2, 1.5, 0.0, 0.0); ( 498320.0, 3634133.2, 1.5, 0.0, 0.0);
( 498370.0, 3634133.2, 1.5, 0.0, 0.0); ( 498420.0, 3634133.2, 1.5, 0.0, 0.0);
( 498470.0, 3634133.2, 1.5, 0.0, 0.0); ( 498520.0, 3634133.2, 1.5, 0.0, 0.0);
( 498570.0, 3634133.2, 1.5, 0.0, 0.0); ( 498620.0, 3634133.2, 1.5, 0.0, 0.0);
( 498670.0, 3634133.2, 1.5, 0.0, 0.0); ( 498720.0, 3634133.2, 1.5, 0.0, 0.0);
( 498770.0, 3634133.2, 1.5, 0.0, 0.0); ( 498820.0, 3634133.2, 1.5, 0.0, 0.0);
( 498870.0, 3634133.2, 1.5, 0.0, 0.0); ( 498920.0, 3634133.2, 1.5, 0.0, 0.0);
( 498970.0, 3634133.2, 1.5, 0.0, 0.0); ( 499020.0, 3634133.2, 1.5, 0.0, 0.0);
( 499070.0, 3634133.2, 1.5, 0.0, 0.0); ( 499120.0, 3634133.2, 1.5, 0.0, 0.0);



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 499170.0, 3634133.2, 1.5, 0.0, 0.0); ( 499220.0, 3634133.2, 1.5, 0.0, 0.0);
( 499270.0, 3634133.2, 1.5, 0.0, 0.0); ( 499320.0, 3634133.2, 1.5, 0.0, 0.0);
( 499370.0, 3634133.2, 1.5, 0.0, 0.0); ( 499420.0, 3634133.2, 1.5, 0.0, 0.0);
( 499470.0, 3634133.2, 1.5, 0.0, 0.0); ( 499520.0, 3634133.2, 1.5, 0.0, 0.0);
( 499570.0, 3634133.2, 1.5, 0.0, 0.0); ( 499620.0, 3634133.2, 1.5, 0.0, 0.0);
( 499670.0, 3634133.2, 1.5, 0.0, 0.0); ( 499720.0, 3634133.2, 1.5, 0.0, 0.0);
( 499770.0, 3634133.2, 1.5, 0.0, 0.0); ( 499820.0, 3634133.2, 1.5, 0.0, 0.0);
( 499870.0, 3634133.2, 1.5, 0.0, 0.0); ( 499920.0, 3634133.2, 1.5, 0.0, 0.0);
( 497720.0, 3634183.2, 1.5, 0.0, 0.0); ( 497770.0, 3634183.2, 1.5, 0.0, 0.0);
( 497820.0, 3634183.2, 1.5, 0.0, 0.0); ( 497870.0, 3634183.2, 1.5, 0.0, 0.0);
( 497920.0, 3634183.2, 1.5, 0.0, 0.0); ( 497970.0, 3634183.2, 1.5, 0.0, 0.0);
( 498020.0, 3634183.2, 1.5, 0.0, 0.0); ( 498070.0, 3634183.2, 1.5, 0.0, 0.0);
( 498120.0, 3634183.2, 1.5, 0.0, 0.0); ( 498170.0, 3634183.2, 1.5, 0.0, 0.0);
( 498220.0, 3634183.2, 1.5, 0.0, 0.0); ( 498270.0, 3634183.2, 1.5, 0.0, 0.0);
( 498320.0, 3634183.2, 1.5, 0.0, 0.0); ( 498370.0, 3634183.2, 1.5, 0.0, 0.0);
( 498420.0, 3634183.2, 1.5, 0.0, 0.0); ( 498470.0, 3634183.2, 1.5, 0.0, 0.0);
( 498520.0, 3634183.2, 1.5, 0.0, 0.0); ( 498570.0, 3634183.2, 1.5, 0.0, 0.0);
( 498620.0, 3634183.2, 1.5, 0.0, 0.0); ( 498670.0, 3634183.2, 1.5, 0.0, 0.0);
( 498720.0, 3634183.2, 1.5, 0.0, 0.0); ( 498770.0, 3634183.2, 1.5, 0.0, 0.0);
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( 498920.0, 3634183.2, 1.5, 0.0, 0.0); ( 498970.0, 3634183.2, 1.5, 0.0, 0.0);
( 499020.0, 3634183.2, 1.5, 0.0, 0.0); ( 499070.0, 3634183.2, 1.5, 0.0, 0.0);
( 499120.0, 3634183.2, 1.5, 0.0, 0.0); ( 499170.0, 3634183.2, 1.5, 0.0, 0.0);
( 499220.0, 3634183.2, 1.5, 0.0, 0.0); ( 499270.0, 3634183.2, 1.5, 0.0, 0.0);
( 499320.0, 3634183.2, 1.5, 0.0, 0.0); ( 499370.0, 3634183.2, 1.5, 0.0, 0.0);
( 499420.0, 3634183.2, 1.5, 0.0, 0.0); ( 499470.0, 3634183.2, 1.5, 0.0, 0.0);
( 499520.0, 3634183.2, 1.5, 0.0, 0.0); ( 499570.0, 3634183.2, 1.5, 0.0, 0.0);
( 499620.0, 3634183.2, 1.5, 0.0, 0.0); ( 499670.0, 3634183.2, 1.5, 0.0, 0.0);
( 499720.0, 3634183.2, 1.5, 0.0, 0.0); ( 499770.0, 3634183.2, 1.5, 0.0, 0.0);
( 499820.0, 3634183.2, 1.5, 0.0, 0.0); ( 499870.0, 3634183.2, 1.5, 0.0, 0.0);
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( 497770.0, 3634233.2, 1.5, 0.0, 0.0); ( 497820.0, 3634233.2, 1.5, 0.0, 0.0);
( 497870.0, 3634233.2, 1.5, 0.0, 0.0); ( 497920.0, 3634233.2, 1.5, 0.0, 0.0);
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( 498070.0, 3634233.2, 1.5, 0.0, 0.0); ( 498120.0, 3634233.2, 1.5, 0.0, 0.0);
( 498170.0, 3634233.2, 1.5, 0.0, 0.0); ( 498220.0, 3634233.2, 1.5, 0.0, 0.0);
( 498270.0, 3634233.2, 1.5, 0.0, 0.0); ( 498320.0, 3634233.2, 1.5, 0.0, 0.0);
( 498370.0, 3634233.2, 1.5, 0.0, 0.0); ( 498420.0, 3634233.2, 1.5, 0.0, 0.0);
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( 498570.0, 3634233.2, 1.5, 0.0, 0.0); ( 498620.0, 3634233.2, 1.5, 0.0, 0.0);

( 498670.0, 3634233.2, 1.5, 0.0, 0.0); ( 498720.0, 3634233.2, 1.5, 0.0, 0.0);
( 498770.0, 3634233.2, 1.5, 0.0, 0.0); ( 498820.0, 3634233.2, 1.5, 0.0, 0.0);
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( 498970.0, 3634233.2, 1.5, 0.0, 0.0); ( 499020.0, 3634233.2, 1.5, 0.0, 0.0);
( 499070.0, 3634233.2, 1.5, 0.0, 0.0); ( 499120.0, 3634233.2, 1.5, 0.0, 0.0);



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 499170.0, 3634233.2, 1.5, 0.0, 0.0); ( 499220.0, 3634233.2, 1.5, 0.0, 0.0);
( 499270.0, 3634233.2, 1.5, 0.0, 0.0); ( 499320.0, 3634233.2, 1.5, 0.0, 0.0);
( 499370.0, 3634233.2, 1.5, 0.0, 0.0); ( 499420.0, 3634233.2, 1.5, 0.0, 0.0);
( 499470.0, 3634233.2, 1.5, 0.0, 0.0); ( 499520.0, 3634233.2, 1.5, 0.0, 0.0);
( 499570.0, 3634233.2, 1.5, 0.0, 0.0); ( 499620.0, 3634233.2, 1.5, 0.0, 0.0);
( 499670.0, 3634233.2, 1.5, 0.0, 0.0); ( 499720.0, 3634233.2, 1.5, 0.0, 0.0);
( 499770.0, 3634233.2, 1.5, 0.0, 0.0); ( 499820.0, 3634233.2, 1.5, 0.0, 0.0);
( 499870.0, 3634233.2, 1.5, 0.0, 0.0); ( 499920.0, 3634233.2, 1.5, 0.0, 0.0);
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( 498020.0, 3634283.2, 1.5, 0.0, 0.0); ( 498070.0, 3634283.2, 1.5, 0.0, 0.0);
( 498120.0, 3634283.2, 1.5, 0.0, 0.0); ( 498170.0, 3634283.2, 1.5, 0.0, 0.0);
( 498220.0, 3634283.2, 1.5, 0.0, 0.0); ( 498270.0, 3634283.2, 1.5, 0.0, 0.0);
( 498320.0, 3634283.2, 1.5, 0.0, 0.0); ( 498370.0, 3634283.2, 1.5, 0.0, 0.0);
( 498420.0, 3634283.2, 1.5, 0.0, 0.0); ( 498470.0, 3634283.2, 1.5, 0.0, 0.0);
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( 498620.0, 3634283.2, 1.5, 0.0, 0.0); ( 498670.0, 3634283.2, 1.5, 0.0, 0.0);
( 498720.0, 3634283.2, 1.5, 0.0, 0.0); ( 498770.0, 3634283.2, 1.5, 0.0, 0.0);
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( 499020.0, 3634283.2, 1.5, 0.0, 0.0); ( 499070.0, 3634283.2, 1.5, 0.0, 0.0);
( 499120.0, 3634283.2, 1.5, 0.0, 0.0); ( 499170.0, 3634283.2, 1.5, 0.0, 0.0);
( 499220.0, 3634283.2, 1.5, 0.0, 0.0); ( 499270.0, 3634283.2, 1.5, 0.0, 0.0);
( 499320.0, 3634283.2, 1.5, 0.0, 0.0); ( 499370.0, 3634283.2, 1.5, 0.0, 0.0);
( 499420.0, 3634283.2, 1.5, 0.0, 0.0); ( 499470.0, 3634283.2, 1.5, 0.0, 0.0);
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( 499620.0, 3634283.2, 1.5, 0.0, 0.0); ( 499670.0, 3634283.2, 1.5, 0.0, 0.0);
( 499720.0, 3634283.2, 1.5, 0.0, 0.0); ( 499770.0, 3634283.2, 1.5, 0.0, 0.0);
( 499820.0, 3634283.2, 1.5, 0.0, 0.0); ( 499870.0, 3634283.2, 1.5, 0.0, 0.0);
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( 497870.0, 3634333.2, 1.5, 0.0, 0.0); ( 497920.0, 3634333.2, 1.5, 0.0, 0.0);
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( 498070.0, 3634333.2, 1.5, 0.0, 0.0); ( 498120.0, 3634333.2, 1.5, 0.0, 0.0);
( 498170.0, 3634333.2, 1.5, 0.0, 0.0); ( 498220.0, 3634333.2, 1.5, 0.0, 0.0);
( 498270.0, 3634333.2, 1.5, 0.0, 0.0); ( 498320.0, 3634333.2, 1.5, 0.0, 0.0);
( 498370.0, 3634333.2, 1.5, 0.0, 0.0); ( 498420.0, 3634333.2, 1.5, 0.0, 0.0);
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( 498570.0, 3634333.2, 1.5, 0.0, 0.0); ( 498620.0, 3634333.2, 1.5, 0.0, 0.0);
( 498670.0, 3634333.2, 1.5, 0.0, 0.0); ( 498720.0, 3634333.2, 1.5, 0.0, 0.0);
( 498770.0, 3634333.2, 1.5, 0.0, 0.0); ( 498820.0, 3634333.2, 1.5, 0.0, 0.0);
( 498870.0, 3634333.2, 1.5, 0.0, 0.0); ( 498920.0, 3634333.2, 1.5, 0.0, 0.0);
( 498970.0, 3634333.2, 1.5, 0.0, 0.0); ( 499020.0, 3634333.2, 1.5, 0.0, 0.0);
( 499070.0, 3634333.2, 1.5, 0.0, 0.0); ( 499120.0, 3634333.2, 1.5, 0.0, 0.0);



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 499170.0, 3634333.2, 1.5, 0.0, 0.0); ( 499220.0, 3634333.2, 1.5, 0.0, 0.0);
( 499270.0, 3634333.2, 1.5, 0.0, 0.0); ( 499320.0, 3634333.2, 1.5, 0.0, 0.0);
( 499370.0, 3634333.2, 1.5, 0.0, 0.0); ( 499420.0, 3634333.2, 1.5, 0.0, 0.0);
( 499470.0, 3634333.2, 1.5, 0.0, 0.0); ( 499520.0, 3634333.2, 1.5, 0.0, 0.0);
( 499570.0, 3634333.2, 1.5, 0.0, 0.0); ( 499620.0, 3634333.2, 1.5, 0.0, 0.0);
( 499670.0, 3634333.2, 1.5, 0.0, 0.0); ( 499720.0, 3634333.2, 1.5, 0.0, 0.0);
( 499770.0, 3634333.2, 1.5, 0.0, 0.0); ( 499820.0, 3634333.2, 1.5, 0.0, 0.0);
( 499870.0, 3634333.2, 1.5, 0.0, 0.0); ( 499920.0, 3634333.2, 1.5, 0.0, 0.0);
( 497720.0, 3634383.2, 1.5, 0.0, 0.0); ( 497770.0, 3634383.2, 1.5, 0.0, 0.0);
( 497820.0, 3634383.2, 1.5, 0.0, 0.0); ( 497870.0, 3634383.2, 1.5, 0.0, 0.0);
( 497920.0, 3634383.2, 1.5, 0.0, 0.0); ( 497970.0, 3634383.2, 1.5, 0.0, 0.0);
( 498020.0, 3634383.2, 1.5, 0.0, 0.0); ( 498070.0, 3634383.2, 1.5, 0.0, 0.0);
( 498120.0, 3634383.2, 1.5, 0.0, 0.0); ( 498170.0, 3634383.2, 1.5, 0.0, 0.0);
( 498220.0, 3634383.2, 1.5, 0.0, 0.0); ( 498270.0, 3634383.2, 1.5, 0.0, 0.0);
( 498320.0, 3634383.2, 1.5, 0.0, 0.0); ( 498370.0, 3634383.2, 1.5, 0.0, 0.0);
( 498420.0, 3634383.2, 1.5, 0.0, 0.0); ( 498470.0, 3634383.2, 1.5, 0.0, 0.0);
( 498520.0, 3634383.2, 1.5, 0.0, 0.0); ( 498570.0, 3634383.2, 1.5, 0.0, 0.0);
( 498620.0, 3634383.2, 1.5, 0.0, 0.0); ( 498670.0, 3634383.2, 1.5, 0.0, 0.0);
( 498720.0, 3634383.2, 1.5, 0.0, 0.0); ( 498770.0, 3634383.2, 1.5, 0.0, 0.0);
( 498820.0, 3634383.2, 1.5, 0.0, 0.0); ( 498870.0, 3634383.2, 1.5, 0.0, 0.0);
( 498920.0, 3634383.2, 1.5, 0.0, 0.0); ( 498970.0, 3634383.2, 1.5, 0.0, 0.0);
( 499020.0, 3634383.2, 1.5, 0.0, 0.0); ( 499070.0, 3634383.2, 1.5, 0.0, 0.0);
( 499120.0, 3634383.2, 1.5, 0.0, 0.0); ( 499170.0, 3634383.2, 1.5, 0.0, 0.0);

```
    ( 499220.0, 3634383.2,       1.5,       0.0,       0.0);         ( 499270.0, 3634383.2,       1.5,       0.0,       0.0);
    ( 499320.0, 3634383.2,       1.5,       0.0,       0.0);         ( 499370.0, 3634383.2,       1.5,       0.0,       0.0);
    ( 499420.0, 3634383.2,       1.5,       0.0,       0.0);         ( 499470.0, 3634383.2,       1.5,       0.0,       0.0);
    ( 499520.0, 3634383.2,       1.5,       0.0,       0.0);         ( 499570.0, 3634383.2,       1.5,       0.0,       0.0);
    ( 499620.0, 3634383.2,       1.5,       0.0,       0.0);         ( 499670.0, 3634383.2,       1.5,       0.0,       0.0);
    ( 499720.0, 3634383.2,       1.5,       0.0,       0.0);         ( 499770.0, 3634383.2,       1.5,       0.0,       0.0);
    ( 499820.0, 3634383.2,       1.5,       0.0,       0.0);         ( 499870.0, 3634383.2,       1.5,       0.0,       0.0);
    ( 499920.0, 3634383.2,       1.5,       0.0,       0.0);         ( 497720.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 497770.0, 3634433.2,       1.5,       0.0,       0.0);         ( 497820.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 497870.0, 3634433.2,       1.5,       0.0,       0.0);         ( 497920.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 497970.0, 3634433.2,       1.5,       0.0,       0.0);         ( 498020.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 498070.0, 3634433.2,       1.5,       0.0,       0.0);         ( 498120.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 498170.0, 3634433.2,       1.5,       0.0,       0.0);         ( 498220.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 498270.0, 3634433.2,       1.5,       0.0,       0.0);         ( 498320.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 498370.0, 3634433.2,       1.5,       0.0,       0.0);         ( 498420.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 498470.0, 3634433.2,       1.5,       0.0,       0.0);         ( 498520.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 498570.0, 3634433.2,       1.5,       0.0,       0.0);         ( 498620.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 498670.0, 3634433.2,       1.5,       0.0,       0.0);         ( 498720.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 498770.0, 3634433.2,       1.5,       0.0,       0.0);         ( 498820.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 498870.0, 3634433.2,       1.5,       0.0,       0.0);         ( 498920.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 498970.0, 3634433.2,       1.5,       0.0,       0.0);         ( 499020.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 499070.0, 3634433.2,       1.5,       0.0,       0.0);         ( 499120.0, 3634433.2,       1.5,       0.0,       0.0);
*** AERMOD - VERSION 23132  ***   ***  Carlton DPM Mitigated T4                                                    ***       01/26/25
*** AERMET - VERSION  15181 ***   ***                                                                             ***      18:58:35
                                                                                                                           PAGE  18

*** MODELOPTs:    RegDFAULT  CONC  ELEV  DRYDPLT  RURAL

                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                      (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

    ( 499170.0, 3634433.2,       1.5,       0.0,       0.0);         ( 499220.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 499270.0, 3634433.2,       1.5,       0.0,       0.0);         ( 499320.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 499370.0, 3634433.2,       1.5,       0.0,       0.0);         ( 499420.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 499470.0, 3634433.2,       1.5,       0.0,       0.0);         ( 499520.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 499570.0, 3634433.2,       1.5,       0.0,       0.0);         ( 499620.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 499670.0, 3634433.2,       1.5,       0.0,       0.0);         ( 499720.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 499770.0, 3634433.2,       1.5,       0.0,       0.0);         ( 499820.0, 3634433.2,       1.5,       0.0,       0.0);
    ( 499870.0, 3634433.2,       1.5,       0.0,       0.0);         ( 499920.0, 3634433.2,       1.5,       0.0,       0.0);
*** AERMOD - VERSION 23132  ***   ***  Carlton DPM Mitigated T4                                                    ***       01/26/25
*** AERMET - VERSION  15181 ***   ***                                                                             ***      18:58:35
                                                                                                                           PAGE  19

*** MODELOPTs:    RegDFAULT  CONC  ELEV  DRYDPLT  RURAL

                                    *** 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 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,
*** AERMOD - VERSION 23132  ***   ***  Carlton DPM Mitigated T4                                                    ***       01/26/25
*** AERMET - VERSION  15181 ***   ***                                                                             ***      18:58:35
                                                                                                                           PAGE  20

*** MODELOPTs:    RegDFAULT  CONC  ELEV  DRYDPLT  RURAL

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

   Surface file:   C:\Users\ryan\MYDRIV~1.COM\METDAT~1\ECA_20~1\ECA_2012_V15181.SFC                  Met Version:  15181
   Profile file:   C:\Users\ryan\MYDRIV~1.COM\METDAT~1\ECA_20~1\ECA_2012_V15181.PFL
   Surface format: FREE
   Profile format: FREE
   Surface station no.:    93107                  Upper air station no.:     3190
                 Name: UNKNOWN                                    Name: UNKNOWN
                 Year:   2012                                     Year:   2012

 First 24 hours of scalar data
 YR MO DY HR     H0     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN  Z0 BOWEN  ALB  REF WS   WD   HT  REF TA  HT IPCOD PRATE  RH SFCP CCVR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 12 01 01 01 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.44 1.19 1.00    0.00    0.  10.  280.9  10.  0   0.00   73. 1001.  0
 12 01 01 02  -18.0  0.160 -9.000 -9.000 -999.  154.     20.4 0.09 1.19 1.00    2.86   58.  10.  280.4  10.  0   0.00   73. 1001.  0
 12 01 01 03  -23.7  0.210 -9.000 -9.000 -999.  231.     34.9 0.18 1.19 1.00    2.86   94.  10.  279.2  10.  0   0.00   70. 1001.  0
 12 01 01 04  -20.2  0.178 -9.000 -9.000 -999.  181.     25.1 0.12 1.19 1.00    2.86   83.  10.  278.6  10.  0   0.00   44. 1001.  0
 12 01 01 05  -20.2  0.178 -9.000 -9.000 -999.  181.     25.0 0.12 1.19 1.00    2.86   73.  10.  278.1  10.  0   0.00   51. 1002.  0
 12 01 01 06   -0.6  0.026 -9.000 -9.000 -999.   71.      2.8 0.34 1.19 1.00    0.44  102.  10.  277.5  10.  0   0.00   58. 1002.  0
 12 01 01 07 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.44 1.19 1.00    0.00    0.  10.  277.5  10.  0   0.00   67. 1003.  0
 12 01 01 08 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.44 1.19 0.49    0.00    0.  10.  278.1  10.  0   0.00   50. 1004.  0
 12 01 01 09   35.7 -9.000 -9.000 -9.000   37. -999. -99999.0 0.44 1.19 0.30    0.00    0.  10.  282.5  10.  0   0.00   38. 1005.  0
```

```
12 01 01 10   89.2  0.124  0.645  0.011  108.  105.     -1.9 0.52 1.19 0.23    0.44  296.  10.  286.4  10.  0   0.00   29. 1005.  0
12 01 01 11  126.8  0.130  0.992  0.006  276.  113.     -1.6 0.52 1.19 0.21    0.44  263.  10.  291.4  10.  0   0.00   23. 1004.  0
12 01 01 12  146.2  0.129  1.275  0.005  507.  111.     -1.3 0.46 1.19 0.20    0.44  318.  10.  296.4  10.  0   0.00   20. 1003.  0
12 01 01 13  145.4  0.133  1.451  0.005  751.  116.     -1.4 0.52 1.19 0.20    0.44  299.  10.  299.8  10.  0   0.00   22. 1002.  0
12 01 01 14  124.3  0.199  1.556  0.005 1084.  213.     -5.7 0.52 1.19 0.21    0.89  256.  10.  301.4  10.  0   0.00   19. 1002.  0
12 01 01 15   83.8  0.300  1.434  0.005 1258.  395.    -28.8 0.52 1.19 0.24    1.78  243.  10.  301.9  10.  0   0.00   27. 1002.  0
12 01 01 16   27.5  0.273  1.002  0.005 1306.  343.    -66.2 0.52 1.19 0.33    1.78  282.  10.  301.4  10.  0   0.00   29. 1002.  0
12 01 01 17   -0.6  0.030 -9.000 -9.000 -999.  189.      3.8 0.52 1.19 0.61    0.44  280.  10.  298.1  10.  0   0.00   30. 1002.  0
12 01 01 18   -0.5  0.026 -9.000 -9.000 -999.   77.      2.9 0.34 1.19 1.00    0.44   94.  10.  292.5  10.  0   0.00   52. 1003.  0
12 01 01 19   -0.6  0.028 -9.000 -9.000 -999.   16.      3.2 0.44 1.19 1.00    0.44   88.  10.  290.4  10.  0   0.00   60. 1003.  0
12 01 01 20   -0.6  0.026 -9.000 -9.000 -999.   10.      2.9 0.34 1.19 1.00    0.44  107.  10.  288.1  10.  0   0.00   65. 1004.  0
12 01 01 21   -0.7  0.030 -9.000 -9.000 -999.   12.      3.5 0.52 1.19 1.00    0.44  254.  10.  285.9  10.  0   0.00   70. 1004.  0
12 01 01 22   -0.6  0.026 -9.000 -9.000 -999.   10.      2.8 0.34 1.19 1.00    0.44  103.  10.  284.8  10.  0   0.00   76. 1004.  0
12 01 01 23   -0.6  0.027 -9.000 -9.000 -999.   11.      3.0 0.38 1.19 1.00    0.44  145.  10.  283.1  10.  0   0.00   63. 1004.  0
12 01 01 24   -0.6  0.026 -9.000 -9.000 -999.   10.      2.8 0.34 1.19 1.00    0.44   91.  10.  281.9  10.  0   0.00   55. 1004.  0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 12 01 01 01   10.0 1 -999.  -99.00   280.9 -999.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  DRYDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   1 YEARS FOR SOURCE GROUP: ALL      ***
                                INCLUDING SOURCE(S):     8P4UG00J    , KAM0N00I    , KAM0N00J    ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                     ** CONC OF PM10     IN MICROGRAMS/M**3                      **

      X-COORD (M)   Y-COORD (M)        CONC                     X-COORD (M)   Y-COORD (M)        CONC
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        497720.00    3632833.20        0.00127                    497770.00    3632833.20        0.00128
        497820.00    3632833.20        0.00130                    497870.00    3632833.20        0.00131
        497920.00    3632833.20        0.00133                    497970.00    3632833.20        0.00135
        498020.00    3632833.20        0.00137                    498070.00    3632833.20        0.00139
        498120.00    3632833.20        0.00141                    498170.00    3632833.20        0.00143
        498220.00    3632833.20        0.00145                    498270.00    3632833.20        0.00148
        498320.00    3632833.20        0.00149                    498370.00    3632833.20        0.00151
        498420.00    3632833.20        0.00152                    498470.00    3632833.20        0.00152
        498520.00    3632833.20        0.00152                    498570.00    3632833.20        0.00151
        498620.00    3632833.20        0.00149                    498670.00    3632833.20        0.00148
        498720.00    3632833.20        0.00146                    498770.00    3632833.20        0.00144
        498820.00    3632833.20        0.00143                    498870.00    3632833.20        0.00142
        498920.00    3632833.20        0.00141                    498970.00    3632833.20        0.00141
        499020.00    3632833.20        0.00142                    499070.00    3632833.20        0.00143
        499120.00    3632833.20        0.00146                    499170.00    3632833.20        0.00148
        499220.00    3632833.20        0.00151                    499270.00    3632833.20        0.00154
        499320.00    3632833.20        0.00156                    499370.00    3632833.20        0.00157
        499420.00    3632833.20        0.00158                    499470.00    3632833.20        0.00158
        499520.00    3632833.20        0.00157                    499570.00    3632833.20        0.00155
        499620.00    3632833.20        0.00152                    499670.00    3632833.20        0.00149
        499720.00    3632833.20        0.00145                    499770.00    3632833.20        0.00141
        499820.00    3632833.20        0.00136                    499870.00    3632833.20        0.00131
        499920.00    3632833.20        0.00126                    497720.00    3632883.20        0.00143
        497770.00    3632883.20        0.00145                    497820.00    3632883.20        0.00147
        497870.00    3632883.20        0.00149                    497920.00    3632883.20        0.00151
        497970.00    3632883.20        0.00154                    498020.00    3632883.20        0.00157
        498070.00    3632883.20        0.00159                    498120.00    3632883.20        0.00163
        498170.00    3632883.20        0.00166                    498220.00    3632883.20        0.00169
        498270.00    3632883.20        0.00171                    498320.00    3632883.20        0.00174
        498370.00    3632883.20        0.00175                    498420.00    3632883.20        0.00176
        498470.00    3632883.20        0.00176                    498520.00    3632883.20        0.00175
        498570.00    3632883.20        0.00173                    498620.00    3632883.20        0.00171
        498670.00    3632883.20        0.00169                    498720.00    3632883.20        0.00167
        498770.00    3632883.20        0.00164                    498820.00    3632883.20        0.00162
        498870.00    3632883.20        0.00160                    498920.00    3632883.20        0.00159
        498970.00    3632883.20        0.00159                    499020.00    3632883.20        0.00159
        499070.00    3632883.20        0.00161                    499120.00    3632883.20        0.00163
        499170.00    3632883.20        0.00166                    499220.00    3632883.20        0.00169
        499270.00    3632883.20        0.00172                    499320.00    3632883.20        0.00174
        499370.00    3632883.20        0.00175                    499420.00    3632883.20        0.00176
```



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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  DRYDPLT  RURAL

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   1 YEARS FOR SOURCE GROUP: ALL      ***
                                INCLUDING SOURCE(S):     8P4UG00J    , KAM0N00I    , KAM0N00J    ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                     ** CONC OF PM10     IN MICROGRAMS/M**3                      **

      X-COORD (M)   Y-COORD (M)        CONC                     X-COORD (M)   Y-COORD (M)        CONC
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        499470.00    3632883.20        0.00175                    499520.00    3632883.20        0.00173
```

| | | | | | |
|---|---|---|---|---|---|
| 499570.00 | 3632883.20 | 0.00170 | 499620.00 | 3632883.20 | 0.00167 |
| 499670.00 | 3632883.20 | 0.00162 | 499720.00 | 3632883.20 | 0.00157 |
| 499770.00 | 3632883.20 | 0.00152 | 499820.00 | 3632883.20 | 0.00146 |
| 499870.00 | 3632883.20 | 0.00140 | 499920.00 | 3632883.20 | 0.00134 |
| 497720.00 | 3632933.20 | 0.00162 | 497770.00 | 3632933.20 | 0.00164 |
| 497820.00 | 3632933.20 | 0.00167 | 497870.00 | 3632933.20 | 0.00170 |
| 497920.00 | 3632933.20 | 0.00173 | 497970.00 | 3632933.20 | 0.00177 |
| 498020.00 | 3632933.20 | 0.00181 | 498070.00 | 3632933.20 | 0.00185 |
| 498120.00 | 3632933.20 | 0.00189 | 498170.00 | 3632933.20 | 0.00193 |
| 498220.00 | 3632933.20 | 0.00198 | 498270.00 | 3632933.20 | 0.00201 |
| 498320.00 | 3632933.20 | 0.00204 | 498370.00 | 3632933.20 | 0.00206 |
| 498420.00 | 3632933.20 | 0.00206 | 498470.00 | 3632933.20 | 0.00205 |
| 498520.00 | 3632933.20 | 0.00204 | 498570.00 | 3632933.20 | 0.00201 |
| 498620.00 | 3632933.20 | 0.00199 | 498670.00 | 3632933.20 | 0.00196 |
| 498720.00 | 3632933.20 | 0.00193 | 498770.00 | 3632933.20 | 0.00189 |
| 498820.00 | 3632933.20 | 0.00186 | 498870.00 | 3632933.20 | 0.00183 |
| 498920.00 | 3632933.20 | 0.00181 | 498970.00 | 3632933.20 | 0.00180 |
| 499020.00 | 3632933.20 | 0.00180 | 499070.00 | 3632933.20 | 0.00181 |
| 499120.00 | 3632933.20 | 0.00184 | 499170.00 | 3632933.20 | 0.00187 |
| 499220.00 | 3632933.20 | 0.00191 | 499270.00 | 3632933.20 | 0.00194 |
| 499320.00 | 3632933.20 | 0.00196 | 499370.00 | 3632933.20 | 0.00197 |
| 499420.00 | 3632933.20 | 0.00196 | 499470.00 | 3632933.20 | 0.00195 |
| 499520.00 | 3632933.20 | 0.00192 | 499570.00 | 3632933.20 | 0.00188 |
| 499620.00 | 3632933.20 | 0.00183 | 499670.00 | 3632933.20 | 0.00177 |
| 499720.00 | 3632933.20 | 0.00171 | 499770.00 | 3632933.20 | 0.00165 |
| 499820.00 | 3632933.20 | 0.00158 | 499870.00 | 3632933.20 | 0.00150 |
| 499920.00 | 3632933.20 | 0.00143 | 497720.00 | 3632983.20 | 0.00184 |
| 497770.00 | 3632983.20 | 0.00188 | 497820.00 | 3632983.20 | 0.00192 |
| 497870.00 | 3632983.20 | 0.00196 | 497920.00 | 3632983.20 | 0.00200 |
| 497970.00 | 3632983.20 | 0.00205 | 498020.00 | 3632983.20 | 0.00210 |
| 498070.00 | 3632983.20 | 0.00216 | 498120.00 | 3632983.20 | 0.00222 |
| 498170.00 | 3632983.20 | 0.00228 | 498220.00 | 3632983.20 | 0.00234 |
| 498270.00 | 3632983.20 | 0.00239 | 498320.00 | 3632983.20 | 0.00243 |
| 498370.00 | 3632983.20 | 0.00244 | 498420.00 | 3632983.20 | 0.00244 |
| 498470.00 | 3632983.20 | 0.00243 | 498520.00 | 3632983.20 | 0.00241 |
| 498570.00 | 3632983.20 | 0.00238 | 498620.00 | 3632983.20 | 0.00235 |
| 498670.00 | 3632983.20 | 0.00231 | 498720.00 | 3632983.20 | 0.00226 |
| 498770.00 | 3632983.20 | 0.00222 | 498820.00 | 3632983.20 | 0.00217 |
| 498870.00 | 3632983.20 | 0.00213 | 498920.00 | 3632983.20 | 0.00209 |



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 8P4UG00J , KAM0N00I , KAM0N00J ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 498970.00 | 3632983.20 | 0.00207 | 499020.00 | 3632983.20 | 0.00206 |
| 499070.00 | 3632983.20 | 0.00208 | 499120.00 | 3632983.20 | 0.00211 |
| 499170.00 | 3632983.20 | 0.00215 | 499220.00 | 3632983.20 | 0.00219 |
| 499270.00 | 3632983.20 | 0.00222 | 499320.00 | 3632983.20 | 0.00223 |
| 499370.00 | 3632983.20 | 0.00223 | 499420.00 | 3632983.20 | 0.00221 |
| 499470.00 | 3632983.20 | 0.00219 | 499520.00 | 3632983.20 | 0.00214 |
| 499570.00 | 3632983.20 | 0.00209 | 499620.00 | 3632983.20 | 0.00202 |
| 499670.00 | 3632983.20 | 0.00195 | 499720.00 | 3632983.20 | 0.00187 |
| 499770.00 | 3632983.20 | 0.00179 | 499820.00 | 3632983.20 | 0.00170 |
| 499870.00 | 3632983.20 | 0.00162 | 499920.00 | 3632983.20 | 0.00153 |
| 497720.00 | 3633033.20 | 0.00210 | 497770.00 | 3633033.20 | 0.00216 |
| 497820.00 | 3633033.20 | 0.00222 | 497870.00 | 3633033.20 | 0.00228 |
| 497920.00 | 3633033.20 | 0.00235 | 497970.00 | 3633033.20 | 0.00241 |
| 498020.00 | 3633033.20 | 0.00248 | 498070.00 | 3633033.20 | 0.00256 |
| 498120.00 | 3633033.20 | 0.00264 | 498170.00 | 3633033.20 | 0.00272 |
| 498220.00 | 3633033.20 | 0.00280 | 498270.00 | 3633033.20 | 0.00287 |
| 498320.00 | 3633033.20 | 0.00291 | 498370.00 | 3633033.20 | 0.00293 |
| 498420.00 | 3633033.20 | 0.00293 | 498470.00 | 3633033.20 | 0.00292 |
| 498520.00 | 3633033.20 | 0.00289 | 498570.00 | 3633033.20 | 0.00286 |
| 498620.00 | 3633033.20 | 0.00282 | 498670.00 | 3633033.20 | 0.00277 |
| 498720.00 | 3633033.20 | 0.00271 | 498770.00 | 3633033.20 | 0.00265 |
| 498820.00 | 3633033.20 | 0.00258 | 498870.00 | 3633033.20 | 0.00252 |
| 498920.00 | 3633033.20 | 0.00247 | 498970.00 | 3633033.20 | 0.00243 |
| 499020.00 | 3633033.20 | 0.00242 | 499070.00 | 3633033.20 | 0.00243 |
| 499120.00 | 3633033.20 | 0.00247 | 499170.00 | 3633033.20 | 0.00252 |
| 499220.00 | 3633033.20 | 0.00255 | 499270.00 | 3633033.20 | 0.00257 |
| 499320.00 | 3633033.20 | 0.00257 | 499370.00 | 3633033.20 | 0.00256 |
| 499420.00 | 3633033.20 | 0.00252 | 499470.00 | 3633033.20 | 0.00247 |
| 499520.00 | 3633033.20 | 0.00241 | 499570.00 | 3633033.20 | 0.00233 |
| 499620.00 | 3633033.20 | 0.00224 | 499670.00 | 3633033.20 | 0.00214 |
| 499720.00 | 3633033.20 | 0.00205 | 499770.00 | 3633033.20 | 0.00194 |
| 499820.00 | 3633033.20 | 0.00184 | 499870.00 | 3633033.20 | 0.00174 |
| 499920.00 | 3633033.20 | 0.00164 | 497720.00 | 3633083.20 | 0.00242 |
| 497770.00 | 3633083.20 | 0.00250 | 497820.00 | 3633083.20 | 0.00259 |
| 497870.00 | 3633083.20 | 0.00269 | 497920.00 | 3633083.20 | 0.00279 |
| 497970.00 | 3633083.20 | 0.00289 | 498020.00 | 3633083.20 | 0.00300 |
| 498070.00 | 3633083.20 | 0.00311 | 498120.00 | 3633083.20 | 0.00322 |
| 498170.00 | 3633083.20 | 0.00333 | 498220.00 | 3633083.20 | 0.00344 |

| | | | | | |
|---|---|---|---|---|---|
| 498270.00 | 3633083.20 | 0.00352 | 498320.00 | 3633083.20 | 0.00357 |
| 498370.00 | 3633083.20 | 0.00358 | 498420.00 | 3633083.20 | 0.00357 |



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 8P4UG00J , KAM0N00I , KAM0N00J ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 498470.00 | 3633083.20 | 0.00355 | 498520.00 | 3633083.20 | 0.00353 |
| 498570.00 | 3633083.20 | 0.00350 | 498620.00 | 3633083.20 | 0.00345 |
| 498670.00 | 3633083.20 | 0.00340 | 498720.00 | 3633083.20 | 0.00332 |
| 498770.00 | 3633083.20 | 0.00324 | 498820.00 | 3633083.20 | 0.00316 |
| 498870.00 | 3633083.20 | 0.00308 | 498920.00 | 3633083.20 | 0.00300 |
| 498970.00 | 3633083.20 | 0.00294 | 499020.00 | 3633083.20 | 0.00291 |
| 499070.00 | 3633083.20 | 0.00292 | 499120.00 | 3633083.20 | 0.00297 |
| 499170.00 | 3633083.20 | 0.00302 | 499220.00 | 3633083.20 | 0.00304 |
| 499270.00 | 3633083.20 | 0.00304 | 499320.00 | 3633083.20 | 0.00302 |
| 499370.00 | 3633083.20 | 0.00297 | 499420.00 | 3633083.20 | 0.00290 |
| 499470.00 | 3633083.20 | 0.00282 | 499520.00 | 3633083.20 | 0.00272 |
| 499570.00 | 3633083.20 | 0.00261 | 499620.00 | 3633083.20 | 0.00249 |
| 499670.00 | 3633083.20 | 0.00237 | 499720.00 | 3633083.20 | 0.00225 |
| 499770.00 | 3633083.20 | 0.00212 | 499820.00 | 3633083.20 | 0.00200 |
| 499870.00 | 3633083.20 | 0.00187 | 499920.00 | 3633083.20 | 0.00175 |
| 497720.00 | 3633133.20 | 0.00281 | 497770.00 | 3633133.20 | 0.00293 |
| 497820.00 | 3633133.20 | 0.00307 | 497870.00 | 3633133.20 | 0.00321 |
| 497920.00 | 3633133.20 | 0.00337 | 497970.00 | 3633133.20 | 0.00354 |
| 498020.00 | 3633133.20 | 0.00372 | 498070.00 | 3633133.20 | 0.00390 |
| 498120.00 | 3633133.20 | 0.00407 | 498170.00 | 3633133.20 | 0.00424 |
| 498220.00 | 3633133.20 | 0.00438 | 498270.00 | 3633133.20 | 0.00449 |
| 498320.00 | 3633133.20 | 0.00452 | 498370.00 | 3633133.20 | 0.00451 |
| 498420.00 | 3633133.20 | 0.00447 | 498470.00 | 3633133.20 | 0.00442 |
| 498520.00 | 3633133.20 | 0.00438 | 498570.00 | 3633133.20 | 0.00435 |
| 498620.00 | 3633133.20 | 0.00430 | 498670.00 | 3633133.20 | 0.00424 |
| 498720.00 | 3633133.20 | 0.00417 | 498770.00 | 3633133.20 | 0.00408 |
| 498820.00 | 3633133.20 | 0.00400 | 498870.00 | 3633133.20 | 0.00392 |
| 498920.00 | 3633133.20 | 0.00382 | 498970.00 | 3633133.20 | 0.00373 |
| 499020.00 | 3633133.20 | 0.00366 | 499070.00 | 3633133.20 | 0.00367 |
| 499120.00 | 3633133.20 | 0.00372 | 499170.00 | 3633133.20 | 0.00375 |
| 499220.00 | 3633133.20 | 0.00374 | 499270.00 | 3633133.20 | 0.00368 |
| 499320.00 | 3633133.20 | 0.00361 | 499370.00 | 3633133.20 | 0.00351 |
| 499420.00 | 3633133.20 | 0.00339 | 499470.00 | 3633133.20 | 0.00325 |
| 499520.00 | 3633133.20 | 0.00311 | 499570.00 | 3633133.20 | 0.00295 |
| 499620.00 | 3633133.20 | 0.00280 | 499670.00 | 3633133.20 | 0.00264 |
| 499720.00 | 3633133.20 | 0.00248 | 499770.00 | 3633133.20 | 0.00233 |
| 499820.00 | 3633133.20 | 0.00218 | 499870.00 | 3633133.20 | 0.00203 |
| 499920.00 | 3633133.20 | 0.00188 | 497720.00 | 3633183.20 | 0.00330 |
| 497770.00 | 3633183.20 | 0.00348 | 497820.00 | 3633183.20 | 0.00369 |
| 497870.00 | 3633183.20 | 0.00392 | 497920.00 | 3633183.20 | 0.00418 |



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 8P4UG00J , KAM0N00I , KAM0N00J ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 497970.00 | 3633183.20 | 0.00447 | 498020.00 | 3633183.20 | 0.00480 |
| 498070.00 | 3633183.20 | 0.00514 | 498120.00 | 3633183.20 | 0.00547 |
| 498170.00 | 3633183.20 | 0.00577 | 498220.00 | 3633183.20 | 0.00600 |
| 498270.00 | 3633183.20 | 0.00614 | 498320.00 | 3633183.20 | 0.00612 |
| 498370.00 | 3633183.20 | 0.00602 | 498420.00 | 3633183.20 | 0.00589 |
| 498470.00 | 3633183.20 | 0.00577 | 498520.00 | 3633183.20 | 0.00566 |
| 498570.00 | 3633183.20 | 0.00558 | 498620.00 | 3633183.20 | 0.00551 |
| 498670.00 | 3633183.20 | 0.00543 | 498720.00 | 3633183.20 | 0.00535 |
| 498770.00 | 3633183.20 | 0.00530 | 498820.00 | 3633183.20 | 0.00528 |
| 498870.00 | 3633183.20 | 0.00526 | 498920.00 | 3633183.20 | 0.00520 |
| 498970.00 | 3633183.20 | 0.00508 | 499020.00 | 3633183.20 | 0.00497 |
| 499070.00 | 3633183.20 | 0.00495 | 499120.00 | 3633183.20 | 0.00497 |
| 499170.00 | 3633183.20 | 0.00492 | 499220.00 | 3633183.20 | 0.00478 |
| 499270.00 | 3633183.20 | 0.00460 | 499320.00 | 3633183.20 | 0.00442 |
| 499370.00 | 3633183.20 | 0.00423 | 499420.00 | 3633183.20 | 0.00402 |
| 499470.00 | 3633183.20 | 0.00380 | 499520.00 | 3633183.20 | 0.00358 |
| 499570.00 | 3633183.20 | 0.00337 | 499620.00 | 3633183.20 | 0.00316 |
| 499670.00 | 3633183.20 | 0.00296 | 499720.00 | 3633183.20 | 0.00276 |
| 499770.00 | 3633183.20 | 0.00257 | 499820.00 | 3633183.20 | 0.00238 |
| 499870.00 | 3633183.20 | 0.00220 | 499920.00 | 3633183.20 | 0.00202 |
| 497720.00 | 3633233.20 | 0.00392 | 497770.00 | 3633233.20 | 0.00420 |

| | | | | | |
|---|---|---|---|---|---|
| 497820.00 | 3633233.20 | 0.00451 | 497870.00 | 3633233.20 | 0.00488 |
| 497920.00 | 3633233.20 | 0.00532 | 497970.00 | 3633233.20 | 0.00585 |
| 498020.00 | 3633233.20 | 0.00651 | 498070.00 | 3633233.20 | 0.00727 |
| 498120.00 | 3633233.20 | 0.00816 | 498170.00 | 3633233.20 | 0.00922 |
| 498470.00 | 3633233.20 | 0.00855 | 498520.00 | 3633233.20 | 0.00812 |
| 498570.00 | 3633233.20 | 0.00774 | 498620.00 | 3633233.20 | 0.00745 |
| 498670.00 | 3633233.20 | 0.00722 | 498720.00 | 3633233.20 | 0.00713 |
| 498770.00 | 3633233.20 | 0.00715 | 498820.00 | 3633233.20 | 0.00730 |
| 498870.00 | 3633233.20 | 0.00752 | 498920.00 | 3633233.20 | 0.00776 |
| 498970.00 | 3633233.20 | 0.00789 | 499020.00 | 3633233.20 | 0.00792 |
| 499070.00 | 3633233.20 | 0.00789 | 499120.00 | 3633233.20 | 0.00765 |
| 499170.00 | 3633233.20 | 0.00713 | 499220.00 | 3633233.20 | 0.00656 |
| 499270.00 | 3633233.20 | 0.00606 | 499320.00 | 3633233.20 | 0.00564 |
| 499370.00 | 3633233.20 | 0.00526 | 499420.00 | 3633233.20 | 0.00489 |
| 499470.00 | 3633233.20 | 0.00453 | 499520.00 | 3633233.20 | 0.00420 |
| 499570.00 | 3633233.20 | 0.00389 | 499620.00 | 3633233.20 | 0.00361 |
| 499670.00 | 3633233.20 | 0.00334 | 499720.00 | 3633233.20 | 0.00309 |
| 499770.00 | 3633233.20 | 0.00285 | 499820.00 | 3633233.20 | 0.00261 |
| 499870.00 | 3633233.20 | 0.00239 | 499920.00 | 3633233.20 | 0.00218 |



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 8P4UG00J , KAM0N00I , KAM0N00J ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 497720.00 | 3633283.20 | 0.00470 | 497770.00 | 3633283.20 | 0.00512 |
| 497820.00 | 3633283.20 | 0.00561 | 497870.00 | 3633283.20 | 0.00621 |
| 497920.00 | 3633283.20 | 0.00697 | 497970.00 | 3633283.20 | 0.00798 |
| 498020.00 | 3633283.20 | 0.00933 | 498070.00 | 3633283.20 | 0.01118 |
| 498720.00 | 3633283.20 | 0.01010 | 498770.00 | 3633283.20 | 0.01029 |
| 498820.00 | 3633283.20 | 0.01093 | 499270.00 | 3633283.20 | 0.00885 |
| 499320.00 | 3633283.20 | 0.00772 | 499370.00 | 3633283.20 | 0.00689 |
| 499420.00 | 3633283.20 | 0.00616 | 499470.00 | 3633283.20 | 0.00553 |
| 499520.00 | 3633283.20 | 0.00501 | 499570.00 | 3633283.20 | 0.00456 |
| 499620.00 | 3633283.20 | 0.00417 | 499670.00 | 3633283.20 | 0.00382 |
| 499720.00 | 3633283.20 | 0.00349 | 499770.00 | 3633283.20 | 0.00318 |
| 499820.00 | 3633283.20 | 0.00289 | 499870.00 | 3633283.20 | 0.00261 |
| 499920.00 | 3633283.20 | 0.00236 | 497720.00 | 3633333.20 | 0.00564 |
| 497770.00 | 3633333.20 | 0.00627 | 497820.00 | 3633333.20 | 0.00705 |
| 497870.00 | 3633333.20 | 0.00805 | 497920.00 | 3633333.20 | 0.00938 |
| 497970.00 | 3633333.20 | 0.01131 | 499370.00 | 3633333.20 | 0.00994 |
| 499420.00 | 3633333.20 | 0.00819 | 499470.00 | 3633333.20 | 0.00700 |
| 499520.00 | 3633333.20 | 0.00614 | 499570.00 | 3633333.20 | 0.00547 |
| 499620.00 | 3633333.20 | 0.00491 | 499670.00 | 3633333.20 | 0.00444 |
| 499720.00 | 3633333.20 | 0.00400 | 499770.00 | 3633333.20 | 0.00359 |
| 499820.00 | 3633333.20 | 0.00321 | 499870.00 | 3633333.20 | 0.00287 |
| 499920.00 | 3633333.20 | 0.00256 | 497720.00 | 3633383.20 | 0.00672 |
| 497770.00 | 3633383.20 | 0.00762 | 497820.00 | 3633383.20 | 0.00882 |
| 497870.00 | 3633383.20 | 0.01048 | 497920.00 | 3633383.20 | 0.01297 |
| 499420.00 | 3633383.20 | 0.01184 | 499470.00 | 3633383.20 | 0.00931 |
| 499520.00 | 3633383.20 | 0.00778 | 499570.00 | 3633383.20 | 0.00672 |
| 499620.00 | 3633383.20 | 0.00591 | 499670.00 | 3633383.20 | 0.00524 |
| 499720.00 | 3633383.20 | 0.00465 | 499770.00 | 3633383.20 | 0.00410 |
| 499820.00 | 3633383.20 | 0.00360 | 499870.00 | 3633383.20 | 0.00316 |
| 499920.00 | 3633383.20 | 0.00279 | 497720.00 | 3633433.20 | 0.00784 |
| 497770.00 | 3633433.20 | 0.00901 | 497820.00 | 3633433.20 | 0.01060 |
| 497870.00 | 3633433.20 | 0.01288 | 498270.00 | 3633433.20 | 0.01735 |
| 498320.00 | 3633433.20 | 0.01739 | 498370.00 | 3633433.20 | 0.01798 |
| 499520.00 | 3633433.20 | 0.01033 | 499570.00 | 3633433.20 | 0.00852 |
| 499620.00 | 3633433.20 | 0.00729 | 499670.00 | 3633433.20 | 0.00633 |
| 499720.00 | 3633433.20 | 0.00549 | 499770.00 | 3633433.20 | 0.00472 |
| 499820.00 | 3633433.20 | 0.00406 | 499870.00 | 3633433.20 | 0.00351 |
| 499920.00 | 3633433.20 | 0.00305 | 497720.00 | 3633483.20 | 0.00884 |
| 497770.00 | 3633483.20 | 0.01019 | 497820.00 | 3633483.20 | 0.01199 |
| 497870.00 | 3633483.20 | 0.01459 | 498220.00 | 3633483.20 | 0.01466 |



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 8P4UG00J , KAM0N00I , KAM0N00J ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 498270.00 | 3633483.20 | 0.01442 | 498320.00 | 3633483.20 | 0.01463 |
| 498370.00 | 3633483.20 | 0.01517 | 498420.00 | 3633483.20 | 0.01601 |
| 498470.00 | 3633483.20 | 0.01719 | 498520.00 | 3633483.20 | 0.01886 |
| 499570.00 | 3633483.20 | 0.01146 | 499620.00 | 3633483.20 | 0.00936 |

| | | | | | |
|---|---|---|---|---|---|
| 499670.00 | 3633483.20 | 0.00786 | 499720.00 | 3633483.20 | 0.00659 |
| 499770.00 | 3633483.20 | 0.00549 | 499820.00 | 3633483.20 | 0.00460 |
| 499870.00 | 3633483.20 | 0.00389 | 499920.00 | 3633483.20 | 0.00334 |
| 497720.00 | 3633533.20 | 0.00971 | 497770.00 | 3633533.20 | 0.01124 |
| 497820.00 | 3633533.20 | 0.01340 | 498170.00 | 3633533.20 | 0.01325 |
| 498220.00 | 3633533.20 | 0.01280 | 498270.00 | 3633533.20 | 0.01278 |
| 498320.00 | 3633533.20 | 0.01306 | 498370.00 | 3633533.20 | 0.01358 |
| 498420.00 | 3633533.20 | 0.01430 | 498470.00 | 3633533.20 | 0.01524 |
| 498520.00 | 3633533.20 | 0.01647 | 498570.00 | 3633533.20 | 0.01802 |
| 498620.00 | 3633533.20 | 0.01995 | 499670.00 | 3633533.20 | 0.01038 |
| 499720.00 | 3633533.20 | 0.00813 | 499770.00 | 3633533.20 | 0.00643 |
| 499820.00 | 3633533.20 | 0.00522 | 499870.00 | 3633533.20 | 0.00433 |
| 499920.00 | 3633533.20 | 0.00366 | 497720.00 | 3633583.20 | 0.01048 |
| 497770.00 | 3633583.20 | 0.01249 | 498070.00 | 3633583.20 | 0.01355 |
| 498120.00 | 3633583.20 | 0.01228 | 498170.00 | 3633583.20 | 0.01171 |
| 498220.00 | 3633583.20 | 0.01154 | 498270.00 | 3633583.20 | 0.01163 |
| 498320.00 | 3633583.20 | 0.01193 | 498370.00 | 3633583.20 | 0.01239 |
| 498420.00 | 3633583.20 | 0.01299 | 498470.00 | 3633583.20 | 0.01374 |
| 498520.00 | 3633583.20 | 0.01465 | 498570.00 | 3633583.20 | 0.01575 |
| 498620.00 | 3633583.20 | 0.01703 | 498670.00 | 3633583.20 | 0.01850 |
| 498720.00 | 3633583.20 | 0.02019 | 498770.00 | 3633583.20 | 0.02211 |
| 499720.00 | 3633583.20 | 0.01036 | 499770.00 | 3633583.20 | 0.00757 |
| 499820.00 | 3633583.20 | 0.00591 | 499870.00 | 3633583.20 | 0.00480 |
| 499920.00 | 3633583.20 | 0.00400 | 497720.00 | 3633633.20 | 0.01073 |
| 497770.00 | 3633633.20 | 0.01296 | 498020.00 | 3633633.20 | 0.01263 |
| 498070.00 | 3633633.20 | 0.01145 | 498120.00 | 3633633.20 | 0.01084 |
| 498170.00 | 3633633.20 | 0.01058 | 498220.00 | 3633633.20 | 0.01056 |
| 498270.00 | 3633633.20 | 0.01070 | 498320.00 | 3633633.20 | 0.01099 |
| 498370.00 | 3633633.20 | 0.01139 | 498420.00 | 3633633.20 | 0.01189 |
| 498470.00 | 3633633.20 | 0.01250 | 498520.00 | 3633633.20 | 0.01323 |
| 498570.00 | 3633633.20 | 0.01407 | 498620.00 | 3633633.20 | 0.01503 |
| 498670.00 | 3633633.20 | 0.01611 | 498720.00 | 3633633.20 | 0.01733 |
| 498770.00 | 3633633.20 | 0.01873 | 498820.00 | 3633633.20 | 0.02035 |
| 498870.00 | 3633633.20 | 0.02232 | 499720.00 | 3633633.20 | 0.01277 |
| 499770.00 | 3633633.20 | 0.00873 | 499820.00 | 3633633.20 | 0.00660 |
| 499870.00 | 3633633.20 | 0.00526 | 499920.00 | 3633633.20 | 0.00434 |



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 8P4UG00J , KAM0N00I , KAM0N00J ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 497720.00 | 3633683.20 | 0.00996 | 497770.00 | 3633683.20 | 0.01178 |
| 497970.00 | 3633683.20 | 0.01160 | 498020.00 | 3633683.20 | 0.01060 |
| 498070.00 | 3633683.20 | 0.01005 | 498120.00 | 3633683.20 | 0.00977 |
| 498170.00 | 3633683.20 | 0.00967 | 498220.00 | 3633683.20 | 0.00973 |
| 498270.00 | 3633683.20 | 0.00990 | 498320.00 | 3633683.20 | 0.01017 |
| 498370.00 | 3633683.20 | 0.01052 | 498420.00 | 3633683.20 | 0.01096 |
| 498470.00 | 3633683.20 | 0.01148 | 498520.00 | 3633683.20 | 0.01209 |
| 498570.00 | 3633683.20 | 0.01279 | 498620.00 | 3633683.20 | 0.01359 |
| 498670.00 | 3633683.20 | 0.01449 | 498720.00 | 3633683.20 | 0.01553 |
| 498770.00 | 3633683.20 | 0.01671 | 498820.00 | 3633683.20 | 0.01809 |
| 498870.00 | 3633683.20 | 0.01973 | 498920.00 | 3633683.20 | 0.02192 |
| 499720.00 | 3633683.20 | 0.01483 | 499770.00 | 3633683.20 | 0.00960 |
| 499820.00 | 3633683.20 | 0.00714 | 499870.00 | 3633683.20 | 0.00564 |
| 499920.00 | 3633683.20 | 0.00463 | 497720.00 | 3633733.20 | 0.00852 |
| 497770.00 | 3633733.20 | 0.00962 | 497920.00 | 3633733.20 | 0.01020 |
| 497970.00 | 3633733.20 | 0.00962 | 498020.00 | 3633733.20 | 0.00923 |
| 498070.00 | 3633733.20 | 0.00899 | 498120.00 | 3633733.20 | 0.00889 |
| 498170.00 | 3633733.20 | 0.00889 | 498220.00 | 3633733.20 | 0.00900 |
| 498270.00 | 3633733.20 | 0.00918 | 498320.00 | 3633733.20 | 0.00944 |
| 498370.00 | 3633733.20 | 0.00976 | 498420.00 | 3633733.20 | 0.01015 |
| 498470.00 | 3633733.20 | 0.01061 | 498520.00 | 3633733.20 | 0.01115 |
| 498570.00 | 3633733.20 | 0.01177 | 498620.00 | 3633733.20 | 0.01247 |
| 498670.00 | 3633733.20 | 0.01328 | 498720.00 | 3633733.20 | 0.01420 |
| 498770.00 | 3633733.20 | 0.01527 | 498820.00 | 3633733.20 | 0.01652 |
| 498870.00 | 3633733.20 | 0.01804 | 498920.00 | 3633733.20 | 0.01998 |
| 499770.00 | 3633733.20 | 0.01004 | 499820.00 | 3633733.20 | 0.00742 |
| 499870.00 | 3633733.20 | 0.00586 | 499920.00 | 3633733.20 | 0.00481 |
| 497720.00 | 3633783.20 | 0.00701 | 497770.00 | 3633783.20 | 0.00752 |
| 497820.00 | 3633783.20 | 0.00821 | 497870.00 | 3633783.20 | 0.00850 |
| 497920.00 | 3633783.20 | 0.00844 | 497970.00 | 3633783.20 | 0.00831 |
| 498020.00 | 3633783.20 | 0.00819 | 498070.00 | 3633783.20 | 0.00813 |
| 498120.00 | 3633783.20 | 0.00814 | 498170.00 | 3633783.20 | 0.00820 |
| 498220.00 | 3633783.20 | 0.00834 | 498270.00 | 3633783.20 | 0.00853 |
| 498320.00 | 3633783.20 | 0.00878 | 498370.00 | 3633783.20 | 0.00908 |
| 498420.00 | 3633783.20 | 0.00944 | 498470.00 | 3633783.20 | 0.00986 |
| 498520.00 | 3633783.20 | 0.01035 | 498570.00 | 3633783.20 | 0.01090 |
| 498620.00 | 3633783.20 | 0.01154 | 498670.00 | 3633783.20 | 0.01227 |
| 498720.00 | 3633783.20 | 0.01311 | 498770.00 | 3633783.20 | 0.01408 |
| 498820.00 | 3633783.20 | 0.01524 | 498870.00 | 3633783.20 | 0.01667 |
| 498920.00 | 3633783.20 | 0.01851 | 499770.00 | 3633783.20 | 0.01000 |

*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 8P4UG00J , KAM0N00I , KAM0N00J ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 499820.00 | 3633783.20 | 0.00743 | 499870.00 | 3633783.20 | 0.00590 |
| 499920.00 | 3633783.20 | 0.00487 | 497720.00 | 3633833.20 | 0.00606 |
| 497770.00 | 3633833.20 | 0.00649 | 497820.00 | 3633833.20 | 0.00698 |
| 497870.00 | 3633833.20 | 0.00727 | 497920.00 | 3633833.20 | 0.00736 |
| 497970.00 | 3633833.20 | 0.00739 | 498020.00 | 3633833.20 | 0.00740 |
| 498070.00 | 3633833.20 | 0.00742 | 498120.00 | 3633833.20 | 0.00749 |
| 498170.00 | 3633833.20 | 0.00759 | 498220.00 | 3633833.20 | 0.00774 |
| 498270.00 | 3633833.20 | 0.00793 | 498320.00 | 3633833.20 | 0.00817 |
| 498370.00 | 3633833.20 | 0.00846 | 498420.00 | 3633833.20 | 0.00879 |
| 498470.00 | 3633833.20 | 0.00917 | 498520.00 | 3633833.20 | 0.00961 |
| 498570.00 | 3633833.20 | 0.01012 | 498620.00 | 3633833.20 | 0.01069 |
| 498670.00 | 3633833.20 | 0.01135 | 498720.00 | 3633833.20 | 0.01210 |
| 498770.00 | 3633833.20 | 0.01298 | 498820.00 | 3633833.20 | 0.01405 |
| 498870.00 | 3633833.20 | 0.01538 | 498920.00 | 3633833.20 | 0.01714 |
| 499770.00 | 3633833.20 | 0.00954 | 499820.00 | 3633833.20 | 0.00719 |
| 499870.00 | 3633833.20 | 0.00577 | 499920.00 | 3633833.20 | 0.00481 |
| 497720.00 | 3633883.20 | 0.00549 | 497770.00 | 3633883.20 | 0.00585 |
| 497820.00 | 3633883.20 | 0.00623 | 497870.00 | 3633883.20 | 0.00648 |
| 497920.00 | 3633883.20 | 0.00662 | 497970.00 | 3633883.20 | 0.00669 |
| 498020.00 | 3633883.20 | 0.00676 | 498070.00 | 3633883.20 | 0.00683 |
| 498120.00 | 3633883.20 | 0.00692 | 498170.00 | 3633883.20 | 0.00704 |
| 498220.00 | 3633883.20 | 0.00719 | 498270.00 | 3633883.20 | 0.00738 |
| 498320.00 | 3633883.20 | 0.00761 | 498370.00 | 3633883.20 | 0.00787 |
| 498420.00 | 3633883.20 | 0.00818 | 498470.00 | 3633883.20 | 0.00852 |
| 498520.00 | 3633883.20 | 0.00892 | 498570.00 | 3633883.20 | 0.00936 |
| 498620.00 | 3633883.20 | 0.00987 | 498670.00 | 3633883.20 | 0.01044 |
| 498720.00 | 3633883.20 | 0.01109 | 498770.00 | 3633883.20 | 0.01185 |
| 498820.00 | 3633883.20 | 0.01276 | 498870.00 | 3633883.20 | 0.01385 |
| 498920.00 | 3633883.20 | 0.01521 | 498970.00 | 3633883.20 | 0.01703 |
| 499720.00 | 3633883.20 | 0.01275 | 499770.00 | 3633883.20 | 0.00868 |
| 499820.00 | 3633883.20 | 0.00671 | 499870.00 | 3633883.20 | 0.00549 |
| 499920.00 | 3633883.20 | 0.00463 | 497720.00 | 3633933.20 | 0.00507 |
| 497770.00 | 3633933.20 | 0.00537 | 497820.00 | 3633933.20 | 0.00567 |
| 497870.00 | 3633933.20 | 0.00590 | 497920.00 | 3633933.20 | 0.00604 |
| 497970.00 | 3633933.20 | 0.00614 | 498020.00 | 3633933.20 | 0.00622 |
| 498070.00 | 3633933.20 | 0.00631 | 498120.00 | 3633933.20 | 0.00641 |
| 498170.00 | 3633933.20 | 0.00654 | 498220.00 | 3633933.20 | 0.00669 |
| 498270.00 | 3633933.20 | 0.00687 | 498320.00 | 3633933.20 | 0.00708 |
| 498370.00 | 3633933.20 | 0.00731 | 498420.00 | 3633933.20 | 0.00758 |
| 498470.00 | 3633933.20 | 0.00789 | 498520.00 | 3633933.20 | 0.00823 |



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 8P4UG00J , KAM0N00I , KAM0N00J ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 498570.00 | 3633933.20 | 0.00861 | 498620.00 | 3633933.20 | 0.00904 |
| 498670.00 | 3633933.20 | 0.00951 | 498720.00 | 3633933.20 | 0.01004 |
| 498770.00 | 3633933.20 | 0.01065 | 498820.00 | 3633933.20 | 0.01134 |
| 498870.00 | 3633933.20 | 0.01214 | 498920.00 | 3633933.20 | 0.01311 |
| 498970.00 | 3633933.20 | 0.01432 | 499020.00 | 3633933.20 | 0.01574 |
| 499070.00 | 3633933.20 | 0.01724 | 499220.00 | 3633933.20 | 0.01845 |
| 499720.00 | 3633933.20 | 0.01022 | 499770.00 | 3633933.20 | 0.00753 |
| 499820.00 | 3633933.20 | 0.00605 | 499870.00 | 3633933.20 | 0.00507 |
| 499920.00 | 3633933.20 | 0.00435 | 497720.00 | 3633983.20 | 0.00473 |
| 497770.00 | 3633983.20 | 0.00498 | 497820.00 | 3633983.20 | 0.00523 |
| 497870.00 | 3633983.20 | 0.00542 | 497920.00 | 3633983.20 | 0.00556 |
| 497970.00 | 3633983.20 | 0.00566 | 498020.00 | 3633983.20 | 0.00576 |
| 498070.00 | 3633983.20 | 0.00585 | 498120.00 | 3633983.20 | 0.00595 |
| 498170.00 | 3633983.20 | 0.00607 | 498220.00 | 3633983.20 | 0.00622 |
| 498270.00 | 3633983.20 | 0.00638 | 498320.00 | 3633983.20 | 0.00656 |
| 498370.00 | 3633983.20 | 0.00677 | 498420.00 | 3633983.20 | 0.00700 |
| 498470.00 | 3633983.20 | 0.00726 | 498520.00 | 3633983.20 | 0.00754 |
| 498570.00 | 3633983.20 | 0.00786 | 498620.00 | 3633983.20 | 0.00820 |
| 498670.00 | 3633983.20 | 0.00857 | 498720.00 | 3633983.20 | 0.00897 |
| 498770.00 | 3633983.20 | 0.00942 | 498820.00 | 3633983.20 | 0.00990 |
| 498870.00 | 3633983.20 | 0.01045 | 498920.00 | 3633983.20 | 0.01106 |
| 498970.00 | 3633983.20 | 0.01176 | 499020.00 | 3633983.20 | 0.01251 |
| 499070.00 | 3633983.20 | 0.01318 | 499120.00 | 3633983.20 | 0.01367 |
| 499170.00 | 3633983.20 | 0.01397 | 499220.00 | 3633983.20 | 0.01405 |

| | | | | | |
|---|---|---|---|---|---|
| 499270.00 | 3633983.20 | 0.01416 | 499320.00 | 3633983.20 | 0.01425 |
| 499370.00 | 3633983.20 | 0.01425 | 499420.00 | 3633983.20 | 0.01410 |
| 499470.00 | 3633983.20 | 0.01379 | 499520.00 | 3633983.20 | 0.01349 |
| 499570.00 | 3633983.20 | 0.01304 | 499620.00 | 3633983.20 | 0.01217 |
| 499720.00 | 3633983.20 | 0.00818 | 499770.00 | 3633983.20 | 0.00643 |
| 499820.00 | 3633983.20 | 0.00535 | 499870.00 | 3633983.20 | 0.00458 |
| 499920.00 | 3633983.20 | 0.00400 | 497720.00 | 3634033.20 | 0.00442 |
| 497770.00 | 3634033.20 | 0.00464 | 497820.00 | 3634033.20 | 0.00484 |
| 497870.00 | 3634033.20 | 0.00501 | 497920.00 | 3634033.20 | 0.00514 |
| 497970.00 | 3634033.20 | 0.00524 | 498020.00 | 3634033.20 | 0.00534 |
| 498070.00 | 3634033.20 | 0.00543 | 498120.00 | 3634033.20 | 0.00553 |
| 498170.00 | 3634033.20 | 0.00564 | 498220.00 | 3634033.20 | 0.00576 |
| 498270.00 | 3634033.20 | 0.00590 | 498320.00 | 3634033.20 | 0.00606 |
| 498370.00 | 3634033.20 | 0.00624 | 498420.00 | 3634033.20 | 0.00643 |
| 498470.00 | 3634033.20 | 0.00664 | 498520.00 | 3634033.20 | 0.00686 |
| 498570.00 | 3634033.20 | 0.00710 | 498620.00 | 3634033.20 | 0.00736 |



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 8P4UG00J , KAM0N00I , KAM0N00J ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 498670.00 | 3634033.20 | 0.00764 | 498720.00 | 3634033.20 | 0.00793 |
| 498770.00 | 3634033.20 | 0.00824 | 498820.00 | 3634033.20 | 0.00857 |
| 498870.00 | 3634033.20 | 0.00892 | 498920.00 | 3634033.20 | 0.00931 |
| 498970.00 | 3634033.20 | 0.00975 | 499020.00 | 3634033.20 | 0.01019 |
| 499070.00 | 3634033.20 | 0.01059 | 499120.00 | 3634033.20 | 0.01088 |
| 499170.00 | 3634033.20 | 0.01105 | 499220.00 | 3634033.20 | 0.01110 |
| 499270.00 | 3634033.20 | 0.01114 | 499320.00 | 3634033.20 | 0.01112 |
| 499370.00 | 3634033.20 | 0.01103 | 499420.00 | 3634033.20 | 0.01083 |
| 499470.00 | 3634033.20 | 0.01053 | 499520.00 | 3634033.20 | 0.01018 |
| 499570.00 | 3634033.20 | 0.00971 | 499620.00 | 3634033.20 | 0.00896 |
| 499670.00 | 3634033.20 | 0.00788 | 499720.00 | 3634033.20 | 0.00654 |
| 499770.00 | 3634033.20 | 0.00545 | 499820.00 | 3634033.20 | 0.00468 |
| 499870.00 | 3634033.20 | 0.00410 | 499920.00 | 3634033.20 | 0.00364 |
| 497720.00 | 3634083.20 | 0.00415 | 497770.00 | 3634083.20 | 0.00433 |
| 497820.00 | 3634083.20 | 0.00450 | 497870.00 | 3634083.20 | 0.00465 |
| 497920.00 | 3634083.20 | 0.00477 | 497970.00 | 3634083.20 | 0.00486 |
| 498020.00 | 3634083.20 | 0.00495 | 498070.00 | 3634083.20 | 0.00503 |
| 498120.00 | 3634083.20 | 0.00512 | 498170.00 | 3634083.20 | 0.00522 |
| 498220.00 | 3634083.20 | 0.00532 | 498270.00 | 3634083.20 | 0.00544 |
| 498320.00 | 3634083.20 | 0.00557 | 498370.00 | 3634083.20 | 0.00571 |
| 498420.00 | 3634083.20 | 0.00586 | 498470.00 | 3634083.20 | 0.00603 |
| 498520.00 | 3634083.20 | 0.00620 | 498570.00 | 3634083.20 | 0.00638 |
| 498620.00 | 3634083.20 | 0.00657 | 498670.00 | 3634083.20 | 0.00676 |
| 498720.00 | 3634083.20 | 0.00696 | 498770.00 | 3634083.20 | 0.00718 |
| 498820.00 | 3634083.20 | 0.00740 | 498870.00 | 3634083.20 | 0.00764 |
| 498920.00 | 3634083.20 | 0.00791 | 498970.00 | 3634083.20 | 0.00821 |
| 499020.00 | 3634083.20 | 0.00851 | 499070.00 | 3634083.20 | 0.00877 |
| 499120.00 | 3634083.20 | 0.00895 | 499170.00 | 3634083.20 | 0.00905 |
| 499220.00 | 3634083.20 | 0.00907 | 499270.00 | 3634083.20 | 0.00907 |
| 499320.00 | 3634083.20 | 0.00903 | 499370.00 | 3634083.20 | 0.00892 |
| 499420.00 | 3634083.20 | 0.00874 | 499470.00 | 3634083.20 | 0.00850 |
| 499520.00 | 3634083.20 | 0.00820 | 499570.00 | 3634083.20 | 0.00779 |
| 499620.00 | 3634083.20 | 0.00721 | 499670.00 | 3634083.20 | 0.00640 |
| 499720.00 | 3634083.20 | 0.00547 | 499770.00 | 3634083.20 | 0.00470 |
| 499820.00 | 3634083.20 | 0.00412 | 499870.00 | 3634083.20 | 0.00366 |
| 499920.00 | 3634083.20 | 0.00329 | 497720.00 | 3634133.20 | 0.00389 |
| 497770.00 | 3634133.20 | 0.00404 | 497820.00 | 3634133.20 | 0.00419 |
| 497870.00 | 3634133.20 | 0.00432 | 497920.00 | 3634133.20 | 0.00442 |
| 497970.00 | 3634133.20 | 0.00451 | 498020.00 | 3634133.20 | 0.00459 |
| 498070.00 | 3634133.20 | 0.00466 | 498120.00 | 3634133.20 | 0.00474 |



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 8P4UG00J , KAM0N00I , KAM0N00J ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 498170.00 | 3634133.20 | 0.00482 | 498220.00 | 3634133.20 | 0.00490 |
| 498270.00 | 3634133.20 | 0.00500 | 498320.00 | 3634133.20 | 0.00510 |
| 498370.00 | 3634133.20 | 0.00521 | 498420.00 | 3634133.20 | 0.00532 |
| 498470.00 | 3634133.20 | 0.00544 | 498520.00 | 3634133.20 | 0.00557 |
| 498570.00 | 3634133.20 | 0.00570 | 498620.00 | 3634133.20 | 0.00583 |
| 498670.00 | 3634133.20 | 0.00597 | 498720.00 | 3634133.20 | 0.00611 |
| 498770.00 | 3634133.20 | 0.00627 | 498820.00 | 3634133.20 | 0.00643 |

| | | | | | |
|---|---|---|---|---|---|
| 498870.00 | 3634133.20 | 0.00661 | 498920.00 | 3634133.20 | 0.00680 |
| 498970.00 | 3634133.20 | 0.00702 | 499020.00 | 3634133.20 | 0.00723 |
| 499070.00 | 3634133.20 | 0.00742 | 499120.00 | 3634133.20 | 0.00754 |
| 499170.00 | 3634133.20 | 0.00760 | 499220.00 | 3634133.20 | 0.00762 |
| 499270.00 | 3634133.20 | 0.00761 | 499320.00 | 3634133.20 | 0.00757 |
| 499370.00 | 3634133.20 | 0.00747 | 499420.00 | 3634133.20 | 0.00732 |
| 499470.00 | 3634133.20 | 0.00712 | 499520.00 | 3634133.20 | 0.00686 |
| 499570.00 | 3634133.20 | 0.00652 | 499620.00 | 3634133.20 | 0.00604 |
| 499670.00 | 3634133.20 | 0.00541 | 499720.00 | 3634133.20 | 0.00471 |
| 499770.00 | 3634133.20 | 0.00412 | 499820.00 | 3634133.20 | 0.00366 |
| 499870.00 | 3634133.20 | 0.00329 | 499920.00 | 3634133.20 | 0.00299 |
| 497720.00 | 3634183.20 | 0.00365 | 497770.00 | 3634183.20 | 0.00378 |
| 497820.00 | 3634183.20 | 0.00390 | 497870.00 | 3634183.20 | 0.00401 |
| 497920.00 | 3634183.20 | 0.00410 | 497970.00 | 3634183.20 | 0.00418 |
| 498020.00 | 3634183.20 | 0.00424 | 498070.00 | 3634183.20 | 0.00431 |
| 498120.00 | 3634183.20 | 0.00437 | 498170.00 | 3634183.20 | 0.00443 |
| 498220.00 | 3634183.20 | 0.00450 | 498270.00 | 3634183.20 | 0.00457 |
| 498320.00 | 3634183.20 | 0.00465 | 498370.00 | 3634183.20 | 0.00473 |
| 498420.00 | 3634183.20 | 0.00481 | 498470.00 | 3634183.20 | 0.00490 |
| 498520.00 | 3634183.20 | 0.00499 | 498570.00 | 3634183.20 | 0.00509 |
| 498620.00 | 3634183.20 | 0.00518 | 498670.00 | 3634183.20 | 0.00528 |
| 498720.00 | 3634183.20 | 0.00539 | 498770.00 | 3634183.20 | 0.00551 |
| 498820.00 | 3634183.20 | 0.00563 | 498870.00 | 3634183.20 | 0.00577 |
| 498920.00 | 3634183.20 | 0.00592 | 498970.00 | 3634183.20 | 0.00609 |
| 499020.00 | 3634183.20 | 0.00625 | 499070.00 | 3634183.20 | 0.00639 |
| 499120.00 | 3634183.20 | 0.00648 | 499170.00 | 3634183.20 | 0.00653 |
| 499220.00 | 3634183.20 | 0.00655 | 499270.00 | 3634183.20 | 0.00654 |
| 499320.00 | 3634183.20 | 0.00650 | 499370.00 | 3634183.20 | 0.00642 |
| 499420.00 | 3634183.20 | 0.00630 | 499470.00 | 3634183.20 | 0.00612 |
| 499520.00 | 3634183.20 | 0.00589 | 499570.00 | 3634183.20 | 0.00559 |
| 499620.00 | 3634183.20 | 0.00518 | 499670.00 | 3634183.20 | 0.00468 |
| 499720.00 | 3634183.20 | 0.00414 | 499770.00 | 3634183.20 | 0.00366 |
| 499820.00 | 3634183.20 | 0.00329 | 499870.00 | 3634183.20 | 0.00298 |



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 8P4UG00J , KAM0N00I , KAM0N00J ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 499920.00 | 3634183.20 | 0.00272 | 497720.00 | 3634233.20 | 0.00341 |
| 497770.00 | 3634233.20 | 0.00352 | 497820.00 | 3634233.20 | 0.00363 |
| 497870.00 | 3634233.20 | 0.00372 | 497920.00 | 3634233.20 | 0.00380 |
| 497970.00 | 3634233.20 | 0.00386 | 498020.00 | 3634233.20 | 0.00392 |
| 498070.00 | 3634233.20 | 0.00397 | 498120.00 | 3634233.20 | 0.00402 |
| 498170.00 | 3634233.20 | 0.00407 | 498220.00 | 3634233.20 | 0.00412 |
| 498270.00 | 3634233.20 | 0.00417 | 498320.00 | 3634233.20 | 0.00423 |
| 498370.00 | 3634233.20 | 0.00429 | 498420.00 | 3634233.20 | 0.00435 |
| 498470.00 | 3634233.20 | 0.00441 | 498520.00 | 3634233.20 | 0.00448 |
| 498570.00 | 3634233.20 | 0.00455 | 498620.00 | 3634233.20 | 0.00462 |
| 498670.00 | 3634233.20 | 0.00470 | 498720.00 | 3634233.20 | 0.00478 |
| 498770.00 | 3634233.20 | 0.00488 | 498820.00 | 3634233.20 | 0.00498 |
| 498870.00 | 3634233.20 | 0.00509 | 498920.00 | 3634233.20 | 0.00522 |
| 498970.00 | 3634233.20 | 0.00535 | 499020.00 | 3634233.20 | 0.00548 |
| 499070.00 | 3634233.20 | 0.00559 | 499120.00 | 3634233.20 | 0.00567 |
| 499170.00 | 3634233.20 | 0.00572 | 499220.00 | 3634233.20 | 0.00573 |
| 499270.00 | 3634233.20 | 0.00573 | 499320.00 | 3634233.20 | 0.00569 |
| 499370.00 | 3634233.20 | 0.00562 | 499420.00 | 3634233.20 | 0.00551 |
| 499470.00 | 3634233.20 | 0.00535 | 499520.00 | 3634233.20 | 0.00514 |
| 499570.00 | 3634233.20 | 0.00487 | 499620.00 | 3634233.20 | 0.00453 |
| 499670.00 | 3634233.20 | 0.00412 | 499720.00 | 3634233.20 | 0.00368 |
| 499770.00 | 3634233.20 | 0.00329 | 499820.00 | 3634233.20 | 0.00298 |
| 499870.00 | 3634233.20 | 0.00272 | 499920.00 | 3634233.20 | 0.00250 |
| 497720.00 | 3634283.20 | 0.00319 | 497770.00 | 3634283.20 | 0.00328 |
| 497820.00 | 3634283.20 | 0.00337 | 497870.00 | 3634283.20 | 0.00345 |
| 497920.00 | 3634283.20 | 0.00351 | 497970.00 | 3634283.20 | 0.00357 |
| 498020.00 | 3634283.20 | 0.00361 | 498070.00 | 3634283.20 | 0.00365 |
| 498120.00 | 3634283.20 | 0.00369 | 498170.00 | 3634283.20 | 0.00372 |
| 498220.00 | 3634283.20 | 0.00376 | 498270.00 | 3634283.20 | 0.00380 |
| 498320.00 | 3634283.20 | 0.00384 | 498370.00 | 3634283.20 | 0.00388 |
| 498420.00 | 3634283.20 | 0.00393 | 498470.00 | 3634283.20 | 0.00398 |
| 498520.00 | 3634283.20 | 0.00403 | 498570.00 | 3634283.20 | 0.00408 |
| 498620.00 | 3634283.20 | 0.00414 | 498670.00 | 3634283.20 | 0.00421 |
| 498720.00 | 3634283.20 | 0.00428 | 498770.00 | 3634283.20 | 0.00436 |
| 498820.00 | 3634283.20 | 0.00445 | 498870.00 | 3634283.20 | 0.00454 |
| 498920.00 | 3634283.20 | 0.00465 | 498970.00 | 3634283.20 | 0.00476 |
| 499020.00 | 3634283.20 | 0.00487 | 499070.00 | 3634283.20 | 0.00497 |
| 499120.00 | 3634283.20 | 0.00504 | 499170.00 | 3634283.20 | 0.00508 |
| 499220.00 | 3634283.20 | 0.00509 | 499270.00 | 3634283.20 | 0.00508 |
| 499320.00 | 3634283.20 | 0.00505 | 499370.00 | 3634283.20 | 0.00499 |



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 8P4UG00J , KAM0N00I , KAM0N00J ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 499420.00 | 3634283.20 | 0.00488 | 499470.00 | 3634283.20 | 0.00474 |
| 499520.00 | 3634283.20 | 0.00455 | 499570.00 | 3634283.20 | 0.00431 |
| 499620.00 | 3634283.20 | 0.00402 | 499670.00 | 3634283.20 | 0.00368 |
| 499720.00 | 3634283.20 | 0.00331 | 499770.00 | 3634283.20 | 0.00299 |
| 499820.00 | 3634283.20 | 0.00272 | 499870.00 | 3634283.20 | 0.00250 |
| 499920.00 | 3634283.20 | 0.00231 | 497720.00 | 3634333.20 | 0.00297 |
| 497770.00 | 3634333.20 | 0.00305 | 497820.00 | 3634333.20 | 0.00313 |
| 497870.00 | 3634333.20 | 0.00319 | 497920.00 | 3634333.20 | 0.00324 |
| 497970.00 | 3634333.20 | 0.00329 | 498020.00 | 3634333.20 | 0.00332 |
| 498070.00 | 3634333.20 | 0.00335 | 498120.00 | 3634333.20 | 0.00338 |
| 498170.00 | 3634333.20 | 0.00341 | 498220.00 | 3634333.20 | 0.00343 |
| 498270.00 | 3634333.20 | 0.00346 | 498320.00 | 3634333.20 | 0.00349 |
| 498370.00 | 3634333.20 | 0.00353 | 498420.00 | 3634333.20 | 0.00356 |
| 498470.00 | 3634333.20 | 0.00360 | 498520.00 | 3634333.20 | 0.00364 |
| 498570.00 | 3634333.20 | 0.00369 | 498620.00 | 3634333.20 | 0.00374 |
| 498670.00 | 3634333.20 | 0.00380 | 498720.00 | 3634333.20 | 0.00386 |
| 498770.00 | 3634333.20 | 0.00393 | 498820.00 | 3634333.20 | 0.00401 |
| 498870.00 | 3634333.20 | 0.00409 | 498920.00 | 3634333.20 | 0.00419 |
| 498970.00 | 3634333.20 | 0.00429 | 499020.00 | 3634333.20 | 0.00438 |
| 499070.00 | 3634333.20 | 0.00446 | 499120.00 | 3634333.20 | 0.00452 |
| 499170.00 | 3634333.20 | 0.00456 | 499220.00 | 3634333.20 | 0.00457 |
| 499270.00 | 3634333.20 | 0.00456 | 499320.00 | 3634333.20 | 0.00453 |
| 499370.00 | 3634333.20 | 0.00447 | 499420.00 | 3634333.20 | 0.00437 |
| 499470.00 | 3634333.20 | 0.00423 | 499520.00 | 3634333.20 | 0.00406 |
| 499570.00 | 3634333.20 | 0.00385 | 499620.00 | 3634333.20 | 0.00360 |
| 499670.00 | 3634333.20 | 0.00331 | 499720.00 | 3634333.20 | 0.00301 |
| 499770.00 | 3634333.20 | 0.00273 | 499820.00 | 3634333.20 | 0.00250 |
| 499870.00 | 3634333.20 | 0.00231 | 499920.00 | 3634333.20 | 0.00214 |
| 497720.00 | 3634383.20 | 0.00277 | 497770.00 | 3634383.20 | 0.00283 |
| 497820.00 | 3634383.20 | 0.00290 | 497870.00 | 3634383.20 | 0.00295 |
| 497920.00 | 3634383.20 | 0.00299 | 497970.00 | 3634383.20 | 0.00303 |
| 498020.00 | 3634383.20 | 0.00305 | 498070.00 | 3634383.20 | 0.00308 |
| 498120.00 | 3634383.20 | 0.00310 | 498170.00 | 3634383.20 | 0.00312 |
| 498220.00 | 3634383.20 | 0.00314 | 498270.00 | 3634383.20 | 0.00316 |
| 498320.00 | 3634383.20 | 0.00318 | 498370.00 | 3634383.20 | 0.00321 |
| 498420.00 | 3634383.20 | 0.00324 | 498470.00 | 3634383.20 | 0.00327 |
| 498520.00 | 3634383.20 | 0.00331 | 498570.00 | 3634383.20 | 0.00335 |
| 498620.00 | 3634383.20 | 0.00340 | 498670.00 | 3634383.20 | 0.00345 |
| 498720.00 | 3634383.20 | 0.00351 | 498770.00 | 3634383.20 | 0.00358 |
| 498820.00 | 3634383.20 | 0.00365 | 498870.00 | 3634383.20 | 0.00372 |



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 8P4UG00J , KAM0N00I , KAM0N00J ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 498920.00 | 3634383.20 | 0.00381 | 498970.00 | 3634383.20 | 0.00389 |
| 499020.00 | 3634383.20 | 0.00398 | 499070.00 | 3634383.20 | 0.00405 |
| 499120.00 | 3634383.20 | 0.00410 | 499170.00 | 3634383.20 | 0.00413 |
| 499220.00 | 3634383.20 | 0.00414 | 499270.00 | 3634383.20 | 0.00413 |
| 499320.00 | 3634383.20 | 0.00410 | 499370.00 | 3634383.20 | 0.00404 |
| 499420.00 | 3634383.20 | 0.00395 | 499470.00 | 3634383.20 | 0.00382 |
| 499520.00 | 3634383.20 | 0.00366 | 499570.00 | 3634383.20 | 0.00348 |
| 499620.00 | 3634383.20 | 0.00326 | 499670.00 | 3634383.20 | 0.00301 |
| 499720.00 | 3634383.20 | 0.00275 | 499770.00 | 3634383.20 | 0.00251 |
| 499820.00 | 3634383.20 | 0.00231 | 499870.00 | 3634383.20 | 0.00214 |
| 499920.00 | 3634383.20 | 0.00199 | 497720.00 | 3634433.20 | 0.00257 |
| 497770.00 | 3634433.20 | 0.00263 | 497820.00 | 3634433.20 | 0.00268 |
| 497870.00 | 3634433.20 | 0.00273 | 497920.00 | 3634433.20 | 0.00276 |
| 497970.00 | 3634433.20 | 0.00279 | 498020.00 | 3634433.20 | 0.00281 |
| 498070.00 | 3634433.20 | 0.00283 | 498120.00 | 3634433.20 | 0.00284 |
| 498170.00 | 3634433.20 | 0.00286 | 498220.00 | 3634433.20 | 0.00288 |
| 498270.00 | 3634433.20 | 0.00289 | 498320.00 | 3634433.20 | 0.00291 |
| 498370.00 | 3634433.20 | 0.00294 | 498420.00 | 3634433.20 | 0.00297 |
| 498470.00 | 3634433.20 | 0.00300 | 498520.00 | 3634433.20 | 0.00303 |
| 498570.00 | 3634433.20 | 0.00307 | 498620.00 | 3634433.20 | 0.00311 |
| 498670.00 | 3634433.20 | 0.00316 | 498720.00 | 3634433.20 | 0.00322 |
| 498770.00 | 3634433.20 | 0.00328 | 498820.00 | 3634433.20 | 0.00334 |
| 498870.00 | 3634433.20 | 0.00341 | 498920.00 | 3634433.20 | 0.00349 |
| 498970.00 | 3634433.20 | 0.00356 | 499020.00 | 3634433.20 | 0.00363 |
| 499070.00 | 3634433.20 | 0.00370 | 499120.00 | 3634433.20 | 0.00374 |
| 499170.00 | 3634433.20 | 0.00376 | 499220.00 | 3634433.20 | 0.00377 |
| 499270.00 | 3634433.20 | 0.00376 | 499320.00 | 3634433.20 | 0.00373 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 499370.00 | 3634433.20 | 0.00368 | 499420.00 | 3634433.20 | 0.00359 | |
| 499470.00 | 3634433.20 | 0.00347 | 499520.00 | 3634433.20 | 0.00333 | |
| 499570.00 | 3634433.20 | 0.00316 | 499620.00 | 3634433.20 | 0.00297 | |
| 499670.00 | 3634433.20 | 0.00275 | 499720.00 | 3634433.20 | 0.00252 | |
| 499770.00 | 3634433.20 | 0.00232 | 499820.00 | 3634433.20 | 0.00215 | |
| 499870.00 | 3634433.20 | 0.00200 | 499920.00 | 3634433.20 | 0.00186 | |



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): 8P4UG00J , KAM0N00I , KAM0N00J ,

*** SENSITIVE DISCRETE RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 497837.70 | 3633760.30 | 0.00940 | 498013.60 | 3633634.80 | 0.01276 |
| 498149.30 | 3633514.20 | 0.01457 | 498287.90 | 3633428.00 | 0.01772 |
| 498451.00 | 3633446.90 | 0.01861 | 498600.40 | 3633509.50 | 0.02081 |
| 498735.70 | 3633586.50 | 0.02051 | 498909.10 | 3633664.00 | 0.02221 |
| 498935.60 | 3633756.00 | 0.01992 | 499003.30 | 3633871.50 | 0.01933 |
| 499469.50 | 3633945.20 | 0.01773 | 499637.10 | 3633996.10 | 0.01068 |
| 499714.80 | 3633997.50 | 0.00783 | 499799.20 | 3633656.70 | 0.00769 |
| 499769.30 | 3633604.10 | 0.00811 | 499470.30 | 3633308.40 | 0.00619 |
| 498972.10 | 3633021.20 | 0.00233 | 498147.00 | 3633070.00 | 0.00310 |
| 497772.00 | 3633329.70 | 0.00621 | 498732.60 | 3634298.30 | 0.00416 |
| 498720.10 | 3633996.30 | 0.00869 | | | |



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 1 YEARS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

| GROUP ID | AVERAGE CONC | RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) | OF TYPE | NETWORK GRID-ID |
|---|---|---|---|---|
| ALL | 1ST HIGHEST VALUE IS | 0.02232 AT ( 498870.00, 3633633.20, 1.50, 0.00, 0.00) | DC | |
| | 2ND HIGHEST VALUE IS | 0.02221 AT ( 498909.10, 3633664.00, 1.50, 0.00, 0.00) | SR | |
| | 3RD HIGHEST VALUE IS | 0.02211 AT ( 498770.00, 3633583.20, 1.50, 0.00, 0.00) | DC | |
| | 4TH HIGHEST VALUE IS | 0.02192 AT ( 498920.00, 3633683.20, 1.50, 0.00, 0.00) | DC | |
| | 5TH HIGHEST VALUE IS | 0.02081 AT ( 498600.40, 3633509.50, 1.50, 0.00, 0.00) | SR | |
| | 6TH HIGHEST VALUE IS | 0.02051 AT ( 498735.70, 3633586.50, 1.50, 0.00, 0.00) | SR | |
| | 7TH HIGHEST VALUE IS | 0.02035 AT ( 498820.00, 3633633.20, 1.50, 0.00, 0.00) | DC | |
| | 8TH HIGHEST VALUE IS | 0.02019 AT ( 498720.00, 3633583.20, 1.50, 0.00, 0.00) | DC | |
| | 9TH HIGHEST VALUE IS | 0.01998 AT ( 498920.00, 3633733.20, 1.50, 0.00, 0.00) | DC | |
| | 10TH HIGHEST VALUE IS | 0.01995 AT ( 498620.00, 3633533.20, 1.50, 0.00, 0.00) | DC | |

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



*** MODELOPTs: RegDFAULT CONC ELEV DRYDPLT RURAL

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

--------- Summary of Total Messages --------

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 537 Informational Message(s)

A Total of 8784 Hours Were Processed

A Total of 438 Calm Hours Identified

A Total of 99 Missing Hours Identified ( 1.13 Percent)

******** FATAL ERROR MESSAGES ********
*** NONE ***

******** WARNING MESSAGES ********
MX W403 6 PFLCNV: Turbulence data is being used w/o ADJ_U* option SigA Data
MX W403 7 PFLCNV: Turbulence data is being used w/o ADJ_U* option SigA Data
MX W403 8 PFLCNV: Turbulence data is being used w/o ADJ_U* option SigA Data
MX W403 9 PFLCNV: Turbulence data is being used w/o ADJ_U* option SigA Data

```
**********************************
*** AERMOD Finishes Successfully ***
**********************************
```

# **ATTACHMENT F**

Cancer Risk Calculations for Each Receptor – Unmitigated

**Air Quality Health Risk Calculations**
**Carlton Oaks - R1 - Unmitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.07597** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.07597 | 0.07597 | 0.07597 | 0.07597 | 0.07597 | 0.07597 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00002633 | 0.00007950 | 0.00006279 | 0.00005433 | 0.00002443 | 0.00002115 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 1.03432E-06 | 2.49841E-05 | 4.27415E-06 | 0 | 0 | 0 |
| per million | 1.0343 | 24.9841 | 4.2742 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million - Construction Duration | 30.29 | | | | | |

**Air Quality Health Risk Calculations**
**Carlton Oaks - R2 - Unmitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.10332** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.10332 | 0.10332 | 0.10332 | 0.10332 | 0.10332 | 0.10332 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00003581 | 0.00010811 | 0.00008540 | 0.00007389 | 0.00003323 | 0.00002876 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 1.40669E-06 | 3.39787E-05 | 5.81289E-06 | 0 | 0 | 0 |
| per million | 1.4067 | 33.9787 | 5.8129 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 41.20 | | | | | |

**Air Quality Health Risk Calculations**
**Carlton Oaks - R3 - Unmitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.11795** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.11795 | 0.11795 | 0.11795 | 0.11795 | 0.11795 | 0.11795 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00004088 | 0.00012342 | 0.00009749 | 0.00008436 | 0.00003793 | 0.00003284 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 1.60587E-06 | 3.879E-05 | 6.63599E-06 | 0 | 0 | 0 |
| per million | 1.6059 | 38.7900 | 6.6360 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 47.03 | | | | | |

**Air Quality Health Risk Calculations**
**Carlton Oaks - R4 - Unmitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.14336** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 | | | | | | |
| Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.14336 | 0.14336 | 0.14336 | 0.14336 | 0.14336 | 0.14336 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00004968 | 0.00015001 | 0.00011850 | 0.00010253 | 0.00004610 | 0.00003991 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 1.95183E-06 | 4.71466E-05 | 8.06559E-06 | 0 | 0 | 0 |
| per million | 1.9518 | 47.1466 | 8.0656 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 57.16 | | | | | |

**Air Quality Health Risk Calculations**
**Carlton Oaks - R5 - Unmitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.14967** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.14967 | 0.14967 | 0.14967 | 0.14967 | 0.14967 | 0.14967 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00005187 | 0.00015661 | 0.00012371 | 0.00010704 | 0.00004813 | 0.00004167 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 2.03774E-06 | 4.92218E-05 | 8.4206E-06 | 0 | 0 | 0 |
| per million | 2.0377 | 49.2218 | 8.4206 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 59.68 | | | | | |

**Air Quality Health Risk Calculations**
**Carlton Oaks - R6 - Unmitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.16656** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.16656 | 0.16656 | 0.16656 | 0.16656 | 0.16656 | 0.16656 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00005772 | 0.00017429 | 0.00013767 | 0.00011912 | 0.00005357 | 0.00004637 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 2.26769E-06 | 5.47763E-05 | 9.37084E-06 | 0 | 0 | 0 |
| per million | 2.2677 | 54.7763 | 9.3708 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 66.41 | | | | | |

**Air Quality Health Risk Calculations**
**Carlton Oaks - R7 - Unmitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.16259** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.16259 | 0.16259 | 0.16259 | 0.16259 | 0.16259 | 0.16259 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00005635 | 0.00017013 | 0.00013439 | 0.00011628 | 0.00005229 | 0.00004527 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 2.21364E-06 | 5.34707E-05 | 9.14749E-06 | 0 | 0 | 0 |
| per million | 2.2136 | 53.4707 | 9.1475 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 64.83 | | | | | |

**Air Quality Health Risk Calculations**
**Carlton Oaks - R8 - Unmitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.17257** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.17257 | 0.17257 | 0.17257 | 0.17257 | 0.17257 | 0.17257 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00005981 | 0.00018058 | 0.00014264 | 0.00012342 | 0.00005550 | 0.00004804 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 2.34952E-06 | 5.67528E-05 | 9.70897E-06 | 0 | 0 | 0 |
| per million | 2.3495 | 56.7528 | 9.7090 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 68.81 | | | | | |

**Air Quality Health Risk Calculations**
**Carlton Oaks - R9 - Unmitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.15374** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.15374 | 0.15374 | 0.15374 | 0.15374 | 0.15374 | 0.15374 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00005328 | 0.00016087 | 0.00012708 | 0.00010995 | 0.00004944 | 0.00004280 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 2.09315E-06 | 5.05603E-05 | 8.64958E-06 | 0 | 0 | 0 |
| per million | 2.0931 | 50.5603 | 8.6496 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 61.30 | | | | | |

**Air Quality Health Risk Calculations**
**Carlton Oaks - R10 - Unmitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.14687** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.14687 | 0.14687 | 0.14687 | 0.14687 | 0.14687 | 0.14687 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00005090 | 0.00015368 | 0.00012140 | 0.00010504 | 0.00004723 | 0.00004089 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 1.99961E-06 | 4.83009E-05 | 8.26306E-06 | 0 | 0 | 0 |
| per million | 1.9996 | 48.3009 | 8.2631 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 58.56 | | | | | |

**Air Quality Health Risk Calculations**
**Carlton Oaks - R11 - Unmitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.13828** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.13828 | 0.13828 | 0.13828 | 0.13828 | 0.13828 | 0.13828 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00004792 | 0.00014470 | 0.00011430 | 0.00009890 | 0.00004447 | 0.00003850 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 1.88266E-06 | 4.54759E-05 | 7.77978E-06 | 0 | 0 | 0 |
| per million | 1.8827 | 45.4759 | 7.7798 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 55.14 | | | | | |

**Air Quality Health Risk Calculations**
**Carlton Oaks - R12 - Unmitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.08453** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.08453 | 0.08453 | 0.08453 | 0.08453 | 0.08453 | 0.08453 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00002929 | 0.00008845 | 0.00006987 | 0.00006046 | 0.00002718 | 0.00002353 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 1.15086E-06 | 2.77993E-05 | 4.75575E-06 | 0 | 0 | 0 |
| per million | 1.1509 | 27.7993 | 4.7557 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 33.71 | | | | | |

**Air Quality Health Risk Calculations**
**Carlton Oaks - R13 - Unmitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.06234** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.06234 | 0.06234 | 0.06234 | 0.06234 | 0.06234 | 0.06234 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00002160 | 0.00006523 | 0.00005153 | 0.00004459 | 0.00002005 | 0.00001736 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 8.4875E-07 | 2.05017E-05 | 3.50732E-06 | 0 | 0 | 0 |
| per million | 0.8488 | 20.5017 | 3.5073 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 24.86 | | | | | |

**Air Quality Health Risk Calculations**
**Carlton Oaks - R14 - Unmitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.06339** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.06339 | 0.06339 | 0.06339 | 0.06339 | 0.06339 | 0.06339 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00002197 | 0.00006633 | 0.00005240 | 0.00004534 | 0.00002039 | 0.00001765 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 8.63046E-07 | 2.0847E-05 | 3.56639E-06 | 0 | 0 | 0 |
| per million | 0.8630 | 20.8470 | 3.5664 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 25.28 | | | | | |

**Air Quality Health Risk Calculations**
**Carlton Oaks - R15 - Unmitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.06693** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.06693 | 0.06693 | 0.06693 | 0.06693 | 0.06693 | 0.06693 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00002320 | 0.00007004 | 0.00005532 | 0.00004787 | 0.00002152 | 0.00001863 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 9.11242E-07 | 2.20112E-05 | 3.76555E-06 | 0 | 0 | 0 |
| per million | 0.9112 | 22.0112 | 3.7656 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 26.69 | | | | | |

**Air Quality Health Risk Calculations**
**Carlton Oaks - R16 - Unmitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.05075** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.05075 | 0.05075 | 0.05075 | 0.05075 | 0.05075 | 0.05075 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00001759 | 0.00005310 | 0.00004195 | 0.00003630 | 0.00001632 | 0.00001413 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 6.90954E-07 | 1.66901E-05 | 2.85525E-06 | 0 | 0 | 0 |
| per million | 0.6910 | 16.6901 | 2.8552 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 20.24 | | | | | |

**Air Quality Health Risk Calculations**
**Carlton Oaks - R17 - Unmitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.01866** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.01866 | 0.01866 | 0.01866 | 0.01866 | 0.01866 | 0.01866 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00000647 | 0.00001953 | 0.00001542 | 0.00001335 | 0.00000600 | 0.00000519 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 2.54053E-07 | 6.13669E-06 | 1.04983E-06 | 0 | 0 | 0 |
| per million | 0.2541 | 6.1367 | 1.0498 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 7.44 | | | | | |

**Air Quality Health Risk Calculations**
**Carlton Oaks - R18 - Unmitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.02504** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.02504 | 0.02504 | 0.02504 | 0.02504 | 0.02504 | 0.02504 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00000868 | 0.00002620 | 0.00002070 | 0.00001791 | 0.00000805 | 0.00000697 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 3.40916E-07 | 8.23487E-06 | 1.40878E-06 | 0 | 0 | 0 |
| per million | 0.3409 | 8.2349 | 1.4088 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 9.98 | | | | | |

**Air Quality Health Risk Calculations**
**Carlton Oaks - R19 - Unmitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.05028** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.05028 | 0.05028 | 0.05028 | 0.05028 | 0.05028 | 0.05028 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00001743 | 0.00005261 | 0.00004156 | 0.00003596 | 0.00001617 | 0.00001400 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 6.84555E-07 | 1.65355E-05 | 2.82881E-06 | 0 | 0 | 0 |
| per million | 0.6846 | 16.5355 | 2.8288 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 20.05 | | | | | |

**Air Quality Health Risk Calculations**
**Carlton Oaks - HighSchool R20 - Unmitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.03279** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.03279 | 0.03279 | 0.03279 | 0.03279 | 0.03279 | 0.03279 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00001136 | 0.00003431 | 0.00002710 | 0.00002345 | 0.00001055 | 0.00000913 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 4.46431E-07 | 1.07836E-05 | 1.8448E-06 | 0 | 0 | 0 |
| per million | 0.4464 | 10.7836 | 1.8448 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 13.07 | | | | | |

**Air Quality Health Risk Calculations**

**Carlton Oaks - Elementary School R21 - Unmitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.06793** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.06793 | 0.06793 | 0.06793 | 0.06793 | 0.06793 | 0.06793 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00002354 | 0.00007108 | 0.00005615 | 0.00004858 | 0.00002185 | 0.00001891 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 9.24857E-07 | 2.234E-05 | 3.82181E-06 | 0 | 0 | 0 |
| per million | 0.9249 | 22.3400 | 3.8218 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 27.09 | | | | | |

# **ATTACHMENT G**

Cancer Risk Calculations for Each Receptor – Mitigated

**Air Quality Health Risk Calculations**
**Carlton Oaks - R1 - Mitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.0094** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.0094 | 0.0094 | 0.0094 | 0.0094 | 0.0094 | 0.0094 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00000326 | 0.00000984 | 0.00000777 | 0.00000672 | 0.00000302 | 0.00000262 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 1.2798E-07 | 3.09136E-06 | 5.28854E-07 | 0 | 0 | 0 |
| per million | 0.1280 | 3.0914 | 0.5289 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million - Construction Duration | 3.75 | | | | | |

**Air Quality Health Risk Calculations**
**Carlton Oaks - R2 - Mitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.01276** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.01276 | 0.01276 | 0.01276 | 0.01276 | 0.01276 | 0.01276 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00000442 | 0.00001335 | 0.00001055 | 0.00000913 | 0.00000410 | 0.00000355 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 1.73726E-07 | 4.19636E-06 | 7.17891E-07 | 0 | 0 | 0 |
| per million | 0.1737 | 4.1964 | 0.7179 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 5.09 | | | | | |

**Air Quality Health Risk Calculations**
**Carlton Oaks - R3 - Mitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.01457** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.01457 | 0.01457 | 0.01457 | 0.01457 | 0.01457 | 0.01457 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00000505 | 0.00001525 | 0.00001204 | 0.00001042 | 0.00000469 | 0.00000406 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 1.98368E-07 | 4.79162E-06 | 8.19724E-07 | 0 | 0 | 0 |
| per million | 0.1984 | 4.7916 | 0.8197 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 5.81 | | | | | |

**Air Quality Health Risk Calculations**
**Carlton Oaks - R4 - Mitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.01772** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 | | | | | | |
| Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.01772 | 0.01772 | 0.01772 | 0.01772 | 0.01772 | 0.01772 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00000614 | 0.00001854 | 0.00001465 | 0.00001267 | 0.00000570 | 0.00000493 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 2.41255E-07 | 5.82755E-06 | 9.96946E-07 | 0 | 0 | 0 |
| per million | 0.2413 | 5.8276 | 0.9969 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 7.07 | | | | | |

**Air Quality Health Risk Calculations**
**Carlton Oaks - R5 - Mitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.01861** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.01861 | 0.01861 | 0.01861 | 0.01861 | 0.01861 | 0.01861 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00000645 | 0.00001947 | 0.00001538 | 0.00001331 | 0.00000598 | 0.00000518 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 2.53372E-07 | 6.12024E-06 | 1.04702E-06 | 0 | 0 | 0 |
| per million | 0.2534 | 6.1202 | 1.0470 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 7.42 | | | | | |

**Air Quality Health Risk Calculations**
**Carlton Oaks - R6 - Mitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.02081** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.02081 | 0.02081 | 0.02081 | 0.02081 | 0.02081 | 0.02081 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00000721 | 0.00002178 | 0.00001720 | 0.00001488 | 0.00000669 | 0.00000579 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 2.83325E-07 | 6.84375E-06 | 1.17079E-06 | 0 | 0 | 0 |
| per million | 0.2833 | 6.8438 | 1.1708 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 8.30 | | | | | |

**Air Quality Health Risk Calculations**
**Carlton Oaks - R7 - Mitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.02051** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.02051 | 0.02051 | 0.02051 | 0.02051 | 0.02051 | 0.02051 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00000711 | 0.00002146 | 0.00001695 | 0.00001467 | 0.00000660 | 0.00000571 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 2.79241E-07 | 6.74509E-06 | 1.15391E-06 | 0 | 0 | 0 |
| per million | 0.2792 | 6.7451 | 1.1539 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 8.18 | | | | | |

**Air Quality Health Risk Calculations**
**Carlton Oaks - R8 - Mitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.02221** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.02221 | 0.02221 | 0.02221 | 0.02221 | 0.02221 | 0.02221 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00000770 | 0.00002324 | 0.00001836 | 0.00001588 | 0.00000714 | 0.00000618 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 3.02386E-07 | 7.30417E-06 | 1.24956E-06 | 0 | 0 | 0 |
| per million | 0.3024 | 7.3042 | 1.2496 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 8.86 | | | | | |

**Air Quality Health Risk Calculations**
**Carlton Oaks - R9 - Mitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.01992** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.01992 | 0.01992 | 0.01992 | 0.01992 | 0.01992 | 0.01992 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00000690 | 0.00002084 | 0.00001647 | 0.00001425 | 0.00000641 | 0.00000555 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 2.71208E-07 | 6.55106E-06 | 1.12072E-06 | 0 | 0 | 0 |
| per million | 0.2712 | 6.5511 | 1.1207 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 7.94 | | | | | |

**Air Quality Health Risk Calculations**
**Carlton Oaks - R10 - Mitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.01933** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.01933 | 0.01933 | 0.01933 | 0.01933 | 0.01933 | 0.01933 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00000670 | 0.00002023 | 0.00001598 | 0.00001382 | 0.00000622 | 0.00000538 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 2.63175E-07 | 6.35703E-06 | 1.08753E-06 | 0 | 0 | 0 |
| per million | 0.2632 | 6.3570 | 1.0875 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 7.71 | | | | | |

**Air Quality Health Risk Calculations**
**Carlton Oaks - R11 - Mitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.01773** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.01773 | 0.01773 | 0.01773 | 0.01773 | 0.01773 | 0.01773 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00000614 | 0.00001855 | 0.00001465 | 0.00001268 | 0.00000570 | 0.00000494 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 2.41391E-07 | 5.83084E-06 | 9.97509E-07 | 0 | 0 | 0 |
| per million | 0.2414 | 5.8308 | 0.9975 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 7.07 | | | | | |

**Air Quality Health Risk Calculations**
**Carlton Oaks - R12 - Mitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.01068** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.01068 | 0.01068 | 0.01068 | 0.01068 | 0.01068 | 0.01068 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00000370 | 0.00001118 | 0.00000883 | 0.00000764 | 0.00000343 | 0.00000297 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 1.45407E-07 | 3.51232E-06 | 6.00868E-07 | 0 | 0 | 0 |
| per million | 0.1454 | 3.5123 | 0.6009 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 4.26 | | | | | |

**Air Quality Health Risk Calculations**
**Carlton Oaks - R13 - Mitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.00783** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.00783 | 0.00783 | 0.00783 | 0.00783 | 0.00783 | 0.00783 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00000271 | 0.00000819 | 0.00000647 | 0.00000560 | 0.00000252 | 0.00000218 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 1.06604E-07 | 2.57504E-06 | 4.40524E-07 | 0 | 0 | 0 |
| per million | 0.1066 | 2.5750 | 0.4405 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 3.12 | | | | | |

**Air Quality Health Risk Calculations**
**Carlton Oaks - R14 - Mitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.00769** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.00769 | 0.00769 | 0.00769 | 0.00769 | 0.00769 | 0.00769 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00000267 | 0.00000805 | 0.00000636 | 0.00000550 | 0.00000247 | 0.00000214 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 1.04698E-07 | 2.529E-06 | 4.32648E-07 | 0 | 0 | 0 |
| per million | 0.1047 | 2.5290 | 0.4326 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 3.07 | | | | | |

**Air Quality Health Risk Calculations**
**Carlton Oaks - R15 - Mitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.00811** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.00811 | 0.00811 | 0.00811 | 0.00811 | 0.00811 | 0.00811 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00000281 | 0.00000849 | 0.00000670 | 0.00000580 | 0.00000261 | 0.00000226 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 1.10416E-07 | 2.66712E-06 | 4.56277E-07 | 0 | 0 | 0 |
| per million | 0.1104 | 2.6671 | 0.4563 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 3.23 | | | | | |

**Air Quality Health Risk Calculations**
**Carlton Oaks - R16 - Mitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.00619** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.00619 | 0.00619 | 0.00619 | 0.00619 | 0.00619 | 0.00619 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00000215 | 0.00000648 | 0.00000512 | 0.00000443 | 0.00000199 | 0.00000172 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 8.4276E-08 | 2.0357E-06 | 3.48256E-07 | 0 | 0 | 0 |
| per million | 0.0843 | 2.0357 | 0.3483 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 2.47 | | | | | |

**Air Quality Health Risk Calculations**
**Carlton Oaks - R17 - Mitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.00233** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.00233 | 0.00233 | 0.00233 | 0.00233 | 0.00233 | 0.00233 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00000081 | 0.00000244 | 0.00000193 | 0.00000167 | 0.00000075 | 0.00000065 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 3.17226E-08 | 7.66264E-07 | 1.31088E-07 | 0 | 0 | 0 |
| per million | 0.0317 | 0.7663 | 0.1311 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 0.93 | | | | | |

**Air Quality Health Risk Calculations**
**Carlton Oaks - R18 - Mitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.0031** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.0031 | 0.0031 | 0.0031 | 0.0031 | 0.0031 | 0.0031 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00000107 | 0.00000324 | 0.00000256 | 0.00000222 | 0.00000100 | 0.00000086 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 4.22061E-08 | 1.01949E-06 | 1.74409E-07 | 0 | 0 | 0 |
| per million | 0.0422 | 1.0195 | 0.1744 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 1.24 | | | | | |

**Air Quality Health Risk Calculations**
**Carlton Oaks - R19 - Mitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.00621** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.00621 | 0.00621 | 0.00621 | 0.00621 | 0.00621 | 0.00621 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00000215 | 0.00000650 | 0.00000513 | 0.00000444 | 0.00000200 | 0.00000173 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 8.45483E-08 | 2.04227E-06 | 3.49381E-07 | 0 | 0 | 0 |
| per million | 0.0845 | 2.0423 | 0.3494 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 2.48 | | | | | |

**Air Quality Health Risk Calculations**

**Carlton Oaks - HighSchool R20 - Mitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.00416** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.00416 | 0.00416 | 0.00416 | 0.00416 | 0.00416 | 0.00416 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00000144 | 0.00000435 | 0.00000344 | 0.00000298 | 0.00000134 | 0.00000116 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 5.66378E-08 | 1.36809E-06 | 2.34046E-07 | 0 | 0 | 0 |
| per million | 0.0566 | 1.3681 | 0.2340 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 1.66 | | | | | |

**Air Quality Health Risk Calculations**

**Carlton Oaks - Elementary School R21 - Mitigated**

| | | | | | | |
|---|---|---|---|---|---|---|
| | Annual Concentration (µg/m3 ) | **0.00869** | | **Construction Start** | **8/4/2025** | |
| | | | | **Construction Stop** | **1/12/2029** | |
| | | | | **Construction Duration (Days)** | **1257** | |
| Based on Risk Assessment Guidelines - Guidance Manual for Preparation of Health Risk Assessments - February 2015 Unit Risk Factors (https://oehha.ca.gov/media/CPFs042909.pdf) | | | | | | |
| Duration (Years) | 3.443835616 | Years | | | | |
| Age of Person Exposed (Years) | 3rd Trimester (0.25) | 0-2 | 2-9 | 2-16 | 16-30 | 16-70 |
| Cair (annual) | 0.00869 | 0.00869 | 0.00869 | 0.00869 | 0.00869 | 0.00869 |
| Breathing Rate per agegroup BR/BW | 361 | 1090 | 861 | 745 | 335 | 290 |
| A (Default is 1) | 1 | 1 | 1 | 1 | 1 | 1 |
| Exposure Frequency = EF (days/365days) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| 10^-6 Microgram to Milligram / liters to m3 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 | 0.000001 |
| Dose-inh | 0.00000301 | 0.00000909 | 0.00000718 | 0.00000622 | 0.00000279 | 0.00000242 |
| potency factor for Diesel | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Age Sensitivity Factor | 10 | 10 | 3 | 3 | 1 | 1 |
| ED | 0.25 | 2 | 1.443835616 | 0 | 0 | 0 |
| AT | 70 | 70 | 70 | 70 | 70 | 70 |
| FAH | 1 | 1 | 1 | 0.72 | 0.73 | 0.73 |
| Risk for Each Age Group | 1.18313E-07 | 2.85787E-06 | 4.88909E-07 | 0 | 0 | 0 |
| per million | 0.1183 | 2.8579 | 0.4889 | 0.0000 | 0.0000 | 0.0000 |
| Cancer Risk Per Million 9-years | 3.47 | | | | | |