

**Appendix A:
Air Quality, Greenhouse Gas Emissions, and Energy Supporting
Information**

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Air Quality, Greenhouse Gas Emissions, and Energy Analysis Report Acacia Pointe Residential Project City of Perris, San Bernardino County, California

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Date: April 26, 2024

PROJECT SUMMARY

Site Location

The project site is located in the City of Perris, in Riverside County, California (Exhibit 1). The City of Perris is located in the western portion of Riverside County and is bordered by the City of Moreno Valley to the north, the communities of Lakeview and Nuevo to the east, the City of Menifee to the south, and the community of Mead Valley and unincorporated Riverside County to the west. Regional access would be provided by Interstate 215 (I-215) and State Route (SR) 74. Local access would be provided via East Nuevo Road, Wilson Avenue, and Redlands Avenue (Exhibit 2).

The project site is located at the southeastern corner of East Nuevo Road and Wilson Avenue on 42 parcels corresponding to Assessor's Parcel Numbers (APNs) 311-161-001, -002, -003, -004, -005, -006, -007, -008, -009, -010, -011, -012, -013, -014, -015, -016, -017, -018, -019, -020, -021, -022, -023, -024, -025, -026, -027, -028, -029, -030, -031, -032, -033, -034, -035, and 311-162-001, -002, -003, -004, -005, -006, -007, -008, -009, -010, -011, -012, -013, -014, -015, -016, -017, -018, -019, -020, -021, and -022 (Exhibit 2). The project site is located on the *Perris, California* United States Geological Survey (USGS) 7.5-minute Topographic Quadrangle Map.

Project Description

D.R. Horton Los Angeles Company (project applicant) proposes to subdivide the 11.62-acre project site to construct 141 townhome-style condominiums ranging in size from 1,600 square feet to 1,652 square feet over a total building area of 229,042 square feet. Amenities on the site would include a central area with pickleball courts, a tot lot, a pool and pool house, and open space (Exhibit 3). Additional open space areas would be located throughout the project site including approximately 65,000 square feet of common open space and 35,500 square feet of private open space. The project site would include four split face block walls measuring 6 feet tall on each corner of the site, along with four tubular steel fences measuring 24 feet tall along the outer edges of the site. The proposed project would have a density of 12.13 dwelling units per acre (du/ac). and would include 2.7 acres of paved road and alley ways providing internal circulation.

Site Access, Circulation, and Parking

Access to the project site would be provided via two gated driveways allowing for both ingress and egress to the project site along Wilson Avenue. One driveway would be 40 feet wide, separated by 10-foot-wide median islands. The second driveway would be 24 feet wide and restricted with gate access. Internal drive aisles would be 36 feet wide to allow for emergency access and circulation.

The proposed project would provide a total of 366 parking spaces, for a total of 2.57 parking spaces per condominium. This would include 282 garage spaces and 84 guest parking spaces (74 standard spaces, seven compact spaces, and three handicap spaces.)

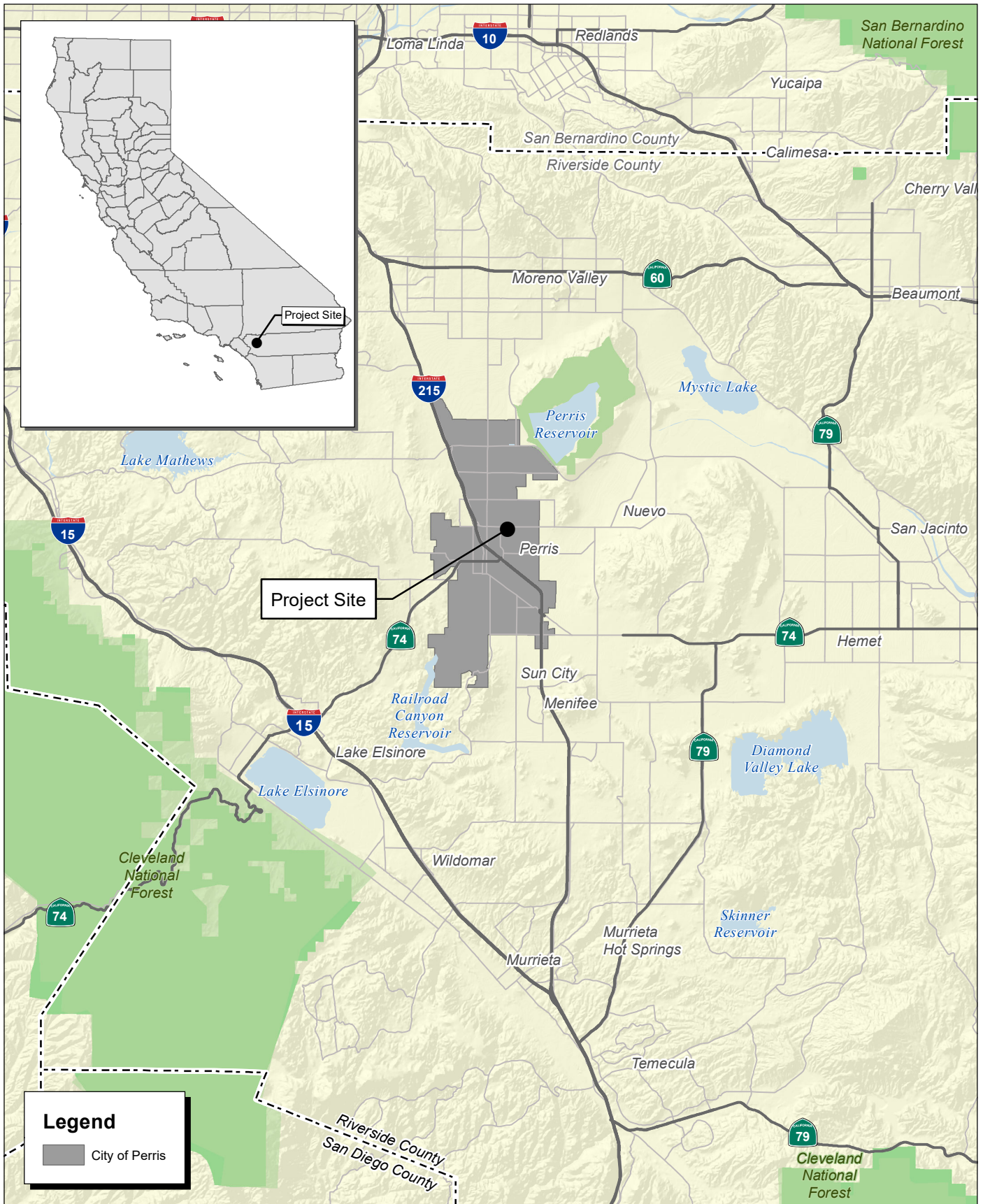
Off-site Improvements

Off-site improvements for the proposed project would include improvements along Wilson Avenue and East Nuevo Road along the project frontages and adjacent areas, for a total of approximately 2.02 acres of off-site improvements.

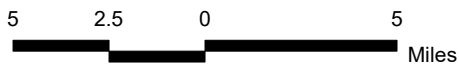
East Nuevo Road from Wilson Avenue to the eastern project boundary would be improved to provide 54 feet of asphaltic concrete paving, an 8-inch curb and gutter, and a 17-foot-wide parkway consisting of a Class I Shared Use Path Trail and streetlights. The property's westerly frontage would be improved to provide for a 34-foot-wide half-width asphaltic concrete paving curb and gutter 22 feet east of centerline, a 6-foot-wide sidewalk, and streetlights. Other existing pavements along the property frontages would be removed and replaced if determined to be substandard by the City's Engineer.

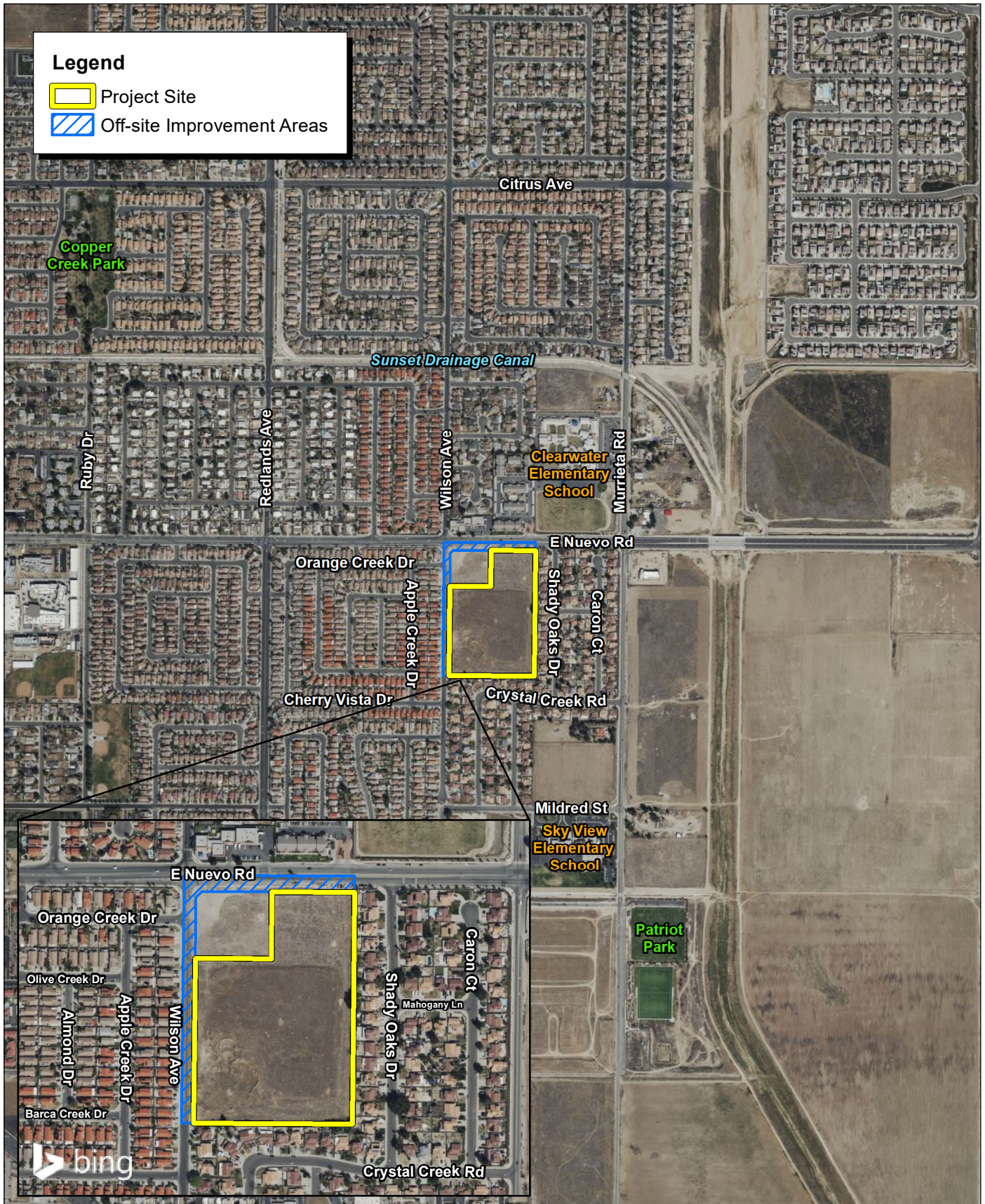
The existing power lines along Wilson Avenue and East Nuevo Road along the property's western and northern frontages would be removed and electrical cables and communication cables would be underground.

In addition, the proposed project would include a concrete channel at an off-site property to the northwest of the project site to collect stormwater runoff.



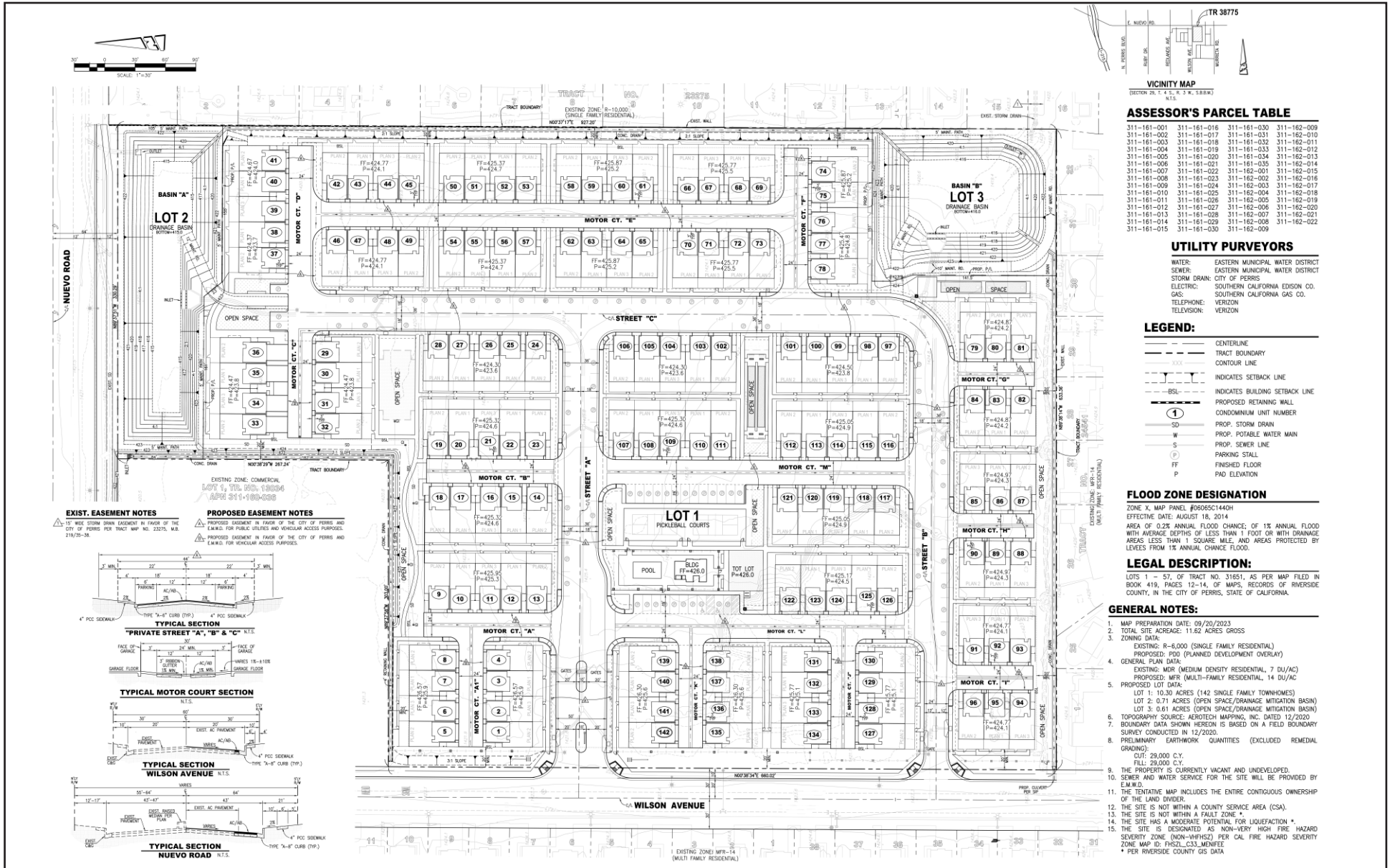
Source: Census 2000 Data, The California Spatial Information Library (CaSIL).





Source: Bing Aerial Imagery. D.R. Horton 10/25/2023.





Source: SPT2 & Co., 09/26/2023.

SETTING AND REGULATORY FRAMEWORK

Air Quality Regulatory Framework

Air pollutants are regulated at the national, State, and air basin or county level; each agency has a different level of regulatory responsibility. The United States Environmental Protection Agency (EPA) regulates at the national level, and the California Air Resources Board (ARB) regulates at the State level. The proposed project site is located within the City of Perris, in Riverside County, which is within the South Coast Air Basin (SoCAB). The SoCAB includes all of Orange County, Los Angeles County (except for the Antelope Valley), the non-desert portion of western San Bernardino County, and the western and Coachella Valley portions of Riverside County. The San Gabriel, San Bernardino, and San Jacinto Mountains bound the SoCAB on the north and east while the Pacific Ocean lies to the west of the SoCAB. The southern limit of the SoCAB is the San Diego County line. The SoCAB is under the jurisdiction of South Coast Air Quality Management District (SCAQMD).

The air pollutants for which national and State standards have been promulgated and that are most relevant to air quality planning and regulation in the SoCAB include ozone, nitrogen oxide (NO_x), carbon monoxide (CO), particulate matter, including dust, 10 micrometers or less in diameter (PM₁₀), and particulate matter, including dust, 2.5 micrometers or less in diameter (PM_{2.5}). In addition, toxic air contaminants (TACs) are of concern in the SoCAB. Each of these pollutants is briefly described below. Other pollutants that are regulated but not considered an issue in the project area are sulfur dioxide, vinyl chloride, sulfates, hydrogen sulfide, and lead; the proposed project would not emit substantial quantities of those pollutants, so they are not discussed further in this report.

- Ozone is a gas that is formed when reactive organic gases (ROG), also known as volatile organic compounds (VOC), and NO_x—both byproducts of internal combustion engine exhaust—undergo slow photochemical reactions in the presence of sunlight. Ozone concentrations are generally highest during the summer months when direct sunlight, light wind, and warm temperature conditions are conducive to its formation. Its effects can include the following: irritate respiratory system; reduce lung function; cause breathing pattern changes; reduce breathing capacity; inflame and damage cells that line the lungs; make lungs more susceptible to infection; aggravate asthma; aggravate other chronic lung diseases; cause permanent lung damage; cause some immunological changes; increase mortality risk; and cause vegetation and property damage.
- CO is a colorless, odorless gas produced by the incomplete combustion of fuels. CO concentrations tend to be the highest during winter mornings, with little to no wind, when surface-based inversions trap the pollutant at ground levels. Because CO is emitted directly from internal combustion engines—unlike ozone—and motor vehicles operating at slow speeds are the primary source of CO in the SoCAB, the highest ambient CO concentrations are generally found near congested transportation corridors and intersections. Potential health effects from CO ranges depending on exposure: slight headaches; nausea; aggravation of angina pectoris (chest pain) and other aspects of coronary heart disease; decreased exercise tolerance in persons with peripheral vascular disease and lung disease; impairment of central nervous system functions; possible increased risk to fetuses; and death.

- PM₁₀ and PM_{2.5} consist of extremely small, suspended particles or droplets 10 microns and 2.5 microns or smaller in diameter, respectively. Some sources of particulate matter, like pollen and windstorms, are naturally occurring. However, in populated areas, most particulate matter is caused by road dust, diesel soot, combustion products, abrasion of tires and brakes, and construction activities. Health effects from short-term exposure (hours per days) can include the following: irritation of the eyes, nose, throat; coughing; phlegm; chest tightness; shortness of breath; aggravation of existing lung disease causing asthma attacks and acute bronchitis; those affected with heart disease can suffer heart attacks and arrhythmias. Health effects from long-term exposure can include the following: reduced lung function; chronic bronchitis; changes in lung morphology; and death.
- TACs refer to a diverse group of air pollutants that can affect human health but have not had ambient air quality standards established for them. Diesel particulate matter (DPM) is a toxic air contaminant that is emitted from construction equipment and diesel-fueled vehicles and trucks. Some short-term (acute) effects of DPM exposure include eye, nose, throat, and lung irritation, coughs, headaches, light-headedness, and nausea. Studies have linked elevated particle levels in the air to increased hospital admissions, emergency room visits, asthma attacks, and premature deaths among those suffering from respiratory problems. Human studies on the carcinogenicity of DPM demonstrate an increased risk of lung cancer, although the increased risk cannot be clearly attributed to diesel exhaust exposure.

The EPA and the ARB designate air basins, or specific areas within an air basin, as “nonattainment” where ambient air quality standards are exceeded. If standards are met, the area is designated as “attainment.” If there is inadequate or inconclusive data to make a definitive attainment designation, they are considered “unclassified.” National nonattainment areas are further designated as marginal, moderate, serious, severe, or extreme as a function of deviation from standards.

With respect to the California Ambient Air Quality Standards (CAAQS), the Riverside County portion of the SoCAB is nonattainment for ozone, PM₁₀, and PM_{2.5} and attainment or unclassified for all other pollutants. With respect to the National Ambient Air Quality Standards (NAAQS), the Riverside County portion of the SoCAB is nonattainment for ozone and PM_{2.5} and attainment or unclassified for all other pollutants.¹

In addition to regulating criteria pollutants for attainment of State and federal standards. ARB and the SCAQMD regulate and control emissions of TACs to further protect human health. As previously noted, TACs are a class of pollutants that includes hundreds of chemicals hazardous to human health. Long-term exposure to TACs may cause more severe health effects such as neurological damage, hormone disruption, developmental defects, and cancer. TAC emissions are highly localized and are emitted from mobile sources such as cars, trucks, and marine and rail sources as well as from stationary and area sources. The ARB and SCAQMD address their emissions via mobile source strategies, stationary source permitting requirements and health risk thresholds for new development under review in the California Environmental Quality Act (CEQA) process.

¹ South Coast Air Quality Management District (SCAQMD). 2024. Clean Air Plans. <http://www.aqmd.gov/home/air-quality/clean-air-plans>. Accessed April 19, 2024.

For CEQA, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the proposed project's significance impact determinations related to air quality from criteria pollutants and TACs.

Thresholds of Significance—Air Quality

This analysis uses the air quality significance thresholds contained in Appendix G of the CEQA Guidelines. A significant impact would occur if the proposed project would:

- a) Conflict with or obstruct implementation of the applicable air quality plan.
- b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or State ambient air quality standard.
- c) Expose sensitive receptors to substantial pollutant concentrations.
- d) Create objectionable odors affecting a substantial number of people.

While the final determination of whether a project's impact is significant is within the purview of the lead agency pursuant to Section 15064(b) of the CEQA Guidelines, the SCAQMD recommends that its quantitative air pollution thresholds be used to determine the significance of project emissions. If a lead agency finds that a proposed project has the potential to exceed these air pollution thresholds, the proposed project should be considered to have significant air quality impacts. The applicable SCAQMD thresholds and methodologies are contained under each impact statement below.

City of Perris General Plan

The applicable general plan is the City of Perris's Comprehensive General Plan 2030, which provides guidelines for local government decisions on growth, capital investment, and physical development in the City. The General Plan has the following measures adopted to reduce air quality impacts that are relevant to the proposed project:

Healthy Community (HC) Element²

Goal HC-6 Healthy Environment—Support efforts of local businesses and regional agencies to improve the health of our region's environment.

Policy HE-6.1 Support regional efforts to improve air quality through energy efficient technology, use of alternative fuels, and land use and transportation planning.

Policy HE-6.3 Promote measures that will be effective in reducing emissions during construction activities:

Perris will ensure that construction activities follow existing South Coast Air Quality Management District (SCAQMD) rules and regulations.

² City of Perris. 2022. General Plan Healthy Community Element. June 9. Website: <https://www.cityofperris.org/departments/development-services/general-plan>. Accessed April 19, 2024.

All construction equipment for public and private projects will also comply with California Air Resources Board’s vehicle standards. For projects that may exceed daily construction emissions established by the SCAQMD, Best Available Control Measures will be incorporated to reduce construction emissions to below daily emission standards established by the SCAQMD.

Project proponents will be required to prepare and implement a Construction Management Plan which will include Best Available Control Measures among others. Appropriate control measures will be determined on a project by project basis, and should be specific to the pollutant for which the daily threshold is exceeded.

Circulation Element³

Goal VII A transportation system that maintains a high level of environmental quality.

Policy VII.A Implement the Transportation System in a manner consistent with federal, State, and local environmental quality standards and regulations.

VII.A.4 Control dust and mitigate other environmental impacts during all stages of roadway construction consistent with air quality regulations and mitigation measures established in environmental documents.

Conservation Element⁴

Policy X.B Encourage the use of trees within project design to lessen energy needs, reduce the urban heat island effect, and improve air quality throughout the region.

Environmental Justice Element⁵

Goal 3.2 A community that actively works to reduce the impacts of poor air quality.

Goal 3.2 Policies Provide educational information about air quality issues and their health effects, including best practices for reducing and/or eliminating sources of indoor air pollution.

Discourage development of sensitive land uses, including schools, hospitals, homes, and elder and child care facilities, in close proximity to air pollution sources that pose health risks (e.g., freeways, airports, flood zones, and pollutant industrial sites).

Greenhouse Gas Regulatory Framework

Gases that trap heat in the atmosphere are referred to as greenhouse gases. The effect is analogous to the way a greenhouse retains heat. Common greenhouse gases (GHGs) include water vapor,

³ City of Perris. 2022. General Plan Circulation Element. Website: <https://www.cityofperris.org/departments/development-services/general-plan>. Accessed April 19, 2024.

⁴ City of Perris. 2005, Revised 2008. General Plan Conservation Element. Website: <https://www.cityofperris.org/departments/development-services/general-plan>. Accessed April 19, 2024.

⁵ City of Perris. 2022. General Plan Environmental Justice Element. January 25. Website: <https://www.cityofperris.org/home/showpublisheddocument/15026/637807115505230000>. Accessed April 22, 2024.

carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), chlorofluorocarbons, hydrofluorocarbons (HFC), perfluorocarbons (PFC), sulfur hexafluoride (SF₆), ozone, and aerosols. Natural processes and human activities emit GHGs. The presence of GHGs in the atmosphere affects the Earth's temperature. Studies have shown that emissions from human activities, such as electricity production and vehicle use, have elevated the concentration of these gases in the atmosphere beyond the level of naturally occurring concentrations.

Individual GHG compounds have varying global warming potential and atmospheric lifetimes. The global warming potential is the potential of a gas or aerosol to trap heat in the atmosphere. To describe how much global warming a given type and amount of GHG may cause, the CO₂ equivalent (CO₂e) is used. The calculation of the CO₂ equivalent is a consistent methodology for comparing GHG emissions since it normalizes various GHG emissions to a consistent reference gas, CO₂. For example, CH₄'s warming potential of 25 indicates that CH₄ has 25 times greater warming effect than CO₂ on a molecule-per-molecule basis. A CO₂ equivalent is the mass emissions of an individual GHG multiplied by its global warming potential. The GHGs defined by Assembly Bill (AB) 32 (see the Climate Change Regulatory Environment section for a description) include CO₂, CH₄, N₂O, HFC, PFC, and SF₆. A seventh GHG, nitrogen trifluoride (NF₃), was added to Health and Safety Code Section 38505(g)(7) as a GHG of concern.

California Assembly Bill 32 and Executive Order S-3-05

Assembly Bill (AB) 32, also known as the Global Warming Solutions Act, was passed in 2006 and established a goal to reduce GHG emissions to 1990 levels by 2020. Prior to the adoption of AB 32, the Governor of California also signed Executive Order S-3-05 into law, which set a long-term objective to reduce GHG emissions to 90 percent below 1990 levels by 2050. The California Environmental Protection Agency (Cal/EPA) is the State agency responsible for coordinating the GHG emissions reduction effort and establishing targets along the way.

In December 2008, the ARB approved the Climate Change Scoping Plan, which proposed a comprehensive set of actions designed to reduce California's dependence on oil, diversify energy sources, save energy, and enhance public health, among other goals. Per AB 32, the Scoping Plan must be updated every five years to evaluate the mix of AB 32 policies to ensure California is on track to achieve the 2020 GHG reduction goal. The First Update to the Scoping Plan was approved on May 22, 2014 and builds upon the Scoping Plan with new strategies and recommendations. The First Update defined the ARB's priorities over the next 5 years and lays the groundwork to reach long-term goals set forth in Executive Order S-3-05.⁶ ARB's 2022 Scoping Plan is described further below.

California Senate Bill 375

Senate Bill (SB) 375, known as the Sustainable Communities Strategy and Climate Protection Act, was signed into law in September 2008. It builds on AB 32 by requiring the ARB to develop regional GHG reduction targets to be achieved from the automobile and light truck sectors for 2020 and 2035 compared to 2005 emissions. SB 375 does the following: (1) requires Metropolitan Planning Organizations (MPOs) to include sustainable community strategies in their regional transportation

⁶ California Air Resources Board (ARB). 2014. Final 2013 Scoping Plan Update and Appendices. Website: <http://www.arb.ca.gov/cc/scopingplan/document/updatedscopingplan2013.htm>. May. Accessed April 26, 2024.

plans for reducing GHG emissions, (2) aligns planning for transportation and housing, and (3) creates specified incentives for the implementation of the strategies.

2022 ARB Scoping Plan

The 2022 Scoping Plan reaffirms and clarifies the role of local governments in achieving the State’s climate goals, particularly as it concerns the approval of new land use development projects and their environmental review under CEQA. It encourages local governments to adopt a CEQA-qualified Clean Air Plan addressing three priority areas: (1) transportation electrification, (2) Vehicle Miles Traveled (VMT) reduction, and (3) building decarbonization. By prioritizing climate action in these three priority areas, local governments can address the largest sources of GHGs within their jurisdiction. Local governments that prepare qualified Clean Air Plans that include strategies in these areas are contributing to alignment between local climate action and the State’s climate goals.

Absent consistency with an adequate, geographically specific GHG reduction plan, such as a CEQA-qualified Climate Action Plan (CAP), the Scoping Plan outlines three distinct approaches that lead agencies may consider for evaluating the consistency of proposed plans and residential and mixed-use development projects with the State’s climate goals. The approaches which may be used to evaluate whether a project may have a less than significant impact on GHG emissions include (1) assessing a project’s consistency with key project attributes that have been demonstrated to reduce operational GHG emissions while advancing fair housing, 2) adopting a Net-Zero Threshold of Significance, and (3) Recommended Thresholds of Significance developed by the applicable air district or other lead agencies.

These approaches are recommendations only and do not supplant lead agencies’ discretion to develop their own evidence-based approaches for determining whether a project would result in a potentially significant impact on GHG emissions. The ARB notes that while a net-zero threshold may be an appropriate overall objective, it may not be feasible or an appropriate metric for evaluating individual projects. For example, a net-zero target may incorrectly imply that the GHG emissions of any project that are not reduced or offset to zero would be considered potentially significant. This may lead to undue burdens and frustrate project approval processes, which may be particularly problematic for residential development in climate-smart, infill areas. A net-zero policy that prohibits or complicates projects that are needed to support the State’s climate goals, like infill development or solar arrays, is ultimately not consistent with the State’s goals.

Thresholds of Significance—Greenhouse Gas Emissions

The CEQA Guidelines define a significant effect on the environment as “a substantial, or potentially substantial, adverse change in the environment.” To determine whether a project would have a significant impact on GHGs, the type, level, and impact of emissions generated by the project must be evaluated.

The following GHG significance thresholds are contained in Appendix G of the CEQA Guidelines, which were amendments adopted into the Guidelines on March 18, 2010, pursuant to SB 97. A significant impact would occur if the proposed project would:

- Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment; or
- Conflict with any applicable plan, policy, or regulation of an agency adopted for the purpose of reducing the emissions of GHGs.

Thresholds of Significance for the Proposed Project

Section 15064.4(b) of the CEQA Guidelines 2018 amendments for GHG emissions states that a lead agency may take into account the following three considerations in assessing the significance of impacts from GHG emissions.

- **Consideration No. 1:** The extent to which the project may increase or reduce greenhouse gas emissions as compared to the existing environmental setting.
- **Consideration No. 2:** Whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project.
- **Consideration No. 3:** The extent to which the project complies with regulations or requirements adopted to implement a Statewide, regional, or local plan for the reduction or mitigation of greenhouse gas emissions. Such regulations or requirements must be adopted by the relevant public agency through a public review process and must include specific requirements that reduce or mitigate the project's incremental contribution of greenhouse gas emissions. If there is substantial evidence that the possible effects of a particular project are still cumulatively considerable notwithstanding compliance with the adopted regulations or requirements, an Environmental Impact Report (EIR) must be prepared for the project. In determining the significance of impacts, the lead agency may consider a project's consistency with the State's long-term climate goals or strategies, provided that substantial evidence supports the agency's analysis of how those goals or strategies address the project's incremental contribution to climate change and its conclusion that the project's incremental contribution is not cumulatively considerable.

SCAQMD Greenhouse Gas Thresholds

The project site is within the SoCAB, which is under the jurisdiction of the SCAQMD. The SCAQMD formed a working group to identify GHG emissions thresholds for land use projects that could be used by local lead agencies in the air basin in 2008. The working group developed several different options that are contained in the SCAQMD Draft Guidance Document—Interim CEQA GHG Significance Threshold (Interim GHG Thresholds) that could be applied by lead agencies. The working group has not provided additional guidance since the release of the interim guidance in 2008. In 2010, the SCAQMD Tier 3 threshold was expanded to include non-industrial projects, as explained in the minutes from the most recent working group meeting.⁷ The SCAQMD Board has not approved the thresholds; however, the Guidance Document provides substantial evidence supporting the approaches to significance of GHG emissions that can be considered by the lead agency in adopting its own threshold. The current interim thresholds consist of the following tiered approach:

⁷ South Coast Air Quality Management District (SCAQMD). 2010. Greenhouse Gas CEQA Threshold Stakeholder Working Group Meeting #15. September 28.

- Tier 1 consists of evaluating whether or not the project qualifies for any applicable exemption under CEQA.
- Tier 2 consists of determining whether the project is consistent with a GHG reduction plan. If a project is consistent with a qualifying local GHG reduction plan, it does not have significant GHG emissions.
- Tier 3 consists of screening values, which the lead agency can choose, but must be consistent with all projects within its jurisdiction. A project's construction emissions are averaged over 30 years and are added to the project's operational emissions. If a project's emissions are below one of the following screening thresholds, then the project is less than significant:
 - All land use types: 3,000 MT CO₂e per year.
 - Based on land use type: residential: 3,500 MT CO₂e per year; commercial: 1,400 MT CO₂e per year; or mixed use: 3,000 MT CO₂e per year.
- Tier 4 has the following options:
 - Option 1: Reduce business-as-usual (BAU) emissions by a certain percentage; this percentage is currently undefined.
 - Option 2: Early implementation of applicable AB 32 Scoping Plan measures.
 - Option 3: 2020 target for service population (SP), which includes residents and employees: 4.8 MT CO₂e/SP/year for projects and 6.6 MT CO₂e/SP/year for plans.
 - Option 3–2035 target: 3.0 MT CO₂e/SP/year for projects and 4.1 MT CO₂e/SP/year for plans.
- Tier 5 involves mitigation offsets to achieve target significance threshold.

The SCAQMD provided substantial evidence in support of its threshold approach. The SCAQMD discusses its draft thresholds in the following excerpt:⁸

The overarching policy objective with regard to establishing a GHG significance threshold for the purposes of analyzing GHG impacts pursuant to CEQA is to establish a performance standard or target GHG reduction objective that will ultimately contribute to reducing GHG emissions to stabilize climate change. Full implementation of the Governor's Executive Order S-3-05 would reduce GHG emissions 80 percent below 1990 levels or 90 percent below current levels by 2050. It is anticipated that achieving the Executive Order's objective would contribute to worldwide efforts to cap GHG concentrations at 450 ppm, thus, stabilizing global climate.

. . . staff's recommended interim GHG significance threshold proposal uses a tiered approach to determining significance. Tier 3, which is expected to be the primary tier by which the AQMD will determine significance for projects where it is the lead agency, uses the Executive Order S-3-05 goal as the basis for deriving the screening level. Specifically, the Tier 3 screening level for stationary sources is based on an emission capture rate of 90 percent for all new or modified projects. A 90 percent emission capture rate means that 90 percent of total emissions from all new or modified stationary source projects would be subject to some type of CEQA analysis,

⁸ South Coast Air Quality Management District (SCAQMD). 2008. Draft Guidance Document—Interim CEQA Greenhouse (GHG) Significance Threshold Document.

including a negative declaration, a mitigated negative declaration, or an environmental impact.

In summary, the SCAQMD’s draft threshold uses the Executive Order S-3-05 goal as the basis for the Tier 3 screening level. Achieving the Executive Order’s objective would contribute to worldwide efforts to cap CO₂ concentrations at 450 parts per million (ppm), thus stabilizing global climate. The City of Perris has applied the Tier 3 screening option, using 3,000 MT CO₂e per year to assess GHG emissions from development projects.

To determine whether the proposed project would have a significant impact with respect to the generation of GHG emissions, the appropriate tier for this project is Tier 3, which states that if GHG emissions are less than 3,000 MT CO₂e per year, project-level and cumulative GHG emissions would be less than significant. However, this threshold was developed to meet the 2020 GHG emissions goals. To be consistent with State goals detailed in SB 32, EO B-30-15, and EO S-3-05 to reduce GHG emissions by 40 percent below 1990 levels by 2030, a scaled screening GHG threshold can be developed for an assumed opening year of 2026. Though the SCAQMD has not published a quantified threshold beyond 2020, a threshold of 2,280 MT CO₂e per year would be appropriate.⁹

City of Perris General Plan

The City’s General Plan and the Chapter of “Conservation Element” provides policies that aim to conserve energy and reduce GHG emissions.¹⁰

Goal VIII Sustainable Future: Create a vision for energy and resource conservation and the use of green building design for the City, to protect the environment, improve quality of life, and promote sustainable practices.

Policy VIII.A Adopt and maintain development regulations that encourage water and resource conservation.

VIII.A.2 Use indigenous and/or drought resistant planting and efficient irrigation systems with smart controls in all new and refurbished commercial and industrial development projects. Also, restrict use of turf to 25 percent or less of the landscaped areas.

VIII.A.4 Use gray water, and water conserving appliances and fixtures within all new commercial and industrial developments.

Policy VIII.B Adopt and maintain development regulations that encourage recycling and reduced waste generation by construction projects.

⁹ The 2,280 MT CO₂e per year threshold for opening year of 2026 is calculated by reducing the 3,000 MT CO₂e per year threshold (developed to meet the 2020 GHG emissions goals) by 40 percent, then interpolating to obtain the scaled GHG emissions threshold for 2026.

¹⁰ City of Perris. General Plan. Website: <https://www.cityofperris.org/departments/development-services/general-plan>. Accessed June 24, 2022.

- VIII.B.1** Initiate and maintain incentive programs to encourage and reward developments that employ energy and resource conservation and green building practices similar to the City’s current recycling program.
- VIII.B.6** Include text within all demolition permits that encourages recycling of demolition and construction waste within new and refurbished commercial and industrial development projects.
- Policy VIII.C** Adopt and maintain development regulations which encourage increased energy efficiency in buildings, and the design of durable buildings that are efficient and economical to own and operate. Encourage green building development by establishing density bonuses, expedited permitting, and possible tax deduction incentives to be made available for developers who meet LEED® building standards for new and refurbished developments (U.S. Green Building Council’s Leadership in Energy and Environmental Design green building programs).
- VIII.C.1** Create a green building ordinance that promotes the use of green building technology and design.
- Goal IX** Encourage project designs that support the use of alternative transportation facilities.
- Policy IX.A** Encourage land uses and new development that support alternatives to the single occupant vehicle.
- Goal X** Encourage improved energy performance standards above and beyond the California Title 24 requirements.
- Goal XI** The City shall lead the development community by example in green building, and energy and resource conservation practices.
- Policy XI.B** The City shall actively reduce greenhouse gas emissions from public facilities throughout the community.

Perris Climate Action Plan

The City of Perris adopted its CAP in 2016 for the development and implementation of policies and programs to reduce GHG emissions within the City. The CAP is based on the directives of AB 32 and Executive Order S-3-05 and uses a GHG emission inventory from the year 2010 to establish the City’s baseline emissions for the purposes of assessing future GHG reduction goals and forecasting GHG emissions in the future. The CAP stated that, by 2020, the Statewide and local measures together would reduce the City’s community GHG emissions from the 2020 BAU condition by approximately 39 percent, or 67,668 MT CO₂e (from 173,195 to 105,527 MT of CO₂e). This reduction is equivalent to 20 percent decrease below the 2010 levels, which exceeds the 15 percent reduction target of the year 2020.¹¹ The City’s CAP presents the strategies listed below.

¹¹ City of Perris. 2016. City of Perris Climate Action Plan. Website: <https://www.cityofperris.org/home/showpublisheddocument/16490/638200204944070000>. Accessed April 22, 2024.

GHG Reduction Measures

- E1** Energy Action Plan. Improve municipal and community-wide energy efficiency and reduce energy consumption through the adoption of local Energy Action Plans (EAP).
- T-1** Bicycle Infrastructure Improvements. Expand on-street and off-street bicycle infrastructure, including bicycle lanes and bicycle trails.
- T-2** Bicycle Parking. Provide additional options for bicycle parking.
- T-3** End of Trip Facilities. Encourage use of non-motorized transportation modes by providing appropriate facilities and amenities for commuters.
- T-4** Transit Frequency Expansion. Collaborate with local and regional transit providers to provide more frequent transit in the subregion.
- T-5** Traffic Signal Coordination. Incorporate technology to synchronize and coordinate traffic signals along local arterials.
- T-6** Density. Improve jobs-housing balance and reduce vehicle miles traveled by increasing household and employment densities.
- T-7** Mixed-Use Development. Provide for a variety of development types and uses.
- T-8** Design/Site Planning. Design neighborhoods and sites to reduce VMT.
- T-9** Pedestrian-Only Areas. Encourage walking by providing pedestrian-only community areas.
- T-10** Limit Parking Requirements for New Development. Reduce requirements for vehicle parking in new development projects.
- T-11** Voluntary Transportation Demand Management. Reduce demand for roadway travel through incentives for alternative modes of transportation and disincentives for driving.
- T-12** Accelerated Bike Plan Implementation. Accelerate the implementation of all or specified components of a jurisdiction's adopted bike plan.
- SW-1** Yard Waste Collection. Provide green waste collection bins community-wide.
- SW-2** Food Scrap and Compostable Paper Diversion. Divert food and paper waste from landfills by implementing collection system.

Energy Reduction Measures

R1—State Energy Reduction Measures

R1-E1 Renewable Portfolio Standard—Building Energy Use

SB 1075 (2002) and SB 107 (2006) created the State's Renewable Portfolio Standard (RPS), with an initial goal of 20 percent renewable energy production by 2010. Executive Order 5-14-08 establishes a RPS target of 33 percent by the year 2020 and requires State agencies to take all appropriate actions to ensure the target is met.¹² This increase in electricity production from renewable sources will reduce the GHG emissions from electricity usage by 14 percent by 2020.

R1-E2, R1-E3 Assembly Bill 1109 Energy Efficiency Standards for Lighting (Residential and Commercial Indoor and Outdoor Lighting)

AB 1109 (2007) mandated that the CEC, on or before December 31, 2008, adopt energy efficiency standards for general purpose lighting. These regulations, combined with other State efforts, are structured to reduce Statewide electricity consumption in the following ways:

R1-E2 At least 50 percent reduction from 2007 levels for indoor residential lighting by 2018; and

R1-E3 At least 25 percent reduction from 2007 levels for indoor commercial and outdoor lighting by 2018.

R1-E4 Electricity Energy Efficiency

This measure captures the emission reductions for Perris that are associated with electricity energy efficiency activities included in ARB's AB 32 Scoping Plan that are not attributed to other R1 or R2 reductions. This measure includes the energy efficiency measures that ARB views as critical to meeting the Statewide 2020 target, and will result in additional emissions reductions beyond those already accounted for in California's Energy Efficiency Standards for Residential and Nonresidential Buildings (Title 24, Part 6 of the California Code of Regulations, hereafter referenced as "Title 24 Energy Efficiency Standards") of California's Green Building Standards Code (Title 24, Part 11 of the California Code of Regulations; or "CALGreen").

By 2020, this requirement will reduce emissions in California by approximately 21.3 million MT CO₂e, representing 17.5 percent of emissions from all electricity in the State. This measure includes a range of action items to improve energy efficiency in the City.

¹² Office of the Governor. 2008. Executive Order S-14-08. November 17. Website: <https://perma.cc/7S5K-MQT8>. Accessed April 22, 2024.

R1-E5 Natural Gas Energy Efficiency

This measure captures the emission reductions associated with natural gas energy efficiency activities included in ARB's AB 32 Scoping Plan that are not attributed to other R1 or R2 reductions. By 2020, this requirement will reduce emissions in California by approximately 4.3 million MT CO₂e, representing 6.2 percent of emissions from all natural gas combustion in the State.

R1-E6 Increased Combined Heat and Power

This measure captures the reduction in building electricity emissions associated with the increase of combined heat and power (CHP) activities, as outlined in ARB's AB 32 Scoping Plan. The Scoping Plan suggests that increased CHP systems, which capture "waste heat" produced during power generation for local use, will offset 30,000 gigawatt hours (GWh) Statewide in 2020. Approaches to lowering market barriers include utility-provided incentive payments, a possible CHP portfolio standard, transmission and distribution support systems, or the use of feed-in tariffs. By 2020, this requirement will reduce emissions in California by approximately 6.7 million MT CO₂e, representing 7.6 percent of emissions from all electricity in the State.

*R2—Local Energy Reduction Measures***R2-E1 New Residential Energy Efficiency**

Construction of new homes allows the opportunity to include energy efficient measures and lessen the impact of the new development on both energy demands and the community-wide GHG emissions.

R2-E2 New Commercial Energy Efficiency

Construction of new commercial buildings allows the opportunity to include energy efficient measures and lessen the impact of the new development on both energy demands and the community-wide GHG emissions.

R2-E3 Residential Renewable Energy

Construction of new homes allows the opportunity to include renewable energy production and lessen the impact of the new development on both energy demands and community-wide GHG emissions

R2-E4 Commercial Renewable Energy Requirements

This measure would provide an incentive for facilities to be equipped with "solar ready" features where feasible to facilitate future installation of solar energy systems. These features would include optimal solar orientation for buildings (south facing roof sloped at 20 degrees to 55 degrees from the horizontal), clear access on south sloped roofs, electrical conduit installed for solar electric system wiring, plumbing installed for solar hot water systems, and space provided for a solar hot water tank. Additional

R2-E5 Residential Energy Retrofits

By retrofitting existing homes with energy efficiency upgrades and renewable energy generation systems, homeowners can reduce their monthly energy bills while also reducing GHG emissions. In order to implement this strategy, the City would coordinate with local agencies such as SCE, SCG, WRCOG, and SCAG in order to educate homeowners about rebates and incentive programs available for energy upgrades and renewable energy installations.

R2-E6 Commercial Energy Retrofits

By retrofitting existing buildings with energy efficiency upgrades and renewable energy generation systems, business owners can reduce their monthly energy bills while also reducing GHG emissions. In order to implement this strategy, the City would coordinate with local agencies such as SCE, SCG, WRCOG, and SCAG in order to educate business owners about rebates and incentive programs available for energy upgrades and renewable energy installations.

*R3—Local Energy Reduction Measures***R3-E1 Regional Energy Planning Coordination**

Implementation of the R1 and R2 energy measures is supported by coordination with SCE, SCG, SCAG, WRCOG, local non-profits, and other local agencies in the region to optimize energy efficiency and renewable resource development and usage. This allows for economies of scale and shared resources to more effectively implement these environmental enhancements.

R3-E2 Energy Efficient Development and Renewable Energy Deployment Facilitation and Streamlining

This measure encourages the City to identify and remove any regulatory and procedural barriers to the implementation of green building practices and the incorporation of renewable energy systems. This could include the updating of codes and zoning requirements and guidelines. This measure could be further enhanced by providing incentives for energy efficient projects such as priority in the reviewing, permitting, and inspection process. Additional incentives could include flexibility in building requirements such as height limits or setbacks in exchange for incorporating green building practices or renewable energy systems.

R3-E3 Energy Efficiency Training and Public Education

This measure provides public education and publicity about energy efficiency measures and reduction programs available within the City through a variety of methods, including newsletters, brochures, and the City's website. This measure would enhance existing programs by including rebates and incentives available for

residences and businesses as well as providing training in green building materials, techniques, and practices for all plan review and building inspection staff.

R1—State Water Reduction Measures

R1-W1 Renewable Portfolio Standard (33 percent By 2020) Related to Water Supply and Conveyance

This measure would increase electricity production from eligible renewable power sources to 33 percent by 2020. A reduction in GHG emissions results from replacing natural gas-fired electricity production with zero GHG-emitting renewable sources of power. By 2020, this requirement will reduce emissions from electricity used for water supply and conveyance in California by approximately 21.3 million MT CO₂e, representing 15.2 percent of emissions from electricity generation (in State and imports).

R2—Local Water Reduction Measures

The following list of R2 water related measures are those measures that the City would implement in order to reduce emissions beyond the emissions reduction associated with the R1 State measures described above.

R2-W2 Water Conservation Strategies

The energy used to transport, treat, and deliver this imported water results in GHG emissions. In contrast, water derived from local sources does not need to be transported as far. By reducing water use, the City can reduce the amount of imported water and utilize more of the local sources.

R2-W3 Increased Recycled Water Use

Recycled, or reclaimed, water is water reused after wastewater treatment for nonportable uses instead of returning the water to the environment. Since less energy is required to provide reclaimed water, fewer GHG emissions are associated with reclaimed water use compared to the average California water supply use.

R3—Other Water Reduction Measures

R3-W1 Water Efficiency and Conservation Education

Under this measure, the City, in coordination with local water purveyors, would continue to implement its public information and education program that promotes water conservation. The program could be expanded to include certification programs for irrigation designers, installers, and managers, as well as classes to promote the use of drought-tolerant, native species, and xeriscaping. Xeriscaping refers to landscaping and gardening that reduces or eliminates the need for supplemental water from irrigation.

Energy Regulatory Framework

EPA Off-road Diesel Engine Emissions Standards

The EPA regulates nonroad diesel engines that power mobile equipment (bulldozers, scrapers, front-end loaders, etc.) and stationary equipment (generators, pumps, compressors, etc.). The EPA has no formal fuel economy standards for nonroad (e.g., construction) diesel engines but does regulate diesel emissions, which indirectly affects fuel economy. In 1994, EPA adopted the first set of emission standards (“Tier 1”) for all new nonroad diesel engines greater than 37 kilowatts (kW [50 horsepower]). The Tier 1 standards were phased in for different engine sizes between 1996 and 2000, reducing NO_x emissions from these engines by 30 percent. Subsequently, the EPA adopted more stringent emission standards for NO_x, hydrocarbons, and particulate matter from new nonroad diesel engines. This program included the first set of standards for nonroad diesel engines less than 37 kW. It also phased in more stringent “Tier 2” emission standards from 2001 to 2006 for all engine sizes and added yet more stringent “Tier 3” standards for engines between 37 and 560 kW (50 and 750 horsepower, respectively) from 2006 to 2008. These standards further reduced nonroad diesel engine emissions by 60 percent for NO_x and 40 percent for particulate matter (PM) from Tier 1 emission levels. In 2004, the EPA issued the Clean Air Nonroad Diesel Rule. This rule cut emissions from nonroad diesel engines by more than 90 percent and was phased in between 2008 and 2014. These emission standards are intended to promote advanced clean technologies for nonroad diesel engines that improve fuel combustion, but they also result in slight decreases in fuel economy.

California Renewable Energy Standards

Established in 2002 under SB 1078, and accelerated by SB 107 (2006), SB X 1-2 (2011), and SB 100 (2018), California’s Renewable Portfolio Standard (RPS) obligates investor-owned utilities, energy service providers, and community choice aggregators to procure 33 percent total retail sales of electricity from renewable energy sources by 2020, 60 percent by 2030, and 100 percent by 2045. SB 100 also states “that it is the policy of the state that eligible renewable energy resources and zero-carbon resources supply 100 percent of retail sales of electricity to California end-use customers and 100 percent of electricity procured to serve all State agencies by December 31, 2045.” The California Public Utilities Commission and the CEC are jointly responsible for implementing the program.

California Building Standards Code

The Building Energy Efficiency Standards were first adopted in 1976 and have been updated periodically since then as directed by statute. The Standards contain energy and water efficiency requirements (and indoor air quality requirements) for newly constructed buildings, additions to existing buildings, and alterations to existing buildings. The Standards are conceptually divided into three basic sets. The first set is a basic set of mandatory requirements that apply to all buildings. The second set is a set of performance standards—the energy budgets—that vary by climate zone (of which there are 16 in California) and building type; thus, the Standards are tailored to local conditions and provide flexibility in how energy efficiency in buildings can be achieved. Finally, the third set constitutes an alternative to the performance standards, which is a set of prescriptive packages that provide a recipe or a checklist compliance approach.

City of Perris General Plan

The City's General Plan and the Chapter of "Conservation Element" provides policies that aim to conserve energy and reduce GHG emissions, which are listed under the GHG regulatory framework section of this report.

AIR QUALITY EMISSIONS IMPACT ANALYSIS

According to CEQA Guidelines Appendix G, to determine whether impacts related to air quality are significant environmental effects, the following questions are analyzed and evaluated.

Would the project result in:

Impact AIR-1: Would the project conflict with or obstruct implementation of the applicable air quality plan?

Less than significant impact. A potentially significant impact to air quality would occur if the proposed project would conflict with or obstruct implementation of the applicable air quality plan. The proposed project is located within the jurisdiction of the SCAQMD. The SCAQMD is responsible for preparing air quality attainment plans to be transmitted to the ARB and the EPA for incorporation into the State Implementation Plan. SCAQMD has designated this area as extreme nonattainment for ozone and serious nonattainment for PM_{2.5}.¹³ To evaluate whether a project conflicts with or obstructs implementation of the applicable air quality plan (2022 Air Quality Management Plan [AQMP] for SoCAB), the SCAQMD CEQA Air Quality Handbook states that there are two key indicators. These indicators are identified by the criteria discussed below.

- **Indicator:** Whether the proposed project will not result in an increase in the frequency or severity of existing air quality violations, or cause or contribute to new violations, or delay timely attainment of air quality standards or the interim emission reductions specified in the AQMP.
- **Indicator:** According to Chapter 12 of the SCAQMD CEQA Air Quality Handbook, the purpose of the General Plan consistency findings is to determine whether a proposed project is inconsistent with the growth assumptions incorporated into the air quality plan and, thus, whether it would interfere with the region's ability to comply with federal and California air quality standards.

The development of emission burdens used in AQMPs to demonstrate compliance with ambient air quality standards is based, in part, on land use patterns contained within local general plans. Therefore, it is reasonable to conclude that if a project is consistent with the applicable general plan land use designation, and the general plan was adopted prior to the applicable AQMP, then the growth of VMT and/or population generated by said project would be consistent with growth in VMT and population assumed within the AQMP.

¹³ South Coast Air Quality Management District (SCAQMD). Air Quality Management Plan. Website: <http://www.aqmd.gov/home/air-quality/air-quality-management-plans/air-quality-mgt-plan>. Accessed April 22, 2024.

The project site has a both a General Plan Land Use and Zoning designation of Residential (R-6,000) which allow for a density between 4–7 du/ac.¹⁴ The proposed project would require a Planned Development Overlay, as well as a General Plan designation change and zoning change to Multi-Family Residential (MFR-14) which allows a maximum density of 14 du/ac. The project site is currently undeveloped, and a portion of the site is currently utilized for truck parking. Therefore, the proposed project’s VMT, SP, and sources of air pollutants would have been analyzed in the 2022 AQMP under a lower density than the proposed project. As such, further analysis is required to determine whether the proposed project would conflict with or obstruct implementation of the applicable air quality plan.

Considering the recommended criteria in the SCAQMD’s 1993 Handbook, this analysis uses the following criteria to address this potential impact:

- **Criterion 1:** Proposed project’s contribution to air quality violations; and
- **Criterion 2:** Compliance with applicable emission control measures in the AQMPs.

Criterion 1: Project’s Contribution to Air Quality Violations

According to the SCAQMD, the project is consistent with the AQMP if the project would not result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations or delay timely attainment of air quality standards or the interim emission reductions specified in the AQMP.¹⁵

If a project’s emissions do not exceed the SCAQMD regional thresholds for VOC, NO_x, CO, sulfur oxide (SO_x), PM₁₀, or PM_{2.5}, it follows that the project’s emissions would not exceed the allowable limit for each project in order for the region to attain and maintain ambient air quality standards, which is the primary goal of air quality plans. As shown in Impact AIR-2, the proposed project would not exceed the SCAQMD’s regional thresholds of significance during either construction or operation. Therefore, the proposed project would be consistent with the AQMP under this criterion.

Criterion 2: Control Measures

The AQMP contains several control measures which are enforceable requirements through the adoption of rules and regulations. The proposed project would comply with all applicable SCAQMD rules and regulations. Because of the nature of the proposed project, which includes earthmoving activity during construction, SCAQMD Rule 403 applies. Rule 403 requires that fugitive dust be controlled with Best Available Control Measures so that the presence of such dust does not remain visible in the atmosphere beyond the property line of the emission source. In addition, SCAQMD Rule 403 requires implementation of dust suppression techniques to prevent fugitive dust from creating a nuisance off-site. Compliance with this rule is achieved through the application of standard Best Management Practices (BMPs). These BMPs include application of water or chemical stabilizers to disturbed soils; covering haul vehicles; restricting vehicle speeds on unpaved roads to 15 miles per

¹⁴ City of Perris. 2023. City of Perris Map Viewer. Website: https://experience.arcgis.com/experience/63da7b7d741c4a7f8851b035e85e18d5?data_id=dataSource_1-18628b54f89-layer-13%3A225924. Accessed September 26, 2023 and April 22, 2024.

¹⁵ South Coast Air Quality Management District (SCAQMD). 1993. CEQA Handbook. Available at SCAQMD, 21865 Copley Drive, Diamond Bar, CA 91765.

hour (mph); sweeping loose dirt from paved site access roadways; cessation of construction activity when winds exceed 25 mph; and establishing a permanent ground cover on finished sites. The proposed project's compliance with all applicable SCAQMD rules and regulations would result in consistency with the applicable AQMP control measures.

Summary

In summary, the proposed project would not result in a regional exceedance of criteria air pollutants and would comply with all applicable SCAQMD rules and regulations. As such, the project would not result in an increase in the frequency or severity of existing air quality violations, or cause or contribute to new violations, or delay timely attainment of air quality standards or the interim emission reductions specified in the AQMP. Furthermore, the proposed project would not interfere with the region's ability to comply with federal and California air quality standards. Therefore, this impact would be less than significant.

Impact AIR-2: Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or State ambient air quality standard (including releasing emissions, which exceed quantitative thresholds for ozone precursors)?

Less than significant impact. This impact is related to the cumulative effect of a project's criteria pollutant emissions. By its nature, air pollution is largely a cumulative impact resulting from emissions generated over a large geographic region. The nonattainment status of regional pollutants results from past and present development within the air basin, and this regional impact is a cumulative impact. Therefore, new development projects (such as the proposed project) within the SoCAB would contribute to this impact only on a cumulative basis. No single project would be sufficient in size, by itself, to result in nonattainment of regional air quality standards. Instead, a project's emissions may be individually limited, but cumulatively considerable when evaluated in combination with past, present, and future development projects.

Potential regional impacts could result in exceedances of State or federal standards for NO_x, particulate matter (PM₁₀ and PM_{2.5}), or CO. NO_x emissions are of concern because of potential health impacts from exposure to NO_x emissions during both construction and operation and as a precursor in the formation of airborne ozone. PM₁₀ and PM_{2.5} are of concern during construction because of the potential to emit exhaust emissions from the operation of off-road construction equipment and fugitive dust during earth-disturbing activities (construction fugitive dust). CO emissions are of concern during project operation because operational CO hotspots are related to increases in on-road vehicle congestion and resulting health effects.

ROG emissions are also important because of their participation in the formation of ground level ozone. Ozone is a respiratory irritant and an oxidant that increases susceptibility to respiratory infections and that can cause substantial damage to vegetation and other materials. Elevated ozone concentrations result in reduced lung function, particularly during vigorous physical activity. This health problem is particularly acute in sensitive receptors such as the sick, elderly, and young children.

The cumulative analysis focuses on whether a specific project would result in cumulatively considerable emissions. According to Section 15064(h)(4) of the State CEQA Guidelines, the existence of significant cumulative impacts caused by other projects alone does not constitute substantial evidence that the project’s incremental effects would be cumulatively considerable. Rather, the determination of cumulative air quality impacts for construction and operational emissions is based on whether the project would result in regional emissions that exceed the SCAQMD regional thresholds of significance for construction and operations on a project level. Projects that generate emissions below the SCAQMD significance thresholds would be considered consistent with regional air quality planning efforts would not generate cumulatively considerable emissions.

The proposed project’s regional construction and operational emissions, which include both on- and off-site emissions, are evaluated separately below. Construction and operational emissions from the proposed project were estimated using the California Emissions Estimator Model (CalEEMod) Version 2022.1. The complete CalEEMod output files are included as part of Appendix A of this report.

Construction Emissions

Construction emissions are described as “short-term” or temporary in duration; however, they have the potential to represent a significant impact with respect to air quality. Construction of the proposed project would result in the temporary generation of VOC, NO_x, CO, SO_x, PM₁₀, and PM_{2.5} emissions from construction activities such as site preparation, grading, building construction (home construction), architectural coating, and paving. Fugitive dust emissions are primarily associated with earth disturbance and grading activities and vary as a function of soil silt content, soil moisture, wind speed, acreage of disturbance area, and miles traveled by construction vehicles on-site and off-site. Construction-related NO_x emissions are primarily generated by exhaust emissions from heavy-duty construction equipment, material and haul trucks, and construction worker vehicles. VOC emissions are mainly generated by exhaust emissions from construction vehicles, off-gas emissions associated with architectural coatings, and asphalt paving.

Construction of the proposed project was estimated to begin in April 2025 and conclude in October 2027 and was modeled based on based on an applicant-provided preliminary schedule. (See Table 1 below.) Note that construction emissions would likely decrease if the construction schedule were deferred to later years because of improvements in technology and more stringent regulatory requirements. The duration of construction activity and associated equipment represents a reasonable approximation of the expected construction fleet as CEQA Guidelines require.

Table 1: Preliminary Construction Schedule

Phase	Phase Start Date	Phase End Date	Working Days per Week	Total Number of Working Days
Site Prep and Grading	4/15/2025	7/5/2025	5	59
Trenching	4/15/2025	7/5/2025	5	59
Site Construction	7/7/2025	12/5/2025	5	110

Phase	Phase Start Date	Phase End Date	Working Days per Week	Total Number of Working Days
Home Building	12/8/2025	10/8/2027	5	480
Architectural Coating	1/11/2027	10/8/2027	5	195

Source: Appendix A.

The calculations of pollutant emissions from the construction equipment account for the type of equipment, horsepower and load factors of the equipment, and the duration of equipment use. Table 2 presents the proposed project’s maximum daily construction emissions during the entire construction duration using the worst-case summer or winter daily construction-related criteria pollutant emissions for each phase of construction. Complete CalEEMod output files are included as part of Appendix A of this report.

Table 2: Unmitigated Construction—Maximum Daily Regional Emissions by Construction Year

Construction Year	Regional Pollutant Emissions (pounds per day)					
	VOCs	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Summer						
Maximum Daily from Project Construction (2025)	3.84	33.69	35.04	0.07	9.07	3.16
Maximum Daily from Project Construction (2026)	1.52	11.35	20.56	0.03	1.98	0.75
Maximum Daily from Project Construction (2027)	10.30	15.21	27.01	0.04	2.35	0.87
Maximum Daily Emissions						
Maximum Daily Emissions¹	10.30	33.69	35.04	0.07	9.07	3.16
SCAQMD Significance Threshold	75	100	550	150	150	55
Exceed Threshold?	No	No	No	No	No	No
Notes: CO = carbon monoxide NO _x = nitrogen oxides PM ₁₀ = particulate matter less than 10 microns in diameter PM _{2.5} = particulate matter less than 2.5 microns in diameter SCAQMD = South Coast Air Quality Management District SO _x = sulfur oxides VOC = volatile organic compound ¹ Assumes overlap of construction activities based on schedule presented in Table 1 and Appendix A. The PM ₁₀ and PM _{2.5} emissions reflect the combined exhaust and mitigated fugitive dust emissions in accordance with SCAQMD Rule 403. Source of Emissions: Appendix A.						

As shown above in Table 2, the proposed project’s construction emissions would not exceed the applicable significance threshold for any of the pollutants. Therefore, the proposed project would have a less than significant impact related to regional air quality during project construction.

Operational Emissions

Long-term operational emissions would be generated, resulting from daily operations at the proposed condominiums. Operational emissions for residential land use development projects are typically distinguished as mobile-, area-, and energy-source emissions. Mobile source emissions are those associated with automobiles that would travel to and from the project site. Assumptions used to estimate mobile source emissions that would be generated by the proposed project were consistent with those presented in the project-specific Traffic Impact Analysis. The proposed project was estimated to generate 1,015 daily vehicle trips.¹⁶ Area-source emissions are those associated with natural gas combustion for space and water heating, landscape maintenance activities, and periodic architectural coatings. Energy-source emissions are those associated with electricity consumption and are more pertinent for GHG emissions than air quality pollutants. Table 3 presents the proposed project’s estimated maximum daily operational emissions.

Table 3: Maximum Daily Operational Regional Pollutants

Operational Activity	Regional Pollutant Emissions (pounds per day) ¹					
	VOC	NO _x	CO	SO _x	PM ₁₀ (Total)	PM _{2.5} (Total)
Area	6.48	1.99	8.88	0.01	0.16	0.16
Energy ¹	0.04	0.74	0.32	< 0.01	0.06	0.06
Mobile (Automobiles)	3.90	3.21	27.12	0.06	5.60	1.45
Overall Maximum Daily²	10.42	5.94	36.32	0.07	5.82	1.67
Season	Summer	Winter	Summer	Summer	Summer	Summer
SCAQMD Significance Threshold	55	55	550	150	150	55
Exceed Threshold?	No	No	No	No	No	No

Notes:
 CO = carbon monoxide
 NO_x = nitrogen oxides
 PM₁₀ = particulate matter less than 10 microns in diameter
 PM_{2.5} = particulate matter less than 2.5 microns in diameter
 SCAQMD = South Coast Air Quality Management District
 SO_x = sulfur oxides
 VOC = volatile organic compound
¹ Because CalEEMod does not increase electricity consumption when natural gas is zeroed out, the default natural gas assumptions were retained in the modeling to present a conservative estimate of emissions.
² Emissions shown represent the maximum daily emissions from summer and winter seasons for each operational emission source and pollutant. Therefore, total daily operational emissions represent the maximum daily emissions that could occur throughout the year.
 Source of Table: Appendix A.

¹⁶ TJW Engineering, Inc. 2024. Acacia Pointe Traffic Impact Analysis – City of Perris, California. March 1.

As shown in Table 3, the proposed project's regional daily operational emissions would not exceed any of the SCAQMD thresholds of significance. Therefore, the proposed project would have less than significant impact related to regional air quality during project operation.

Impact AIR-3: Would the project expose sensitive receptors to substantial pollutant concentrations?

Less than significant impact after incorporation of mitigation. This impact evaluates the potential for the proposed project's construction and operational emissions to expose sensitive receptors to substantial pollutant concentration. Sensitive receptors are defined as those individuals who are sensitive to air pollution, including children, the elderly, and persons with pre-existing respiratory or cardiovascular illness. For purposes of CEQA, the SCAQMD considers a sensitive receptor to be a location where a sensitive individual could remain for 24 hours, such as residences, hospitals, or convalescent facilities.¹⁷ Commercial and industrial facilities are not included in the definition because employees do not typically remain on-site for 24 hours. However, when assessing the impact of pollutants with 1-hour or 8-hour standards (such as nitrogen dioxide [NO₂] and CO), commercial and/or industrial facilities would be considered sensitive receptors. For the proposed project, the closest off-site sensitive receptor is a single-family residence south of the project site, located within approximately 20 feet from the project boundary.

To result in a less than significant impact, the following criteria must be true:

- **Criterion 1:** Localized significance threshold (LST) assessment: emissions and air quality impacts during project construction or operation must be below the applicable LSTs to screen out of needing to provide a more detailed air quality analysis. If the proposed project exceeds any applicable LST when the mass rate lookup tables are used as a screening analysis, then project-specific air quality modeling may be performed to determine significance.
- **Criterion 2:** A CO hotspot assessment must demonstrate that the proposed project would not result in the development of a CO hotspot that would result in an exceedance of the CO ambient air quality standards.
- **Criterion 3:** TAC analysis must demonstrate that TAC emissions from construction and operations of the proposed project would not result in significant health risk impacts to nearby sensitive receptors.

Criterion 1: Localized Significance Threshold Analysis—Criteria Pollutants

The localized construction and operational analyses use thresholds (i.e., LSTs) that represent maximum emissions for a project that would not cause or contribute to an exceedance of the most stringent applicable federal or State ambient air quality standard.¹⁸ If the proposed project's construction or operational emissions are under those thresholds, it follows that the project would

¹⁷ South Coast Air Quality Management District (SCAQMD). 2003, Revised 2008. Final Localized Significance Threshold Methodology. Revised July 2008. Website: <https://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/final-lst-methodology-document.pdf>. Accessed April 22, 2024.

¹⁸ South Coast Air Quality Management District (SCAQMD). 2003, Revised 2008. Final Localized Significance Threshold Methodology. Revised July 2008. Website: <https://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/final-lst-methodology-document.pdf>. Accessed April 22, 2024.

not cause or contribute to an exceedance of the standard and would not expose sensitive receptors to substantial pollutant concentrations.

Localized Construction Analysis

The LST Methodology only applies to on-site emissions and states that “off-site mobile emissions from the project should not be included in the emissions compared to LSTs.” Therefore, for purposes of the construction LST analysis, only on-site emissions were compared with the applicable LSTs.

Utilizing the construction equipment list and associated acreages per 8-hour day provided in the SCAQMD “Fact Sheet for Applying CalEEMod to Localized Significance Thresholds,” the maximum number of acres disturbed in a day would be 3 acres during the combined site preparation and grading phase. To ensure a conservative analysis, the proposed project emissions have been compared to the 2 acre per day LST. A complete list of construction equipment, as well as the calculation sheet to determine the maximum area disturbed are included in Appendix A.

Table 4 presents the proposed project’s maximum daily on-site emissions compared with the applicable LSTs. As previously noted, the closest sensitive receptor is within approximately 20 feet from the project site, which is approximately 6.1 meters.¹⁹ Receptors 25 meters or less use the 25-meter LSTs. The LSTs for the project site were obtained from the LST Methodology for a 2-acre project site located in Source Receptor Area (SRA) 24 where sensitive receptors are within 25 meters away. As noted in Table 4, emission estimates account for implementation of SCAQMD Rule 403, and the construction vehicle trip lengths were adjusted to 0.5 mile to represent localized emissions.

Table 4: Construction Localized Significance Screening Analysis

Activity	On-site Emissions (pounds per day)			
	NO _x	CO	PM ₁₀	PM _{2.5}
Maximum Daily from Project Construction (2025)	33.56	33.02	6.84	2.88
Maximum Daily from Project Construction (2026)	10.22	14.16	0.42	0.36
Maximum Daily from Project Construction (2027)	13.98	19.92	0.49	0.41
Maximum Daily On-site Construction Emissions¹	33.56	33.02	6.84	2.88
Year	2025	2025	2025	2025
Season	Summer	Summer	Summer	Summer
Construction Localized Significance Threshold (SRA 24, 2 acres disturbed, 25 meters)	170	883	7	4
Exceed Threshold?	No	No	No	No
Notes: CO = carbon monoxide NO _x = nitrogen oxides PM ₁₀ = particulate matter with an aerodynamic resistance diameter of 10 micrometers or less PM _{2.5} = particulate matter with an aerodynamic resistance diameter of 2.5 micrometers				

¹⁹ South Coast Air Quality Management District (SCAQMD). 2003, Revised 2008. Final Localized Significance Threshold Methodology. Revised July 2008. Website: <https://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/final-lst-methodology-document.pdf>. Accessed April 22, 2024.

Activity	On-site Emissions (pounds per day)			
	NO _x	CO	PM ₁₀	PM _{2.5}
SCAQMD = South Coast Air Quality Management District SRA = Source Receptor Area ¹ Assumes overlap of construction activities based on construction schedule shown in Appendix A. The PM ₁₀ and PM _{2.5} emissions reflect the combined exhaust and mitigated fugitive dust emissions in accordance with SCAQMD Rule 403. Source of emissions: Appendix A. Source of thresholds: South Coast Air Quality Management District (SCAQMD) Mass Rate LST Look-up Table for SRA 24, 2 acres disturbed, within nearest sensitive receptor within 25 meters from the project site.				

As shown in Table 4, the proposed project’s maximum daily on-site emissions would not exceed the applicable SCAQMD LSTs for NOX, CO, PM10 and PM2.5; therefore, localized construction impacts related to these air pollutants would be less than significant.

Localized Operational Analysis

Similar to the construction LST analysis above, the applicable operational LSTs were obtained for a project located in SRA 24 with the nearest sensitive receptor being within 25 meters. Long-term operations would occur for the proposed project on the approximately 11.62-acre project site, and LSTs were obtained for a 5-acre site (the largest option).

As described above, the LST Methodology recommends that only on-site emissions are evaluated using LSTs. Because most of the proposed project’s mobile source emissions would occur on the local and regional roadway network away from the project site, a trip length of 0.5-mile was used in the modeling input assumptions to account for on-site emissions and from mobile sources. The 0.5-mile on-site trip length is a conservative estimate that takes into account the maximum project site distance a vehicle could travel, not the most likely or fastest route, to ensure all potential impacts are considered. On-site area-, energy-, and mobile source emissions were included in this analysis. Table 5 presents the project’s maximum daily on-site emissions compared with the appropriate LSTs.

Table 5: Operational Localized Screening Significance Analysis

Emissions Source	Pounds per Day			
	NO _x	CO	PM ₁₀	PM _{2.5}
Area	2.07	8.88	0.16	0.16
Energy	0.74	0.32	0.06	0.06
Mobile (Automobiles)	0.98	6.93	0.37	0.10
Maximum Daily On-site Operational Emissions	3.79	16.13	0.59	0.32
Localized Significance Thresholds (SRA 24, 5-acre site, 25 meters)	270	1,577	4	2
Exceeds Screening Threshold?	No	No	No	No
Notes: CO = carbon monoxide				

Emissions Source	Pounds per Day			
	NO _x	CO	PM ₁₀	PM _{2.5}
NO _x = nitrogen oxides PM ₁₀ = particulate matter less than 10 microns in diameter PM _{2.5} = particulate matter less than 2.5 microns in diameter The highest daily emissions of NO _x , CO, PM ₁₀ , and PM _{2.5} were in the summer season. Source of Emissions: Appendix A. Source of thresholds: SCAQMD Mass Rate Lookup Tables for a 5-acre site in SRA 24 for sensitive receptors located within 25 meters of the project site.				

As shown in Table 5, the proposed project’s maximum daily on-site operational emissions would not exceed any applicable SCAQMD LSTs. Therefore, the proposed project’s operational activities would not cause or contribute substantially to an existing or future ambient air quality standard violation. Accordingly, the proposed project’s operational criteria air pollutant and ozone precursor concentrations would not expose sensitive receptors to substantial pollutant concentrations. The impact would be less than significant.

Criterion 2: Carbon Monoxide Hotspot Analysis

A CO hotspot represents a condition wherein high concentrations of CO may be produced by motor vehicles accessing a congested traffic intersection under heavy traffic volume conditions. It has long been recognized that CO exceedances are caused by vehicular emissions, primarily when idling at intersections. Accordingly, vehicle emissions standards have become increasingly more stringent to help remedy this impact.

The CO hotspot analysis contained in the SCAQMD 1992 CO Plan is used to determine potential CO hotspot impacts from the proposed project, because by using the 1992 CO Plan as a worst-case scenario, the proposed project can measure CO impacts against intersections that experienced significantly more vehicle traffic than adjacent to the proposed project. The 1992 CO Plan is used as a worst-case scenario because it included a CO hot spot analysis for four busy intersections in Los Angeles at the peak morning and afternoon time periods. The intersections evaluated included Long Beach Boulevard and Imperial Highway (Lynwood); Wilshire Boulevard and Veteran Avenue (Westwood); Sunset Boulevard and Highland Avenue (Hollywood); and La Cienega Boulevard and Century Boulevard (Inglewood). The busiest intersection evaluated was that at Wilshire Boulevard and Veteran Avenue, which has a daily traffic volume of approximately 100,000 vehicles per day. Subsequently, the CO Plan determined that no CO hotspot would occur even with 100,000 vehicles per day at this one intersection.

As identified in the project-specific Traffic Impact Analysis, the proposed residential project would generate up to 68 trips in the AM peak-hour and 80 trips in the PM peak-hour. Furthermore, the Traffic Impact Analysis determined that the proposed project would generate 1,015 daily vehicle trips and would not result in traffic volumes exceeding 100,000 vehicles per day at any of the intersections evaluated near the project site.²⁰ Additionally, project-generated trips would be distributed throughout the day and would not impact local roadways at one time, further reducing

²⁰ TJW Engineering, Inc. 2024. Acacia Pointe Traffic Impact Analysis – City of Perris, California. March 1.

the potential impacts to CO. As a result, none of the intersections near the proposed project site would have peak-hour traffic volumes exceeding those at the intersections analyzed in the 1992 CO Plan. Additionally, the adjacent roadways are not located in an area where vertical or horizontal atmospheric mixing is substantially limited, such as a tunnel or overpass. Furthermore, there are no factors unique to the local meteorology to conclude that this intersection would yield higher CO concentrations if modeled in detail. Therefore, the operational CO impact would be less than significant.

Criterion 2: Project-Specific Operational Toxic Air Pollutants

An assessment was made of the potential health impacts on surrounding sensitive receptors resulting from TAC emissions during construction.

The SCAQMD has defined health risk significance thresholds. These thresholds are represented as a cancer risk to the public and a non-cancer hazard from exposures to TACs. Cancer risk represents the probability (in terms of risk per million individuals) that an individual would contract cancer resulting from exposure to TACs continuously over a period of several years. The principal TAC emission analyzed in this assessment was DPM from operation of off-road equipment and diesel-powered delivery and worker vehicles during construction. DPM has been identified by the ARB as a carcinogenic substance. For purposes of this analysis, DPM is represented as exhaust emissions of PM₁₀.

Estimation of Construction DPM Emissions

Construction DPM and PM_{2.5} exhaust emissions were estimated using CalEEMod Version 2022.1. Construction was assumed to begin in April 2025 and conclude in October 2027. Project construction emissions were assumed to be distributed over the project site with a working schedule of 8 hours per day, 5 days per week.

To assess impacts to off-site sensitive receptors, the American Meteorological Society/EPA Regulatory Model (AERMOD) air dispersion model was used to estimate the concentrations from PM₁₀ and PM_{2.5} exhaust at nearby sensitive receptors within 1,000 feet of the project site.

Estimation of Cancer Risks

Cancer risks are estimated as the upper-bound incremental probability that an individual will develop cancer as a direct result of exposure to potential carcinogens over a specified exposure duration. The cancer risk attributed to a chemical is calculated by multiplying the chemical intake or dose at the human exchange boundaries (e.g., lungs) by the chemical-specific cancer potency factor. A risk level of 10 in a million implies a likelihood (or risk) that up to 10 persons out of 1 million equally exposed people would contract cancer if exposed continuously (24 hours per day) to the levels of TACs over a specified duration of time. This risk would be an excess cancer risk that is in addition to any environmental cancer risk borne by a person not exposed to these air toxics.

The California Office of Environmental Health Hazard Assessment (OEHHA) has developed guidance for estimating cancer risks that considers the increased sensitivity of infants and adults to TAC emissions, different breathing rates, and time spent at home. This guidance was applied in estimating cancer risks from the construction and operation of the proposed project. The principal

toxicological endpoint assumed in this assessment was through inhalation. The Hotspots Analysis and Reporting Program (HARP2) software was used to identify the cancer risks associated with DPM generated during construction activities.

Estimation of Non-Cancer Chronic Hazards

An evaluation of the potential non-cancer effects of chronic chemical exposures was also conducted. Adverse health effects are evaluated by comparing the annual receptor concentration of each chemical compound with the appropriate reference exposure limit. Available reference exposure limits promulgated by the California OEHHA were considered in the assessment.

Risk characterization for non-cancer health hazards from TACs is expressed as a hazard index (HI). HI is a ratio of the predicted concentration of the proposed project's emissions to a concentration considered acceptable to public health professionals, termed the reference exposure limit. The HI assumes that chronic sub-threshold exposures adversely affect a specific organ or organ system (toxicological endpoint). For each discrete chemical exposure, target organs presented in regulatory guidance were used. Each chemical concentration or dose is divided by the appropriate toxicity reference exposure level to calculate the HI. For compounds affecting the same toxicological endpoint, this ratio is summed. Where the total equals or exceeds 1, a health hazard is presumed to exist. For purposes of this assessment, the TAC of concern is DPM for which the OEHHA has defined a reference exposure limit for DPM of 5 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$). The principal toxicological endpoint assumed in this assessment was through inhalation.

Toxic Air Contaminant Construction Analysis

Major sources of DPM during construction include off-road construction equipment and heavy-duty delivery truck activities. The results of the Health Risk Assessment (HRA) prepared for project construction for cancer risk and long-term chronic cancer risk are summarized below. Air dispersion modeling was utilized to assess the proposed project's potential health risks using AERMOD, which is the air dispersion model accepted by the EPA and the SCAQMD for preparing HRAs. Exhaust emissions of DPM (as PM_{10} exhaust) were estimated using CalEEMod. The construction emissions were assumed to be distributed over the project area with a working schedule of 8 hours per day and 5 days per week. Emissions were adjusted by a factor of 4.2 to convert for use with a 24-hour-per-day, 365-day-per-year averaging period. Detailed parameters, a description of methodology, and complete calculations are contained in Appendix B of this report.

The estimated health and hazard impacts at the Maximally Exposed Individual Receptor (MEIR) from the proposed project's construction emissions, prior to incorporation of mitigation are provided in Table 6.

Table 6: Estimated Health Risks and Hazards During Project Construction (Unmitigated)

Source	Cancer Risk (risk per million)	Chronic Non-Cancer HI
Maximally Exposed Individual Receptor ¹	26.05	0.014
Significance Threshold	10	1
Exceeds Individual Source Threshold?	Yes	No

Source	Cancer Risk (risk per million)	Chronic Non-Cancer HI
Notes: HI = hazard index ¹ The location of the construction MEIR was determined to be at an existing residence directly south of the project site, at 33.798313°, -117.212757°.		
Source: Appendix B.		

As noted in Table 6, above, the proposed project’s construction emissions would exceed the cancer risk significance threshold without the use of cleaner than average construction equipment. Accordingly, Mitigation Measure (MM) AIR-1 is recommended, which would require the use of Tier 4 engines for all construction equipment equal to or greater than 50 horsepower.

As noted in Table 7, below, the proposed project’s construction emissions would not exceed any applicable SCAQMD significance threshold for health risk impacts after incorporation of MM AIR-1. Therefore, project construction would not result in significant health impacts to nearby sensitive receptors after incorporation of mitigation.

Table 7: Estimated Health Risks and Hazards During Project Construction (Mitigated)

Source	Cancer Risk (risk per million)	Chronic Non-Cancer HI
Maximally Exposed Individual Receptor ¹	8.13	0.005
Significance Threshold	10	1
Exceeds Individual Source Threshold?	No	No
Notes: HI = hazard index ¹ The location of the construction MEIR was determined to be at an existing residence directly south of the project site, at 33.798313°, -117.212757°.		
Source: Appendix B.		

Criterion 3: Project-Specific Operational Toxic Air Pollutants

The proposed project is a residential project and would not have stationary sources or on-site sources of TACs during operation. Traffic generated by the residential project would consist of mostly light-duty gasoline-powered vehicles, which are not a significant source of TAC and air pollutant emissions. Thus, the proposed project would not generate a significant amount of DPM or other TAC emissions during operation and would not result in significant health impacts to nearby sensitive receptors during operation.

Cumulative Toxic Air Contaminant Analysis

As previously discussed, projects that exceed project-specific significance thresholds are considered by the SCAQMD cumulatively considerable. Conversely, projects that do not exceed project-specific thresholds are generally not considered cumulatively significant. As discussed in Criteria 1 through 3, the proposed project would not expose sensitive receptors to substantial pollutant concentrations.

Since the proposed project would not exceed project-specific thresholds it would not be considered to result in cumulatively significant impacts.

The Proposed Project as a Receptor

The proposed project would locate new sensitive receptors (residents) that could be subject to existing sources of TACs at the project site. However, the California Supreme Court concluded in *California Building Industry Association v. BAAQMD* that agencies generally subject to CEQA are not required to analyze the impact of existing environmental conditions on a project's future users or residents.

Impact AIR-4: Would the project result in other emissions (such as those leading to odors or) adversely affecting a substantial number of people?

Less than significant impact. Two situations create a potential for odor impact. The first occurs when a new odor source is located near an existing sensitive receptor. The second occurs when a new sensitive receptor locates near an existing source of odor.

Odors can cause a variety of responses. The impact of an odor is dependent on interacting factors such as frequency (how often), intensity (strength), duration (in time), offensiveness (unpleasantness), location, and sensory perception. While offensive odors rarely cause any physical harm, they still can be very unpleasant, leading to considerable distress and often generating citizen complaints to local governments and regulatory agencies.

The SCAQMD does not provide a suggested screening distance for a variety of odor-generating land uses and operations. However, the San Joaquin Valley Air Pollution Control District (Valley Air District) does have a screening distance for odor sources. These screening distances by type of odor generator are listed below in Table 8.

Table 8: Screening Levels for Potential Odor Sources

Odor Generator	Screening Distance
Wastewater Treatment Facilities	2 miles
Sanitary Landfill	1 mile
Transfer Station	1 mile
Composting Facility	1 mile
Petroleum Refinery	2 miles
Asphalt Batch Plant	1 mile
Chemical Manufacturing	1 mile
Fiberglass Manufacturing	1 mile
Painting/Coating Operations (e.g., auto body shop)	1 mile
Food Processing Facility	1 mile
Feed Lot/Dairy	1 mile
Rendering Plant	1 mile

Odor Generator	Screening Distance
Source: San Joaquin Valley Air Pollution Control District (Valley Air District). 2015. Guidance for Assessing and Mitigating Air Quality Impacts (GAMAQI). March 19. Website: https://valleyair.org/transportation/GAMAQI.pdf . Accessed April 22, 2024.	

Construction-Related Odors

Potential sources that may emit odors during construction activities include exhaust from diesel construction equipment. However, because of the temporary nature of these emissions, the intermittent nature of construction activities, and the highly diffusive properties of diesel PM exhaust, nearby receptors would not be affected by diesel exhaust odors associated with project construction. Odors from these sources would be localized and generally confined to the immediate area surrounding the proposed project site. The proposed project would utilize typical construction techniques and the odors would be typical of most construction sites for a typical residential subdivision. As such, the proposed project would not cause odors that adversely affect a substantial number of people during the construction period; impacts during construction would be less than significant.

Operational-Related Odors

The proposed project includes the construction and development of 141 townhome-style condominiums and associated amenities, landscaping, paving, and off-site improvements. Operations of proposed project could lead to odors from associated vehicle exhaust and outdoor cooking. However, such odors generated by project operation would be small in quantity and duration and would not pose an objectionable odor impact to nearby receptors. Land uses that are typically identified as sources of objectionable odors include landfills, transfer stations, sewage treatment plants, composting facilities, feedlots, coffee roasters, asphalt batch plants, and rendering plants. The proposed residential project would not produce any offensive odor emitting end uses such as coffee roasting, composting, feed lots, refining, sewage treatment, or solid waste management and would not be considered an odor generator as identified in Table 8.

Conclusion

The proposed project would not result in other emissions (such as those leading to odors) adversely affecting a substantial number of people from construction or operations. Therefore, approval of the proposed project would not result in any significant effects relating to other emissions (such as odors), and the proposed project would meet the criteria of CEQA Guidelines Section 15332(d).

Recommended Mitigation

Standard Conditions

- SC AIR-1** SCAQMND Rule 403 requires the implementation of best available dust control measures during activities capable of generating fugitive dust. The project must follow the standard SCAQMD rules and requirements with regards to fugitive dust control, which includes, but are not limited to the following:
1. All active construction areas shall be watered two (2) times daily.
 2. Speed on unpaved roads shall be reduced to less than 15 mph.
 3. Any visible dirt deposition on any public roadway shall be swept or washed at the site access points within 30 minutes.
 4. Any on-site stockpiles of debris, dirt or other dusty material shall be covered or watered twice daily.
 5. All operations on any unpaved surface shall be suspended if winds exceed 15 mph.
 6. Access points shall be washed or swept daily.
 7. Construction sites shall be sandbagged for erosion control.
 8. Apply nontoxic chemical soil stabilizers according to manufacturers' specifications to all inactive construction areas (previously graded areas inactive for 10 days or more).
 9. Cover all trucks hauling dirt, sand, soil, or other loose materials, and maintain at least 2 feet of freeboard space in accordance with the requirements of California Vehicle Code (CVC) Section 23114.
 10. Pave or gravel construction access roads at least 100 feet onto the site from the main road and use gravel aprons at truck exits.
 11. Replace the ground cover of disturbed areas as quickly possible.

Mitigation Measures

- MM AIR-1** All off-road equipment equal to or greater than 50 horsepower shall meet either United States Environmental Protection Agency (EPA) or California Air Resources Board (ARB) Tier 4 Final off-road emission standards during all construction activities. The project applicant shall submit a Construction Management Plan to the City of Perris prior to issuance of any grading and building permits. The Construction Management Plan shall demonstrate that the off-road equipment used on-site to construct the proposed project would comply with Tier 4 off-road emission standards. Off-road equipment descriptions and information included in the Construction Management Plan may include but are not limited to equipment type, equipment manufacturer, equipment identification number, engine model year, engine certification (Tier rating), horsepower, and engine serial number.

GREENHOUSE GAS EMISSIONS IMPACT ANALYSIS

According to CEQA Guidelines Appendix G, to determine whether impacts related to GHG emissions are significant environmental effects, the following questions are analyzed and evaluated.

Would the project result in:

- a) **Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?**
- and**
- b) **Would the project conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases?**

Less than significant impact. Both construction and operational activities have the potential to generate GHG emissions. The following is a discussion of the proposed project’s contribution to GHG emissions during both the construction and operation phases.

Project Greenhouse Gas Emissions

Construction Greenhouse Gas Emissions

The proposed project would generate GHG emissions during construction activities, resulting from emission sources such as construction equipment, haul trucks, and construction worker vehicles. Although these emissions would be temporary and short-term in nature, they could represent a substantial contribution of GHG emissions. Construction emissions were modeled using CalEEMod Version 2022.1. Table 9, below, shows the annual construction GHG emissions.

Table 9: Proposed Project Construction GHG Emissions

Construction Activity	Total GHG Emissions (MT CO ₂ e per year)
Site Prep and Grading (2025)	186
Trenching (2025)	20
Site Construction (2025)	103
Home Building (2025)	37
Home Building (2026)	557
Home Building (2027)	425
Architectural Coating (2027)	96
Total Construction Emissions	1,424
Emissions Amortized Over 30 Years¹	18
Notes: GHG = greenhouse gas MT CO ₂ e = metric tons carbon dioxide equivalent	

Construction Activity	Total GHG Emissions (MT CO ₂ e per year)
¹ Construction GHG emissions are amortized over the 30-year lifetime of the project. Source: Appendix A.	

As shown above, the proposed project would generate approximately 1,424 MT CO₂e during construction. Over 30 years the construction GHG emissions would be amortized to approximately 18 MT CO₂e per year for each scenario. Since SCAQMD has not established a construction GHG threshold, total construction emissions were amortized over 30 years and included in the emissions inventory to account for the short-term, one time GHG emissions from the construction phase of the proposed project.

Project Operation

Operational, or long-term, emissions are those emissions that occur over the life of the project. Project operations were modeled for the 2025 operational year, immediately following the completion of construction. Sources for operational GHG emissions are summarized below:

- Motor Vehicles:** These emissions refer to GHG emissions contained in the exhaust from the cars and other on-road vehicles that would travel to and from the project site. Based on the Traffic Impact Analysis, the proposed project was estimated to generate 1,015 daily vehicle trips.²¹
- Natural Gas:** These emissions refer to the GHG emissions that occur when natural gas is burned on the project site. Natural gas uses could include heating water, space heating, dryers, stoves, or other uses. The project would be built all-electric and would, therefore, not result in any GHG emissions from natural gas use. As CalEEMod does not account for an increase in electricity use when natural gas consumption is zeroed out, the emissions from natural gas were retained in the modeling to present a conservative estimate of emissions.
- Indirect Electricity:** These emissions refer to those generated by off-site power plants to supply electricity required for the project. The proposed project would install photovoltaic (PV) solar panels, consistent with Title 24, Part 6, California’s Energy Code. The inclusion of solar panels would provide on-site renewable energy that would reduce the project’s consumption of electricity generated at off-site power plants.
- Area Sources:** These emissions refer to those produced during activities such as landscape maintenance.
- Water Transport:** These emissions refer to those generated by the electricity required to transport and treat the water to be used on the project site.
- Waste:** These emissions refer to the GHG emissions produced by decomposing waste generated by the project.

²¹ TJW Engineering, Inc. 2024. Acacia Pointe Traffic Impact Analysis – City of Perris, California. March 1.

Table 10 presents the estimated annual GHG emissions from the project’s operational activities. As shown in Table 10, the project would generate approximately 1,594 MT CO₂e per year after the inclusion of 18 MT CO₂e per year from project construction.

Table 10: Operational Greenhouse Gas Emissions—Unmitigated

GHG Emissions Source	GHG Emissions (MT CO ₂ e per year)
Area	31
Energy	440
Mobile (Automobiles)	1,051
Waste	20
Water	34
Refrigerants	0.29
Amortized Construction	18
Total Annual Project Emissions	1,594
Applicable Threshold¹	2,280
Exceed Applicable Threshold?	No
Notes: MT CO ₂ e = metric tons carbon dioxide equivalent ¹ The 2,280 MT CO ₂ e per year threshold for opening year of 2026 is calculated by reducing the 3,000 MT CO ₂ e per year threshold (developed to meet the 2020 GHG emissions goals) by 40 percent, then interpolating to obtain the scaled GHG emissions threshold for 2026. Source: Appendix A.	

As shown in Table 10, the proposed project’s GHG emissions would not exceed the applicable threshold of significance. Thus, the proposed project’s construction and operational GHG emissions would result in a less than significant impact on the environment.

Consistency with Greenhouse Gas Plans, Programs, and Policies

The City of Perris adopted its CAP in 2016 for the development and implementation of policies and programs to reduce GHG emissions within the City, based on the directives of AB 32 and Executive Order S-3-05.²² Perris’s CAP, including the GHG inventories and forecasts contained within, is based on the Western Riverside Council of Government’s (WRCOG’s) Subregional CAP. The Perris CAP utilized WRCOG’s analysis of existing GHG reduction programs and policies that have already been implemented in the subregion and applicable best practices from other regions to assist in meeting the 2020 subregional reduction target. The CAP reduction measures chosen for the City’s CAP were based on their GHG reduction potential, cost benefit characteristics, funding availability, and feasibility of implementation in the City of Perris. The CAP used an inventory base year of 2010 and included emissions from the following sectors: residential energy, commercial/industrial energy,

²² City of Perris. 2016. City of Perris Climate Action Plan. Website: <https://www.cityofperris.org/home/showpublisheddocument/16490/638200204944070000>. Accessed April 22, 2024.

transportation, waste, and wastewater. The CAP's 2020 reduction target is 15 percent below 2010 levels, and the 2035 reduction target is 47.5 percent below 2010 levels.

The City of Perris is expected to meet these reduction targets through implementation of Statewide and local measures. As the project would not generate GHG emissions that would result in a significant impact, as described above, the project would be consistent with the 2008 Scoping Plan, the 2017 Scoping Plan, the 2022 Scoping Plan, and the City of Perris CAP. As such, the proposed project would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs and a less than significant impact would occur with respect to this threshold.

Recommended Mitigation

Standard Permit Conditions

None.

Mitigation Measures

None.

ENERGY IMPACT ANALYSIS

Energy use, especially through fossil fuel consumption and combustion, relates directly to environmental quality since it can adversely affect air quality and generate GHG emissions that contribute to climate change. Electrical power is generated through a variety of sources, including fossil fuel combustion, hydropower, wind, solar, biofuels, and others. Natural gas is widely used to heat buildings, prepare food in restaurants and residences, and fuel vehicles, among other uses. Fuel use for transportation is related to the fuel efficiency of cars, trucks, and public transportation; choice of different travel modes such as auto, carpool, and public transit; and miles traveled by these modes, and generally based on petroleum-based fuels such as diesel and gasoline. Electric vehicles (EVs) may not have any direct emissions but do have indirect emissions via the source of electricity generated to power the vehicle. Construction and routine operation and maintenance of transportation infrastructure also consume energy. SCE provides electricity to the project site.

According to CEQA Guidelines Appendix G, to determine whether impacts related to energy are significant environmental effects, the following questions are analyzed and evaluated.

Would the project:

- a) **Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?**

Less than significant impact. A discussion of the proposed project's anticipated energy usage is presented below. Energy use consumed by the proposed project was estimated and includes natural gas, electricity, and fuel consumption for project construction and operation. Energy calculations are included in Appendix C of this report.

Short-term Construction Impacts

The proposed project construction schedule is estimated to begin in April 2025 and conclude in October 2027. If the construction schedule moves to later years, construction emissions would likely decrease because of improvements in technology and more stringent regulatory requirements as older, less efficient equipment is replaced by newer and cleaner equipment. The proposed project is located on a vacant lot and would not require demolition. The proposed project would require site preparation, grading, building construction, architectural coating, and paving. The construction phase would require energy for the manufacture and transportation of building materials, preparation of the site (e.g., site clearing, and grading), and the actual construction of the building. Petroleum-based fuels such as diesel fuel and gasoline would be the primary sources of energy for these tasks.

The types of on-site equipment used during construction of the proposed project could include gasoline- and diesel-powered construction and transportation equipment, including trucks, front-end loaders, forklifts, and cranes. Construction equipment is estimated to consume a total of 85,482 gallons of diesel fuel over the entire construction duration (Appendix C).

Fuel use associated with construction vehicle trips generated by the proposed project was also estimated; trips include construction worker trips, haul truck trips for material transport, and vendor trips for construction material deliveries. Fuel use from these vehicles traveling to the project site was based on (1) the projected number of trips the proposed project would generate during construction, (2) average trip distances by trip type, and (3) fuel efficiencies estimated in the ARB EMFAC mobile source emission model. The specific parameters used to estimate fuel usage are included in Appendix C. In total, the proposed project is estimated to generate 1,205,756 VMT and a combined 64,696 gallons of combined gasoline and diesel for vehicle travel during construction.

Other equipment could include construction lighting, field services (office trailers), and electrically driven equipment such as pumps and other tools. Section 7.34.060 of the Perris Municipal Code defines permissible hours of construction as between the hours of 7:00 a.m. and 7:00 p.m. Monday through Saturday.²³ As on-site construction activities would be restricted to these hours, it is anticipated that the use of construction lighting would be minimal.

The overall construction schedule and process is already designed to be efficient in order to avoid excess monetary costs. For example, equipment and fuel are not typically used wastefully due to the added expense associated with renting the equipment, maintaining it, and fueling it. Therefore, the opportunities for future efficiency gains during construction are limited. Therefore, it is anticipated that the construction phase of the proposed project would not result in wasteful, inefficient, and unnecessary consumption of energy. Construction-related energy impacts would be less than significant.

²³ City of Perris. Perris Municipal Code, Chapter 7.34. Website: https://library.municode.com/ca/perris/codes/code_of_ordinances?nodeId=COOR_TIT7HEWE_CH7.34NOCO_S7.34.060CONO. Accessed January 10, 2024.

Long-term Operational Impacts

The proposed project would consume energy as part of building operations and transportation activities. Operation of the proposed project would consume an estimated 1,172,306 kWh of electricity on an annual basis. The proposed project would be built all-electric and would not utilize natural gas. The proposed project's buildings (including condominiums) would be designed and constructed in accordance with the City's latest adopted energy efficiency standards, which are based on the State's Building Energy Efficiency Standards. These are widely regarded as the most advanced Building Energy Efficiency Standards and compliance would ensure that building energy consumption would not be wasteful, inefficient, or unnecessary.

Consistent with the project-specific Traffic Impact Analysis, the proposed project was estimated to generate 1,015 daily vehicle trips.²⁴ Project-related vehicle trips would consume an estimated 114,895 gallons of gasoline and diesel annually and would involve activities and travel routes typical of a residential project. Thus, transportation fuel consumption would not be wasteful, inefficient, or unnecessary. Impacts would be less than significant.

b) Conflict with or obstruct a State or local plan for renewable energy or energy efficiency?

Less than significant impact. The proposed project would be evaluated with existing State energy standards and with energy conservation policies included in the General Plan.

The proposed project would be served with electricity provided by SCE. In 2022 SCE obtained 33.2 percent of its electricity from renewable energy sources. SCE also offers a Green Rate 50 percent option that sources 66.7 percent of its power mix from eligible renewable energy sources and a Green Rate 100 percent option that sources 100 percent of its power mix from eligible renewable energy sources.²⁵ It is expected that SCE would be required to meet the future objective of 60 percent of electricity from renewable energy sources by 2030. Additionally, the proposed project is planned to be an all-electric design and therefore utilize more renewable energy sources during project operation.

The proposed residential project would be designed in accordance with Title 24, California's Energy Efficiency Standards for residential buildings. These standards include minimum energy efficiency requirements related to building envelope, mechanical systems (e.g., heating, ventilation, and air conditioning [HVAC] and water heating systems), and indoor and outdoor lighting. California Green Building Standards require all new garages for the proposed homes to install electrical panels of adequate size to support the installation of electric vehicle charging systems. Therefore, it is anticipated the proposed project will be designed and built to minimize transportation energy through the promotion of the use of electric-powered vehicles and it is anticipated that existing and planned capacity and supplies of transportation fuels would be sufficient to support the proposed project's demand. The proposed project would install solar PV systems, which is compliant with Title 24, Part 6, California's Energy Code.

²⁴ TJW Engineering, Inc. 2024. Acacia Pointe Traffic Impact Analysis – City of Perris, California. March 1.

²⁵ Southern California Edison (SCE). 2022 Power Content Label. Website: https://www.sce.com/sites/default/files/custom-files/PDF_Files/SCE_2022_Power_Content_Label_B%26W.pdf. Accessed January 11, 2024.

The Perris General Plan contains the following policies related to energy conservation.²⁶

- Goal VIII** Sustainable Future: Create a vision for energy and resource conservation and the use of green building design for the City, to protect the environment, improve quality of life, and promote sustainable practices.
- Policy VIII.A** Adopt and maintain development regulations that encourage water and resource conservation.
- Policy VIII.B** Adopt and maintain development regulations that encourage recycling and reduced waste generation by construction projects.
- Policy VIII.C** Adopt and maintain development regulations which encourage increased energy efficiency in buildings, and the design of durable buildings that are efficient and economical to own and operate. Encourage green building development by establishing density bonuses, expedited permitting, and possible tax deduction incentives to be made available for developers who meet LEED® building standards for new and refurbished developments (U.S. Green Building Council’s Leadership in Energy and Environmental Design green building programs).

While several of these policies are requirements at City level or voluntary, compliance with Title 24 standards and other applicable regulations would ensure that the proposed project would not conflict with any of the energy conservation policies related to the proposed project’s building, mechanical systems, and indoor and outdoor lighting.

The proposed project would comply with existing State energy standards and with energy conservation policies contained in the General Plan. As such, the proposed project would not conflict with State or local renewable or energy efficiency objectives. Impacts would be less than significant.

Recommended Mitigation

Standard Permit Conditions

None.

Mitigation Measures

None.

CONCLUSION

Based on the project understanding described above, the proposed project would result in less than significant impacts to air quality after incorporation of MM AIR-1. Specifically, MM AIR-1 is

²⁶ City of Perris. 2016. City of Perris Climate Action Plan. Website: <https://www.cityofperris.org/home/showpublisheddocument/16490/638200204944070000>. Accessed April 22, 2024.

recommended to reduce potential impacts from TACs generated during construction of the proposed project.

The analysis further determined that the proposed project would not generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment; nor would the proposed project conflict with an applicable plan, policy or regulation adopted for the purpose of reducing GHG emissions.

The analysis also determined that the proposed project would not result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation; nor would the proposed project conflict with or obstruct a State or local plan for renewable energy or energy efficiency.



Appendix A:
Air Quality Supporting Information and Modeling Results



Appendix A: Air Quality Supporting Information and Modeling Results

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Acacia Pointe Residential Project Construction Assumptions

Project Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Num Days		
				Week	Num Days	
Site Prep + Grading	Grading	4/15/2025	7/5/2025	5	59	Site Prep + Grading
Trenching	Trenching	4/15/2025	7/5/2025	5	59	Trenching, Sewer, Storm Drain, and Water installation
Site Construction	Paving	7/7/2025	12/5/2025	5	110	Street improvements, sewer, water, curb, paving
Home Building	Building Construction	12/8/2025	10/8/2027	5	480	Vertical construction 12/2025 - 10/2027
Architectural Coating	Architectural Coating	1/11/2027	10/8/2027	5	195	At end of vertical construction

Off-Road Construction Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Fuel Type
Site Prep + Grading	Rubber Tired Dozers	1	8	367	0.40	Diesel
Site Prep + Grading	Tractors/Loaders/Backhoes	2	8	84	0.37	Diesel
Site Prep + Grading	Graders	1	8	148	0.41	Diesel
Site Prep + Grading	Excavators	2	8	36	0.38	Diesel
Site Prep + Grading	Scrapers	2	8	423	0.48	Diesel
Trenching	Trenchers	2	7	40	0.50	Diesel
Trenching	Excavators	2	7	36	0.38	Diesel
Site Construction	Pavers	2	8	81	0.42	Diesel
Site Construction	Paving Equipment	2	8	89	0.36	Diesel
Site Construction	Rollers	2	8	36	0.38	Diesel
Home Building	Forklifts	3	8	82	0.20	Diesel
Home Building	Generator Sets	1	8	14	0.74	Diesel
Home Building	Cranes	1	7	367	0.29	Diesel
Home Building	Welders	1	8	46	0.45	Diesel
Home Building	Tractors/Loaders/Backhoes	3	7	84	0.37	Diesel
Architectural Coating	Air Compressors	5	6	37	0.48	Diesel

Construction Trips and VMT

Phase Name	Worker Trips per Day	Vendor Trips per	Hauling Trip per	Worker Trip	Vendor Trip	Hauling Trip
		Day	Day	Length (mi)	Length (mi)	Length (mi)
Site Prep + Grading	20.00	0.00	0.00	18.5	10.2	20
Trenching	10.00	0.00	0.00	18.5	10.2	20
Site Construction	15.00	11.00	0.00	18.5	10.2	20
Home Building	101.86	15.20	7.00	18.5	10.2	20
Architectural Coating	20.37	5.00	0.00	18.5	10.2	20

Perris Acacia Pointe Residential Custom Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Perris Acacia Pointe Residential
Construction Start Date	11/4/2024
Operational Year	2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	0.20
Location	1618 Balboa Ct, Perris, CA 92571, USA
County	Riverside-South Coast
City	Perris
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5503
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.22

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
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Condo/Townhouse	141	Dwelling Unit	7.29	241,400	100,500	—	455	Building and open space
Parking Lot	3.64	Acre	3.64	0.00	0.00	—	—	Including roadway and pickleball courts
Other Non-Asphalt Surfaces	0.69	Acre	0.69	0.00	0.00	—	—	Bioretention
Recreational Swimming Pool	0.80	1000sqft	0.02	800	0.00	—	—	Assumes standards 20 by 40 feet
Other Asphalt Surfaces	2.02	Acre	2.02	0.00	0.00	—	—	Frontage 2.02 ac

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	4.58	3.84	33.7	35.0	0.07	1.38	7.69	9.07	1.27	1.89	3.16	—	7,682	7,682	0.31	0.08	1.73	7,716
2026	1.80	1.52	11.3	20.6	0.03	0.39	1.59	1.98	0.36	0.38	0.75	—	4,734	4,734	0.18	0.21	6.98	4,809
2027	2.51	10.3	15.1	27.0	0.04	0.45	1.90	2.35	0.42	0.46	0.87	—	5,781	5,781	0.17	0.24	7.56	5,866
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.87	1.57	12.0	19.3	0.03	0.45	1.59	2.04	0.41	0.38	0.80	—	4,665	4,665	0.18	0.22	0.20	4,735
2026	1.78	1.49	11.4	18.8	0.03	0.39	1.59	1.98	0.36	0.38	0.75	—	4,621	4,621	0.14	0.22	0.18	4,689
2027	2.49	10.3	15.2	25.0	0.04	0.45	1.90	2.35	0.42	0.46	0.87	—	5,649	5,649	0.17	0.25	0.20	5,726

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.14	1.00	8.40	9.83	0.02	0.35	1.41	1.76	0.32	0.34	0.67	—	2,073	2,073	0.08	0.04	0.49	2,089
2026	1.27	1.07	8.14	13.6	0.02	0.28	1.13	1.42	0.26	0.27	0.53	—	3,312	3,312	0.10	0.15	2.15	3,363
2027	1.36	5.51	8.32	13.8	0.02	0.25	1.04	1.28	0.23	0.25	0.48	—	3,100	3,100	0.09	0.13	1.78	3,144
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.21	0.18	1.53	1.79	< 0.005	0.06	0.26	0.32	0.06	0.06	0.12	—	343	343	0.01	0.01	0.08	346
2026	0.23	0.19	1.49	2.48	< 0.005	0.05	0.21	0.26	0.05	0.05	0.10	—	548	548	0.02	0.03	0.36	557
2027	0.25	1.01	1.52	2.52	< 0.005	0.04	0.19	0.23	0.04	0.05	0.09	—	513	513	0.02	0.02	0.30	521

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.19	3.90	2.99	27.1	0.06	0.05	5.55	5.60	0.05	1.41	1.45	—	6,572	6,572	0.29	0.31	22.6	6,693
Area	0.99	6.48	2.07	8.88	0.01	0.16	—	0.16	0.16	—	0.16	0.00	2,545	2,545	0.05	< 0.005	—	2,548
Energy	0.09	0.04	0.74	0.32	< 0.005	0.06	—	0.06	0.06	—	0.06	—	2,651	2,651	0.19	0.01	—	2,660
Water	—	—	—	—	—	—	—	—	—	—	—	11.1	72.4	83.5	1.14	0.03	—	120
Waste	—	—	—	—	—	—	—	—	—	—	—	58.6	0.00	58.6	5.86	0.00	—	205
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.73	1.73
Total	5.26	10.4	5.80	36.3	0.08	0.27	5.55	5.82	0.27	1.41	1.68	69.7	11,840	11,910	7.53	0.35	24.4	12,228
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.92	3.64	3.21	23.3	0.06	0.05	5.55	5.60	0.05	1.41	1.45	—	6,177	6,177	0.31	0.32	0.59	6,280
Area	0.23	5.76	1.99	0.85	0.01	0.16	—	0.16	0.16	—	0.16	0.00	2,524	2,524	0.05	< 0.005	—	2,526
Energy	0.09	0.04	0.74	0.32	< 0.005	0.06	—	0.06	0.06	—	0.06	—	2,651	2,651	0.19	0.01	—	2,660

Water	—	—	—	—	—	—	—	—	—	—	—	11.1	72.4	83.5	1.14	0.03	—	120
Waste	—	—	—	—	—	—	—	—	—	—	—	58.6	0.00	58.6	5.86	0.00	—	205
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.73	1.73
Total	4.24	9.44	5.94	24.5	0.08	0.27	5.55	5.82	0.27	1.41	1.67	69.7	11,424	11,494	7.54	0.36	2.32	11,793
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.89	3.60	3.26	24.1	0.06	0.05	5.55	5.60	0.05	1.41	1.45	—	6,234	6,234	0.31	0.32	9.77	6,347
Area	0.53	6.15	0.19	5.56	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	188	188	< 0.005	< 0.005	—	188
Energy	0.09	0.04	0.74	0.32	< 0.005	0.06	—	0.06	0.06	—	0.06	—	2,651	2,651	0.19	0.01	—	2,660
Water	—	—	—	—	—	—	—	—	—	—	—	11.1	72.4	83.5	1.14	0.03	—	120
Waste	—	—	—	—	—	—	—	—	—	—	—	58.6	0.00	58.6	5.86	0.00	—	205
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.73	1.73
Total	4.51	9.79	4.19	30.0	0.07	0.12	5.55	5.67	0.12	1.41	1.53	69.7	9,145	9,215	7.50	0.36	11.5	9,522
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.71	0.66	0.59	4.40	0.01	0.01	1.01	1.02	0.01	0.26	0.27	—	1,032	1,032	0.05	0.05	1.62	1,051
Area	0.10	1.12	0.03	1.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	31.1	31.1	< 0.005	< 0.005	—	31.1
Energy	0.02	0.01	0.14	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	439	439	0.03	< 0.005	—	440
Water	—	—	—	—	—	—	—	—	—	—	—	1.83	12.0	13.8	0.19	< 0.005	—	19.9
Waste	—	—	—	—	—	—	—	—	—	—	—	9.70	0.00	9.70	0.97	0.00	—	33.9
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Total	0.82	1.79	0.76	5.47	0.01	0.02	1.01	1.03	0.02	0.26	0.28	11.5	1,514	1,526	1.24	0.06	1.91	1,576

3. Construction Emissions Details

3.1. Site Prep Grading (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.80	3.20	29.7	28.3	0.06	1.23	—	1.23	1.14	—	1.14	—	6,599	6,599	0.27	0.05	—	6,622
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	0.01	0.01	0.17	0.10	< 0.005	< 0.005	3.71	3.71	< 0.005	0.37	0.37	—	49.5	49.5	< 0.005	0.01	0.07	52.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	0.52	4.80	4.58	0.01	0.20	—	0.20	0.18	—	0.18	—	1,067	1,067	0.04	0.01	—	1,070
Dust From Material Movement	—	—	—	—	—	—	0.58	0.58	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.60	0.60	< 0.005	0.06	0.06	—	8.02	8.02	< 0.005	< 0.005	0.01	8.43
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.88	0.84	< 0.005	0.04	—	0.04	0.03	—	0.03	—	177	177	0.01	< 0.005	—	177
Dust From Material Movement	—	—	—	—	—	—	0.11	0.11	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.11	0.11	< 0.005	0.01	0.01	—	1.33	1.33	< 0.005	< 0.005	< 0.005	1.40
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.09	1.54	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	282	282	0.01	0.01	1.04	286
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.02	0.20	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	42.4	42.4	< 0.005	< 0.005	0.07	43.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.02	7.02	< 0.005	< 0.005	0.01	7.12
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Home Building (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406

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	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.49	0.61	< 0.005	0.02	—	0.02	0.02	—	0.02	—	113	113	< 0.005	< 0.005	—	113	
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	0.00	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Off-Road Equipment	0.01	0.01	0.09	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.6	18.6	< 0.005	< 0.005	—	18.7	
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	0.00	0.00	
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.48	0.43	0.49	5.94	0.00	0.00	1.33	1.33	0.00	0.31	0.31	—	1,320	1,320	0.06	0.05	0.14	1,336	
Vendor	0.02	0.01	0.53	0.16	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	—	465	465	0.01	0.07	0.03	487	
Hauling	0.02	0.01	0.56	0.13	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	—	483	483	0.01	0.08	0.03	506	
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.02	0.02	0.03	0.30	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	62.8	62.8	< 0.005	< 0.005	0.11	63.7	
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.9	21.9	< 0.005	< 0.005	0.03	22.9	
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	22.7	22.7	< 0.005	< 0.005	0.02	23.8	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	< 0.005	< 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	0.02	10.5	
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.62	3.62	< 0.005	< 0.005	< 0.005	3.79	
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.75	3.75	< 0.005	< 0.005	< 0.005	3.93	

3.5. Home Building (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
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	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
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	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.77	7.04	9.26	0.02	0.27	—	0.27	0.25	—	0.25	—	1,712	1,712	0.07	0.01	—	1,718
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	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.28	1.69	< 0.005	0.05	—	0.05	0.05	—	0.05	—	283	283	0.01	< 0.005	—	284
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	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.48	0.43	0.40	7.31	0.00	0.00	1.33	1.33	0.00	0.31	0.31	—	1,405	1,405	0.06	0.05	4.76	1,425
Vendor	0.02	0.01	0.49	0.15	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	—	458	458	0.01	0.07	1.25	480
Hauling	0.02	0.01	0.52	0.13	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	—	474	474	0.01	0.08	0.97	498
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.46	0.41	0.45	5.55	0.00	0.00	1.33	1.33	0.00	0.31	0.31	—	1,292	1,292	0.02	0.05	0.12	1,307
Vendor	0.02	0.01	0.51	0.16	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	—	458	458	0.01	0.07	0.03	479
Hauling	0.02	0.01	0.54	0.13	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	—	474	474	0.01	0.08	0.03	497
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.32	0.29	0.35	4.14	0.00	0.00	0.95	0.95	0.00	0.22	0.22	—	934	934	0.01	0.04	1.47	947
Vendor	0.01	0.01	0.37	0.11	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	327	327	0.01	0.05	0.38	343
Hauling	0.01	0.01	0.39	0.09	< 0.005	0.01	0.09	0.10	0.01	0.03	0.03	—	339	339	0.01	0.05	0.30	355
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.76	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	155	155	< 0.005	0.01	0.24	157
Vendor	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	54.1	54.1	< 0.005	0.01	0.06	56.7
Hauling	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	56.1	56.1	< 0.005	0.01	0.05	58.8

3.7. Home Building (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
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	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
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	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.68	0.57	5.16	7.11	0.01	0.19	—	0.19	0.17	—	0.17	—	1,318	1,318	0.05	0.01	—	1,323
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	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.94	1.30	< 0.005	0.03	—	0.03	0.03	—	0.03	—	218	218	0.01	< 0.005	—	219
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	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.46	0.41	0.35	6.77	0.00	0.00	1.33	1.33	0.00	0.31	0.31	—	1,379	1,379	0.02	0.05	4.28	1,398
Vendor	0.02	0.01	0.47	0.15	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	—	449	449	0.01	0.07	1.14	471
Hauling	0.02	0.01	0.51	0.13	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	—	465	465	0.01	0.07	0.90	488
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.39	0.40	5.11	0.00	0.00	1.33	1.33	0.00	0.31	0.31	—	1,268	1,268	0.02	0.05	0.11	1,283

Vendor	0.02	0.01	0.49	0.15	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	—	450	450	0.01	0.07	0.03	470
Hauling	0.02	0.01	0.53	0.13	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	—	465	465	0.01	0.07	0.02	487
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.24	2.95	0.00	0.00	0.73	0.73	0.00	0.17	0.17	—	706	706	0.01	0.03	1.02	715
Vendor	0.01	0.01	0.27	0.08	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	247	247	0.01	0.04	0.27	259
Hauling	0.01	< 0.005	0.29	0.07	< 0.005	0.01	0.07	0.07	0.01	0.02	0.02	—	256	256	< 0.005	0.04	0.21	268
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.54	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	117	117	< 0.005	< 0.005	0.17	118
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	40.9	40.9	< 0.005	0.01	0.04	42.8
Hauling	< 0.005	< 0.005	0.05	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	42.3	42.3	< 0.005	0.01	0.04	44.4

3.9. Site Construction (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.80	7.45	9.98	0.01	0.35	—	0.35	0.32	—	0.32	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.80	7.45	9.98	0.01	0.35	—	0.35	0.32	—	0.32	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.24	2.25	3.01	< 0.005	0.11	—	0.11	0.10	—	0.10	—	456	456	0.02	< 0.005	—	457	
Paving	—	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
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	0.00	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Off-Road Equipment	0.05	0.04	0.41	0.55	< 0.005	0.02	—	0.02	0.02	—	0.02	—	75.4	75.4	< 0.005	< 0.005	—	75.7	
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	0.00	0.00	
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.08	0.07	0.07	1.16	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	211	211	0.01	0.01	0.78	215	
Vendor	0.02	0.01	0.37	0.11	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	337	337	0.01	0.05	0.96	353	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.07	0.06	0.07	0.88	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	194	194	0.01	0.01	0.02	197	
Vendor	0.01	0.01	0.39	0.12	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	337	337	0.01	0.05	0.02	352	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.02	0.02	0.02	0.28	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	59.3	59.3	< 0.005	< 0.005	0.10	60.2	
Vendor	< 0.005	< 0.005	0.12	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	101	101	< 0.005	0.02	0.12	106	

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.82	9.82	< 0.005	< 0.005	0.02	9.96	
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	16.8	16.8	< 0.005	< 0.005	0.02	17.6	
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	0.00	0.00	

3.11. Architectural Coating (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	0.57	4.16	5.63	0.01	0.10	—	0.10	0.09	—	0.09	—	668	668	0.03	0.01	—	670
Architectural Coatings	—	8.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	0.57	4.16	5.63	0.01	0.10	—	0.10	0.09	—	0.09	—	668	668	0.03	0.01	—	670
Architectural Coatings	—	8.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.37	0.30	2.22	3.01	< 0.005	0.05	—	0.05	0.05	—	0.05	—	357	357	0.01	< 0.005	—	358
Architectural Coatings	—	4.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.41	0.55	< 0.005	0.01	—	0.01	0.01	—	0.01	—	59.0	59.0	< 0.005	< 0.005	—	59.2
Architectural Coatings	—	0.80	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.07	1.35	0.00	0.00	0.27	0.27	0.00	0.06	0.06	—	276	276	< 0.005	0.01	0.86	280
Vendor	0.01	< 0.005	0.15	0.05	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	148	148	< 0.005	0.02	0.38	155
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.08	1.02	0.00	0.00	0.27	0.27	0.00	0.06	0.06	—	254	254	< 0.005	0.01	0.02	257
Vendor	0.01	< 0.005	0.16	0.05	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	148	148	< 0.005	0.02	0.01	155
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.05	0.57	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	137	137	< 0.005	0.01	0.20	139
Vendor	< 0.005	< 0.005	0.09	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	79.0	79.0	< 0.005	0.01	0.09	82.6

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	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	22.7	22.7	< 0.005	< 0.005	0.03	23.0	
Vendor	< 0.005	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.1	13.1	< 0.005	< 0.005	0.01	13.7	
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	0.00	0.00	

3.13. Trenching (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.60	0.50	3.71	4.31	0.01	0.15	—	0.15	0.13	—	0.13	—	611	611	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	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.60	0.70	< 0.005	0.02	—	0.02	0.02	—	0.02	—	98.7	98.7	< 0.005	< 0.005	—	99.1
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	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.11	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.3	16.3	< 0.005	< 0.005	—	16.4
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	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.04	0.77	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	141	141	0.01	< 0.005	0.52	143
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	21.2	21.2	< 0.005	< 0.005	0.04	21.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.51	3.51	< 0.005	< 0.005	0.01	3.56
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	4.19	3.90	2.99	27.1	0.06	0.05	5.55	5.60	0.05	1.41	1.45	—	6,572	6,572	0.29	0.31	22.6	6,693
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	0.00	0.00
Other Non-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	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00
Total	4.19	3.90	2.99	27.1	0.06	0.05	5.55	5.60	0.05	1.41	1.45	—	6,572	6,572	0.29	0.31	22.6	6,693
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	3.92	3.64	3.21	23.3	0.06	0.05	5.55	5.60	0.05	1.41	1.45	—	6,177	6,177	0.31	0.32	0.59	6,280
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	0.00	0.00
Other Non-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	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00
Total	3.92	3.64	3.21	23.3	0.06	0.05	5.55	5.60	0.05	1.41	1.45	—	6,177	6,177	0.31	0.32	0.59	6,280	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Condo/Townhouse	0.71	0.66	0.59	4.40	0.01	0.01	1.01	1.02	0.01	0.26	0.27	—	1,032	1,032	0.05	0.05	1.62	1,051	
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	0.00	0.00	
Other Non-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	0.00	0.00	
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	
Total	0.71	0.66	0.59	4.40	0.01	0.01	1.01	1.02	0.01	0.26	0.27	—	1,032	1,032	0.05	0.05	1.62	1,051	

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

Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	1,506	1,506	0.09	0.01	—	1,512
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	202	202	0.01	< 0.005	—	203
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,709	1,709	0.11	0.01	—	1,715
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	1,506	1,506	0.09	0.01	—	1,512
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	202	202	0.01	< 0.005	—	203
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	—	1,709	1,709	0.11	0.01	—	1,715
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	249	249	0.02	< 0.005	—	250
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	33.5	33.5	< 0.005	< 0.005	—	33.6
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	283	283	0.02	< 0.005	—	284

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.09	0.04	0.74	0.32	< 0.005	0.06	—	0.06	0.06	—	0.06	—	942	942	0.08	< 0.005	—	945
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

Other Non-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
Recreational Swimming Pool	0.00	0.00	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
Total	0.09	0.04	0.74	0.32	< 0.005	0.06	—	0.06	0.06	—	0.06	—	942	942	0.08	< 0.005	—	945
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.09	0.04	0.74	0.32	< 0.005	0.06	—	0.06	0.06	—	0.06	—	942	942	0.08	< 0.005	—	945
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
Other Non-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
Recreational Swimming Pool	0.00	0.00	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
Total	0.09	0.04	0.74	0.32	< 0.005	0.06	—	0.06	0.06	—	0.06	—	942	942	0.08	< 0.005	—	945
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.02	0.01	0.14	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	156	156	0.01	< 0.005	—	156

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
Other Non-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
Recreational Swimming Pool	0.00	0.00	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
Total	0.02	0.01	0.14	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	156	156	0.01	< 0.005	—	156

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.23	0.12	1.99	0.85	0.01	0.16	—	0.16	0.16	—	0.16	0.00	2,524	2,524	0.05	< 0.005	—	2,526
Consumer Products	—	5.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.76	0.72	0.08	8.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	21.6	21.6	< 0.005	< 0.005	—	21.6

Total	0.99	6.48	2.07	8.88	0.01	0.16	—	0.16	0.16	—	0.16	0.00	2,545	2,545	0.05	< 0.005	—	2,548
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.23	0.12	1.99	0.85	0.01	0.16	—	0.16	0.16	—	0.16	0.00	2,524	2,524	0.05	< 0.005	—	2,526
Consumer Products	—	5.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.23	5.76	1.99	0.85	0.01	0.16	—	0.16	0.16	—	0.16	0.00	2,524	2,524	0.05	< 0.005	—	2,526
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	28.6	28.6	< 0.005	< 0.005	—	28.6
Consumer Products	—	0.95	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.09	0.09	0.01	1.00	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.45	2.45	< 0.005	< 0.005	—	2.45
Total	0.10	1.12	0.03	1.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	31.1	31.1	< 0.005	< 0.005	—	31.1

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	11.0	72.0	83.0	1.13	0.03	—	119
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.09	0.47	0.56	0.01	< 0.005	—	0.86
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	11.1	72.4	83.5	1.14	0.03	—	120
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	11.0	72.0	83.0	1.13	0.03	—	119
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.09	0.47	0.56	0.01	< 0.005	—	0.86

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	11.1	72.4	83.5	1.14	0.03	—	120
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	1.82	11.9	13.7	0.19	< 0.005	—	19.8
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.02	0.08	0.09	< 0.005	< 0.005	—	0.14
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1.83	12.0	13.8	0.19	< 0.005	—	19.9

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

Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	56.1	0.00	56.1	5.61	0.00	—	196
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	2.46	0.00	2.46	0.25	0.00	—	8.60
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	58.6	0.00	58.6	5.86	0.00	—	205
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	56.1	0.00	56.1	5.61	0.00	—	196
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	2.46	0.00	2.46	0.25	0.00	—	8.60
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	58.6	0.00	58.6	5.86	0.00	—	205
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	9.29	0.00	9.29	0.93	0.00	—	32.5
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.41	0.00	0.41	0.04	0.00	—	1.42
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	9.70	0.00	9.70	0.97	0.00	—	33.9

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.73	1.73

Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.73	1.73
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.73	1.73
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.73	1.73
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	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
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Site Prep Grading	Grading	4/15/2025	7/5/2025	5.00	59.0	Site Prep + Grading
Home Building	Building Construction	12/8/2025	10/8/2027	5.00	480	Vertical construction 12/2025 - 10/2027
Site Construction	Paving	7/7/2025	12/5/2025	5.00	110	Street improvements, sewer, water, curb, paving
Architectural Coating	Architectural Coating	1/11/2027	10/8/2027	5.00	195	At end of vertical construction
Trenching	Trenching	4/15/2025	7/5/2025	5.00	59.0	Trenching, Sewer, Storm Drain, and Water installation

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
Site Prep Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Site Prep Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Site Prep Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Site Prep Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Site Prep Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Home Building	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Home Building	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Home Building	Cranes	Diesel	Average	1.00	7.00	367	0.29
Home Building	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Home Building	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Site Construction	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Site Construction	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Site Construction	Rollers	Diesel	Average	2.00	8.00	36.0	0.38

Architectural Coating	Air Compressors	Diesel	Average	5.00	6.00	37.0	0.48
Trenching	Trenchers	Diesel	Average	2.00	7.00	40.0	0.50
Trenching	Excavators	Diesel	Average	2.00	7.00	36.0	0.38

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Prep Grading	—	—	—	—
Site Prep Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Site Prep Grading	Vendor	—	10.2	HHDT,MHDT
Site Prep Grading	Hauling	0.00	20.0	HHDT
Site Prep Grading	Onsite truck	10.0	1.00	HHDT
Trenching	—	—	—	—
Trenching	Worker	10.0	18.5	LDA,LDT1,LDT2
Trenching	Vendor	—	10.2	HHDT,MHDT
Trenching	Hauling	0.00	20.0	HHDT
Trenching	Onsite truck	—	—	HHDT
Home Building	—	—	—	—
Home Building	Worker	102	18.5	LDA,LDT1,LDT2
Home Building	Vendor	15.2	10.2	HHDT,MHDT
Home Building	Hauling	7.00	20.0	HHDT
Home Building	Onsite truck	—	—	HHDT
Site Construction	—	—	—	—
Site Construction	Worker	15.0	18.5	LDA,LDT1,LDT2
Site Construction	Vendor	11.0	10.2	HHDT,MHDT
Site Construction	Hauling	0.00	20.0	HHDT

Site Construction	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	20.4	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	5.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

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

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	488,835	162,945	1,500	500	16,596

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 (sq. ft.)	Acres Paved (acres)
Site Prep Grading	0.00	0.00	177	0.00	—
Site Construction	0.00	0.00	0.00	0.00	6.35

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%
Parking Lot	3.64	100%
Other Non-Asphalt Surfaces	0.69	0%
Recreational Swimming Pool	0.00	0%
Other Asphalt Surfaces	2.02	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	532	0.03	< 0.005
2026	0.00	532	0.03	< 0.005
2027	0.00	532	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	1,015	1,015	1,015	370,548	7,831	7,831	7,831	2,858,252
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Recreational Swimming Pool	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

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Condo/Townhouse	—
Wood Fireplaces	7
Gas Fireplaces	120
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	14
Conventional Wood Stoves	0
Catalytic Wood Stoves	7
Non-Catalytic Wood Stoves	7
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)
488835	162,945	1,500	500	16,596

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

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	1,033,409	532	0.0330	0.0040	2,939,945
Parking Lot	138,897	532	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	532	0.0330	0.0040	0.00
Recreational Swimming Pool	0.00	532	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	532	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	5,735,002	1,947,610
Parking Lot	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Recreational Swimming Pool	47,315	0.00
Other Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Condo/Townhouse	104	—
Parking Lot	0.00	—
Other Non-Asphalt Surfaces	0.00	—
Recreational Swimming Pool	4.56	—
Other Asphalt Surfaces	0.00	—

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
Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	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
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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
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5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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5.17. User Defined

Equipment Type	Fuel Type
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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
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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8. User Changes to Default Data

Screen	Justification
Land Use	Based on applicant-provided information: building pad is 217,000 sf, and open space covers 100,500 sf. Building space is conservatively calculated as 141 units of 1700 square-foot apartments. Biorientation is based on hydrology study (Basin A is 0.338 acre and Basin B is 0.353 acre). Hardscape including roads is calculated as the balance of the site. Pickleball courts are included in hardscape but not added as a separated land use because it is limited to the community use and would not generate significant additional trips.
Construction: Construction Phases	Based on applicant provided information.
Construction: Off-Road Equipment	Trenching equipment is added to the Trenching phase. Number of air compressors are increased in Coating Phase.
Construction: Trips and VMT	Site plan indicates cut is 29,000 cy and fill is 29,000 cy, therefore, the site is balanced and only on-site truck trips are added to the grading phase. For paving phase, assumes that 3.64 ac of hardscape and 2.02 ac of frontage are paved with 6 inch of asphalt, and it is estimated that 12 one-way vendor trips are needed per day. For Building Construction, building pad is 217,000 sf with 18 inches of foundation. The trips calculation sheets show that approximately 7 daily one-way trips are needed to cover 480 days of foundation construction, the trips needed for foundation are added to hauling trips for a conservative estimate. For coating phase, 5 vendor trips are included as conservative estimates.
Construction: Dust From Material Movement	Based on applicant, 29,000 cy of cut and 29,000 cy of fill, therefore the materials would be balanced on site.
Operations: Vehicle Data	Based on traffic study, the project would generate 7.2 daily trips.
Operations: Hearths	No wood burning devices (SCAQMD Rule 445 - Wood Burning Devices)
Operations: Energy Use	—

Perris Acacia Pointe Residential - Localized Analysis Custom Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Perris Acacia Pointe Residential - Localized Analysis
Construction Start Date	11/4/2024
Operational Year	2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	0.20
Location	1618 Balboa Ct, Perris, CA 92571, USA
County	Riverside-South Coast
City	Perris
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5503
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.22

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
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Condo/Townhouse	141	Dwelling Unit	7.29	241,400	100,500	—	455	Building and open space
Parking Lot	3.64	Acre	3.64	0.00	0.00	—	—	Including roadway and pickleball courts
Other Non-Asphalt Surfaces	0.69	Acre	0.69	0.00	0.00	—	—	Bioretention
Recreational Swimming Pool	0.80	1000sqft	0.02	800	0.00	—	—	Assumes standards 20 by 40 feet
Other Asphalt Surfaces	2.02	Acre	2.02	0.00	0.00	—	—	Frontage 2.02 ac

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	4.53	3.82	33.6	33.0	0.07	1.38	5.46	6.84	1.27	1.61	2.88	—	7,259	7,259	0.30	0.07	0.08	7,286
2026	1.66	1.43	10.2	14.1	0.02	0.38	0.05	0.42	0.35	0.01	0.36	—	2,512	2,512	0.12	0.04	0.21	2,526
2027	2.34	10.2	14.0	19.8	0.03	0.43	0.05	0.49	0.40	0.01	0.41	—	3,200	3,200	0.15	0.05	0.24	3,217
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.73	1.49	10.8	14.3	0.02	0.43	0.05	0.48	0.40	0.01	0.41	—	2,512	2,512	0.13	0.04	0.01	2,527
2026	1.63	1.41	10.2	14.2	0.02	0.38	0.05	0.42	0.35	0.01	0.36	—	2,509	2,509	0.12	0.04	0.01	2,524
2027	2.32	10.2	14.0	19.9	0.03	0.43	0.05	0.49	0.40	0.01	0.41	—	3,197	3,197	0.15	0.05	0.01	3,214

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.12	0.98	8.22	9.10	0.02	0.35	0.89	1.24	0.32	0.26	0.58	—	1,757	1,757	0.08	0.02	0.02	1,765
2026	1.17	1.00	7.30	10.1	0.02	0.27	0.03	0.30	0.25	0.01	0.26	—	1,792	1,792	0.09	0.03	0.07	1,803
2027	1.26	5.45	7.61	10.9	0.02	0.24	0.03	0.27	0.22	0.01	0.22	—	1,747	1,747	0.08	0.02	0.06	1,757
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.20	0.18	1.50	1.66	< 0.005	0.06	0.16	0.23	0.06	0.05	0.11	—	291	291	0.01	< 0.005	< 0.005	292
2026	0.21	0.18	1.33	1.85	< 0.005	0.05	0.01	0.06	0.05	< 0.005	0.05	—	297	297	0.01	< 0.005	0.01	299
2027	0.23	1.00	1.39	1.98	< 0.005	0.04	0.01	0.05	0.04	< 0.005	0.04	—	289	289	0.01	< 0.005	0.01	291

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.40	3.31	0.98	6.93	0.01	0.01	0.36	0.37	0.01	0.09	0.10	—	601	601	0.15	0.09	1.47	632
Area	0.99	6.48	2.07	8.88	0.01	0.16	—	0.16	0.16	—	0.16	0.00	2,545	2,545	0.05	< 0.005	—	2,548
Energy	0.09	0.04	0.74	0.32	< 0.005	0.06	—	0.06	0.06	—	0.06	—	2,651	2,651	0.19	0.01	—	2,660
Water	—	—	—	—	—	—	—	—	—	—	—	11.1	72.4	83.5	1.14	0.03	—	120
Waste	—	—	—	—	—	—	—	—	—	—	—	58.6	0.00	58.6	5.86	0.00	—	205
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.73	1.73
Total	4.47	9.84	3.79	16.1	0.02	0.23	0.36	0.59	0.23	0.09	0.32	69.7	5,869	5,939	7.38	0.13	3.20	6,167
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.14	3.05	1.04	7.56	0.01	0.01	0.36	0.37	0.01	0.09	0.10	—	578	578	0.17	0.09	0.04	608
Area	0.23	5.76	1.99	0.85	0.01	0.16	—	0.16	0.16	—	0.16	0.00	2,524	2,524	0.05	< 0.005	—	2,526
Energy	0.09	0.04	0.74	0.32	< 0.005	0.06	—	0.06	0.06	—	0.06	—	2,651	2,651	0.19	0.01	—	2,660

Water	—	—	—	—	—	—	—	—	—	—	—	11.1	72.4	83.5	1.14	0.03	—	120
Waste	—	—	—	—	—	—	—	—	—	—	—	58.6	0.00	58.6	5.86	0.00	—	205
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.73	1.73
Total	3.46	8.86	3.77	8.72	0.02	0.23	0.36	0.59	0.23	0.09	0.32	69.7	5,825	5,894	7.40	0.14	1.77	6,122
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.11	3.02	1.04	7.65	0.01	0.01	0.36	0.37	0.01	0.09	0.10	—	581	581	0.17	0.09	0.63	613
Area	0.53	6.15	0.19	5.56	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	188	188	< 0.005	< 0.005	—	188
Energy	0.09	0.04	0.74	0.32	< 0.005	0.06	—	0.06	0.06	—	0.06	—	2,651	2,651	0.19	0.01	—	2,660
Water	—	—	—	—	—	—	—	—	—	—	—	11.1	72.4	83.5	1.14	0.03	—	120
Waste	—	—	—	—	—	—	—	—	—	—	—	58.6	0.00	58.6	5.86	0.00	—	205
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.73	1.73
Total	3.73	9.21	1.97	13.5	0.01	0.08	0.36	0.44	0.08	0.09	0.17	69.7	3,492	3,562	7.36	0.13	2.37	3,787
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.57	0.55	0.19	1.40	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	96.2	96.2	0.03	0.01	0.10	101
Area	0.10	1.12	0.03	1.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	31.1	31.1	< 0.005	< 0.005	—	31.1
Energy	0.02	0.01	0.14	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	439	439	0.03	< 0.005	—	440
Water	—	—	—	—	—	—	—	—	—	—	—	1.83	12.0	13.8	0.19	< 0.005	—	19.9
Waste	—	—	—	—	—	—	—	—	—	—	—	9.70	0.00	9.70	0.97	0.00	—	33.9
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Total	0.68	1.68	0.36	2.47	< 0.005	0.01	0.07	0.08	0.01	0.02	0.03	11.5	578	590	1.22	0.02	0.39	627

3. Construction Emissions Details

3.1. Site Prep Grading (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.80	3.20	29.7	28.3	0.06	1.23	—	1.23	1.14	—	1.14	—	6,599	6,599	0.27	0.05	—	6,622
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	0.01	0.01	0.15	0.10	< 0.005	< 0.005	1.86	1.86	< 0.005	0.19	0.19	—	32.6	32.6	< 0.005	0.01	0.04	34.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	0.52	4.80	4.58	0.01	0.20	—	0.20	0.18	—	0.18	—	1,067	1,067	0.04	0.01	—	1,070
Dust From Material Movement	—	—	—	—	—	—	0.58	0.58	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.30	0.30	< 0.005	0.03	0.03	—	5.30	5.30	< 0.005	< 0.005	< 0.005	5.57
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.88	0.84	< 0.005	0.04	—	0.04	0.03	—	0.03	—	177	177	0.01	< 0.005	—	177
Dust From Material Movement	—	—	—	—	—	—	0.11	0.11	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	0.88	0.88	< 0.005	< 0.005	< 0.005	0.92
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.02	0.20	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.0	11.0	< 0.005	< 0.005	0.03	11.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.04	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.71	1.71	< 0.005	< 0.005	< 0.005	1.82
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.28	0.28	< 0.005	< 0.005	< 0.005	0.30
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Home Building (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406

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	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.49	0.61	< 0.005	0.02	—	0.02	0.02	—	0.02	—	113	113	< 0.005	< 0.005	—	113	
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	0.00	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Off-Road Equipment	0.01	0.01	0.09	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.6	18.6	< 0.005	< 0.005	—	18.7	
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	0.00	0.00	
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.36	0.35	0.09	1.09	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	53.4	53.4	0.02	0.01	< 0.005	56.9	
Vendor	0.01	0.01	0.17	0.10	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	37.7	37.7	< 0.005	0.01	< 0.005	39.5	
Hauling	0.01	< 0.005	0.11	0.07	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	23.1	23.1	< 0.005	< 0.005	< 0.005	24.3	
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.02	0.02	< 0.005	0.05	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.53	2.53	< 0.005	< 0.005	< 0.005	2.70	
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.76	1.76	< 0.005	< 0.005	< 0.005	1.85	
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.08	1.08	< 0.005	< 0.005	< 0.005	1.13	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.42	0.42	< 0.005	< 0.005	< 0.005	0.45	
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.29	0.29	< 0.005	< 0.005	< 0.005	0.31	
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.18	0.18	< 0.005	< 0.005	< 0.005	0.19	

3.5. Home Building (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
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	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
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	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.77	7.04	9.26	0.02	0.27	—	0.27	0.25	—	0.25	—	1,712	1,712	0.07	0.01	—	1,718
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	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.28	1.69	< 0.005	0.05	—	0.05	0.05	—	0.05	—	283	283	0.01	< 0.005	—	284
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	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.36	0.35	0.08	0.93	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	55.0	55.0	0.02	0.01	0.13	57.9
Vendor	0.01	0.01	0.16	0.10	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	36.8	36.8	< 0.005	0.01	0.06	38.7
Hauling	0.01	< 0.005	0.11	0.07	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	22.5	22.5	< 0.005	< 0.005	0.02	23.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.33	0.08	1.02	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	52.2	52.2	0.02	0.01	< 0.005	55.7
Vendor	0.01	0.01	0.17	0.10	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	37.2	37.2	< 0.005	0.01	< 0.005	39.0
Hauling	0.01	< 0.005	0.11	0.07	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	22.7	22.7	< 0.005	< 0.005	< 0.005	23.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.23	0.06	0.74	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	37.6	37.6	0.01	0.01	0.04	40.2
Vendor	0.01	< 0.005	0.12	0.07	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	26.4	26.4	< 0.005	< 0.005	0.02	27.7
Hauling	0.01	< 0.005	0.08	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	16.1	16.1	< 0.005	< 0.005	0.01	17.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.01	0.13	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	6.23	6.23	< 0.005	< 0.005	0.01	6.65
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.37	4.37	< 0.005	< 0.005	< 0.005	4.59
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.67	2.67	< 0.005	< 0.005	< 0.005	2.81

3.7. Home Building (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
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	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
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	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.68	0.57	5.16	7.11	0.01	0.19	—	0.19	0.17	—	0.17	—	1,318	1,318	0.05	0.01	—	1,323
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	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.94	1.30	< 0.005	0.03	—	0.03	0.03	—	0.03	—	218	218	0.01	< 0.005	—	219
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	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.33	0.07	0.86	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	53.9	53.9	0.02	0.01	0.12	56.8
Vendor	0.01	0.01	0.16	0.10	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	36.2	36.2	< 0.005	0.01	0.06	38.0
Hauling	0.01	< 0.005	0.11	0.07	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	22.1	22.1	< 0.005	< 0.005	0.02	23.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.32	0.31	0.08	0.95	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	51.2	51.2	0.02	0.01	< 0.005	54.0

Vendor	0.01	0.01	0.17	0.10	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	36.6	36.6	< 0.005	0.01	< 0.005	38.3
Hauling	0.01	< 0.005	0.11	0.07	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	22.4	22.4	< 0.005	< 0.005	< 0.005	23.5
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	0.04	0.53	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	28.4	28.4	0.01	< 0.005	0.03	29.9
Vendor	0.01	< 0.005	0.09	0.06	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	20.0	20.0	< 0.005	< 0.005	0.01	21.0
Hauling	< 0.005	< 0.005	0.06	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.2	12.2	< 0.005	< 0.005	0.01	12.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.01	0.10	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.70	4.70	< 0.005	< 0.005	< 0.005	4.96
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.31	3.31	< 0.005	< 0.005	< 0.005	3.47
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.02	2.02	< 0.005	< 0.005	< 0.005	2.12

3.9. Site Construction (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.80	7.45	9.98	0.01	0.35	—	0.35	0.32	—	0.32	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.80	7.45	9.98	0.01	0.35	—	0.35	0.32	—	0.32	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.24	2.25	3.01	< 0.005	0.11	—	0.11	0.10	—	0.10	—	456	456	0.02	< 0.005	—	457	
Paving	—	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
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	0.00	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Off-Road Equipment	0.05	0.04	0.41	0.55	< 0.005	0.02	—	0.02	0.02	—	0.02	—	75.4	75.4	< 0.005	< 0.005	—	75.7	
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	0.00	0.00	
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.06	0.06	0.01	0.15	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.28	8.28	< 0.005	< 0.005	0.02	8.81	
Vendor	0.01	< 0.005	0.12	0.07	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	27.1	27.1	< 0.005	< 0.005	0.05	28.4	
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	0.00	0.00	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.05	0.05	0.01	0.16	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.86	7.86	< 0.005	< 0.005	< 0.005	8.38	
Vendor	0.01	< 0.005	0.13	0.08	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	27.3	27.3	< 0.005	< 0.005	< 0.005	28.6	
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	0.00	0.00	
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.02	0.02	< 0.005	0.05	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.39	2.39	< 0.005	< 0.005	< 0.005	2.55	
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.18	8.18	< 0.005	< 0.005	0.01	8.58	

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.40	0.40	< 0.005	< 0.005	< 0.005	0.42	
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.35	1.35	< 0.005	< 0.005	< 0.005	1.42	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	

3.11. Architectural Coating (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	0.57	4.16	5.63	0.01	0.10	—	0.10	0.09	—	0.09	—	668	668	0.03	0.01	—	670
Architectural Coatings	—	8.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	0.57	4.16	5.63	0.01	0.10	—	0.10	0.09	—	0.09	—	668	668	0.03	0.01	—	670
Architectural Coatings	—	8.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.37	0.30	2.22	3.01	< 0.005	0.05	—	0.05	0.05	—	0.05	—	357	357	0.01	< 0.005	—	358
Architectural Coatings	—	4.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.41	0.55	< 0.005	0.01	—	0.01	0.01	—	0.01	—	59.0	59.0	< 0.005	< 0.005	—	59.2
Architectural Coatings	—	0.80	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.01	0.17	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.8	10.8	< 0.005	< 0.005	0.02	11.4
Vendor	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.9	11.9	< 0.005	< 0.005	0.02	12.5
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	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.02	0.19	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.2	10.2	< 0.005	< 0.005	< 0.005	10.8
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.0	12.0	< 0.005	< 0.005	< 0.005	12.6
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	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.01	0.10	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	5.51	5.51	< 0.005	< 0.005	0.01	5.82
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.39	6.39	< 0.005	< 0.005	< 0.005	6.70

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.91	0.91	< 0.005	< 0.005	< 0.005	0.96
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.06	1.06	< 0.005	< 0.005	< 0.005	1.11
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	0.00	0.00

3.13. Trenching (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.60	0.50	3.71	4.31	0.01	0.15	—	0.15	0.13	—	0.13	—	611	611	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	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.60	0.70	< 0.005	0.02	—	0.02	0.02	—	0.02	—	98.7	98.7	< 0.005	< 0.005	—	99.1
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	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.11	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.3	16.3	< 0.005	< 0.005	—	16.4
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	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.01	0.10	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	5.52	5.52	< 0.005	< 0.005	0.01	5.88
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.85	0.85	< 0.005	< 0.005	< 0.005	0.91
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.14	0.14	< 0.005	< 0.005	< 0.005	0.15
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	3.40	3.31	0.98	6.93	0.01	0.01	0.36	0.37	0.01	0.09	0.10	—	601	601	0.15	0.09	1.47	632
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	0.00	0.00
Other Non-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	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00
Total	3.40	3.31	0.98	6.93	0.01	0.01	0.36	0.37	0.01	0.09	0.10	—	601	601	0.15	0.09	1.47	632
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	3.14	3.05	1.04	7.56	0.01	0.01	0.36	0.37	0.01	0.09	0.10	—	578	578	0.17	0.09	0.04	608
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	0.00	0.00
Other Non-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	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00
Total	3.14	3.05	1.04	7.56	0.01	0.01	0.36	0.37	0.01	0.09	0.10	—	578	578	0.17	0.09	0.04	608	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Condo/Townhouse	0.57	0.55	0.19	1.40	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	96.2	96.2	0.03	0.01	0.10	101	
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	0.00	0.00	
Other Non-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	0.00	0.00	
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	
Total	0.57	0.55	0.19	1.40	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	96.2	96.2	0.03	0.01	0.10	101	

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

Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	1,506	1,506	0.09	0.01	—	1,512
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	202	202	0.01	< 0.005	—	203
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,709	1,709	0.11	0.01	—	1,715
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	1,506	1,506	0.09	0.01	—	1,512
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	202	202	0.01	< 0.005	—	203
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	—	1,709	1,709	0.11	0.01	—	1,715
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	249	249	0.02	< 0.005	—	250
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	33.5	33.5	< 0.005	< 0.005	—	33.6
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	283	283	0.02	< 0.005	—	284

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.09	0.04	0.74	0.32	< 0.005	0.06	—	0.06	0.06	—	0.06	—	942	942	0.08	< 0.005	—	945
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

Other Non-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
Recreational Swimming Pool	0.00	0.00	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
Total	0.09	0.04	0.74	0.32	< 0.005	0.06	—	0.06	0.06	—	0.06	—	942	942	0.08	< 0.005	—	945
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.09	0.04	0.74	0.32	< 0.005	0.06	—	0.06	0.06	—	0.06	—	942	942	0.08	< 0.005	—	945
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
Other Non-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
Recreational Swimming Pool	0.00	0.00	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
Total	0.09	0.04	0.74	0.32	< 0.005	0.06	—	0.06	0.06	—	0.06	—	942	942	0.08	< 0.005	—	945
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.02	0.01	0.14	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	156	156	0.01	< 0.005	—	156

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
Other Non-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
Recreational Swimming Pool	0.00	0.00	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
Total	0.02	0.01	0.14	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	156	156	0.01	< 0.005	—	156

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.23	0.12	1.99	0.85	0.01	0.16	—	0.16	0.16	—	0.16	0.00	2,524	2,524	0.05	< 0.005	—	2,526
Consumer Products	—	5.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.76	0.72	0.08	8.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	21.6	21.6	< 0.005	< 0.005	—	21.6

Total	0.99	6.48	2.07	8.88	0.01	0.16	—	0.16	0.16	—	0.16	0.00	2,545	2,545	0.05	< 0.005	—	2,548
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.23	0.12	1.99	0.85	0.01	0.16	—	0.16	0.16	—	0.16	0.00	2,524	2,524	0.05	< 0.005	—	2,526
Consumer Products	—	5.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.23	5.76	1.99	0.85	0.01	0.16	—	0.16	0.16	—	0.16	0.00	2,524	2,524	0.05	< 0.005	—	2,526
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	28.6	28.6	< 0.005	< 0.005	—	28.6
Consumer Products	—	0.95	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.09	0.09	0.01	1.00	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.45	2.45	< 0.005	< 0.005	—	2.45
Total	0.10	1.12	0.03	1.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	31.1	31.1	< 0.005	< 0.005	—	31.1

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	11.0	72.0	83.0	1.13	0.03	—	119
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.09	0.47	0.56	0.01	< 0.005	—	0.86
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	11.1	72.4	83.5	1.14	0.03	—	120
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	11.0	72.0	83.0	1.13	0.03	—	119
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.09	0.47	0.56	0.01	< 0.005	—	0.86

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	11.1	72.4	83.5	1.14	0.03	—	120
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	1.82	11.9	13.7	0.19	< 0.005	—	19.8
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.02	0.08	0.09	< 0.005	< 0.005	—	0.14
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1.83	12.0	13.8	0.19	< 0.005	—	19.9

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

Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	56.1	0.00	56.1	5.61	0.00	—	196
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	2.46	0.00	2.46	0.25	0.00	—	8.60
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	58.6	0.00	58.6	5.86	0.00	—	205
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	56.1	0.00	56.1	5.61	0.00	—	196
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	2.46	0.00	2.46	0.25	0.00	—	8.60
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	58.6	0.00	58.6	5.86	0.00	—	205
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	9.29	0.00	9.29	0.93	0.00	—	32.5
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.41	0.00	0.41	0.04	0.00	—	1.42
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	9.70	0.00	9.70	0.97	0.00	—	33.9

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.73	1.73

Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.73	1.73
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.73	1.73
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.73	1.73
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29

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

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	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
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Site Prep Grading	Grading	4/15/2025	7/5/2025	5.00	59.0	Site Prep + Grading
Home Building	Building Construction	12/8/2025	10/8/2027	5.00	480	Vertical construction 12/2025 - 10/2027
Site Construction	Paving	7/7/2025	12/5/2025	5.00	110	Street improvements, sewer, water, curb, paving
Architectural Coating	Architectural Coating	1/11/2027	10/8/2027	5.00	195	At end of vertical construction
Trenching	Trenching	4/15/2025	7/5/2025	5.00	59.0	Trenching, Sewer, Storm Drain, and Water installation

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
Site Prep Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Site Prep Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Site Prep Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Site Prep Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Site Prep Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Home Building	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Home Building	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Home Building	Cranes	Diesel	Average	1.00	7.00	367	0.29
Home Building	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Home Building	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Site Construction	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Site Construction	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Site Construction	Rollers	Diesel	Average	2.00	8.00	36.0	0.38

Architectural Coating	Air Compressors	Diesel	Average	5.00	6.00	37.0	0.48
Trenching	Trenchers	Diesel	Average	2.00	7.00	40.0	0.50
Trenching	Excavators	Diesel	Average	2.00	7.00	36.0	0.38

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Prep Grading	—	—	—	—
Site Prep Grading	Worker	20.0	0.50	LDA,LDT1,LDT2
Site Prep Grading	Vendor	—	0.50	HHDT,MHDT
Site Prep Grading	Hauling	0.00	0.50	HHDT
Site Prep Grading	Onsite truck	10.0	0.50	HHDT
Trenching	—	—	—	—
Trenching	Worker	10.0	0.50	LDA,LDT1,LDT2
Trenching	Vendor	—	0.50	HHDT,MHDT
Trenching	Hauling	0.00	0.50	HHDT
Trenching	Onsite truck	—	—	HHDT
Home Building	—	—	—	—
Home Building	Worker	102	0.50	LDA,LDT1,LDT2
Home Building	Vendor	15.2	0.50	HHDT,MHDT
Home Building	Hauling	7.00	0.50	HHDT
Home Building	Onsite truck	—	—	HHDT
Site Construction	—	—	—	—
Site Construction	Worker	15.0	0.50	LDA,LDT1,LDT2
Site Construction	Vendor	11.0	0.50	HHDT,MHDT
Site Construction	Hauling	0.00	0.50	HHDT

Site Construction	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	20.4	0.50	LDA,LDT1,LDT2
Architectural Coating	Vendor	5.00	0.50	HHDT,MHDT
Architectural Coating	Hauling	0.00	0.50	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

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

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	488,835	162,945	1,500	500	16,596

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 (sq. ft.)	Acres Paved (acres)
Site Prep Grading	0.00	0.00	177	0.00	—
Site Construction	0.00	0.00	0.00	0.00	6.35

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%
Parking Lot	3.64	100%
Other Non-Asphalt Surfaces	0.69	0%
Recreational Swimming Pool	0.00	0%
Other Asphalt Surfaces	2.02	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	532	0.03	< 0.005
2026	0.00	532	0.03	< 0.005
2027	0.00	532	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	1,015	1,015	1,015	370,548	508	508	508	185,274
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Recreational Swimming Pool	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

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Condo/Townhouse	—
Wood Fireplaces	7
Gas Fireplaces	120
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	14
Conventional Wood Stoves	0
Catalytic Wood Stoves	7
Non-Catalytic Wood Stoves	7
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)
488835	162,945	1,500	500	16,596

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

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	1,033,409	532	0.0330	0.0040	2,939,945
Parking Lot	138,897	532	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	532	0.0330	0.0040	0.00
Recreational Swimming Pool	0.00	532	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	532	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	5,735,002	1,947,610
Parking Lot	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Recreational Swimming Pool	47,315	0.00
Other Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Condo/Townhouse	104	—
Parking Lot	0.00	—
Other Non-Asphalt Surfaces	0.00	—
Recreational Swimming Pool	4.56	—
Other Asphalt Surfaces	0.00	—

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
Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	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
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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
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5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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5.17. User Defined

Equipment Type	Fuel Type
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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
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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8. User Changes to Default Data

Screen	Justification
Land Use	Based on applicant-provided information: building pad is 217,000 sf, and open space covers 100,500 sf. Building space is conservatively calculated as 141 units of 1700 square-foot apartments. Biorientation is based on hydrology study (Basin A is 0.338 acre and Basin B is 0.353 acre). Hardscape including roads is calculated as the balance of the site. Pickleball courts are included in hardscape but not added as a separated land use because it is limited to the community use and would not generate significant additional trips.
Construction: Construction Phases	Based on applicant provided information.
Construction: Off-Road Equipment	Trenching equipment is added to the Trenching phase. Number of air compressors are increased in Coating Phase.
Construction: Trips and VMT	Localized Analysis – Construction trip lengths were adjusted to 0.5-mile; all other assumptions and adjustments match the regional run. Site plan indicates cut is 29,000 cy and fill is 29,000 cy, therefore, the site is balanced and only on-site truck trips are added to the grading phase. For paving phase, assumes that 3.64 ac of hardscape and 2.02 ac of frontage are paved with 6 inch of asphalt, and it is estimated that 12 one-way vendor trips are needed per day. For Building Construction, building pad is 217,000 sf with 18 inches of foundation. The trips calculation sheets show that approximately 7 daily one-way trips are needed to cover 480 days of foundation construction, the trips needed for foundation are added to hauling trips for a conservative estimate. For coating phase, 5 vendor trips are included as conservative estimates.
Construction: Dust From Material Movement	Based on applicant, 29,000 cy of cut and 29,000 cy of fill, therefore the materials would be balanced on site.
Operations: Vehicle Data	Localized Analysis – Operational trip length adjusted to 0.5-mile to account for on-site emissions and from mobile sources. Based on traffic study, the project would generate 7.2 daily trips per dwelling unit.
Operations: Hearths	No wood burning devices (SCAQMD Rule 445 - Wood Burning Devices)

Perris Acacia Pointe Residential - Mitigated Construction (Tier 4 Equipment) Detailed Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Perris Acacia Pointe Residential - Mitigated Construction (Tier 4 Equipment)
Construction Start Date	11/4/2024
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	0.20
Location	1618 Balboa Ct, Perris, CA 92571, USA
County	Riverside-South Coast
City	Perris
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5503
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.22

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	141	Dwelling Unit	7.29	241,400	100,500	—	455	Building and open space

Parking Lot	3.64	Acre	3.64	0.00	0.00	—	—	Including roadway and pickleball courts
Other Non-Asphalt Surfaces	0.69	Acre	0.69	0.00	0.00	—	—	Bioretention
Recreational Swimming Pool	0.80	1000sqft	0.02	800	0.00	—	—	Assumes standards 20 by 40 feet
Other Asphalt Surfaces	2.02	Acre	2.02	0.00	0.00	—	—	Frontage 2.02 ac

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

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.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mit.	1.88	9.81	23.5	42.1	0.07	0.30	7.69	7.99	0.28	1.89	2.17	—	7,682	7,682	0.31	0.24	7.56	7,716
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mit.	1.85	9.78	14.9	27.0	0.04	0.21	1.90	2.11	0.20	0.46	0.66	—	5,649	5,649	0.18	0.25	0.20	5,726

% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mit.	1.01	5.24	8.18	15.0	0.02	0.12	1.41	1.49	0.11	0.34	0.43	—	3,312	3,312	0.10	0.15	2.15	3,363
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mit.	0.18	0.96	1.49	2.74	< 0.005	0.02	0.26	0.27	0.02	0.06	0.08	—	548	548	0.02	0.03	0.36	557
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.42	1.32	23.5	42.1	0.07	0.30	7.69	7.99	0.28	1.89	2.17	—	7,682	7,682	0.31	0.08	1.73	7,716
2026	1.13	1.00	10.6	22.6	0.03	0.12	1.59	1.71	0.12	0.38	0.50	—	4,734	4,734	0.18	0.21	6.98	4,809
2027	1.88	9.81	14.8	29.0	0.04	0.21	1.90	2.11	0.20	0.46	0.66	—	5,781	5,781	0.17	0.24	7.56	5,866
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.14	1.01	10.8	21.2	0.03	0.13	1.59	1.72	0.12	0.38	0.51	—	4,665	4,665	0.18	0.22	0.20	4,735
2026	1.10	0.97	10.7	20.8	0.03	0.12	1.59	1.71	0.12	0.38	0.50	—	4,621	4,621	0.14	0.22	0.18	4,689
2027	1.85	9.78	14.9	27.0	0.04	0.21	1.90	2.11	0.20	0.46	0.66	—	5,649	5,649	0.17	0.25	0.20	5,726
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.46	0.46	6.49	11.3	0.02	0.09	1.41	1.49	0.08	0.34	0.43	—	2,073	2,073	0.08	0.04	0.49	2,089
2026	0.79	0.69	7.66	15.0	0.02	0.09	1.13	1.22	0.08	0.27	0.36	—	3,312	3,312	0.10	0.15	2.15	3,363
2027	1.01	5.24	8.18	14.9	0.02	0.12	1.04	1.15	0.11	0.25	0.36	—	3,100	3,100	0.09	0.13	1.78	3,144
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.08	0.08	1.18	2.05	< 0.005	0.02	0.26	0.27	0.02	0.06	0.08	—	343	343	0.01	0.01	0.08	346
2026	0.14	0.13	1.40	2.74	< 0.005	0.02	0.21	0.22	0.02	0.05	0.07	—	548	548	0.02	0.03	0.36	557
2027	0.18	0.96	1.49	2.73	< 0.005	0.02	0.19	0.21	0.02	0.05	0.07	—	513	513	0.02	0.02	0.30	521

3. Construction Emissions Details

3.1. Site Prep Grading (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

3.2. Site Prep Grading (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.99	0.95	18.9	35.4	0.06	0.17	—	0.17	0.17	—	0.17	—	6,599	6,599	0.27	0.05	—	6,622
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—

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Onsite truck	0.01	0.01	0.17	0.10	< 0.005	< 0.005	3.71	3.71	< 0.005	0.37	0.37	—	49.5	49.5	< 0.005	0.01	0.07	52.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.15	3.06	5.72	0.01	0.03	—	0.03	0.03	—	0.03	—	1,067	1,067	0.04	0.01	—	1,070
Dust From Material Movement	—	—	—	—	—	—	0.58	0.58	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.60	0.60	< 0.005	0.06	0.06	—	8.02	8.02	< 0.005	< 0.005	0.01	8.43
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.56	1.04	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	177	177	0.01	< 0.005	—	177
Dust From Material Movement	—	—	—	—	—	—	0.11	0.11	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.11	0.11	< 0.005	0.01	0.01	—	1.33	1.33	< 0.005	< 0.005	< 0.005	1.40
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.09	1.54	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	282	282	0.01	0.01	1.04	286
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.02	0.20	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	42.4	42.4	< 0.005	< 0.005	0.07	43.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.02	7.02	< 0.005	< 0.005	0.01	7.12
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Home Building (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

3.4. Home Building (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	0.56	9.21	15.0	0.02	0.11	—	0.11	0.11	—	0.11	—	2,398	2,398	0.10	0.02	—	2,406
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	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.43	0.70	< 0.005	0.01	—	0.01	0.01	—	0.01	—	113	113	< 0.005	< 0.005	—	113
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	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.08	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.6	18.6	< 0.005	< 0.005	—	18.7
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	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.48	0.43	0.49	5.94	0.00	0.00	1.33	1.33	0.00	0.31	0.31	—	1,320	1,320	0.06	0.05	0.14	1,336
Vendor	0.02	0.01	0.53	0.16	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	—	465	465	0.01	0.07	0.03	487
Hauling	0.02	0.01	0.56	0.13	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	—	483	483	0.01	0.08	0.03	506
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.03	0.30	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	62.8	62.8	< 0.005	< 0.005	0.11	63.7
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.9	21.9	< 0.005	< 0.005	0.03	22.9
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	22.7	22.7	< 0.005	< 0.005	0.02	23.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 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	0.02	10.5
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.62	3.62	< 0.005	< 0.005	< 0.005	3.79
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.75	3.75	< 0.005	< 0.005	< 0.005	3.93

3.5. Home Building (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

3.6. Home Building (2026) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	0.55	9.17	15.0	0.02	0.11	—	0.11	0.10	—	0.10	—	2,397	2,397	0.10	0.02	—	2,405
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	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	0.55	9.17	15.0	0.02	0.11	—	0.11	0.10	—	0.10	—	2,397	2,397	0.10	0.02	—	2,405
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	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.43	0.39	6.55	10.7	0.02	0.08	—	0.08	0.07	—	0.07	—	1,712	1,712	0.07	0.01	—	1,718
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	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	1.20	1.95	< 0.005	0.01	—	0.01	0.01	—	0.01	—	283	283	0.01	< 0.005	—	284
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	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.48	0.43	0.40	7.31	0.00	0.00	1.33	1.33	0.00	0.31	0.31	—	1,405	1,405	0.06	0.05	4.76	1,425
Vendor	0.02	0.01	0.49	0.15	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	—	458	458	0.01	0.07	1.25	480
Hauling	0.02	0.01	0.52	0.13	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	—	474	474	0.01	0.08	0.97	498
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.46	0.41	0.45	5.55	0.00	0.00	1.33	1.33	0.00	0.31	0.31	—	1,292	1,292	0.02	0.05	0.12	1,307
Vendor	0.02	0.01	0.51	0.16	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	—	458	458	0.01	0.07	0.03	479
Hauling	0.02	0.01	0.54	0.13	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	—	474	474	0.01	0.08	0.03	497
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.32	0.29	0.35	4.14	0.00	0.00	0.95	0.95	0.00	0.22	0.22	—	934	934	0.01	0.04	1.47	947
Vendor	0.01	0.01	0.37	0.11	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	327	327	0.01	0.05	0.38	343
Hauling	0.01	0.01	0.39	0.09	< 0.005	0.01	0.09	0.10	0.01	0.03	0.03	—	339	339	0.01	0.05	0.30	355
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.76	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	155	155	< 0.005	0.01	0.24	157
Vendor	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	54.1	54.1	< 0.005	0.01	0.06	56.7
Hauling	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	56.1	56.1	< 0.005	0.01	0.05	58.8

3.7. Home Building (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

3.8. Home Building (2027) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.59	0.54	9.13	15.0	0.02	0.10	—	0.10	0.09	—	0.09	—	2,397	2,397	0.10	0.02	—	2,405
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	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.54	9.13	15.0	0.02	0.10	—	0.10	0.09	—	0.09	—	2,397	2,397	0.10	0.02	—	2,405
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	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	0.30	5.02	8.22	0.01	0.05	—	0.05	0.05	—	0.05	—	1,318	1,318	0.05	0.01	—	1,323
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	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.92	1.50	< 0.005	0.01	—	0.01	0.01	—	0.01	—	218	218	0.01	< 0.005	—	219
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	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.46	0.41	0.35	6.77	0.00	0.00	1.33	1.33	0.00	0.31	0.31	—	1,379	1,379	0.02	0.05	4.28	1,398
Vendor	0.02	0.01	0.47	0.15	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	—	449	449	0.01	0.07	1.14	471
Hauling	0.02	0.01	0.51	0.13	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	—	465	465	0.01	0.07	0.90	488
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.39	0.40	5.11	0.00	0.00	1.33	1.33	0.00	0.31	0.31	—	1,268	1,268	0.02	0.05	0.11	1,283

Vendor	0.02	0.01	0.49	0.15	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	—	450	450	0.01	0.07	0.03	470
Hauling	0.02	0.01	0.53	0.13	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	—	465	465	0.01	0.07	0.02	487
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.24	2.95	0.00	0.00	0.73	0.73	0.00	0.17	0.17	—	706	706	0.01	0.03	1.02	715
Vendor	0.01	0.01	0.27	0.08	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	247	247	0.01	0.04	0.27	259
Hauling	0.01	< 0.005	0.29	0.07	< 0.005	0.01	0.07	0.07	0.01	0.02	0.02	—	256	256	< 0.005	0.04	0.21	268
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.54	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	117	117	< 0.005	< 0.005	0.17	118
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	40.9	40.9	< 0.005	0.01	0.04	42.8
Hauling	< 0.005	< 0.005	0.05	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	42.3	42.3	< 0.005	0.01	0.04	44.4

3.9. Site Construction (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

3.10. Site Construction (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	0.46	6.78	10.6	0.01	0.10	—	0.10	0.10	—	0.10	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	0.46	6.78	10.6	0.01	0.10	—	0.10	0.10	—	0.10	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.14	2.04	3.20	< 0.005	0.03	—	0.03	0.03	—	0.03	—	456	456	0.02	< 0.005	—	457
Paving	—	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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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	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.37	0.58	< 0.005	0.01	—	0.01	0.01	—	0.01	—	75.4	75.4	< 0.005	< 0.005	—	75.7
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	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.07	1.16	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	211	211	0.01	0.01	0.78	215
Vendor	0.02	0.01	0.37	0.11	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	337	337	0.01	0.05	0.96	353
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.88	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	194	194	0.01	0.01	0.02	197
Vendor	0.01	0.01	0.39	0.12	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	337	337	0.01	0.05	0.02	352
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.28	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	59.3	59.3	< 0.005	< 0.005	0.10	60.2
Vendor	< 0.005	< 0.005	0.12	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	101	101	< 0.005	0.02	0.12	106
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.82	9.82	< 0.005	< 0.005	0.02	9.96
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	16.8	16.8	< 0.005	< 0.005	0.02	17.6
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	0.00	0.00

3.11. Architectural Coating (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

3.12. Architectural Coating (2027) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.69	0.57	4.16	5.63	0.01	0.10	—	0.10	0.09	—	0.09	—	668	668	0.03	0.01	—	670
Architectural Coatings	—	8.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	0.57	4.16	5.63	0.01	0.10	—	0.10	0.09	—	0.09	—	668	668	0.03	0.01	—	670
Architectural Coatings	—	8.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.37	0.30	2.22	3.01	< 0.005	0.05	—	0.05	0.05	—	0.05	—	357	357	0.01	< 0.005	—	358
Architectural Coatings	—	4.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.41	0.55	< 0.005	0.01	—	0.01	0.01	—	0.01	—	59.0	59.0	< 0.005	< 0.005	—	59.2
Architectural Coatings	—	0.80	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.07	1.35	0.00	0.00	0.27	0.27	0.00	0.06	0.06	—	276	276	< 0.005	0.01	0.86	280
Vendor	0.01	< 0.005	0.15	0.05	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	148	148	< 0.005	0.02	0.38	155
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.08	1.02	0.00	0.00	0.27	0.27	0.00	0.06	0.06	—	254	254	< 0.005	0.01	0.02	257
Vendor	0.01	< 0.005	0.16	0.05	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	148	148	< 0.005	0.02	0.01	155
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.05	0.57	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	137	137	< 0.005	0.01	0.20	139
Vendor	< 0.005	< 0.005	0.09	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	79.0	79.0	< 0.005	0.01	0.09	82.6
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	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	22.7	22.7	< 0.005	< 0.005	0.03	23.0
Vendor	< 0.005	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.1	13.1	< 0.005	< 0.005	0.01	13.7
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	0.00	0.00

3.13. Trenching (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

3.14. Trenching (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	0.23	4.26	4.31	0.01	0.13	—	0.13	0.12	—	0.12	—	611	611	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	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.04	0.04	0.69	0.70	< 0.005	0.02	—	0.02	0.02	—	0.02	—	98.7	98.7	< 0.005	< 0.005	—	99.1
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	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.13	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.3	16.3	< 0.005	< 0.005	—	16.4
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	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.04	0.77	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	141	141	0.01	< 0.005	0.52	143
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	21.2	21.2	< 0.005	< 0.005	0.04	21.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.51	3.51	< 0.005	< 0.005	0.01	3.56
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Site Prep Grading	Grading	4/15/2025	7/5/2025	5.00	59.0	Site Prep + Grading
Home Building	Building Construction	12/8/2025	10/8/2027	5.00	480	Vertical construction 12/2025 - 10/2027
Site Construction	Paving	7/7/2025	12/5/2025	5.00	110	Street improvements, sewer, water, curb, paving
Architectural Coating	Architectural Coating	1/11/2027	10/8/2027	5.00	195	At end of vertical construction
Trenching	Trenching	4/15/2025	7/5/2025	5.00	59.0	Trenching, Sewer, Storm Drain, and Water installation

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
Site Prep Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Site Prep Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Site Prep Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Site Prep Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Site Prep Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Home Building	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Home Building	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Home Building	Cranes	Diesel	Average	1.00	7.00	367	0.29
Home Building	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Home Building	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Site Construction	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Site Construction	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Site Construction	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	5.00	6.00	37.0	0.48
Trenching	Trenchers	Diesel	Average	2.00	7.00	40.0	0.50
Trenching	Excavators	Diesel	Average	2.00	7.00	36.0	0.38

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Prep Grading	Rubber Tired Dozers	Diesel	Tier 4 Interim	1.00	8.00	367	0.40
Site Prep Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	2.00	8.00	84.0	0.37

Site Prep Grading	Graders	Diesel	Tier 4 Interim	1.00	8.00	148	0.41
Site Prep Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Site Prep Grading	Scrapers	Diesel	Tier 4 Interim	2.00	8.00	423	0.48
Home Building	Forklifts	Diesel	Tier 4 Interim	3.00	8.00	82.0	0.20
Home Building	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Home Building	Cranes	Diesel	Tier 4 Interim	1.00	7.00	367	0.29
Home Building	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Home Building	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	3.00	7.00	84.0	0.37
Site Construction	Pavers	Diesel	Tier 4 Interim	2.00	8.00	81.0	0.42
Site Construction	Paving Equipment	Diesel	Tier 4 Interim	2.00	8.00	89.0	0.36
Site Construction	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	5.00	6.00	37.0	0.48
Trenching	Trenchers	Diesel	Tier 4 Interim	2.00	7.00	40.0	0.50
Trenching	Excavators	Diesel	Average	2.00	7.00	36.0	0.38

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Prep Grading	—	—	—	—
Site Prep Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Site Prep Grading	Vendor	—	10.2	HHDT,MHDT
Site Prep Grading	Hauling	0.00	20.0	HHDT
Site Prep Grading	Onsite truck	10.0	1.00	HHDT
Trenching	—	—	—	—
Trenching	Worker	10.0	18.5	LDA,LDT1,LDT2
Trenching	Vendor	—	10.2	HHDT,MHDT

Trenching	Hauling	0.00	20.0	HHDT
Trenching	Onsite truck	—	—	HHDT
Home Building	—	—	—	—
Home Building	Worker	102	18.5	LDA,LDT1,LDT2
Home Building	Vendor	15.2	10.2	HHDT,MHDT
Home Building	Hauling	7.00	20.0	HHDT
Home Building	Onsite truck	—	—	HHDT
Site Construction	—	—	—	—
Site Construction	Worker	15.0	18.5	LDA,LDT1,LDT2
Site Construction	Vendor	11.0	10.2	HHDT,MHDT
Site Construction	Hauling	0.00	20.0	HHDT
Site Construction	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	20.4	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	5.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Prep Grading	—	—	—	—
Site Prep Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Site Prep Grading	Vendor	—	10.2	HHDT,MHDT
Site Prep Grading	Hauling	0.00	20.0	HHDT
Site Prep Grading	Onsite truck	10.0	1.00	HHDT
Trenching	—	—	—	—
Trenching	Worker	10.0	18.5	LDA,LDT1,LDT2

Trenching	Vendor	—	10.2	HHDT,MHDT
Trenching	Hauling	0.00	20.0	HHDT
Trenching	Onsite truck	—	—	HHDT
Home Building	—	—	—	—
Home Building	Worker	102	18.5	LDA,LDT1,LDT2
Home Building	Vendor	15.2	10.2	HHDT,MHDT
Home Building	Hauling	7.00	20.0	HHDT
Home Building	Onsite truck	—	—	HHDT
Site Construction	—	—	—	—
Site Construction	Worker	15.0	18.5	LDA,LDT1,LDT2
Site Construction	Vendor	11.0	10.2	HHDT,MHDT
Site Construction	Hauling	0.00	20.0	HHDT
Site Construction	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	20.4	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	5.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

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

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	488,835	162,945	1,500	500	16,596

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 (sq. ft.)	Acres Paved (acres)
Site Prep Grading	0.00	0.00	177	0.00	—
Site Construction	0.00	0.00	0.00	0.00	6.35

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%
Parking Lot	3.64	100%
Other Non-Asphalt Surfaces	0.69	0%
Recreational Swimming Pool	0.00	0%
Other Asphalt Surfaces	2.02	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	532	0.03	< 0.005
2026	0.00	532	0.03	< 0.005
2027	0.00	532	0.03	< 0.005

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
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5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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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	29.5	annual days of extreme heat
Extreme Precipitation	2.30	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	6.30	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	97.0
AQ-PM	53.4
AQ-DPM	56.9
Drinking Water	17.3
Lead Risk Housing	34.4
Pesticides	66.9
Toxic Releases	31.5
Traffic	28.4
Effect Indicators	—
CleanUp Sites	71.6
Groundwater	0.00
Haz Waste Facilities/Generators	19.2
Impaired Water Bodies	0.00
Solid Waste	35.7
Sensitive Population	—
Asthma	64.6
Cardio-vascular	89.8
Low Birth Weights	71.0
Socioeconomic Factor Indicators	—
Education	81.1
Housing	79.9
Linguistic	43.9
Poverty	69.8

Unemployment	84.6
--------------	------

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	13.26831772
Employed	6.159373797
Median HI	22.3662261
Education	—
Bachelor's or higher	7.237264211
High school enrollment	100
Preschool enrollment	12.43423585
Transportation	—
Auto Access	68.11240857
Active commuting	29.86013089
Social	—
2-parent households	36.67393815
Voting	2.938534582
Neighborhood	—
Alcohol availability	75.8501219
Park access	25.68972154
Retail density	29.911459
Supermarket access	37.84165277
Tree canopy	2.361093289
Housing	—
Homeownership	49.49313486

Housing habitability	16.86128577
Low-inc homeowner severe housing cost burden	11.93378673
Low-inc renter severe housing cost burden	8.866931862
Uncrowded housing	24.38085461
Health Outcomes	—
Insured adults	4.953163095
Arthritis	65.9
Asthma ER Admissions	42.5
High Blood Pressure	49.4
Cancer (excluding skin)	93.3
Asthma	12.1
Coronary Heart Disease	72.1
Chronic Obstructive Pulmonary Disease	37.6
Diagnosed Diabetes	31.9
Life Expectancy at Birth	21.8
Cognitively Disabled	30.7
Physically Disabled	81.6
Heart Attack ER Admissions	7.4
Mental Health Not Good	12.4
Chronic Kidney Disease	45.1
Obesity	6.5
Pedestrian Injuries	19.6
Physical Health Not Good	18.5
Stroke	45.2
Health Risk Behaviors	—
Binge Drinking	55.6
Current Smoker	12.6

No Leisure Time for Physical Activity	13.3
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	41.8
Elderly	96.5
English Speaking	35.9
Foreign-born	68.2
Outdoor Workers	3.7
Climate Change Adaptive Capacity	—
Impervious Surface Cover	65.3
Traffic Density	25.1
Traffic Access	23.0
Other Indices	—
Hardship	93.5
Other Decision Support	—
2016 Voting	9.5

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	72.0
Healthy Places Index Score for Project Location (b)	7.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
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
Land Use	Based on applicant-provided information: building pad is 217,000 sf, and open space covers 100,500 sf. Building space is conservatively calculated as 141 units of 1700 square-foot apartments. Biorientation is based on hydrology study (Basin A is 0.338 acre and Basin B is 0.353 acre). Hardscape including roads is calculated as the balance of the site. Pickleball courts are included in hardscape but not added as a separated land use because it is limited to the community use and would not generate significant additional trips.
Construction: Construction Phases	Based on applicant-provided information.
Construction: Off-Road Equipment	Trenching equipment is added to the Trenching phase. Number of air compressors are increased in Coating Phase.
Construction: Trips and VMT	Site plan indicates cut is 29,000 cy and fill is 29,000 cy, therefore, the site is balanced and only on-site truck trips are added to the grading phase. For paving phase, assumes that 3.64 ac of hardscape and 2.02 ac of frontage are paved with 6 inch of asphalt, and it is estimated that 12 one-way vendor trips are needed per day. For Building Construction, building pad is 217,000 sf with 18 inches of foundation. The trips calculation sheets show that approximately 7 daily one-way trips are needed to cover 480 days of foundation construction, the trips needed for foundation are added to hauling trips for a conservative estimate. For coating phase, 5 vendor trips are included as conservative estimates.
Construction: Dust From Material Movement	Based on applicant, 29,000 cy of cut and 29,000 cy of fill, therefore the materials would be balanced on site.
Operations: Vehicle Data	Mitigated construction run only
Operations: Hearths	Mitigated construction run only



Appendix B: **Health Risk Assessment**



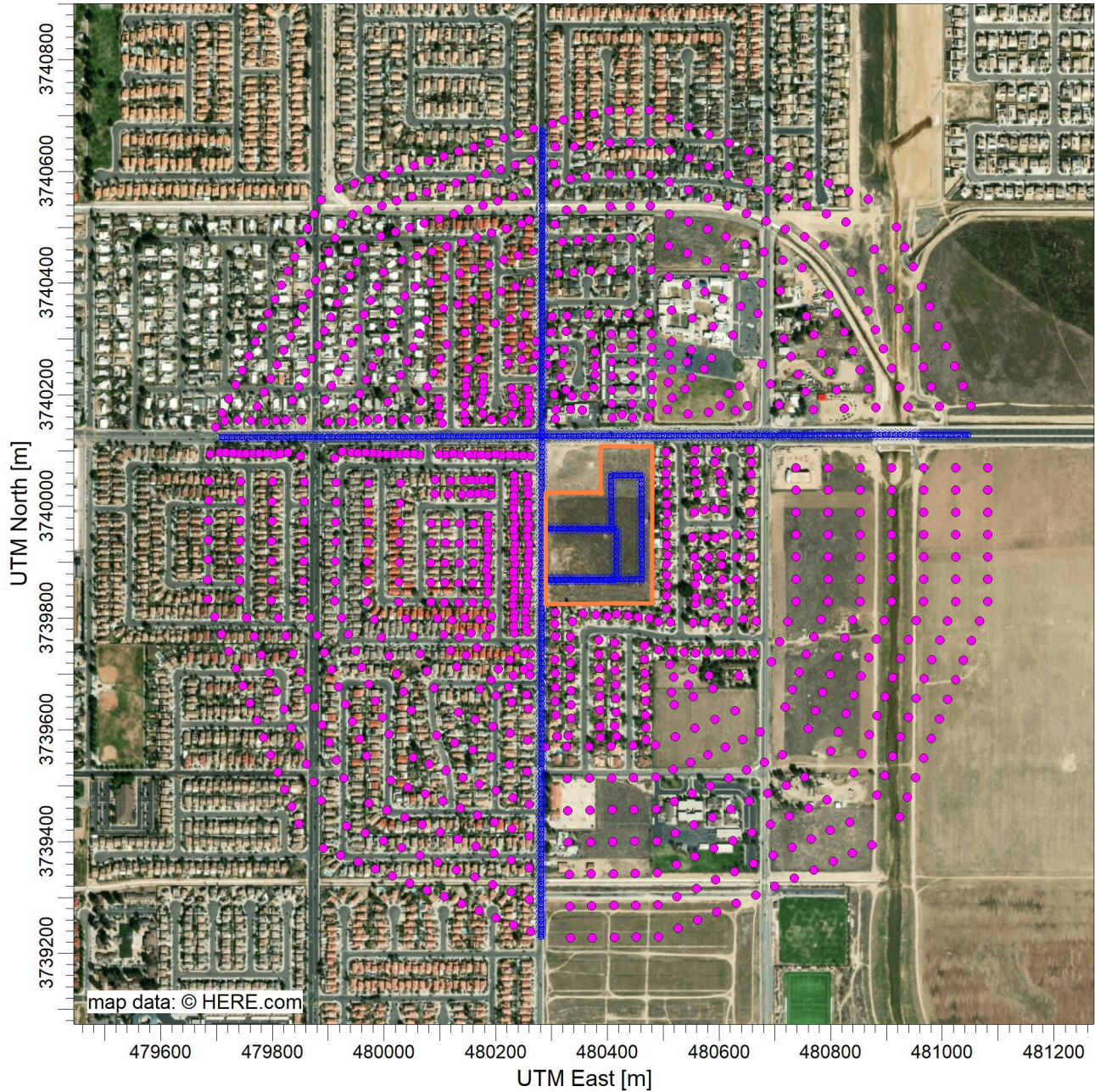
Appendix B: Health Risk Assessment

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PROJECT TITLE:

Graphical Representation of AERMOD Inputs



COMMENTS:

SOURCES:

COMPANY NAME:

5

RECEPTORS:

MODELER:

1072

SCALE:

1:11,496

0

0.4 km

DATE:

4/26/2024

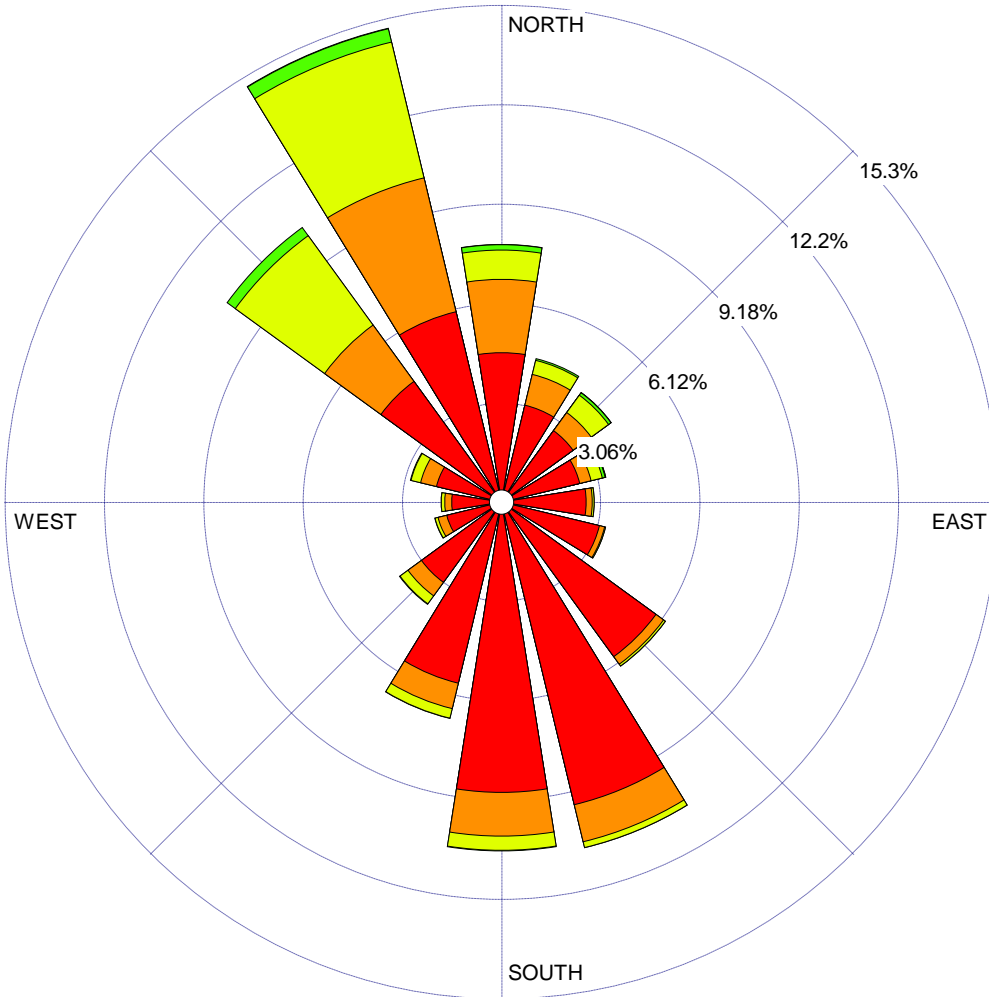
PROJECT NO.:

WIND ROSE PLOT:

Station #3171

DISPLAY:

**Wind Speed
Direction (blowing from)**



WIND SPEED
(m/s)

- >= 11.10
- 8.80 - 11.10
- 5.70 - 8.80
- 3.60 - 5.70
- 2.10 - 3.60
- 0.40 - 2.10

Calms: 2.23%

COMMENTS:

DATA PERIOD:

**Start Date: 1/1/2010 - 00:00
End Date: 12/31/2016 - 23:59**

COMPANY NAME:

South Coast Air Quality Management District

MODELER:

Melissa Sheffer



CALM WINDS:

2.23%

TOTAL COUNT:

43476 hrs.

AVG. WIND SPEED:

1.65 m/s

DATE:

5/25/2017

PROJECT NO.:

Maximally Exposed Individual Receptor (MEIR)

Maximally Exposed Individual Receptor from Acacia Pointe Residential Project Construction

Legend

- MEIR
- Project Site



Source Pathway

AERMOD

Building Downwash Information

Option not in use

Emission Rate Units for Output

For Concentration	
Unit Factor:	1E6
Emission Unit Label:	GRAMS/SEC
Concentration Unit Label:	MICROGRAMS/M**3

Source Groups

Source Group ID: On2	List of Sources in Group (Source Range or Single Sources)
	SLINE4
Source Group ID: On1	List of Sources in Group (Source Range or Single Sources)
	SLINE3
Source Group ID: Off2	List of Sources in Group (Source Range or Single Sources)
	SLINE2
Source Group ID: Off1	List of Sources in Group (Source Range or Single Sources)
	SLINE1
Source Group ID: Area	List of Sources in Group (Source Range or Single Sources)
	PAREA1
Source Group ID: ALL	List of Sources in Group (Source Range or Single Sources)
	All Sources Included

Variable Emissions

Source Pathway

AERMOD

Hour-of-Day / Day-of-Week Emission Rate Variation

Scenario: Scenario 2

Source ID:		PAREA1							
Weekdays		Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	4.20	4.20	4.20	4.20	4.20	0.00
	Day	13 - 18	4.20	4.20	4.20	4.20	0.00	0.00	
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Saturday		Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sunday		Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:		SLINE1							
Weekdays		Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	4.20	4.20	4.20	4.20	4.20	0.00
	Day	13 - 18	4.20	4.20	4.20	4.20	0.00	0.00	
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Saturday		Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sunday		Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:		SLINE2							
Weekdays		Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	4.20	4.20	4.20	4.20	4.20	0.00
	Day	13 - 18	4.20	4.20	4.20	4.20	0.00	0.00	
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Saturday		Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sunday		Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:		SLINE3							
Weekdays		Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	of	7 - 12	0.00	4.20	4.20	4.20	4.20	4.20	0.00
	Day	13 - 18	4.20	4.20	4.20	4.20	0.00	0.00	

Source Pathway

AERMOD

Scenario: Scenario 2

Source ID:		SLINE3						
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour		1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of		7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day		13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour		1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of		7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day		13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:		SLINE4						
Weekdays								
Hour		1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of		7 - 12	0.00	4.20	4.20	4.20	4.20	0.00
Day		13 - 18	4.20	4.20	4.20	4.20	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday								
Hour		1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of		7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day		13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday								
Hour		1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of		7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day		13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
		19 - 24	0.00	0.00	0.00	0.00	0.00	0.00

Acacia Pointe Residential Project (Unmitigated Construction—DPM)

Estimation of Annual Onsite Construction Emissions (Project Site)—DPM (Exhaust PM10)

Start of Construction	4/15/2025	
End of Construction	10/8/2027	Total
Number of Days	906	906
Number of Hours	21,744	21,744

Size of the construction area source (entire site): 45,780.9 sq-meters

Year	On-site Construction Activity	Unmitigated On-site DPM (pounds)
2025	Site Prep + Grading	72.86352
2025	Trenching	8.58459
2025	Site Construction	38.34471
2025	Home Building	7.40298
2026	Home Building	98.72051
2027	Home Building	67.55527
2027	Architectural Coating	18.57247

Total Unmitigated DPM (On-site) 3.120E+02 pounds

Factor in AERMOD to Account for 5 days per week/8 hours per day: 4.2

1 g/s used as the unit emission in AERMOD - converted to g/s/m2 in AERMOD

Average Emission (Emissions Summary for HARP2 Inputs)

Pounds/Construction Period	3.120E+02
Pounds/Day	3.444E-01
Pounds/Hour	1.435E-02
Pounds/Year	1.257E+02
Years	2.482191781

Acacia Pointe Residential Project (Unmitigated Construction—DPM)

Estimation of Annual Offsite Construction DPM (Exhaust PM10) Emissions - Project Construction

Start of Construction	4/15/2025	
End of Construction	10/8/2027	Total
Number of Days	906	906
Number of Hours	21,744	21,744

	2025	2025	2025	2025-2027	2027	
Construction Trips	Site Prep +	Trenching	Site Construction	Home Building	Architectural Coating	Total (Pounds)
Total (pounds)	0.03902	0.00000	0.54419	7.70372	0.43850	8.72543

Vendor Truck

	Haul Truck Trips	Trips	Worker Trips	Total Trips
Site Prep + Grading	0.00	0.00	1,180.00	1,180.00
Trenching	0.00	0.00	590.00	590.00
Site Construction	0.00	1,210.00	1,650.00	2,860.00
Home Building	3,360.00	7,297.93	48,890.88	59,548.81
Architectural Coating	0.00	975.00	3,972.38	4,947.38
Total	3,360.00	9,482.93	56,283.26	69,126.19
	Haul Truck (pounds)	Vendor Truck (pounds)	Worker (pounds)	Total (pounds)
	4.241E-01	1.197E+00	7.104E+00	8.725E+00

Average Emissions

Grams	1.925E+02	5.434E+02	3.225E+03
Grams/sec	2.460E-06	6.942E-06	4.120E-05

Default Distance (miles) 20 10.2 18.5 Vehicle Travel Distance Assumed in CalEEMod

Vehicle Travel Distances in the Construction HRA (miles)

Off-site Road Segment 1 (SLINE1)	0.83	0.83	0.83	miles
Off-site Road Segment 2 (SLINE2)	0.90	0.90	0.90	miles
On-site Road Segment 1 (SLINE3)	0.21	0.21	0.21	miles
On-site Road Segment 2 (SLINE3)	0.38	0.38	0.38	miles

Trip Distribution (percent)

Off-site Road Segment 1 (SLINE1)	50.0%	50.0%	50.0%	Off-site Road Segment 1
Off-site Road Segment 2 (SLINE2)	50.0%	50.0%	50.0%	Off-site Road Segment 2
On-site Road Segment 1 (SLINE3)	50.0%	50.0%	50.0%	On-site Road Segment 1
On-site Road Segment 2 (SLINE3)	50.0%	50.0%	50.0%	On-site Road Segment 2

Total Average Offsite Vehicle Emissions Along Travel Distance (g/sec)

				Total
Off-site Road Segment 1 (SLINE1)	5.1198E-08	2.8333E-07	9.2716E-07	1.2617E-06
Off-site Road Segment 2 (SLINE2)	5.5368E-08	3.0640E-07	1.0027E-06	1.3644E-06
On-site Road Segment 1 (SLINE3)	1.3059E-08	7.2270E-08	2.3650E-07	3.2183E-07
On-site Road Segment 2 (SLINE3)	2.3535E-08	1.3024E-07	4.2621E-07	5.7998E-07

Average Emission (Emissions Summary for HARP2 Inputs)

	Grams/sec	Pounds/Hour	Pounds/Day	Pounds/year	Tons/year	Max Pounds/Hour
Off-site Road Segment 1 (SLINE1)	1.2617E-06	1.0014E-05	2.4033E-04	2.1773E-01	1.0887E-04	3.0041E-05
Off-site Road Segment 2 (SLINE2)	1.3644E-06	1.0829E-05	2.5990E-04	2.3547E-01	1.1773E-04	3.2487E-05
On-site Road Segment 1 (SLINE3)	3.2183E-07	2.5542E-06	6.1301E-05	5.5539E-02	2.7769E-05	7.6627E-06
On-site Road Segment 2 (SLINE3)	5.7998E-07	4.6031E-06	1.1048E-04	1.0009E-01	5.0045E-05	1.3809E-05

Health Risk Summary - Unmitigated Construction (Summary of HARP2 Results)

Acacia Pointe Residential Project (Unmitigated Construction—DPM)

	RISK_SUM	Cancer Risk/million	MAXHI NonCancer Chronic	MAXHI Acute
Maximum Risk	2.6047E-05	26.047	1.4436E-02	0.00E+00
Maximally Exposed Individual Receptor				
	X	Y		
MEIR UTM	480416.32	3739807.22		
Latitude, Longitude: 33°47'53.7"N 117°12'41.6"W				
Receptor #957				

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*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Chronic Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Acute Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI NonCancerChronic	MAXHI Acute
1	ALL	480505.04	3740098.02	9.3285E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.1702E-03	0.0000E+00
2	ALL	480506.11	3740077.90	1.0864E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.0214E-03	0.0000E+00
3	ALL	480506.36	3740023.74	1.4738E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.1683E-03	0.0000E+00
4	ALL	480506.86	3739987.49	1.5824E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.7699E-03	0.0000E+00
5	ALL	480505.86	3739949.75	1.6848E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.3377E-03	0.0000E+00
6	ALL	480507.60	3739913.75	1.6096E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.9208E-03	0.0000E+00
7	ALL	480506.07	3739878.04	1.6005E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.8705E-03	0.0000E+00
8	ALL	480506.28	3739841.02	1.4286E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.9176E-03	0.0000E+00
9	ALL	480506.88	3740173.81	4.6657E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5859E-03	0.0000E+00
10	ALL	480556.88	3740101.75	3.5692E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9781E-03	0.0000E+00
11	ALL	480555.57	3740079.94	3.9065E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1651E-03	0.0000E+00
12	ALL	480561.13	3740023.27	4.4224E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4510E-03	0.0000E+00
13	ALL	480555.86	3739989.73	5.3794E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.9814E-03	0.0000E+00
14	ALL	480551.57	3739945.19	6.3050E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.4944E-03	0.0000E+00
15	ALL	480555.86	3739909.77	6.0165E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.3345E-03	0.0000E+00
16	ALL	480557.20	3739861.47	5.9208E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.2815E-03	0.0000E+00
17	ALL	480557.74	3739825.78	5.7833E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.2053E-03	0.0000E+00
18	ALL	480515.56	3740195.19	3.6338E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0140E-03	0.0000E+00
19	ALL	480573.25	3739995.00	3.9420E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1848E-03	0.0000E+00
20	ALL	480576.57	3739945.19	4.1596E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.3054E-03	0.0000E+00
21	ALL	480580.86	3739909.77	4.0906E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2672E-03	0.0000E+00
22	ALL	480580.86	3739869.79	4.2343E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.3468E-03	0.0000E+00
23	ALL	480580.86	3739829.81	4.2993E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.3828E-03	0.0000E+00
24	ALL	480581.17	3740168.88	2.2131E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2266E-03	0.0000E+00
25	ALL	480539.09	3740210.55	2.7113E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5027E-03	0.0000E+00
26	ALL	480509.37	3740222.60	3.1374E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7388E-03	0.0000E+00
27	ALL	480595.25	3740099.52	2.2368E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2397E-03	0.0000E+00
28	ALL	480600.00	3740059.73	2.2697E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2580E-03	0.0000E+00
29	ALL	480606.45	3740025.02	2.2634E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2544E-03	0.0000E+00
30	ALL	480608.20	3739993.54	2.3842E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3214E-03	0.0000E+00
31	ALL	480605.86	3739949.75	2.7114E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5027E-03	0.0000E+00
32	ALL	480604.44	3739913.09	2.9541E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6373E-03	0.0000E+00
33	ALL	480605.86	3739869.79	3.0875E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7112E-03	0.0000E+00
34	ALL	480604.44	3739824.60	3.2713E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8130E-03	0.0000E+00
35	ALL	480601.23	3740180.72	1.7858E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.8972E-04	0.0000E+00
36	ALL	480550.74	3740230.72	2.2394E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2411E-03	0.0000E+00
37	ALL	480515.07	3740245.19	2.6106E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4469E-03	0.0000E+00
38	ALL	480630.86	3739949.75	1.9847E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1000E-03	0.0000E+00
39	ALL	480630.86	3739909.77	2.1560E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1949E-03	0.0000E+00
40	ALL	480630.86	3739869.79	2.3190E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2853E-03	0.0000E+00
41	ALL	480630.86	3739829.81	2.4543E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3602E-03	0.0000E+00
42	ALL	480629.93	3740171.84	1.4281E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.9147E-04	0.0000E+00
43	ALL	480616.97	3740202.93	1.4906E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.2615E-04	0.0000E+00
44	ALL	480572.79	3740246.68	1.7951E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.9492E-04	0.0000E+00
45	ALL	480541.58	3740259.34	2.0636E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1437E-03	0.0000E+00
46	ALL	480510.37	3740272.00	2.2772E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2621E-03	0.0000E+00
47	ALL	480654.54	3740101.75	1.2586E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.9755E-04	0.0000E+00
48	ALL	480657.28	3740059.27	1.2489E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.9216E-04	0.0000E+00
49	ALL	480655.86	3740029.71	1.3045E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.2297E-04	0.0000E+00
50	ALL	480655.86	3739989.73	1.3890E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.6982E-04	0.0000E+00

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*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Chronic Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Acute Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI NonCancerChronic	MAXHI Acute
51	ALL	480655.86	3739949.75	1.5057E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.3450E-04	0.0000E+00
52	ALL	480655.86	3739909.77	1.6425E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.1035E-04	0.0000E+00
53	ALL	480655.86	3739869.79	1.7846E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.8908E-04	0.0000E+00
54	ALL	480655.86	3739829.81	1.9135E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0605E-03	0.0000E+00
55	ALL	480651.23	3740180.72	1.1912E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.6021E-04	0.0000E+00
56	ALL	480636.41	3740216.25	1.2554E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.9578E-04	0.0000E+00
57	ALL	480585.92	3740266.25	1.5348E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.5063E-04	0.0000E+00
58	ALL	480550.26	3740280.72	1.7748E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.8365E-04	0.0000E+00
59	ALL	480514.59	3740295.19	1.9633E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0881E-03	0.0000E+00
60	ALL	480707.52	3740182.75	7.9978E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.4326E-04	0.0000E+00
61	ALL	480692.28	3740219.30	8.5744E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.7522E-04	0.0000E+00
62	ALL	480677.04	3740255.84	9.0172E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.9976E-04	0.0000E+00
63	ALL	480625.11	3740307.26	1.0852E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.0147E-04	0.0000E+00
64	ALL	480588.43	3740322.15	1.2438E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.8935E-04	0.0000E+00
65	ALL	480551.74	3740337.03	1.3829E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.6642E-04	0.0000E+00
66	ALL	480515.05	3740351.92	1.4853E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.2319E-04	0.0000E+00
67	ALL	480738.00	3740069.69	6.6557E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.6888E-04	0.0000E+00
68	ALL	480738.00	3740029.71	6.6977E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.7121E-04	0.0000E+00
69	ALL	480738.00	3739989.73	6.9227E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.8368E-04	0.0000E+00
70	ALL	480738.00	3739949.75	7.3410E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.0686E-04	0.0000E+00
71	ALL	480738.00	3739909.77	7.9404E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.4008E-04	0.0000E+00
72	ALL	480738.00	3739869.79	8.6707E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.8056E-04	0.0000E+00
73	ALL	480738.00	3739829.81	9.4574E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.2416E-04	0.0000E+00
74	ALL	480768.54	3740173.47	5.5469E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0742E-04	0.0000E+00
75	ALL	480755.23	3740205.37	5.9121E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.2767E-04	0.0000E+00
76	ALL	480741.93	3740237.28	6.2919E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.4871E-04	0.0000E+00
77	ALL	480728.62	3740269.18	6.6250E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.6718E-04	0.0000E+00
78	ALL	480715.32	3740301.08	6.8750E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.8103E-04	0.0000E+00
79	ALL	480669.98	3740345.97	7.9658E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.4149E-04	0.0000E+00
80	ALL	480637.95	3740358.97	8.9185E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.9429E-04	0.0000E+00
81	ALL	480605.92	3740371.96	9.8294E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.4478E-04	0.0000E+00
82	ALL	480573.89	3740384.96	1.0643E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.8988E-04	0.0000E+00
83	ALL	480541.87	3740397.95	1.1308E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.2672E-04	0.0000E+00
84	ALL	480509.84	3740410.95	1.1779E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.5281E-04	0.0000E+00
85	ALL	480795.15	3740069.69	4.7109E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.6109E-04	0.0000E+00
86	ALL	480795.15	3740029.71	4.6916E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.6003E-04	0.0000E+00
87	ALL	480795.15	3739989.73	4.7978E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.6591E-04	0.0000E+00
88	ALL	480795.15	3739949.75	5.0256E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.7853E-04	0.0000E+00
89	ALL	480795.15	3739909.77	5.3713E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.9769E-04	0.0000E+00
90	ALL	480795.15	3739869.79	5.8164E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.2236E-04	0.0000E+00
91	ALL	480795.15	3739829.81	6.3260E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.5061E-04	0.0000E+00
92	ALL	480824.77	3740175.65	4.1242E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2858E-04	0.0000E+00
93	ALL	480811.01	3740208.64	4.3860E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4309E-04	0.0000E+00
94	ALL	480797.25	3740241.63	4.6860E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5972E-04	0.0000E+00
95	ALL	480783.50	3740274.62	4.9761E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.7579E-04	0.0000E+00
96	ALL	480769.74	3740307.60	5.2285E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.8978E-04	0.0000E+00
97	ALL	480755.98	3740340.59	5.4235E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0059E-04	0.0000E+00
98	ALL	480709.10	3740387.02	6.2421E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.4596E-04	0.0000E+00
99	ALL	480675.98	3740400.46	6.9459E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.8496E-04	0.0000E+00
100	ALL	480642.86	3740413.89	7.6316E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.2296E-04	0.0000E+00
101	ALL	480609.74	3740427.33	8.2667E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.5817E-04	0.0000E+00
102	ALL	480576.62	3740440.77	8.8209E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.8888E-04	0.0000E+00
103	ALL	480543.49	3740454.21	9.2662E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.1356E-04	0.0000E+00
104	ALL	480510.37	3740467.64	9.5782E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.3085E-04	0.0000E+00
105	ALL	480852.29	3740069.69	3.5268E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9546E-04	0.0000E+00
106	ALL	480852.29	3740029.71	3.4868E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9325E-04	0.0000E+00
107	ALL	480852.29	3739989.73	3.5409E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9625E-04	0.0000E+00
108	ALL	480852.29	3739949.75	3.6748E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0367E-04	0.0000E+00
109	ALL	480852.29	3739909.77	3.8848E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1531E-04	0.0000E+00
110	ALL	480852.29	3739869.79	4.1629E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.3072E-04	0.0000E+00
111	ALL	480852.29	3739829.81	4.4931E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4902E-04	0.0000E+00
112	ALL	480881.21	3740177.34	3.1838E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7646E-04	0.0000E+00
113	ALL	480867.10	3740211.17	3.3672E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8662E-04	0.0000E+00
114	ALL	480852.99	3740245.01	3.5973E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9937E-04	0.0000E+00
115	ALL	480838.88	3740278.84	3.8353E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1256E-04	0.0000E+00

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Cancer Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Chronic Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Acute Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI NonCancerChronic	MAXHI Acute
116	ALL	480824.76	3740312.68	4.0605E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2504E-04	0.0000E+00
117	ALL	480810.65	3740346.51	4.2563E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.3590E-04	0.0000E+00
118	ALL	480796.54	3740380.35	4.4116E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4450E-04	0.0000E+00
119	ALL	480748.46	3740427.97	5.0449E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.7960E-04	0.0000E+00
120	ALL	480714.49	3740441.75	5.5819E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0937E-04	0.0000E+00
121	ALL	480680.52	3740455.53	6.1117E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.3873E-04	0.0000E+00
122	ALL	480646.55	3740469.31	6.6144E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.6659E-04	0.0000E+00
123	ALL	480612.58	3740483.09	7.0710E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.9189E-04	0.0000E+00
124	ALL	480578.61	3740496.88	7.4635E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.1365E-04	0.0000E+00
125	ALL	480544.64	3740510.66	7.7762E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.3098E-04	0.0000E+00
126	ALL	480510.67	3740524.44	7.9942E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.4306E-04	0.0000E+00
127	ALL	480909.43	3740069.69	2.7541E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5264E-04	0.0000E+00
128	ALL	480909.43	3740029.71	2.7068E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5002E-04	0.0000E+00
129	ALL	480909.43	3739989.73	2.7345E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5156E-04	0.0000E+00
130	ALL	480909.43	3739949.75	2.8184E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5621E-04	0.0000E+00
131	ALL	480909.43	3739909.77	2.9532E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6367E-04	0.0000E+00
132	ALL	480909.43	3739869.79	3.1341E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7370E-04	0.0000E+00
133	ALL	480909.43	3739829.81	3.3529E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8583E-04	0.0000E+00
134	ALL	480937.79	3740178.69	2.5342E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4046E-04	0.0000E+00
135	ALL	480923.39	3740213.20	2.6614E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4750E-04	0.0000E+00
136	ALL	480909.00	3740247.72	2.8365E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5721E-04	0.0000E+00
137	ALL	480894.61	3740282.23	3.0269E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6776E-04	0.0000E+00
138	ALL	480880.21	3740316.74	3.2171E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7830E-04	0.0000E+00
139	ALL	480865.82	3740351.25	3.3948E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8815E-04	0.0000E+00
140	ALL	480851.43	3740385.76	3.5502E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9676E-04	0.0000E+00
141	ALL	480837.03	3740420.27	3.6764E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0376E-04	0.0000E+00
142	ALL	480787.99	3740468.84	4.1786E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.3159E-04	0.0000E+00
143	ALL	480753.34	3740482.90	4.5990E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5489E-04	0.0000E+00
144	ALL	480718.69	3740496.96	5.0179E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.7811E-04	0.0000E+00
145	ALL	480684.04	3740511.02	5.4221E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0051E-04	0.0000E+00
146	ALL	480649.39	3740525.07	5.7989E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.2139E-04	0.0000E+00
147	ALL	480614.74	3740539.13	6.1368E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.4012E-04	0.0000E+00
148	ALL	480580.09	3740553.19	6.4251E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.5610E-04	0.0000E+00
149	ALL	480545.44	3740567.25	6.6536E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.6877E-04	0.0000E+00
150	ALL	480510.79	3740581.30	6.8130E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.7760E-04	0.0000E+00
151	ALL	480966.57	3740069.69	2.2177E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2291E-04	0.0000E+00
152	ALL	480966.57	3740029.71	2.1695E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2024E-04	0.0000E+00
153	ALL	480966.57	3739989.73	2.1840E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2104E-04	0.0000E+00
154	ALL	480966.57	3739949.75	2.2397E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2413E-04	0.0000E+00
155	ALL	480966.57	3739909.77	2.3309E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2919E-04	0.0000E+00
156	ALL	480966.57	3739869.79	2.4538E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3600E-04	0.0000E+00
157	ALL	480966.57	3739829.81	2.6036E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4430E-04	0.0000E+00
158	ALL	480994.47	3740179.80	2.0612E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1424E-04	0.0000E+00
159	ALL	480979.84	3740214.87	2.1531E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1933E-04	0.0000E+00
160	ALL	480965.22	3740249.93	2.2883E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2682E-04	0.0000E+00
161	ALL	480950.60	3740285.00	2.4402E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3524E-04	0.0000E+00
162	ALL	480935.97	3740320.06	2.5975E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4396E-04	0.0000E+00
163	ALL	480921.35	3740355.13	2.7514E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5249E-04	0.0000E+00
164	ALL	480906.72	3740390.19	2.8944E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6042E-04	0.0000E+00
165	ALL	480892.10	3740425.26	3.0202E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6739E-04	0.0000E+00
166	ALL	480877.47	3740460.32	3.1243E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7316E-04	0.0000E+00
167	ALL	480827.64	3740509.67	3.5308E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9569E-04	0.0000E+00
168	ALL	480792.44	3740523.95	3.8673E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1434E-04	0.0000E+00
169	ALL	480757.23	3740538.24	4.2051E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.3306E-04	0.0000E+00
170	ALL	480722.03	3740552.52	4.5349E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5134E-04	0.0000E+00
171	ALL	480686.82	3740566.80	4.8482E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.6870E-04	0.0000E+00
172	ALL	480651.62	3740581.09	5.1368E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.8470E-04	0.0000E+00
173	ALL	480616.41	3740595.37	5.3940E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.9895E-04	0.0000E+00
174	ALL	480581.20	3740609.65	5.6124E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.1106E-04	0.0000E+00
175	ALL	480546.00	3740623.94	5.7851E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.2063E-04	0.0000E+00
176	ALL	480510.79	3740638.22	5.9058E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.2732E-04	0.0000E+00
177	ALL	481023.72	3740069.69	1.8152E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0060E-04	0.0000E+00
178	ALL	481023.72	3740029.71	1.7781E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.8548E-05	0.0000E+00
179	ALL	481023.72	3739989.73	1.7884E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.9121E-05	0.0000E+00
180	ALL	481023.72	3739949.75	1.8285E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0134E-04	0.0000E+00

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Cancer Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Chronic Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Acute Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI NonCancerChronic	MAXHI Acute
181	ALL	481023.72	3739909.77	1.8936E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0495E-04	0.0000E+00
182	ALL	481023.72	3739869.79	1.9808E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0978E-04	0.0000E+00
183	ALL	481023.72	3739829.81	2.0940E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1606E-04	0.0000E+00
184	ALL	481051.23	3740180.72	1.6811E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.3174E-05	0.0000E+00
185	ALL	481036.41	3740216.25	1.7703E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.8114E-05	0.0000E+00
186	ALL	481021.59	3740251.78	1.8807E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0423E-04	0.0000E+00
187	ALL	481006.78	3740287.30	2.0040E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1107E-04	0.0000E+00
188	ALL	480991.96	3740322.83	2.1338E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1826E-04	0.0000E+00
189	ALL	480977.14	3740358.36	2.2643E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2549E-04	0.0000E+00
190	ALL	480962.33	3740393.88	2.3887E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3239E-04	0.0000E+00
191	ALL	480947.51	3740429.41	2.5050E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3884E-04	0.0000E+00
192	ALL	480932.69	3740464.94	2.6111E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4472E-04	0.0000E+00
193	ALL	480917.88	3740500.46	2.6962E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4943E-04	0.0000E+00
194	ALL	480867.39	3740550.46	3.0301E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6794E-04	0.0000E+00
195	ALL	480831.72	3740564.93	3.3074E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8331E-04	0.0000E+00
196	ALL	480796.05	3740579.40	3.5844E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9866E-04	0.0000E+00
197	ALL	480760.38	3740593.87	3.8575E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1379E-04	0.0000E+00
198	ALL	480724.71	3740608.34	4.1205E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2837E-04	0.0000E+00
199	ALL	480689.05	3740622.82	4.3674E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4205E-04	0.0000E+00
200	ALL	480653.38	3740637.29	4.5935E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5459E-04	0.0000E+00
201	ALL	480617.71	3740651.76	4.7939E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.6569E-04	0.0000E+00
202	ALL	480582.04	3740666.23	4.9637E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.7510E-04	0.0000E+00
203	ALL	480546.37	3740680.70	5.0981E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.8255E-04	0.0000E+00
204	ALL	480510.70	3740695.17	5.1924E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.8778E-04	0.0000E+00
205	ALL	481080.86	3740069.69	1.4844E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.2268E-05	0.0000E+00
206	ALL	481080.86	3740029.71	1.4787E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.1952E-05	0.0000E+00
207	ALL	481080.86	3739989.73	1.4922E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.2701E-05	0.0000E+00
208	ALL	481080.86	3739949.75	1.5243E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.4482E-05	0.0000E+00
209	ALL	481080.86	3739909.77	1.5735E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.7207E-05	0.0000E+00
210	ALL	481080.86	3739869.79	1.6404E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.0915E-05	0.0000E+00
211	ALL	481080.86	3739829.81	1.7250E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.5606E-05	0.0000E+00
212	ALL	480491.51	3739794.36	1.3369E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.4094E-03	0.0000E+00
213	ALL	480436.79	3739804.61	2.3755E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3166E-02	0.0000E+00
214	ALL	480400.00	3739804.16	2.4805E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3748E-02	0.0000E+00
215	ALL	480355.99	3739808.44	2.5824E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4312E-02	0.0000E+00
216	ALL	480337.37	3739794.05	1.7736E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.8301E-03	0.0000E+00
217	ALL	480306.30	3739810.27	1.9593E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0859E-02	0.0000E+00
218	ALL	480333.83	3739767.06	1.0466E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.8008E-03	0.0000E+00
219	ALL	480305.75	3739789.76	1.2439E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.8943E-03	0.0000E+00
220	ALL	480553.97	3739792.26	5.7751E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.2007E-03	0.0000E+00
221	ALL	480465.92	3739751.46	9.4076E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.2140E-03	0.0000E+00
222	ALL	480413.07	3739756.55	1.1028E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.1123E-03	0.0000E+00
223	ALL	480384.08	3739760.72	1.1442E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.3413E-03	0.0000E+00
224	ALL	480332.99	3739745.54	7.5435E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.1808E-03	0.0000E+00
225	ALL	480306.44	3739767.75	8.5476E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.7373E-03	0.0000E+00
226	ALL	480514.73	3739741.56	6.5700E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.6413E-03	0.0000E+00
227	ALL	480574.04	3739792.09	4.5672E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5313E-03	0.0000E+00
228	ALL	480466.36	3739726.46	7.1935E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.9869E-03	0.0000E+00
229	ALL	480413.51	3739731.56	8.0173E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.4434E-03	0.0000E+00
230	ALL	480384.52	3739735.72	8.1206E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.5007E-03	0.0000E+00
231	ALL	480333.43	3739720.54	5.5322E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0661E-03	0.0000E+00
232	ALL	480305.65	3739726.33	5.0021E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.7723E-03	0.0000E+00
233	ALL	480512.06	3739717.29	5.5726E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0885E-03	0.0000E+00
234	ALL	480537.28	3739739.41	5.4839E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0393E-03	0.0000E+00
235	ALL	480593.92	3739800.61	3.6874E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0437E-03	0.0000E+00
236	ALL	480466.80	3739701.46	5.6784E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.1472E-03	0.0000E+00
237	ALL	480413.95	3739706.56	6.0763E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.3677E-03	0.0000E+00
238	ALL	480384.96	3739710.73	6.0465E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.3512E-03	0.0000E+00
239	ALL	480333.87	3739695.54	4.2459E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.3532E-03	0.0000E+00
240	ALL	480306.09	3739701.33	3.8938E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1581E-03	0.0000E+00
241	ALL	480518.30	3739694.78	4.6226E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5620E-03	0.0000E+00
242	ALL	480553.08	3739709.74	4.1960E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.3256E-03	0.0000E+00
243	ALL	480616.53	3739794.77	2.9115E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6136E-03	0.0000E+00
244	ALL	480467.25	3739676.47	4.5838E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5405E-03	0.0000E+00
245	ALL	480414.40	3739681.57	4.7497E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.6324E-03	0.0000E+00

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Cancer Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Chronic Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Acute Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI NonCancerChronic	MAXHI Acute
246	ALL	480385.41	3739685.73	4.6666E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5863E-03	0.0000E+00
247	ALL	480334.31	3739670.55	3.3686E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8670E-03	0.0000E+00
248	ALL	480306.54	3739676.33	3.1249E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7319E-03	0.0000E+00
249	ALL	480514.39	3739667.92	3.9178E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1713E-03	0.0000E+00
250	ALL	480544.83	3739681.00	3.7768E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0932E-03	0.0000E+00
251	ALL	480581.70	3739697.84	3.3148E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8372E-03	0.0000E+00
252	ALL	480618.24	3739737.83	2.7801E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5408E-03	0.0000E+00
253	ALL	480643.32	3739799.15	2.2369E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2397E-03	0.0000E+00
254	ALL	480467.69	3739651.47	3.7644E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0864E-03	0.0000E+00
255	ALL	480414.84	3739656.57	3.8038E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1082E-03	0.0000E+00
256	ALL	480385.85	3739660.73	3.7051E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0535E-03	0.0000E+00
257	ALL	480334.76	3739645.55	2.7416E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5195E-03	0.0000E+00
258	ALL	480306.98	3739651.34	2.5673E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4229E-03	0.0000E+00
259	ALL	480519.18	3739644.79	3.3490E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8561E-03	0.0000E+00
260	ALL	480553.96	3739659.74	3.2464E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7993E-03	0.0000E+00
261	ALL	480588.75	3739674.69	2.9251E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6212E-03	0.0000E+00
262	ALL	480640.28	3739739.99	2.3205E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2861E-03	0.0000E+00
263	ALL	480666.53	3739794.77	1.8158E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0064E-03	0.0000E+00
264	ALL	480468.13	3739626.48	3.1386E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7395E-03	0.0000E+00
265	ALL	480415.28	3739631.57	3.1084E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7228E-03	0.0000E+00
266	ALL	480386.29	3739635.74	3.0108E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6687E-03	0.0000E+00
267	ALL	480335.20	3739620.56	2.2777E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2624E-03	0.0000E+00
268	ALL	480307.42	3739626.34	2.1494E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1912E-03	0.0000E+00
269	ALL	480521.19	3739588.09	2.3917E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3256E-03	0.0000E+00
270	ALL	480556.96	3739603.46	2.4255E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3443E-03	0.0000E+00
271	ALL	480592.74	3739618.84	2.3120E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2814E-03	0.0000E+00
272	ALL	480628.51	3739634.22	2.0749E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1500E-03	0.0000E+00
273	ALL	480635.55	3739697.45	2.2936E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2712E-03	0.0000E+00
274	ALL	480693.78	3739721.68	1.5302E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.4808E-04	0.0000E+00
275	ALL	480708.52	3739757.73	1.3364E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.4068E-04	0.0000E+00
276	ALL	480723.26	3739793.77	1.1345E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.2880E-04	0.0000E+00
277	ALL	480485.41	3739572.71	2.2289E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2353E-03	0.0000E+00
278	ALL	480445.88	3739572.01	2.1595E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1969E-03	0.0000E+00
279	ALL	480406.35	3739571.31	1.9996E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1082E-03	0.0000E+00
280	ALL	480366.82	3739570.61	1.8032E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.9941E-04	0.0000E+00
281	ALL	480327.29	3739569.91	1.6007E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.8718E-04	0.0000E+00
282	ALL	480287.76	3739569.21	1.4324E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.9390E-04	0.0000E+00
283	ALL	480517.66	3739529.00	1.7487E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.6920E-04	0.0000E+00
284	ALL	480548.89	3739542.42	1.8288E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0136E-03	0.0000E+00
285	ALL	480580.12	3739555.85	1.8457E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0229E-03	0.0000E+00
286	ALL	480611.35	3739569.28	1.7932E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.9387E-04	0.0000E+00
287	ALL	480642.59	3739582.70	1.6778E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.2990E-04	0.0000E+00
288	ALL	480673.82	3739596.13	1.5166E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.4056E-04	0.0000E+00
289	ALL	480717.92	3739641.02	1.2820E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.1053E-04	0.0000E+00
290	ALL	480730.79	3739672.48	1.2005E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.6534E-04	0.0000E+00
291	ALL	480743.66	3739703.95	1.0949E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.0682E-04	0.0000E+00
292	ALL	480756.53	3739735.41	9.7616E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.4102E-04	0.0000E+00
293	ALL	480769.40	3739766.88	8.4815E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.7007E-04	0.0000E+00
294	ALL	480782.28	3739798.34	7.3426E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.0695E-04	0.0000E+00
295	ALL	480486.42	3739515.57	1.6210E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.9841E-04	0.0000E+00
296	ALL	480446.89	3739514.87	1.5513E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.5977E-04	0.0000E+00
297	ALL	480407.36	3739514.17	1.4366E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.9622E-04	0.0000E+00
298	ALL	480367.83	3739513.47	1.3047E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.2311E-04	0.0000E+00
299	ALL	480328.30	3739512.77	1.1799E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.5396E-04	0.0000E+00
300	ALL	480519.73	3739472.32	1.3292E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.3666E-04	0.0000E+00
301	ALL	480552.03	3739486.21	1.4090E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.8090E-04	0.0000E+00
302	ALL	480584.33	3739500.09	1.4503E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.0380E-04	0.0000E+00
303	ALL	480616.63	3739513.97	1.4450E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.0088E-04	0.0000E+00
304	ALL	480648.92	3739527.86	1.3922E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.7162E-04	0.0000E+00
305	ALL	480681.22	3739541.74	1.2982E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.1950E-04	0.0000E+00
306	ALL	480713.52	3739555.62	1.1752E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.5133E-04	0.0000E+00
307	ALL	480759.12	3739602.04	9.9824E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.5326E-04	0.0000E+00
308	ALL	480772.43	3739634.58	9.3731E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.1949E-04	0.0000E+00
309	ALL	480785.74	3739667.12	8.5994E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.7660E-04	0.0000E+00
310	ALL	480799.05	3739699.66	7.7307E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.2846E-04	0.0000E+00

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Cancer Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Chronic Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Acute Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI NonCancerChronic	MAXHI Acute
311	ALL	480812.36	3739732.20	6.8389E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.7903E-04	0.0000E+00
312	ALL	480825.67	3739764.73	5.9349E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.2893E-04	0.0000E+00
313	ALL	480838.98	3739797.27	5.1624E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.8612E-04	0.0000E+00
314	ALL	480487.44	3739458.44	1.2236E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.7813E-04	0.0000E+00
315	ALL	480447.91	3739457.74	1.1636E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.4489E-04	0.0000E+00
316	ALL	480408.38	3739457.04	1.0843E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.0097E-04	0.0000E+00
317	ALL	480368.85	3739456.34	9.9752E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.5286E-04	0.0000E+00
318	ALL	480329.32	3739455.64	9.0958E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.0412E-04	0.0000E+00
319	ALL	480521.57	3739415.54	1.0375E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.7499E-04	0.0000E+00
320	ALL	480554.70	3739429.78	1.1087E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.1446E-04	0.0000E+00
321	ALL	480587.82	3739444.02	1.1570E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.4123E-04	0.0000E+00
322	ALL	480620.95	3739458.26	1.1748E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.5112E-04	0.0000E+00
323	ALL	480654.08	3739472.50	1.1584E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.4204E-04	0.0000E+00
324	ALL	480687.20	3739486.74	1.1089E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.1458E-04	0.0000E+00
325	ALL	480720.33	3739500.98	1.0318E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.7186E-04	0.0000E+00
326	ALL	480753.45	3739515.22	9.3592E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.1872E-04	0.0000E+00
327	ALL	480800.23	3739562.83	7.9915E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.4291E-04	0.0000E+00
328	ALL	480813.88	3739596.20	7.5253E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.1708E-04	0.0000E+00
329	ALL	480827.53	3739629.58	6.9442E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.8487E-04	0.0000E+00
330	ALL	480841.18	3739662.95	6.2935E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.4881E-04	0.0000E+00
331	ALL	480854.83	3739696.32	5.6212E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.1154E-04	0.0000E+00
332	ALL	480868.48	3739729.69	4.9323E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.7336E-04	0.0000E+00
333	ALL	480882.13	3739763.07	4.3336E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4018E-04	0.0000E+00
334	ALL	480895.78	3739796.44	3.8045E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1086E-04	0.0000E+00
335	ALL	480488.45	3739401.31	9.5251E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.2791E-04	0.0000E+00
336	ALL	480448.92	3739400.61	9.0395E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.0099E-04	0.0000E+00
337	ALL	480409.39	3739399.91	8.4558E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.6865E-04	0.0000E+00
338	ALL	480369.86	3739399.21	7.8466E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.3488E-04	0.0000E+00
339	ALL	480330.33	3739398.51	7.2949E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.0431E-04	0.0000E+00
340	ALL	480523.25	3739358.70	8.2877E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.5933E-04	0.0000E+00
341	ALL	480557.04	3739373.22	8.8942E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.9295E-04	0.0000E+00
342	ALL	480590.82	3739387.74	9.3659E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.1909E-04	0.0000E+00
343	ALL	480624.61	3739402.27	9.6423E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.3441E-04	0.0000E+00
344	ALL	480658.40	3739416.79	9.6803E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.3651E-04	0.0000E+00
345	ALL	480692.19	3739431.32	9.4663E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.2465E-04	0.0000E+00
346	ALL	480725.98	3739445.84	9.0177E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.9979E-04	0.0000E+00
347	ALL	480759.76	3739460.36	8.3813E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.6452E-04	0.0000E+00
348	ALL	480793.55	3739474.89	7.6197E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.2231E-04	0.0000E+00
349	ALL	480841.26	3739523.45	6.5420E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.6258E-04	0.0000E+00
350	ALL	480855.19	3739557.49	6.1778E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.4239E-04	0.0000E+00
351	ALL	480869.11	3739591.53	5.7316E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.1766E-04	0.0000E+00
352	ALL	480883.03	3739625.57	5.2339E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.9008E-04	0.0000E+00
353	ALL	480896.96	3739659.61	4.7168E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.6142E-04	0.0000E+00
354	ALL	480910.88	3739693.65	4.2103E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.3335E-04	0.0000E+00
355	ALL	480924.80	3739727.69	3.7108E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0566E-04	0.0000E+00
356	ALL	480938.73	3739761.73	3.2866E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8215E-04	0.0000E+00
357	ALL	480952.65	3739795.77	2.9174E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6169E-04	0.0000E+00
358	ALL	480489.46	3739344.17	7.6102E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.2178E-04	0.0000E+00
359	ALL	480449.93	3739343.47	7.2243E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.0039E-04	0.0000E+00
360	ALL	480410.40	3739342.77	6.7882E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.7622E-04	0.0000E+00
361	ALL	480370.87	3739342.07	6.3486E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.5186E-04	0.0000E+00
362	ALL	480331.34	3739341.37	5.9716E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.3097E-04	0.0000E+00
363	ALL	480524.80	3739301.79	6.7557E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.7442E-04	0.0000E+00
364	ALL	480559.13	3739316.55	7.2618E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.0247E-04	0.0000E+00
365	ALL	480593.46	3739331.31	7.6897E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.2619E-04	0.0000E+00
366	ALL	480627.79	3739346.07	7.9936E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.4303E-04	0.0000E+00
367	ALL	480662.12	3739360.82	8.1351E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.5087E-04	0.0000E+00
368	ALL	480696.45	3739375.58	8.0915E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.4846E-04	0.0000E+00
369	ALL	480730.78	3739390.34	7.8606E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.3566E-04	0.0000E+00
370	ALL	480765.11	3739405.09	7.4619E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.1356E-04	0.0000E+00
371	ALL	480799.44	3739419.85	6.9325E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.8422E-04	0.0000E+00
372	ALL	480833.77	3739434.61	6.3183E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.5018E-04	0.0000E+00
373	ALL	480882.25	3739483.95	5.4543E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0229E-04	0.0000E+00
374	ALL	480896.40	3739518.54	5.1650E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.8626E-04	0.0000E+00
375	ALL	480910.54	3739553.12	4.8155E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.6689E-04	0.0000E+00

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Cancer Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Chronic Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Acute Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI NonCancerChronic	MAXHI Acute
376	ALL	480924.69	3739587.71	4.4273E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4537E-04	0.0000E+00
377	ALL	480938.84	3739622.29	4.0230E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2297E-04	0.0000E+00
378	ALL	480952.98	3739656.88	3.6236E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0083E-04	0.0000E+00
379	ALL	480967.13	3739691.47	3.2453E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7986E-04	0.0000E+00
380	ALL	480981.28	3739726.05	2.8994E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6069E-04	0.0000E+00
381	ALL	480995.42	3739760.64	2.5924E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4368E-04	0.0000E+00
382	ALL	481009.57	3739795.22	2.3181E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2848E-04	0.0000E+00
383	ALL	480490.47	3739287.04	6.2160E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.4451E-04	0.0000E+00
384	ALL	480450.94	3739286.34	5.9102E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.2756E-04	0.0000E+00
385	ALL	480411.41	3739285.64	5.5784E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0917E-04	0.0000E+00
386	ALL	480371.88	3739284.94	5.2518E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.9107E-04	0.0000E+00
387	ALL	480332.35	3739284.24	4.9813E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.7608E-04	0.0000E+00
388	ALL	480526.26	3739244.86	5.6064E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.1072E-04	0.0000E+00
389	ALL	480561.05	3739259.81	6.0250E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.3392E-04	0.0000E+00
390	ALL	480595.83	3739274.76	6.3989E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.5465E-04	0.0000E+00
391	ALL	480630.61	3739289.71	6.6952E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.7107E-04	0.0000E+00
392	ALL	480665.39	3739304.66	6.8825E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.8145E-04	0.0000E+00
393	ALL	480700.17	3739319.61	6.9370E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.8447E-04	0.0000E+00
394	ALL	480734.96	3739334.56	6.8474E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.7950E-04	0.0000E+00
395	ALL	480769.74	3739349.51	6.6178E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.6678E-04	0.0000E+00
396	ALL	480804.52	3739364.46	6.2667E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.4732E-04	0.0000E+00
397	ALL	480839.30	3739379.42	5.8232E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.2274E-04	0.0000E+00
398	ALL	480874.08	3739394.37	5.3211E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.9491E-04	0.0000E+00
399	ALL	480923.20	3739444.36	4.6182E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5595E-04	0.0000E+00
400	ALL	480937.53	3739479.40	4.3848E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4302E-04	0.0000E+00
401	ALL	480951.86	3739514.44	4.1065E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2759E-04	0.0000E+00
402	ALL	480966.20	3739549.48	3.7983E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1051E-04	0.0000E+00
403	ALL	480980.53	3739584.52	3.4771E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9271E-04	0.0000E+00
404	ALL	480994.86	3739619.56	3.1576E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7500E-04	0.0000E+00
405	ALL	481009.19	3739654.61	2.8519E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5806E-04	0.0000E+00
406	ALL	481023.53	3739689.65	2.5689E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4238E-04	0.0000E+00
407	ALL	481037.86	3739724.69	2.3137E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2823E-04	0.0000E+00
408	ALL	481052.19	3739759.73	2.0884E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1575E-04	0.0000E+00
409	ALL	481066.53	3739794.77	1.8927E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0490E-04	0.0000E+00
410	ALL	480491.48	3739229.90	5.1736E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.8674E-04	0.0000E+00
411	ALL	480451.95	3739229.20	4.9300E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.7323E-04	0.0000E+00
412	ALL	480412.42	3739228.50	4.6725E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5897E-04	0.0000E+00
413	ALL	480372.89	3739227.80	4.4209E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4502E-04	0.0000E+00
414	ALL	480333.36	3739227.10	4.2034E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.3296E-04	0.0000E+00
415	ALL	480254.73	3739824.13	8.6740E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.8074E-03	0.0000E+00
416	ALL	480255.16	3739859.55	1.1185E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.1989E-03	0.0000E+00
417	ALL	480259.09	3739897.46	1.4064E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.7945E-03	0.0000E+00
418	ALL	480259.52	3739932.88	1.4689E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.1414E-03	0.0000E+00
419	ALL	480259.96	3739968.30	1.4264E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.9053E-03	0.0000E+00
420	ALL	480257.91	3740005.71	1.1612E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.4357E-03	0.0000E+00
421	ALL	480257.85	3740042.13	8.8515E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.9058E-03	0.0000E+00
422	ALL	480261.27	3740091.18	6.1745E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.4221E-03	0.0000E+00
423	ALL	480233.61	3739809.89	5.5359E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0682E-03	0.0000E+00
424	ALL	480233.65	3739862.35	7.2759E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.0325E-03	0.0000E+00
425	ALL	480234.09	3739897.77	8.0856E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.4813E-03	0.0000E+00
426	ALL	480234.53	3739933.19	8.4008E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.6560E-03	0.0000E+00
427	ALL	480234.96	3739968.61	8.1625E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.5239E-03	0.0000E+00
428	ALL	480232.91	3740006.77	6.9901E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.8741E-03	0.0000E+00
429	ALL	480233.85	3740043.18	5.9910E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.3204E-03	0.0000E+00
430	ALL	480236.28	3740091.49	4.7253E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.6189E-03	0.0000E+00
431	ALL	480232.71	3739799.69	5.1070E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.8304E-03	0.0000E+00
432	ALL	480233.03	3739773.68	4.2444E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.3524E-03	0.0000E+00
433	ALL	480230.62	3739824.25	5.7916E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.2099E-03	0.0000E+00
434	ALL	480233.55	3739848.47	6.8593E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.8016E-03	0.0000E+00
435	ALL	480231.75	3739907.79	7.8544E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.3532E-03	0.0000E+00
436	ALL	480211.28	3740091.80	3.6361E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0152E-03	0.0000E+00
437	ALL	480193.04	3739803.50	3.3353E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8485E-03	0.0000E+00
438	ALL	480231.49	3739785.43	4.5522E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5230E-03	0.0000E+00
439	ALL	480236.79	3739745.72	3.5499E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9675E-03	0.0000E+00
440	ALL	480260.88	3739736.02	3.9725E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2017E-03	0.0000E+00

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Cancer Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Chronic Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Acute Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI NonCancerChronic	MAXHI Acute
441	ALL	480183.22	3739827.55	3.2691E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8118E-03	0.0000E+00
442	ALL	480185.14	3739859.99	3.6138E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0029E-03	0.0000E+00
443	ALL	480184.09	3739898.39	3.7675E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0881E-03	0.0000E+00
444	ALL	480184.53	3739933.81	3.8307E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1231E-03	0.0000E+00
445	ALL	480184.97	3739969.23	3.6973E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0491E-03	0.0000E+00
446	ALL	480191.34	3740020.82	3.6369E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0157E-03	0.0000E+00
447	ALL	480191.12	3740046.80	3.3897E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8787E-03	0.0000E+00
448	ALL	480186.28	3740092.11	2.8303E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5687E-03	0.0000E+00
449	ALL	480170.50	3739797.80	2.6365E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4612E-03	0.0000E+00
450	ALL	480182.78	3739767.74	2.6056E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4441E-03	0.0000E+00
451	ALL	480225.18	3739725.57	2.8180E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5618E-03	0.0000E+00
452	ALL	480259.39	3739713.45	3.2489E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8006E-03	0.0000E+00
453	ALL	480158.22	3739827.85	2.5413E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4085E-03	0.0000E+00
454	ALL	480158.66	3739863.27	2.6918E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4919E-03	0.0000E+00
455	ALL	480159.09	3739898.69	2.7891E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5458E-03	0.0000E+00
456	ALL	480159.53	3739934.11	2.8091E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5669E-03	0.0000E+00
457	ALL	480159.97	3739969.53	2.7563E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5276E-03	0.0000E+00
458	ALL	480168.45	3740023.51	2.7941E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5486E-03	0.0000E+00
459	ALL	480166.12	3740047.11	2.6054E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4440E-03	0.0000E+00
460	ALL	480161.28	3740092.41	2.2648E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2552E-03	0.0000E+00
461	ALL	480144.27	3739801.11	2.1153E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1723E-03	0.0000E+00
462	ALL	480155.32	3739774.06	2.1454E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1890E-03	0.0000E+00
463	ALL	480166.38	3739747.01	2.1041E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1662E-03	0.0000E+00
464	ALL	480204.54	3739709.05	2.2248E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2330E-03	0.0000E+00
465	ALL	480231.65	3739698.15	2.4388E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3517E-03	0.0000E+00
466	ALL	480260.99	3739699.13	2.9339E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6261E-03	0.0000E+00
467	ALL	480133.22	3739828.16	2.0272E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1235E-03	0.0000E+00
468	ALL	480133.66	3739863.58	2.1222E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1762E-03	0.0000E+00
469	ALL	480134.10	3739899.00	2.1708E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2031E-03	0.0000E+00
470	ALL	480134.53	3739934.42	2.1728E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2042E-03	0.0000E+00
471	ALL	480134.97	3739969.84	2.1358E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1837E-03	0.0000E+00
472	ALL	480140.23	3740021.80	2.1208E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1754E-03	0.0000E+00
473	ALL	480142.88	3740046.83	2.0951E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1612E-03	0.0000E+00
474	ALL	480136.28	3740092.72	1.8448E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0225E-03	0.0000E+00
475	ALL	480121.12	3739796.91	1.7438E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.6645E-04	0.0000E+00
476	ALL	480134.01	3739765.35	1.7750E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.8379E-04	0.0000E+00
477	ALL	480146.90	3739733.79	1.7471E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.6827E-04	0.0000E+00
478	ALL	480191.43	3739689.51	1.8514E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0261E-03	0.0000E+00
479	ALL	480223.05	3739676.79	2.0291E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1246E-03	0.0000E+00
480	ALL	480254.68	3739664.06	2.2001E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2193E-03	0.0000E+00
481	ALL	480108.22	3739828.47	1.6611E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.2060E-04	0.0000E+00
482	ALL	480108.66	3739863.89	1.7162E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.5117E-04	0.0000E+00
483	ALL	480109.10	3739899.31	1.7391E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.6384E-04	0.0000E+00
484	ALL	480109.54	3739934.73	1.7335E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.6077E-04	0.0000E+00
485	ALL	480109.97	3739970.15	1.7061E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.4557E-04	0.0000E+00
486	ALL	480115.24	3740022.11	1.7042E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.4450E-04	0.0000E+00
487	ALL	480118.17	3740046.56	1.6987E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.4148E-04	0.0000E+00
488	ALL	480111.29	3740093.03	1.5287E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.4723E-04	0.0000E+00
489	ALL	480095.01	3739799.93	1.4566E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.0730E-04	0.0000E+00
490	ALL	480106.80	3739771.07	1.4975E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.2997E-04	0.0000E+00
491	ALL	480118.59	3739742.22	1.5006E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.3167E-04	0.0000E+00
492	ALL	480130.38	3739713.36	1.4689E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.1413E-04	0.0000E+00
493	ALL	480171.08	3739672.88	1.5355E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.5103E-04	0.0000E+00
494	ALL	480200.00	3739661.24	1.6578E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.1882E-04	0.0000E+00
495	ALL	480228.92	3739649.61	1.7724E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.8234E-04	0.0000E+00
496	ALL	480257.83	3739637.98	1.8895E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0472E-03	0.0000E+00
497	ALL	480083.23	3739828.78	1.3864E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.6837E-04	0.0000E+00
498	ALL	480083.66	3739864.20	1.4174E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.8558E-04	0.0000E+00
499	ALL	480084.10	3739899.62	1.4266E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.9069E-04	0.0000E+00
500	ALL	480084.54	3739935.04	1.4182E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.8599E-04	0.0000E+00
501	ALL	480084.98	3739970.46	1.3974E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.7448E-04	0.0000E+00
502	ALL	480090.24	3740022.42	1.4007E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.7630E-04	0.0000E+00
503	ALL	480091.12	3740048.04	1.3794E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.6449E-04	0.0000E+00
504	ALL	480098.56	3740093.98	1.3969E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.7420E-04	0.0000E+00
505	ALL	480038.72	3739798.57	1.0247E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.6791E-04	0.0000E+00

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Cancer Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Chronic Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Acute Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI NonCancerChronic	MAXHI Acute
506	ALL	480051.35	3739767.66	1.0664E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.9103E-04	0.0000E+00
507	ALL	480063.98	3739736.74	1.0869E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.0239E-04	0.0000E+00
508	ALL	480076.61	3739705.83	1.0822E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.9976E-04	0.0000E+00
509	ALL	480089.24	3739674.91	1.0525E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.8333E-04	0.0000E+00
510	ALL	480132.85	3739631.53	1.0880E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.0299E-04	0.0000E+00
511	ALL	480163.83	3739619.07	1.1604E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.4311E-04	0.0000E+00
512	ALL	480194.82	3739606.60	1.2274E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.8024E-04	0.0000E+00
513	ALL	480225.80	3739594.14	1.2917E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.1593E-04	0.0000E+00
514	ALL	480256.78	3739581.67	1.3643E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.5614E-04	0.0000E+00
515	ALL	480026.09	3739829.49	9.6850E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.3677E-04	0.0000E+00
516	ALL	480026.52	3739864.91	9.7526E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.4052E-04	0.0000E+00
517	ALL	480026.96	3739900.33	9.7278E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.3914E-04	0.0000E+00
518	ALL	480027.40	3739935.75	9.6412E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.3434E-04	0.0000E+00
519	ALL	480027.84	3739971.17	9.5210E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.2768E-04	0.0000E+00
520	ALL	480028.27	3740006.59	9.3886E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.2035E-04	0.0000E+00
521	ALL	480028.71	3740042.01	9.2585E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.1314E-04	0.0000E+00
522	ALL	480029.15	3740094.05	9.1554E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.0742E-04	0.0000E+00
523	ALL	479982.18	3739797.80	7.6196E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.2230E-04	0.0000E+00
524	ALL	479995.41	3739765.42	7.9796E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.4225E-04	0.0000E+00
525	ALL	480008.64	3739733.03	8.2241E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.5581E-04	0.0000E+00
526	ALL	480021.88	3739700.64	8.3147E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.6083E-04	0.0000E+00
527	ALL	480035.11	3739668.26	8.2338E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.5634E-04	0.0000E+00
528	ALL	480048.34	3739635.87	7.9917E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.4292E-04	0.0000E+00
529	ALL	480094.03	3739590.42	8.1329E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.5075E-04	0.0000E+00
530	ALL	480126.49	3739577.37	8.6230E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.7791E-04	0.0000E+00
531	ALL	480158.94	3739564.31	9.0439E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.0124E-04	0.0000E+00
532	ALL	480191.40	3739551.25	9.4425E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.2333E-04	0.0000E+00
533	ALL	480223.86	3739538.19	9.8460E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.4570E-04	0.0000E+00
534	ALL	480256.32	3739525.13	1.0360E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.7418E-04	0.0000E+00
535	ALL	479968.95	3739830.19	7.1912E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.9856E-04	0.0000E+00
536	ALL	479969.39	3739865.61	7.1867E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.9831E-04	0.0000E+00
537	ALL	479969.82	3739901.03	7.1416E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.9581E-04	0.0000E+00
538	ALL	479970.26	3739936.45	7.0748E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.9211E-04	0.0000E+00
539	ALL	479970.70	3739971.87	7.0021E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.8808E-04	0.0000E+00
540	ALL	479971.14	3740007.29	6.9349E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.8435E-04	0.0000E+00
541	ALL	479971.57	3740042.71	6.8833E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.8149E-04	0.0000E+00
542	ALL	480015.51	3740093.44	8.5205E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.7223E-04	0.0000E+00
543	ALL	479923.97	3739801.13	5.8860E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.2622E-04	0.0000E+00
544	ALL	479936.14	3739771.36	6.1529E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.4101E-04	0.0000E+00
545	ALL	479948.30	3739741.59	6.3766E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.5341E-04	0.0000E+00
546	ALL	479960.46	3739711.82	6.5352E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.6220E-04	0.0000E+00
547	ALL	479972.62	3739682.05	6.6103E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.6636E-04	0.0000E+00
548	ALL	479984.79	3739652.28	6.5924E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.6537E-04	0.0000E+00
549	ALL	479996.95	3739622.51	6.4817E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.5924E-04	0.0000E+00
550	ALL	480009.11	3739592.74	6.2899E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.4861E-04	0.0000E+00
551	ALL	480051.11	3739550.96	6.3242E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.5051E-04	0.0000E+00
552	ALL	480080.94	3739538.96	6.6061E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.6613E-04	0.0000E+00
553	ALL	480110.78	3739526.96	6.8873E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.8172E-04	0.0000E+00
554	ALL	480140.61	3739514.96	7.1253E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.9491E-04	0.0000E+00
555	ALL	480170.45	3739502.95	7.3553E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.0765E-04	0.0000E+00
556	ALL	480200.28	3739490.95	7.5879E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.2054E-04	0.0000E+00
557	ALL	480230.12	3739478.95	7.8466E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.3488E-04	0.0000E+00
558	ALL	480259.95	3739466.94	8.2531E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.5741E-04	0.0000E+00
559	ALL	479911.81	3739830.90	5.5985E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.1029E-04	0.0000E+00
560	ALL	479912.25	3739866.32	5.5752E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0899E-04	0.0000E+00
561	ALL	479912.68	3739901.74	5.5338E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0670E-04	0.0000E+00
562	ALL	479913.12	3739937.16	5.4861E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0406E-04	0.0000E+00
563	ALL	479913.56	3739972.58	5.4413E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0157E-04	0.0000E+00
564	ALL	479914.00	3740008.00	5.4068E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.9966E-04	0.0000E+00
565	ALL	479914.43	3740043.42	5.3922E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.9885E-04	0.0000E+00
566	ALL	479914.65	3740087.30	5.3961E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.9907E-04	0.0000E+00
567	ALL	479867.30	3739800.69	4.7432E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.6289E-04	0.0000E+00
568	ALL	479879.93	3739769.77	4.9549E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.7461E-04	0.0000E+00
569	ALL	479892.56	3739738.86	5.1444E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.8512E-04	0.0000E+00
570	ALL	479905.19	3739707.94	5.2957E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.9351E-04	0.0000E+00

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Cancer Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Chronic Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Acute Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI NonCancerChronic	MAXHI Acute
571	ALL	479917.82	3739677.03	5.3940E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.9895E-04	0.0000E+00
572	ALL	479930.45	3739646.11	5.4279E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0083E-04	0.0000E+00
573	ALL	479943.09	3739615.20	5.3927E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.9888E-04	0.0000E+00
574	ALL	479955.72	3739584.28	5.2905E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.9321E-04	0.0000E+00
575	ALL	479968.35	3739553.37	5.1315E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.8440E-04	0.0000E+00
576	ALL	480011.96	3739509.99	5.1307E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.8436E-04	0.0000E+00
577	ALL	480042.94	3739497.52	5.3173E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.9470E-04	0.0000E+00
578	ALL	480073.92	3739485.06	5.5223E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0606E-04	0.0000E+00
579	ALL	480104.91	3739472.59	5.6873E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.1521E-04	0.0000E+00
580	ALL	480135.89	3739460.13	5.8465E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.2403E-04	0.0000E+00
581	ALL	480166.87	3739447.67	6.0055E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.3284E-04	0.0000E+00
582	ALL	480197.85	3739435.20	6.1714E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.4204E-04	0.0000E+00
583	ALL	480228.83	3739422.74	6.3670E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.5288E-04	0.0000E+00
584	ALL	480259.82	3739410.27	6.7182E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.7234E-04	0.0000E+00
585	ALL	479854.67	3739831.60	4.5193E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5047E-04	0.0000E+00
586	ALL	479855.11	3739867.02	4.4945E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4910E-04	0.0000E+00
587	ALL	479855.55	3739902.44	4.4621E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4730E-04	0.0000E+00
588	ALL	479855.98	3739937.86	4.4293E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4548E-04	0.0000E+00
589	ALL	479856.42	3739973.28	4.4018E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4396E-04	0.0000E+00
590	ALL	479856.86	3740008.70	4.3857E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4307E-04	0.0000E+00
591	ALL	479857.30	3740044.12	4.3904E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4333E-04	0.0000E+00
592	ALL	479850.48	3740091.22	4.4019E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4397E-04	0.0000E+00
593	ALL	479810.55	3739800.46	3.9159E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1703E-04	0.0000E+00
594	ALL	479823.56	3739768.61	4.0826E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2627E-04	0.0000E+00
595	ALL	479836.57	3739736.75	4.2430E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.3516E-04	0.0000E+00
596	ALL	479849.59	3739704.90	4.3862E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4310E-04	0.0000E+00
597	ALL	479862.60	3739673.05	4.4947E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4911E-04	0.0000E+00
598	ALL	479875.61	3739641.20	4.5529E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5234E-04	0.0000E+00
599	ALL	479888.63	3739609.35	4.5613E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5280E-04	0.0000E+00
600	ALL	479901.64	3739577.50	4.5172E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5036E-04	0.0000E+00
601	ALL	479914.65	3739545.64	4.4241E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4520E-04	0.0000E+00
602	ALL	479927.67	3739513.79	4.2903E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.3778E-04	0.0000E+00
603	ALL	479972.60	3739469.10	4.2705E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.3668E-04	0.0000E+00
604	ALL	480004.52	3739456.25	4.4024E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4400E-04	0.0000E+00
605	ALL	480036.44	3739443.41	4.5247E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5077E-04	0.0000E+00
606	ALL	480068.36	3739430.57	4.6670E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5866E-04	0.0000E+00
607	ALL	480100.28	3739417.73	4.7820E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.6503E-04	0.0000E+00
608	ALL	480132.20	3739404.88	4.8942E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.7125E-04	0.0000E+00
609	ALL	480164.13	3739392.04	5.0091E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.7762E-04	0.0000E+00
610	ALL	480196.05	3739379.20	5.1331E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.8449E-04	0.0000E+00
611	ALL	480227.97	3739366.36	5.2876E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.9305E-04	0.0000E+00
612	ALL	480259.89	3739353.51	5.6039E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.1059E-04	0.0000E+00
613	ALL	479797.53	3739832.31	3.7474E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0769E-04	0.0000E+00
614	ALL	479797.97	3739867.73	3.7252E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0646E-04	0.0000E+00
615	ALL	479798.41	3739903.15	3.7001E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0507E-04	0.0000E+00
616	ALL	479798.85	3739938.57	3.6766E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0377E-04	0.0000E+00
617	ALL	479799.28	3739973.99	3.6590E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0279E-04	0.0000E+00
618	ALL	479799.72	3740009.41	3.6524E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0243E-04	0.0000E+00
619	ALL	479800.16	3740044.83	3.6671E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0324E-04	0.0000E+00
620	ALL	479803.01	3740092.73	3.8352E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1256E-04	0.0000E+00
621	ALL	479753.73	3739800.38	3.3275E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8442E-04	0.0000E+00
622	ALL	479767.06	3739767.75	3.4600E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9176E-04	0.0000E+00
623	ALL	479780.39	3739735.12	3.5877E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9884E-04	0.0000E+00
624	ALL	479793.72	3739702.49	3.7034E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0526E-04	0.0000E+00
625	ALL	479807.06	3739669.85	3.7990E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1055E-04	0.0000E+00
626	ALL	479820.39	3739637.22	3.8661E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1427E-04	0.0000E+00
627	ALL	479833.72	3739604.59	3.9000E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1615E-04	0.0000E+00
628	ALL	479847.05	3739571.96	3.8996E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1613E-04	0.0000E+00
629	ALL	479860.38	3739539.32	3.8573E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1378E-04	0.0000E+00
630	ALL	479873.72	3739506.69	3.7732E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0912E-04	0.0000E+00
631	ALL	479887.05	3739474.06	3.6591E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0280E-04	0.0000E+00
632	ALL	479933.08	3739428.27	3.6290E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0113E-04	0.0000E+00
633	ALL	479965.79	3739415.11	3.7255E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0648E-04	0.0000E+00
634	ALL	479998.49	3739401.95	3.8148E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1143E-04	0.0000E+00
635	ALL	480031.19	3739388.80	3.9142E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1693E-04	0.0000E+00

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Cancer Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Chronic Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Acute Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI NonCancerChronic	MAXHI Acute
636	ALL	480063.90	3739375.64	4.0035E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2189E-04	0.0000E+00
637	ALL	480096.60	3739362.48	4.0850E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2640E-04	0.0000E+00
638	ALL	480129.30	3739349.32	4.1670E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.3095E-04	0.0000E+00
639	ALL	480162.01	3739336.17	4.2524E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.3568E-04	0.0000E+00
640	ALL	480194.71	3739323.01	4.3468E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4091E-04	0.0000E+00
641	ALL	480227.41	3739309.85	4.4705E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4777E-04	0.0000E+00
642	ALL	480260.12	3739296.70	4.7605E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.6384E-04	0.0000E+00
643	ALL	479740.39	3739833.01	3.1959E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7713E-04	0.0000E+00
644	ALL	479740.83	3739868.43	3.1777E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7612E-04	0.0000E+00
645	ALL	479741.27	3739903.85	3.1583E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7504E-04	0.0000E+00
646	ALL	479741.71	3739939.27	3.1406E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7406E-04	0.0000E+00
647	ALL	479742.14	3739974.69	3.1277E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7334E-04	0.0000E+00
648	ALL	479742.58	3740010.11	3.1234E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7311E-04	0.0000E+00
649	ALL	479743.02	3740045.53	3.1370E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7386E-04	0.0000E+00
650	ALL	479741.04	3740094.65	3.2698E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8122E-04	0.0000E+00
651	ALL	479695.89	3739802.81	2.8755E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5937E-04	0.0000E+00
652	ALL	479708.52	3739771.89	2.9741E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6483E-04	0.0000E+00
653	ALL	479721.15	3739740.98	3.0716E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7024E-04	0.0000E+00
654	ALL	479733.78	3739710.06	3.1644E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7538E-04	0.0000E+00
655	ALL	479746.41	3739679.15	3.2481E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8002E-04	0.0000E+00
656	ALL	479759.04	3739648.23	3.3178E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8388E-04	0.0000E+00
657	ALL	479771.67	3739617.32	3.3687E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8670E-04	0.0000E+00
658	ALL	479784.30	3739586.40	3.3966E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8825E-04	0.0000E+00
659	ALL	479796.93	3739555.49	3.3984E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8835E-04	0.0000E+00
660	ALL	479809.56	3739524.57	3.3765E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8714E-04	0.0000E+00
661	ALL	479822.19	3739493.66	3.3295E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8453E-04	0.0000E+00
662	ALL	479834.82	3739462.74	3.2578E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8056E-04	0.0000E+00
663	ALL	479847.45	3739431.83	3.1647E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7540E-04	0.0000E+00
664	ALL	479891.07	3739388.45	3.1320E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7358E-04	0.0000E+00
665	ALL	479922.05	3739375.98	3.1993E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7731E-04	0.0000E+00
666	ALL	479953.03	3739363.52	3.2618E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8078E-04	0.0000E+00
667	ALL	479984.01	3739351.05	3.3209E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8405E-04	0.0000E+00
668	ALL	480014.99	3739338.59	3.3805E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8736E-04	0.0000E+00
669	ALL	480045.98	3739326.12	3.4516E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9130E-04	0.0000E+00
670	ALL	480076.96	3739313.66	3.5075E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9440E-04	0.0000E+00
671	ALL	480107.94	3739301.19	3.5637E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9751E-04	0.0000E+00
672	ALL	480138.92	3739288.73	3.6211E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0069E-04	0.0000E+00
673	ALL	480169.90	3739276.26	3.6817E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0405E-04	0.0000E+00
674	ALL	480200.89	3739263.80	3.7503E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0786E-04	0.0000E+00
675	ALL	480231.87	3739251.33	3.8423E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1295E-04	0.0000E+00
676	ALL	480262.85	3739238.87	4.0788E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2606E-04	0.0000E+00
677	ALL	479683.26	3739833.72	2.7788E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5401E-04	0.0000E+00
678	ALL	479683.69	3739869.14	2.7641E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5319E-04	0.0000E+00
679	ALL	479684.13	3739904.56	2.7489E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5235E-04	0.0000E+00
680	ALL	479684.57	3739939.98	2.7351E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5159E-04	0.0000E+00
681	ALL	479685.01	3739975.40	2.7241E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5098E-04	0.0000E+00
682	ALL	479685.44	3740010.82	2.7179E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5063E-04	0.0000E+00
683	ALL	479685.88	3740046.24	2.7193E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5071E-04	0.0000E+00
684	ALL	479688.73	3740094.15	2.7675E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5338E-04	0.0000E+00
685	ALL	480306.91	3740157.53	5.3796E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.9815E-03	0.0000E+00
686	ALL	480260.86	3740173.36	3.6122E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0020E-03	0.0000E+00
687	ALL	480215.29	3740154.20	2.8820E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5973E-03	0.0000E+00
688	ALL	480307.62	3740173.75	4.7982E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.6593E-03	0.0000E+00
689	ALL	480260.06	3740196.97	3.1572E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7498E-03	0.0000E+00
690	ALL	480235.48	3740184.04	2.8883E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6008E-03	0.0000E+00
691	ALL	480228.76	3740165.07	3.0237E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6758E-03	0.0000E+00
692	ALL	480191.97	3740155.78	2.3930E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3262E-03	0.0000E+00
693	ALL	480304.52	3740200.94	3.9242E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1749E-03	0.0000E+00
694	ALL	480257.01	3740210.97	2.8831E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5979E-03	0.0000E+00
695	ALL	480227.32	3740212.01	2.4189E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3406E-03	0.0000E+00
696	ALL	480174.75	3740195.52	1.8577E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0296E-03	0.0000E+00
697	ALL	480176.67	3740166.77	2.0640E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1439E-03	0.0000E+00
698	ALL	480316.22	3740231.95	3.3740E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8700E-03	0.0000E+00
699	ALL	480292.31	3740254.54	2.7445E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5211E-03	0.0000E+00
700	ALL	480266.27	3740246.59	2.5406E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4081E-03	0.0000E+00

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*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Chronic Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Acute Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI NonCancerChronic	MAXHI Acute
701	ALL	480177.97	3740207.78	1.8221E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0099E-03	0.0000E+00
702	ALL	480171.00	3740185.67	1.8712E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0371E-03	0.0000E+00
703	ALL	480146.20	3740152.03	1.7520E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.7100E-04	0.0000E+00
704	ALL	480319.32	3740256.76	2.9250E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6211E-03	0.0000E+00
705	ALL	480296.00	3740279.52	2.4266E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3449E-03	0.0000E+00
706	ALL	480271.14	3740271.93	2.3091E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2798E-03	0.0000E+00
707	ALL	480246.29	3740264.35	2.1219E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1760E-03	0.0000E+00
708	ALL	480221.43	3740256.76	1.9400E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0752E-03	0.0000E+00
709	ALL	480178.15	3740232.02	1.6891E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.3617E-04	0.0000E+00
710	ALL	480145.69	3740200.99	1.5337E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.5000E-04	0.0000E+00
711	ALL	480144.44	3740182.60	1.5955E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.8426E-04	0.0000E+00
712	ALL	480143.57	3740166.07	1.6560E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.1782E-04	0.0000E+00
713	ALL	480322.42	3740281.57	2.5529E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4149E-03	0.0000E+00
714	ALL	480298.51	3740311.39	2.0827E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1543E-03	0.0000E+00
715	ALL	480272.47	3740296.20	2.0813E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1535E-03	0.0000E+00
716	ALL	480246.43	3740288.25	1.9180E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0630E-03	0.0000E+00
717	ALL	480220.39	3740280.30	1.7603E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.7560E-04	0.0000E+00
718	ALL	480168.31	3740264.40	1.4563E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.0714E-04	0.0000E+00
719	ALL	480149.57	3740248.07	1.3871E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.6875E-04	0.0000E+00
720	ALL	480146.69	3740224.84	1.4508E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.0406E-04	0.0000E+00
721	ALL	480146.79	3740214.25	1.4918E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.2678E-04	0.0000E+00
722	ALL	480099.32	3740163.90	1.2605E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.9858E-04	0.0000E+00
723	ALL	480103.87	3740149.21	1.3386E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.4187E-04	0.0000E+00
724	ALL	480325.52	3740313.62	2.1597E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1969E-03	0.0000E+00
725	ALL	480300.78	3740340.12	1.8297E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0141E-03	0.0000E+00
726	ALL	480251.66	3740344.38	1.5652E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.6748E-04	0.0000E+00
727	ALL	480224.88	3740336.21	1.4641E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.1144E-04	0.0000E+00
728	ALL	480198.09	3740328.03	1.3636E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.5576E-04	0.0000E+00
729	ALL	480171.31	3740319.85	1.2590E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.9776E-04	0.0000E+00
730	ALL	480144.52	3740311.68	1.1526E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.3881E-04	0.0000E+00
731	ALL	480111.86	3740290.79	1.0497E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.8179E-04	0.0000E+00
732	ALL	480100.10	3740265.37	1.0464E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.7994E-04	0.0000E+00
733	ALL	480088.35	3740239.95	1.0356E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.7396E-04	0.0000E+00
734	ALL	480076.60	3740214.53	1.0180E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.6421E-04	0.0000E+00
735	ALL	480064.85	3740189.11	9.9509E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.5151E-04	0.0000E+00
736	ALL	480062.57	3740155.16	1.0373E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.7490E-04	0.0000E+00
737	ALL	480328.16	3740342.45	1.8769E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0402E-03	0.0000E+00
738	ALL	480312.80	3740417.58	1.3403E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.4284E-04	0.0000E+00
739	ALL	480261.11	3740401.80	1.3093E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.2565E-04	0.0000E+00
740	ALL	480235.26	3740393.91	1.2449E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.8995E-04	0.0000E+00
741	ALL	480209.41	3740386.02	1.1819E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.5505E-04	0.0000E+00
742	ALL	480183.57	3740378.13	1.1163E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.1871E-04	0.0000E+00
743	ALL	480157.72	3740370.24	1.0461E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.7977E-04	0.0000E+00
744	ALL	480131.88	3740362.35	9.7348E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.3953E-04	0.0000E+00
745	ALL	480106.03	3740354.46	9.0085E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.9928E-04	0.0000E+00
746	ALL	480074.51	3740334.31	8.2958E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.5978E-04	0.0000E+00
747	ALL	480063.17	3740309.78	8.2519E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.5734E-04	0.0000E+00
748	ALL	480051.83	3740285.25	8.1647E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.5251E-04	0.0000E+00
749	ALL	480040.49	3740260.72	8.0373E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.4545E-04	0.0000E+00
750	ALL	480029.15	3740236.19	7.8753E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.3647E-04	0.0000E+00
751	ALL	480017.81	3740211.67	7.6865E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.2601E-04	0.0000E+00
752	ALL	480006.47	3740187.14	7.4875E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.1498E-04	0.0000E+00
753	ALL	479989.56	3740157.03	7.1930E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.9866E-04	0.0000E+00
754	ALL	480339.71	3740419.78	1.3487E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.4752E-04	0.0000E+00
755	ALL	480319.62	3740474.20	1.0955E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.0716E-04	0.0000E+00
756	ALL	480266.86	3740458.09	1.1062E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.1308E-04	0.0000E+00
757	ALL	480240.48	3740450.04	1.0537E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.8397E-04	0.0000E+00
758	ALL	480214.10	3740441.99	1.0141E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.6204E-04	0.0000E+00
759	ALL	480187.72	3740433.94	9.7006E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.3764E-04	0.0000E+00
760	ALL	480161.34	3740425.88	9.2109E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.1050E-04	0.0000E+00
761	ALL	480134.96	3740417.83	8.6846E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.8133E-04	0.0000E+00
762	ALL	480108.58	3740409.78	8.1394E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.5111E-04	0.0000E+00
763	ALL	480082.20	3740401.72	7.5912E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.2073E-04	0.0000E+00
764	ALL	480055.82	3740393.67	7.0532E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.9091E-04	0.0000E+00
765	ALL	480036.85	3740377.13	6.7793E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.7573E-04	0.0000E+00

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Cancer Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Chronic Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Acute Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI NonCancerChronic	MAXHI Acute
766	ALL	480025.27	3740352.09	6.7320E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.7311E-04	0.0000E+00
767	ALL	480013.70	3740327.06	6.6557E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.6888E-04	0.0000E+00
768	ALL	480002.12	3740302.02	6.5525E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.6316E-04	0.0000E+00
769	ALL	479990.55	3740276.99	6.4258E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.5614E-04	0.0000E+00
770	ALL	479978.97	3740251.95	6.2799E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.4805E-04	0.0000E+00
771	ALL	479967.40	3740226.92	6.1217E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.3928E-04	0.0000E+00
772	ALL	479955.82	3740201.88	5.9598E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.3031E-04	0.0000E+00
773	ALL	479944.25	3740176.85	5.8137E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.2221E-04	0.0000E+00
774	ALL	479943.82	3740151.81	5.9996E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.3251E-04	0.0000E+00
775	ALL	480346.80	3740476.48	1.0923E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.0536E-04	0.0000E+00
776	ALL	480326.51	3740530.84	9.1379E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.0645E-04	0.0000E+00
777	ALL	480305.88	3740505.61	9.9319E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.5046E-04	0.0000E+00
778	ALL	480260.15	3740513.54	9.1791E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.0874E-04	0.0000E+00
779	ALL	480246.16	3740506.31	9.0643E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.0237E-04	0.0000E+00
780	ALL	480219.37	3740498.13	8.7871E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.8701E-04	0.0000E+00
781	ALL	480192.58	3740489.96	8.4912E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.7061E-04	0.0000E+00
782	ALL	480165.80	3740481.78	8.1530E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.5186E-04	0.0000E+00
783	ALL	480139.01	3740473.60	7.7761E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.3098E-04	0.0000E+00
784	ALL	480112.23	3740465.43	7.3717E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.0856E-04	0.0000E+00
785	ALL	480085.44	3740457.25	6.9518E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.8529E-04	0.0000E+00
786	ALL	480058.66	3740449.07	6.5275E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.6178E-04	0.0000E+00
787	ALL	480031.87	3740440.90	6.1083E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.3854E-04	0.0000E+00
788	ALL	479999.21	3740420.01	5.6877E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.1523E-04	0.0000E+00
789	ALL	479987.45	3740394.59	5.6426E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.1273E-04	0.0000E+00
790	ALL	479975.70	3740369.17	5.5773E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0911E-04	0.0000E+00
791	ALL	479963.95	3740343.75	5.4936E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0447E-04	0.0000E+00
792	ALL	479952.20	3740318.33	5.3934E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.9892E-04	0.0000E+00
793	ALL	479940.44	3740292.91	5.2797E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.9262E-04	0.0000E+00
794	ALL	479928.69	3740267.49	5.1562E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.8577E-04	0.0000E+00
795	ALL	479916.94	3740242.07	5.0268E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.7860E-04	0.0000E+00
796	ALL	479905.18	3740216.64	4.8971E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.7141E-04	0.0000E+00
797	ALL	479893.43	3740191.22	4.7780E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.6481E-04	0.0000E+00
798	ALL	479881.58	3740155.21	4.3421E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4065E-04	0.0000E+00
799	ALL	480353.90	3740533.18	9.0519E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.0168E-04	0.0000E+00
800	ALL	480333.91	3740587.63	7.7219E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.2797E-04	0.0000E+00
801	ALL	480307.74	3740579.65	8.0031E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.4356E-04	0.0000E+00
802	ALL	480255.40	3740563.67	7.9392E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.4002E-04	0.0000E+00
803	ALL	480229.23	3740555.68	7.7154E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.2761E-04	0.0000E+00
804	ALL	480203.06	3740547.69	7.5246E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.1704E-04	0.0000E+00
805	ALL	480176.89	3740539.70	7.3076E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.0501E-04	0.0000E+00
806	ALL	480150.72	3740531.71	7.0575E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.9115E-04	0.0000E+00
807	ALL	480124.55	3740523.72	6.7783E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.7567E-04	0.0000E+00
808	ALL	480098.38	3740515.74	6.4768E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.5896E-04	0.0000E+00
809	ALL	480072.21	3740507.75	6.1610E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.4146E-04	0.0000E+00
810	ALL	480046.04	3740499.76	5.8381E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.2357E-04	0.0000E+00
811	ALL	480019.87	3740491.77	5.5148E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0565E-04	0.0000E+00
812	ALL	479993.70	3740483.78	5.1968E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.8802E-04	0.0000E+00
813	ALL	479967.19	3740463.37	4.8744E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.7015E-04	0.0000E+00
814	ALL	479950.31	3740438.54	4.8350E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.6797E-04	0.0000E+00
815	ALL	479938.83	3740413.70	4.7823E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.6505E-04	0.0000E+00
816	ALL	479927.34	3740388.87	4.7171E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.6144E-04	0.0000E+00
817	ALL	479915.86	3740364.03	4.6412E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5723E-04	0.0000E+00
818	ALL	479904.38	3740339.19	4.5559E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5250E-04	0.0000E+00
819	ALL	479892.90	3740314.36	4.4629E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4735E-04	0.0000E+00
820	ALL	479881.41	3740289.52	4.3646E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4190E-04	0.0000E+00
821	ALL	479869.93	3740264.69	4.2632E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.3628E-04	0.0000E+00
822	ALL	479858.45	3740239.85	4.1618E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.3066E-04	0.0000E+00
823	ALL	479846.96	3740215.01	4.0645E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2527E-04	0.0000E+00
824	ALL	479835.48	3740190.18	3.9809E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2063E-04	0.0000E+00
825	ALL	479823.44	3740155.31	3.9939E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2135E-04	0.0000E+00
826	ALL	480360.99	3740589.88	7.6224E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.2245E-04	0.0000E+00
827	ALL	480340.84	3740644.28	6.6260E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.6723E-04	0.0000E+00
828	ALL	480303.19	3740613.90	7.3818E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.0912E-04	0.0000E+00
829	ALL	480261.32	3740620.01	7.0168E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.8889E-04	0.0000E+00
830	ALL	480234.81	3740611.92	6.7986E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.7680E-04	0.0000E+00

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Cancer Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Chronic Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Acute Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI	MAXHI
						NonCancerChronic	Acute
831	ALL	480208.30	3740603.83	6.6643E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.6936E-04	0.0000E+00
832	ALL	480181.80	3740595.73	6.5170E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.6119E-04	0.0000E+00
833	ALL	480155.29	3740587.64	6.3422E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.5151E-04	0.0000E+00
834	ALL	480128.78	3740579.55	6.1404E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.4032E-04	0.0000E+00
835	ALL	480102.28	3740571.46	5.9160E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.2788E-04	0.0000E+00
836	ALL	480075.77	3740563.37	5.6739E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.1446E-04	0.0000E+00
837	ALL	480049.26	3740555.28	5.4199E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0039E-04	0.0000E+00
838	ALL	480022.76	3740547.19	5.1597E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.8597E-04	0.0000E+00
839	ALL	479996.25	3740539.09	4.8980E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.7146E-04	0.0000E+00
840	ALL	479969.74	3740531.00	4.6390E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5711E-04	0.0000E+00
841	ALL	479943.24	3740522.91	4.3866E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4312E-04	0.0000E+00
842	ALL	479924.17	3740506.29	4.2498E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.3554E-04	0.0000E+00
843	ALL	479912.54	3740481.13	4.2142E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.3357E-04	0.0000E+00
844	ALL	479900.91	3740455.98	4.1687E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.3104E-04	0.0000E+00
845	ALL	479889.28	3740430.82	4.1143E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2803E-04	0.0000E+00
846	ALL	479877.65	3740405.66	4.0519E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2457E-04	0.0000E+00
847	ALL	479866.02	3740380.51	3.9827E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2073E-04	0.0000E+00
848	ALL	479854.38	3740355.35	3.9077E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1658E-04	0.0000E+00
849	ALL	479842.75	3740330.20	3.8285E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1219E-04	0.0000E+00
850	ALL	479831.12	3740305.04	3.7463E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0763E-04	0.0000E+00
851	ALL	479819.49	3740279.89	3.6573E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0270E-04	0.0000E+00
852	ALL	479807.86	3740254.73	3.5684E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9777E-04	0.0000E+00
853	ALL	479796.23	3740229.58	3.4847E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9313E-04	0.0000E+00
854	ALL	479784.60	3740204.42	3.4124E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8913E-04	0.0000E+00
855	ALL	479772.97	3740179.26	3.3605E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8625E-04	0.0000E+00
856	ALL	479761.34	3740154.11	3.3789E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8727E-04	0.0000E+00
857	ALL	480368.08	3740646.58	6.5357E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.6223E-04	0.0000E+00
858	ALL	480347.79	3740700.94	5.7624E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.1937E-04	0.0000E+00
859	ALL	480321.00	3740692.77	5.8983E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.2690E-04	0.0000E+00
860	ALL	480302.09	3740685.24	6.0539E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.3553E-04	0.0000E+00
861	ALL	480267.43	3740676.41	6.1604E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.4143E-04	0.0000E+00
862	ALL	480240.65	3740668.24	6.0167E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.3347E-04	0.0000E+00
863	ALL	480213.86	3740660.06	5.9359E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.2899E-04	0.0000E+00
864	ALL	480187.08	3740651.88	5.8419E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.2378E-04	0.0000E+00
865	ALL	480160.29	3740643.70	5.7235E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.1721E-04	0.0000E+00
866	ALL	480133.50	3740635.53	5.5803E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0928E-04	0.0000E+00
867	ALL	480106.72	3740627.35	5.4152E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0013E-04	0.0000E+00
868	ALL	480079.93	3740619.17	5.2317E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.8996E-04	0.0000E+00
869	ALL	480053.15	3740611.00	5.0342E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.7901E-04	0.0000E+00
870	ALL	480026.36	3740602.82	4.8268E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.6752E-04	0.0000E+00
871	ALL	479999.58	3740594.64	4.6139E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5572E-04	0.0000E+00
872	ALL	479972.79	3740586.47	4.3987E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4379E-04	0.0000E+00
873	ALL	479946.01	3740578.29	4.1844E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.3191E-04	0.0000E+00
874	ALL	479919.22	3740570.11	3.9734E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2022E-04	0.0000E+00
875	ALL	479886.56	3740549.23	3.7531E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0801E-04	0.0000E+00
876	ALL	479874.80	3740523.81	3.7208E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0622E-04	0.0000E+00
877	ALL	479863.05	3740498.39	3.6795E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0393E-04	0.0000E+00
878	ALL	479851.30	3740472.97	3.6378E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0162E-04	0.0000E+00
879	ALL	479839.55	3740447.55	3.5812E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9848E-04	0.0000E+00
880	ALL	479827.79	3740422.13	3.5205E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9511E-04	0.0000E+00
881	ALL	479816.04	3740396.71	3.4632E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9194E-04	0.0000E+00
882	ALL	479804.29	3740371.28	3.3962E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8823E-04	0.0000E+00
883	ALL	479792.53	3740345.86	3.3273E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8441E-04	0.0000E+00
884	ALL	479780.78	3740320.44	3.2583E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8058E-04	0.0000E+00
885	ALL	479769.03	3740295.02	3.1883E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7671E-04	0.0000E+00
886	ALL	479757.27	3740269.60	3.1184E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7283E-04	0.0000E+00
887	ALL	479745.52	3740244.18	3.0503E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6905E-04	0.0000E+00
888	ALL	479733.77	3740218.76	2.9855E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6547E-04	0.0000E+00
889	ALL	479722.01	3740193.34	2.9281E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6228E-04	0.0000E+00
890	ALL	479710.26	3740167.92	2.8864E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5997E-04	0.0000E+00
891	ALL	479698.51	3740142.50	2.8764E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5942E-04	0.0000E+00
892	ALL	480375.17	3740703.28	5.6888E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.1529E-04	0.0000E+00
893	ALL	480408.31	3740158.97	9.7561E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.4072E-03	0.0000E+00
894	ALL	480444.34	3740159.32	9.4591E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.2425E-03	0.0000E+00
895	ALL	480472.66	3740160.70	7.6784E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.2556E-03	0.0000E+00

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Cancer Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Chronic Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Acute Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI NonCancerChronic	MAXHI Acute
896	ALL	480333.62	3740174.68	5.5221E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0605E-03	0.0000E+00
897	ALL	480354.86	3740172.64	6.3452E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.5167E-03	0.0000E+00
898	ALL	480408.07	3740183.97	6.8591E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.8015E-03	0.0000E+00
899	ALL	480444.10	3740184.32	6.5814E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.6476E-03	0.0000E+00
900	ALL	480480.13	3740184.67	5.3620E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.9718E-03	0.0000E+00
901	ALL	480336.71	3740198.25	4.6472E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5756E-03	0.0000E+00
902	ALL	480376.09	3740212.43	4.7658E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.6413E-03	0.0000E+00
903	ALL	480407.82	3740208.97	5.1802E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.8710E-03	0.0000E+00
904	ALL	480443.86	3740209.32	4.9472E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.7419E-03	0.0000E+00
905	ALL	480479.89	3740209.67	4.1995E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.3275E-03	0.0000E+00
906	ALL	480377.49	3740236.59	3.8953E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1589E-03	0.0000E+00
907	ALL	480407.58	3740233.96	4.0919E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2679E-03	0.0000E+00
908	ALL	480443.61	3740234.31	3.9023E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1628E-03	0.0000E+00
909	ALL	480479.65	3740234.66	3.4048E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8870E-03	0.0000E+00
910	ALL	480377.62	3740252.30	3.4505E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9124E-03	0.0000E+00
911	ALL	480407.34	3740258.96	3.3349E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8483E-03	0.0000E+00
912	ALL	480443.37	3740259.31	3.1811E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7631E-03	0.0000E+00
913	ALL	480479.40	3740259.66	2.8304E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5687E-03	0.0000E+00
914	ALL	480377.38	3740277.30	2.8896E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6015E-03	0.0000E+00
915	ALL	480407.10	3740283.96	2.7832E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5425E-03	0.0000E+00
916	ALL	480443.13	3740284.31	2.6578E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4731E-03	0.0000E+00
917	ALL	480479.16	3740284.66	2.3993E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3298E-03	0.0000E+00
918	ALL	480370.82	3740308.61	2.3596E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3078E-03	0.0000E+00
919	ALL	480406.85	3740308.96	2.3667E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3117E-03	0.0000E+00
920	ALL	480442.89	3740309.31	2.2636E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2546E-03	0.0000E+00
921	ALL	480478.92	3740309.66	2.0666E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1453E-03	0.0000E+00
922	ALL	480365.81	3740345.13	1.9222E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0653E-03	0.0000E+00
923	ALL	480401.84	3740345.48	1.9231E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0659E-03	0.0000E+00
924	ALL	480437.87	3740345.83	1.8531E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0270E-03	0.0000E+00
925	ALL	480473.90	3740346.18	1.7208E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.5372E-04	0.0000E+00
926	ALL	480369.71	3740422.89	1.3430E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.4433E-04	0.0000E+00
927	ALL	480405.74	3740423.24	1.3266E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.3526E-04	0.0000E+00
928	ALL	480441.78	3740423.59	1.2782E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.0844E-04	0.0000E+00
929	ALL	480477.81	3740423.94	1.2026E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.6654E-04	0.0000E+00
930	ALL	480369.16	3740480.03	1.0786E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.9779E-04	0.0000E+00
931	ALL	480405.19	3740480.38	1.0623E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.8874E-04	0.0000E+00
932	ALL	480441.22	3740480.73	1.0266E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.6895E-04	0.0000E+00
933	ALL	480477.25	3740481.08	9.7405E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.3985E-04	0.0000E+00
934	ALL	480404.63	3740537.52	8.7645E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.8576E-04	0.0000E+00
935	ALL	480440.67	3740537.87	8.4912E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.7061E-04	0.0000E+00
936	ALL	480476.70	3740538.22	8.1078E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.4936E-04	0.0000E+00
937	ALL	480404.08	3740594.66	7.4013E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.1020E-04	0.0000E+00
938	ALL	480440.11	3740595.01	7.1869E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.9832E-04	0.0000E+00
939	ALL	480476.14	3740595.36	6.8966E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.8223E-04	0.0000E+00
940	ALL	480306.86	3740644.88	6.7693E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.7518E-04	0.0000E+00
941	ALL	480403.52	3740651.80	6.3511E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.5200E-04	0.0000E+00
942	ALL	480439.56	3740652.15	6.1962E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.4341E-04	0.0000E+00
943	ALL	480475.59	3740652.50	5.9700E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.3088E-04	0.0000E+00
944	ALL	480402.97	3740708.94	5.5453E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0734E-04	0.0000E+00
945	ALL	480439.00	3740709.29	5.4118E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.9994E-04	0.0000E+00
946	ALL	480475.03	3740709.64	5.2433E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.9060E-04	0.0000E+00
947	ALL	480504.90	3740059.92	1.2936E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.1695E-03	0.0000E+00
948	ALL	480504.90	3740042.75	1.4251E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.8984E-03	0.0000E+00
949	ALL	480506.14	3740004.67	1.5620E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.6569E-03	0.0000E+00
950	ALL	480506.14	3739970.83	1.6475E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.1307E-03	0.0000E+00
951	ALL	480506.39	3739931.51	1.6681E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.2450E-03	0.0000E+00
952	ALL	480505.88	3739897.01	1.6570E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.1839E-03	0.0000E+00
953	ALL	480507.15	3739859.14	1.4878E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.2457E-03	0.0000E+00
954	ALL	480512.44	3739792.93	9.9605E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.5204E-03	0.0000E+00
955	ALL	480506.51	3739817.68	1.2903E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.1512E-03	0.0000E+00
956	ALL	480379.54	3739806.81	2.5967E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4392E-02	0.0000E+00
957	ALL	480416.32	3739807.22	2.6047E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4436E-02	0.0000E+00
958	ALL	480454.68	3739802.24	2.1116E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1703E-02	0.0000E+00
959	ALL	480474.59	3739799.90	1.7527E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.7140E-03	0.0000E+00
960	ALL	480558.83	3740043.14	4.2733E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.3684E-03	0.0000E+00

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Cancer Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Chronic Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Acute Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI NonCancerChronic	MAXHI Acute
961	ALL	480557.95	3740061.88	4.0294E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2332E-03	0.0000E+00
962	ALL	480592.80	3740080.04	2.3757E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3167E-03	0.0000E+00
963	ALL	480604.22	3740044.31	2.2279E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2348E-03	0.0000E+00
964	ALL	480591.34	3739996.58	2.9808E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6520E-03	0.0000E+00
965	ALL	480256.37	3740054.06	7.8183E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.3331E-03	0.0000E+00
966	ALL	480256.86	3740030.41	9.5574E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.2970E-03	0.0000E+00
967	ALL	480258.11	3740021.70	1.0482E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.8096E-03	0.0000E+00
968	ALL	480256.61	3739993.82	1.1984E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.6418E-03	0.0000E+00
969	ALL	480257.11	3739982.37	1.2712E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.0456E-03	0.0000E+00
970	ALL	480257.11	3739958.72	1.3513E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.4891E-03	0.0000E+00
971	ALL	480256.12	3739946.02	1.3398E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.4257E-03	0.0000E+00
972	ALL	480258.36	3739919.88	1.4205E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.8728E-03	0.0000E+00
973	ALL	480258.11	3739909.17	1.3972E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.7440E-03	0.0000E+00
974	ALL	480255.62	3739885.03	1.2502E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.9291E-03	0.0000E+00
975	ALL	480256.86	3739872.83	1.2378E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.8605E-03	0.0000E+00
976	ALL	480257.61	3739847.19	1.1030E-05	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.1129E-03	0.0000E+00
977	ALL	480256.37	3739835.98	9.8873E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.4799E-03	0.0000E+00
978	ALL	480253.38	3739811.59	7.5631E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.1917E-03	0.0000E+00
979	ALL	480254.37	3739798.14	6.7457E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.7387E-03	0.0000E+00
980	ALL	480254.12	3739783.95	5.8444E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.2391E-03	0.0000E+00
981	ALL	480256.12	3739776.24	5.5441E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0727E-03	0.0000E+00
982	ALL	480231.97	3739836.98	6.3266E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.5064E-03	0.0000E+00
983	ALL	480231.97	3739874.07	7.3451E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.0709E-03	0.0000E+00
984	ALL	480231.72	3739883.28	7.5004E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.1569E-03	0.0000E+00
985	ALL	480232.96	3739920.63	8.1278E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.5047E-03	0.0000E+00
986	ALL	480233.21	3739946.77	8.1419E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.5125E-03	0.0000E+00
987	ALL	480231.72	3739958.47	7.8136E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.3305E-03	0.0000E+00
988	ALL	480232.93	3740056.21	5.5204E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0596E-03	0.0000E+00
989	ALL	480233.18	3740031.06	6.3025E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.4931E-03	0.0000E+00
990	ALL	480232.93	3740019.11	6.6372E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.6785E-03	0.0000E+00
991	ALL	480231.68	3739996.46	7.1107E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.9409E-03	0.0000E+00
992	ALL	480232.93	3739981.52	7.6191E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.2227E-03	0.0000E+00
993	ALL	480249.09	3740092.06	5.3910E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.9878E-03	0.0000E+00
994	ALL	480225.18	3740093.33	4.1726E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.3126E-03	0.0000E+00
995	ALL	480199.78	3740093.97	3.2078E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7779E-03	0.0000E+00
996	ALL	480173.33	3740092.70	2.5134E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3930E-03	0.0000E+00
997	ALL	480123.18	3740094.60	1.6651E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.2285E-04	0.0000E+00
998	ALL	480151.75	3740092.91	2.0887E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1576E-03	0.0000E+00
999	ALL	480259.31	3740162.94	3.7941E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1028E-03	0.0000E+00
1000	ALL	480257.26	3740186.08	3.2878E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8222E-03	0.0000E+00
1001	ALL	480256.09	3740150.93	3.9801E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2059E-03	0.0000E+00
1002	ALL	480230.60	3740195.75	2.6514E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4695E-03	0.0000E+00
1003	ALL	480426.30	3740164.93	9.0021E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.9893E-03	0.0000E+00
1004	ALL	480359.98	3740197.85	5.1519E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.8553E-03	0.0000E+00
1005	ALL	480543.66	3740165.88	3.2872E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8219E-03	0.0000E+00
1006	ALL	480661.34	3739738.33	1.9557E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0839E-03	0.0000E+00
1007	ALL	480599.33	3739739.13	3.2663E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8103E-03	0.0000E+00
1008	ALL	480578.40	3739739.94	3.9114E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1678E-03	0.0000E+00
1009	ALL	480558.00	3739737.79	4.6068E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5532E-03	0.0000E+00
1010	ALL	480491.44	3739743.16	7.6850E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.2592E-03	0.0000E+00
1011	ALL	480559.07	3739837.37	5.7198E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.1701E-03	0.0000E+00
1012	ALL	480561.22	3739875.21	5.5773E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0911E-03	0.0000E+00
1013	ALL	480559.88	3739892.93	5.6731E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.1442E-03	0.0000E+00
1014	ALL	480593.43	3739943.65	3.2524E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8026E-03	0.0000E+00
1015	ALL	480326.05	3740209.13	4.0894E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2665E-03	0.0000E+00
1016	ALL	480251.22	3739736.91	3.7093E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0558E-03	0.0000E+00
1017	ALL	480469.54	3739604.38	2.7048E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4991E-03	0.0000E+00
1018	ALL	480469.54	3739582.26	2.3519E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3035E-03	0.0000E+00
1019	ALL	480412.65	3739606.97	2.5760E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4277E-03	0.0000E+00
1020	ALL	480416.28	3739588.82	2.2877E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2679E-03	0.0000E+00
1021	ALL	480386.03	3739606.37	2.4123E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3370E-03	0.0000E+00
1022	ALL	480387.24	3739587.00	2.1173E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1734E-03	0.0000E+00
1023	ALL	480309.79	3739588.22	1.6965E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.4023E-04	0.0000E+00
1024	ALL	480329.76	3739590.03	1.8228E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0103E-03	0.0000E+00
1025	ALL	480178.04	3740220.65	1.7497E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.6975E-04	0.0000E+00

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Cancer Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Chronic Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:13:20 PM - Acute Risk - Input File: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit ConHRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI	MAXHI
						NonCancerChronic	Acute
1026	ALL	480097.59	3740180.46	1.2089E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.7003E-04	0.0000E+00
1027	ALL	480096.98	3740191.95	1.1797E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.5384E-04	0.0000E+00
1028	ALL	480185.79	3739984.03	3.6574E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0270E-03	0.0000E+00
1029	ALL	480187.28	3739957.28	3.8764E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1484E-03	0.0000E+00
1030	ALL	480184.67	3739946.13	3.7989E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1055E-03	0.0000E+00
1031	ALL	480185.79	3739923.09	3.8995E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1612E-03	0.0000E+00
1032	ALL	480185.42	3739908.96	3.8628E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1409E-03	0.0000E+00
1033	ALL	480182.82	3739885.92	3.6595E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0282E-03	0.0000E+00
1034	ALL	480189.88	3739781.50	2.9454E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6324E-03	0.0000E+00
1035	ALL	480185.42	3739872.92	3.7132E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0580E-03	0.0000E+00
1036	ALL	480185.42	3739846.53	3.5194E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9506E-03	0.0000E+00
1037	ALL	480249.71	3739708.66	2.9352E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6268E-03	0.0000E+00
1038	ALL	480036.59	3740157.12	9.0042E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.9904E-04	0.0000E+00
1039	ALL	480013.73	3740153.77	8.0880E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.4826E-04	0.0000E+00
1040	ALL	479970.26	3740154.33	6.6461E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.6835E-04	0.0000E+00
1041	ALL	479922.32	3740152.66	5.5222E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0606E-04	0.0000E+00
1042	ALL	479900.03	3740152.66	5.1021E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.8278E-04	0.0000E+00
1043	ALL	479806.07	3740154.45	3.8003E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1062E-04	0.0000E+00
1044	ALL	479786.58	3740152.70	3.6192E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0059E-04	0.0000E+00
1045	ALL	479737.40	3740154.74	3.1703E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7571E-04	0.0000E+00
1046	ALL	479714.71	3740153.00	2.9829E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6532E-04	0.0000E+00
1047	ALL	480063.47	3740092.41	1.1142E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.1751E-04	0.0000E+00
1048	ALL	480053.20	3740095.15	1.0477E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.8067E-04	0.0000E+00
1049	ALL	480040.19	3740095.15	9.7278E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.3915E-04	0.0000E+00
1050	ALL	479705.51	3740096.48	2.9309E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6244E-04	0.0000E+00
1051	ALL	479716.78	3740096.88	3.0534E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6923E-04	0.0000E+00
1052	ALL	479728.87	3740096.07	3.1691E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7564E-04	0.0000E+00
1053	ALL	479752.63	3740095.27	3.3791E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8728E-04	0.0000E+00
1054	ALL	479766.32	3740094.46	3.4945E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9368E-04	0.0000E+00
1055	ALL	479775.99	3740094.46	3.5834E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9860E-04	0.0000E+00
1056	ALL	479789.28	3740095.67	3.7212E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0624E-04	0.0000E+00
1057	ALL	479814.25	3740095.27	3.9762E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2037E-04	0.0000E+00
1058	ALL	479827.94	3740096.48	4.1429E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2961E-04	0.0000E+00
1059	ALL	479925.00	3740098.89	5.7515E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.1877E-04	0.0000E+00
1060	ALL	479941.52	3740096.88	6.1128E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.3879E-04	0.0000E+00
1061	ALL	479953.20	3740096.07	6.4035E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.5490E-04	0.0000E+00
1062	ALL	480003.54	3740094.06	8.0248E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.4476E-04	0.0000E+00
1063	ALL	479989.85	3740094.87	7.5179E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.1666E-04	0.0000E+00
1064	ALL	479979.38	3740096.07	7.1713E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.9745E-04	0.0000E+00
1065	ALL	479966.49	3740096.48	6.7767E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.7559E-04	0.0000E+00
1066	ALL	480177.93	3740047.74	2.9329E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6255E-03	0.0000E+00
1067	ALL	480181.15	3740023.98	3.2052E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7764E-03	0.0000E+00
1068	ALL	480155.78	3740048.15	2.3534E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3043E-03	0.0000E+00
1069	ALL	480154.57	3740023.18	2.4268E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3450E-03	0.0000E+00
1070	ALL	480604.02	3739894.90	3.0540E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6926E-03	0.0000E+00
1071	ALL	480603.54	3739841.36	3.2668E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8106E-03	0.0000E+00
1072	ALL	480658.11	3740079.18	1.2247E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.7878E-04	0.0000E+00

HARP2 - HRACalc (dated 22118) 4/24/2024 2:13:20 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully

RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 2.4822

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0.4821999
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True

Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|

Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit
ConCancerRisk.csv
Cancer risk total by receptor saved to: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit
ConCancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit
ConNCChronicRisk.csv
Chronic risk total by receptor saved to: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit
ConNCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit
ConNCAcuteRisk.csv
Acute risk total by receptor saved to: F:\Jobs\59470001\HARP\01 - UNMIT CON\hra\Unmit
ConNCAcuteRiskSumByRec.csv
HRA ran successfully

Acacia Pointe Residential Project (Tier 4 Mitigated Construction – DPM)

Estimation of Annual Onsite Construction Emissions (Project Site)—DPM (Exhaust PM10)

Start of Construction	4/15/2025	
End of Construction	10/8/2027	Total
Number of Days	906	906
Number of Hours	21,744	21,744

Size of the construction area source (entire site): 45,780.9 sq-meters

Year	On-site Construction Activity	Tier 4 Mitigated On-site DPM (pounds)
2025	Site Prep + Grading	10.07888
2025	Trenching	7.40118
2025	Site Construction	11.39539
2025	Home Building	1.93645
2026	Home Building	27.68011
2027	Home Building	20.00800
2027	Architectural Coating	18.57247

Total Unmitigated DPM (On-site) 9.707E+01 pounds

Factor in AERMOD to Account for 5 days per week/8 hours per day: 4.2

1 g/s used as the unit emission in AERMOD - converted to g/s/m2 in AERMOD

Average Emission (Emissions Summary for HARP2 Inputs)

Pounds/Construction Period	9.707E+01
Pounds/Day	1.071E-01
Pounds/Hour	4.464E-03
Pounds/Year	3.911E+01
Years	2.482191781

Acacia Pointe Residential Project (Tier 4 Mitigated Construction – DPM)

Estimation of Annual Offsite Construction DPM (Exhaust PM10) Emissions - Project Construction (no change compared to unmitigated scenario)

Start of Construction	4/15/2025					
End of Construction	10/8/2027					Total
Number of Days	906					906
Number of Hours	21,744					21,744
	2025	2025	2025	2025-2027	2027	
	Site Prep +		Site		Architectural	
	Grading	Trenching	Construction	Home Building	Coating	
Construction Trips						Total (Pounds)
Total (pounds)	0.03902	0.00000	0.54419	7.70372	0.43850	8.72543
	Vendor Truck					
	Haul Truck Trips	Trips	Worker Trips	Total Trips		
Site Prep + Grading	0.00	0.00	1,180.00	1,180.00		
Trenching	0.00	0.00	590.00	590.00		
Site Construction	0.00	1,210.00	1,650.00	2,860.00		
Home Building	3,360.00	7,297.93	48,890.88	59,548.81		
Architectural Coating	0.00	975.00	3,972.38	4,947.38		
Total	3,360.00	9,482.93	56,283.26	69,126.19		
	Haul Truck (pounds)	Vendor Truck (pounds)	Worker (pounds)	Total (pounds)		
	4.241E-01	1.197E+00	7.104E+00	8.725E+00		
Average Emissions						
Grams	1.925E+02	5.434E+02	3.225E+03			
Grams/sec	2.460E-06	6.942E-06	4.120E-05			
Default Distance (miles)	20	10.2	18.5	Vehicle Travel Distance Assumed in CalEEMod		
Vehicle Travel Distances in the Construction HRA (miles)						
Off-site Road Segment 1 (SLINE1)	0.83	0.83	0.83	miles		
Off-site Road Segment 2 (SLINE2)	0.90	0.90	0.90	miles		
On-site Road Segment 1 (SLINE3)	0.21	0.21	0.21	miles		
On-site Road Segment 2 (SLINE3)	0.38	0.38	0.38	miles		
Trip Distribution (percent)						
Off-site Road Segment 1 (SLINE1)	50.0%	50.0%	50.0%	Off-site Road Segment 1		
Off-site Road Segment 2 (SLINE2)	50.0%	50.0%	50.0%	Off-site Road Segment 2		
On-site Road Segment 1 (SLINE3)	50.0%	50.0%	50.0%	On-site Road Segment 1		
On-site Road Segment 2 (SLINE3)	50.0%	50.0%	50.0%	On-site Road Segment 2		
Total Average Offsite Vehicle Emissions Along Travel Distance (g/sec)				Total		
Off-site Road Segment 1 (SLINE1)	5.1198E-08	2.8333E-07	9.2716E-07	1.2617E-06		
Off-site Road Segment 2 (SLINE2)	5.5368E-08	3.0640E-07	1.0027E-06	1.3644E-06		
On-site Road Segment 1 (SLINE3)	1.3059E-08	7.2270E-08	2.3650E-07	3.2183E-07		
On-site Road Segment 2 (SLINE3)	2.3535E-08	1.3024E-07	4.2621E-07	5.7998E-07		
Average Emission (Emissions Summary for HARP2 Inputs)						
	Grams/sec	Pounds/Hour	Pounds/Day	Pounds/year	Tons/year	Max Pounds/Hour
Off-site Road Segment 1 (SLINE1)	1.2617E-06	1.0014E-05	2.4033E-04	2.1773E-01	1.0887E-04	3.0041E-05
Off-site Road Segment 2 (SLINE2)	1.3644E-06	1.0829E-05	2.5990E-04	2.3547E-01	1.1773E-04	3.2487E-05
On-site Road Segment 1 (SLINE3)	3.2183E-07	2.5542E-06	6.1301E-05	5.5539E-02	2.7769E-05	7.6627E-06
On-site Road Segment 2 (SLINE3)	5.7998E-07	4.6031E-06	1.1048E-04	1.0009E-01	5.0045E-05	1.3809E-05

Health Risk Summary - Unmitigated Construction (Summary of HARP2 Results)

Acacia Pointe Residential Project (Tier 4 Mitigated Construction – DPM)

	RISK_SUM	Cancer Risk/million	MAXHI NonCancer Chronic	MAXHI Acute
Maximum Risk	8.1257E-06	8.126	4.5035E-03	0.00E+00

Maximally Exposed Individual Receptor

	X	Y
MEIR UTM	480416.32	3739807.22
Latitude, Longitude:	33°47'53.7"N 117°12'41.6"W	
Receptor #957		

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Cancer Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Chronic Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Acute Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI NonCancerChronic	MAXHI Acute
1	ALL	480505.04	3740098.02	2.93040E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6241E-03	0.0000E+00
2	ALL	480506.11	3740077.90	3.40160E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8852E-03	0.0000E+00
3	ALL	480506.36	3740023.74	4.60540E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5525E-03	0.0000E+00
4	ALL	480506.86	3739987.49	4.94360E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.7399E-03	0.0000E+00
5	ALL	480505.86	3739949.75	5.26290E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.9169E-03	0.0000E+00
6	ALL	480507.60	3739913.75	5.02770E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.7865E-03	0.0000E+00
7	ALL	480506.07	3739878.04	4.99840E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.7703E-03	0.0000E+00
8	ALL	480506.28	3739841.02	4.46000E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4718E-03	0.0000E+00
9	ALL	480506.88	3740173.81	1.46600E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.1250E-04	0.0000E+00
10	ALL	480556.88	3740101.75	1.13790E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.3064E-04	0.0000E+00
11	ALL	480555.57	3740079.94	1.23300E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.8336E-04	0.0000E+00
12	ALL	480561.13	3740023.27	1.38720E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.6882E-04	0.0000E+00
13	ALL	480555.86	3739989.73	1.68450E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.3362E-04	0.0000E+00
14	ALL	480551.57	3739945.19	1.97250E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0932E-03	0.0000E+00
15	ALL	480555.86	3739909.77	1.88180E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0430E-03	0.0000E+00
16	ALL	480557.20	3739861.47	1.85110E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0259E-03	0.0000E+00
17	ALL	480557.74	3739825.78	1.80750E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0018E-03	0.0000E+00
18	ALL	480515.56	3740195.19	1.14090E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.3232E-04	0.0000E+00
19	ALL	480573.25	3739995.00	1.23610E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.8507E-04	0.0000E+00
20	ALL	480576.57	3739945.19	1.30280E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.2204E-04	0.0000E+00
21	ALL	480580.86	3739909.77	1.28060E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.0975E-04	0.0000E+00
22	ALL	480580.86	3739869.79	1.32480E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.3425E-04	0.0000E+00
23	ALL	480580.86	3739829.81	1.34450E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.4514E-04	0.0000E+00
24	ALL	480581.17	3740168.88	7.02810E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.8952E-04	0.0000E+00
25	ALL	480539.09	3740210.55	8.51880E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.7214E-04	0.0000E+00
26	ALL	480509.37	3740222.60	9.84030E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.4538E-04	0.0000E+00
27	ALL	480595.25	3740099.52	7.20370E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.9925E-04	0.0000E+00
28	ALL	480600.00	3740059.73	7.18400E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.9816E-04	0.0000E+00
29	ALL	480606.45	3740025.02	7.13360E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.9537E-04	0.0000E+00
30	ALL	480608.20	3739993.54	7.49700E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.1550E-04	0.0000E+00
31	ALL	480605.86	3739949.75	8.50700E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.7148E-04	0.0000E+00
32	ALL	480604.44	3739913.09	9.25790E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.1310E-04	0.0000E+00
33	ALL	480605.86	3739869.79	9.66760E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.3581E-04	0.0000E+00
34	ALL	480604.44	3739824.60	1.02350E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.6727E-04	0.0000E+00
35	ALL	480601.23	3740180.72	5.66700E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.1408E-04	0.0000E+00
36	ALL	480550.74	3740230.72	7.03520E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.8991E-04	0.0000E+00
37	ALL	480515.07	3740245.19	8.18810E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.5381E-04	0.0000E+00
38	ALL	480630.86	3739949.75	6.23750E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.4570E-04	0.0000E+00
39	ALL	480630.86	3739909.77	6.76500E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.7494E-04	0.0000E+00
40	ALL	480630.86	3739869.79	7.26810E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.0282E-04	0.0000E+00
41	ALL	480630.86	3739829.81	7.68540E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.2595E-04	0.0000E+00
42	ALL	480629.93	3740171.84	4.57050E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5331E-04	0.0000E+00
43	ALL	480616.97	3740202.93	4.71730E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.6145E-04	0.0000E+00
44	ALL	480572.79	3740246.68	5.64280E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.1274E-04	0.0000E+00
45	ALL	480541.58	3740259.34	6.47710E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.5898E-04	0.0000E+00
46	ALL	480510.37	3740272.00	7.14160E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.9581E-04	0.0000E+00
47	ALL	480654.54	3740101.75	4.16430E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.3080E-04	0.0000E+00
48	ALL	480657.28	3740059.27	3.99460E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2139E-04	0.0000E+00
49	ALL	480655.86	3740029.71	4.14110E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2951E-04	0.0000E+00
50	ALL	480655.86	3739989.73	4.38690E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4313E-04	0.0000E+00

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*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Chronic Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Acute Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI NonCancerChronic	MAXHI Acute
51	ALL	480655.86	3739949.75	4.74100E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.6276E-04	0.0000E+00
52	ALL	480655.86	3739909.77	5.16110E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.8605E-04	0.0000E+00
53	ALL	480655.86	3739869.79	5.59920E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.1032E-04	0.0000E+00
54	ALL	480655.86	3739829.81	5.99710E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.3238E-04	0.0000E+00
55	ALL	480651.23	3740180.72	3.81170E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1126E-04	0.0000E+00
56	ALL	480636.41	3740216.25	3.97290E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2019E-04	0.0000E+00
57	ALL	480585.92	3740266.25	4.82460E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.6740E-04	0.0000E+00
58	ALL	480550.26	3740280.72	5.57100E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0876E-04	0.0000E+00
59	ALL	480514.59	3740295.19	6.15810E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.4130E-04	0.0000E+00
60	ALL	480707.52	3740182.75	2.58580E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4331E-04	0.0000E+00
61	ALL	480692.28	3740219.30	2.72840E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5122E-04	0.0000E+00
62	ALL	480677.04	3740255.84	2.85100E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5801E-04	0.0000E+00
63	ALL	480625.11	3740307.26	3.41330E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8917E-04	0.0000E+00
64	ALL	480588.43	3740322.15	3.90680E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1652E-04	0.0000E+00
65	ALL	480551.74	3740337.03	4.34020E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4055E-04	0.0000E+00
66	ALL	480515.05	3740351.92	4.66050E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5830E-04	0.0000E+00
67	ALL	480738.00	3740069.69	2.18640E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2118E-04	0.0000E+00
68	ALL	480738.00	3740029.71	2.15620E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1950E-04	0.0000E+00
69	ALL	480738.00	3739989.73	2.20820E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2239E-04	0.0000E+00
70	ALL	480738.00	3739949.75	2.32870E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2907E-04	0.0000E+00
71	ALL	480738.00	3739909.77	2.50930E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3907E-04	0.0000E+00
72	ALL	480738.00	3739869.79	2.73250E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5144E-04	0.0000E+00
73	ALL	480738.00	3739829.81	2.97440E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6485E-04	0.0000E+00
74	ALL	480768.54	3740173.47	1.83910E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0193E-04	0.0000E+00
75	ALL	480755.23	3740205.37	1.90650E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0567E-04	0.0000E+00
76	ALL	480741.93	3740237.28	2.00620E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1119E-04	0.0000E+00
77	ALL	480728.62	3740269.18	2.10000E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1639E-04	0.0000E+00
78	ALL	480715.32	3740301.08	2.17180E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2037E-04	0.0000E+00
79	ALL	480669.98	3740345.97	2.50700E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3895E-04	0.0000E+00
80	ALL	480637.95	3740358.97	2.80360E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5538E-04	0.0000E+00
81	ALL	480605.92	3740371.96	3.08750E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7112E-04	0.0000E+00
82	ALL	480573.89	3740384.96	3.34140E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8519E-04	0.0000E+00
83	ALL	480541.87	3740397.95	3.54950E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9672E-04	0.0000E+00
84	ALL	480509.84	3740410.95	3.69780E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0494E-04	0.0000E+00
85	ALL	480795.15	3740069.69	1.57680E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.7390E-05	0.0000E+00
86	ALL	480795.15	3740029.71	1.52750E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.4660E-05	0.0000E+00
87	ALL	480795.15	3739989.73	1.54250E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.5490E-05	0.0000E+00
88	ALL	480795.15	3739949.75	1.60370E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.8880E-05	0.0000E+00
89	ALL	480795.15	3739909.77	1.70530E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.4512E-05	0.0000E+00
90	ALL	480795.15	3739869.79	1.83980E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0197E-04	0.0000E+00
91	ALL	480795.15	3739829.81	1.99560E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1060E-04	0.0000E+00
92	ALL	480824.77	3740175.65	1.38870E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.6963E-05	0.0000E+00
93	ALL	480811.01	3740208.64	1.42630E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.9050E-05	0.0000E+00
94	ALL	480797.25	3740241.63	1.50220E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.3254E-05	0.0000E+00
95	ALL	480783.50	3740274.62	1.58320E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.7745E-05	0.0000E+00
96	ALL	480769.74	3740307.60	1.65610E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.1786E-05	0.0000E+00
97	ALL	480755.98	3740340.59	1.71300E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.4941E-05	0.0000E+00
98	ALL	480709.10	3740387.02	1.96510E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0891E-04	0.0000E+00
99	ALL	480675.98	3740400.46	2.18430E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2106E-04	0.0000E+00
100	ALL	480642.86	3740413.89	2.39800E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3291E-04	0.0000E+00
101	ALL	480609.74	3740427.33	2.59620E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4389E-04	0.0000E+00
102	ALL	480576.62	3740440.77	2.76950E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5349E-04	0.0000E+00
103	ALL	480543.49	3740454.21	2.90930E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6124E-04	0.0000E+00
104	ALL	480510.37	3740467.64	3.00830E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6673E-04	0.0000E+00
105	ALL	480852.29	3740069.69	1.20430E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.6746E-05	0.0000E+00
106	ALL	480852.29	3740029.71	1.14880E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.3669E-05	0.0000E+00
107	ALL	480852.29	3739989.73	1.14770E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.3608E-05	0.0000E+00
108	ALL	480852.29	3739949.75	1.17970E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.5385E-05	0.0000E+00
109	ALL	480852.29	3739909.77	1.23930E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.8684E-05	0.0000E+00
110	ALL	480852.29	3739869.79	1.32190E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.3266E-05	0.0000E+00
111	ALL	480852.29	3739829.81	1.42200E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.8813E-05	0.0000E+00
112	ALL	480881.21	3740177.34	1.08950E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.0383E-05	0.0000E+00
113	ALL	480867.10	3740211.17	1.10470E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.1224E-05	0.0000E+00
114	ALL	480852.99	3740245.01	1.15970E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.4272E-05	0.0000E+00
115	ALL	480838.88	3740278.84	1.22500E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.7895E-05	0.0000E+00

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Cancer Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Chronic Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Acute Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI NonCancerChronic	MAXHI Acute
116	ALL	480824.76	3740312.68	1.28980E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.1487E-05	0.0000E+00
117	ALL	480810.65	3740346.51	1.34730E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.4673E-05	0.0000E+00
118	ALL	480796.54	3740380.35	1.39320E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.7213E-05	0.0000E+00
119	ALL	480748.46	3740427.97	1.58850E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.8042E-05	0.0000E+00
120	ALL	480714.49	3740441.75	1.75590E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.7316E-05	0.0000E+00
121	ALL	480680.52	3740455.53	1.92100E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0647E-04	0.0000E+00
122	ALL	480646.55	3740469.31	2.07790E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1516E-04	0.0000E+00
123	ALL	480612.58	3740483.09	2.22050E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2307E-04	0.0000E+00
124	ALL	480578.61	3740496.88	2.34350E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2988E-04	0.0000E+00
125	ALL	480544.64	3740510.66	2.44200E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3534E-04	0.0000E+00
126	ALL	480510.67	3740524.44	2.51150E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3920E-04	0.0000E+00
127	ALL	480909.43	3740069.69	9.59180E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.3160E-05	0.0000E+00
128	ALL	480909.43	3740029.71	9.01870E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.9984E-05	0.0000E+00
129	ALL	480909.43	3739989.73	8.93020E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.9494E-05	0.0000E+00
130	ALL	480909.43	3739949.75	9.09940E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.0432E-05	0.0000E+00
131	ALL	480909.43	3739909.77	9.46370E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.2451E-05	0.0000E+00
132	ALL	480909.43	3739869.79	9.99060E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.5371E-05	0.0000E+00
133	ALL	480909.43	3739829.81	1.06460E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.9005E-05	0.0000E+00
134	ALL	480937.79	3740178.69	8.80260E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.8787E-05	0.0000E+00
135	ALL	480923.39	3740213.20	8.80160E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.8781E-05	0.0000E+00
136	ALL	480909.00	3740247.72	9.19180E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.0944E-05	0.0000E+00
137	ALL	480894.61	3740282.23	9.70460E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.3786E-05	0.0000E+00
138	ALL	480880.21	3740316.74	1.02490E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.6800E-05	0.0000E+00
139	ALL	480865.82	3740351.25	1.07700E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.9690E-05	0.0000E+00
140	ALL	480851.43	3740385.76	1.12310E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.2247E-05	0.0000E+00
141	ALL	480837.03	3740420.27	1.16070E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.4332E-05	0.0000E+00
142	ALL	480787.99	3740468.84	1.31590E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.2934E-05	0.0000E+00
143	ALL	480753.34	3740482.90	1.44700E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.0198E-05	0.0000E+00
144	ALL	480718.69	3740496.96	1.57760E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.7438E-05	0.0000E+00
145	ALL	480684.04	3740511.02	1.70370E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.4426E-05	0.0000E+00
146	ALL	480649.39	3740525.07	1.82140E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0095E-04	0.0000E+00
147	ALL	480614.74	3740539.13	1.92710E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0681E-04	0.0000E+00
148	ALL	480580.09	3740553.19	2.01760E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1182E-04	0.0000E+00
149	ALL	480545.44	3740567.25	2.08970E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1582E-04	0.0000E+00
150	ALL	480510.79	3740581.30	2.14070E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1865E-04	0.0000E+00
151	ALL	480966.57	3740069.69	7.84430E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.3475E-05	0.0000E+00
152	ALL	480966.57	3740029.71	7.28830E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.0394E-05	0.0000E+00
153	ALL	480966.57	3739989.73	7.17290E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.9755E-05	0.0000E+00
154	ALL	480966.57	3739949.75	7.26390E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.0259E-05	0.0000E+00
155	ALL	480966.57	3739909.77	7.49860E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.1560E-05	0.0000E+00
156	ALL	480966.57	3739869.79	7.84880E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.3501E-05	0.0000E+00
157	ALL	480966.57	3739829.81	8.29240E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.5959E-05	0.0000E+00
158	ALL	480994.47	3740179.80	7.20700E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.9943E-05	0.0000E+00
159	ALL	480979.84	3740214.87	7.15030E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.9629E-05	0.0000E+00
160	ALL	480965.22	3740249.93	7.44010E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.1235E-05	0.0000E+00
161	ALL	480950.60	3740285.00	7.84510E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.3480E-05	0.0000E+00
162	ALL	480935.97	3740320.06	8.29400E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.5968E-05	0.0000E+00
163	ALL	480921.35	3740355.13	8.74580E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.8472E-05	0.0000E+00
164	ALL	480906.72	3740390.19	9.17170E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.0832E-05	0.0000E+00
165	ALL	480892.10	3740425.26	9.54870E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.2922E-05	0.0000E+00
166	ALL	480877.47	3740460.32	9.86160E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.4656E-05	0.0000E+00
167	ALL	480827.64	3740509.67	1.11200E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.1631E-05	0.0000E+00
168	ALL	480792.44	3740523.95	1.21700E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.7448E-05	0.0000E+00
169	ALL	480757.23	3740538.24	1.32230E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.3288E-05	0.0000E+00
170	ALL	480722.03	3740552.52	1.42530E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.8992E-05	0.0000E+00
171	ALL	480686.82	3740566.80	1.52310E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.4414E-05	0.0000E+00
172	ALL	480651.62	3740581.09	1.61330E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.9414E-05	0.0000E+00
173	ALL	480616.41	3740595.37	1.69380E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.3875E-05	0.0000E+00
174	ALL	480581.20	3740609.65	1.76240E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.7678E-05	0.0000E+00
175	ALL	480546.00	3740623.94	1.81700E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0070E-04	0.0000E+00
176	ALL	480510.79	3740638.22	1.85570E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0285E-04	0.0000E+00
177	ALL	481023.72	3740069.69	6.40510E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.5499E-05	0.0000E+00
178	ALL	481023.72	3740029.71	5.97640E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.3123E-05	0.0000E+00
179	ALL	481023.72	3739989.73	5.88510E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.2617E-05	0.0000E+00
180	ALL	481023.72	3739949.75	5.94480E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.2948E-05	0.0000E+00

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Cancer Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Chronic Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Acute Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI NonCancerChronic	MAXHI Acute
181	ALL	481023.72	3739909.77	6.10770E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.3851E-05	0.0000E+00
182	ALL	481023.72	3739869.79	6.35250E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.5208E-05	0.0000E+00
183	ALL	481023.72	3739829.81	6.68630E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.7058E-05	0.0000E+00
184	ALL	481051.23	3740180.72	5.70790E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.1635E-05	0.0000E+00
185	ALL	481036.41	3740216.25	5.84110E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.2373E-05	0.0000E+00
186	ALL	481021.59	3740251.78	6.10870E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.3856E-05	0.0000E+00
187	ALL	481006.78	3740287.30	6.44720E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.5732E-05	0.0000E+00
188	ALL	480991.96	3740322.83	6.82170E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.7808E-05	0.0000E+00
189	ALL	480977.14	3740358.36	7.20720E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.9944E-05	0.0000E+00
190	ALL	480962.33	3740393.88	7.57930E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.2007E-05	0.0000E+00
191	ALL	480947.51	3740429.41	7.92960E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.3948E-05	0.0000E+00
192	ALL	480932.69	3740464.94	8.25080E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.5728E-05	0.0000E+00
193	ALL	480917.88	3740500.46	8.50770E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.7152E-05	0.0000E+00
194	ALL	480867.39	3740550.46	9.54330E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.2892E-05	0.0000E+00
195	ALL	480831.72	3740564.93	1.04090E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.7689E-05	0.0000E+00
196	ALL	480796.05	3740579.40	1.12730E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.2480E-05	0.0000E+00
197	ALL	480760.38	3740593.87	1.21260E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.7204E-05	0.0000E+00
198	ALL	480724.71	3740608.34	1.29470E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.1754E-05	0.0000E+00
199	ALL	480689.05	3740622.82	1.37180E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.6030E-05	0.0000E+00
200	ALL	480653.38	3740637.29	1.44250E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.9948E-05	0.0000E+00
201	ALL	480617.71	3740651.76	1.50530E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.3427E-05	0.0000E+00
202	ALL	480582.04	3740666.23	1.55860E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.6384E-05	0.0000E+00
203	ALL	480546.37	3740680.70	1.60110E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.8738E-05	0.0000E+00
204	ALL	480510.70	3740695.17	1.63130E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.0411E-05	0.0000E+00
205	ALL	481080.86	3740069.69	5.00970E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.7765E-05	0.0000E+00
206	ALL	481080.86	3740029.71	4.90420E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.7180E-05	0.0000E+00
207	ALL	481080.86	3739989.73	4.88910E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.7097E-05	0.0000E+00
208	ALL	481080.86	3739949.75	4.95150E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.7443E-05	0.0000E+00
209	ALL	481080.86	3739909.77	5.07850E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.8147E-05	0.0000E+00
210	ALL	481080.86	3739869.79	5.26800E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.9197E-05	0.0000E+00
211	ALL	481080.86	3739829.81	5.51740E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0579E-05	0.0000E+00
212	ALL	480491.51	3739794.36	4.17190E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.3122E-03	0.0000E+00
213	ALL	480436.79	3739804.61	7.41010E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.1069E-03	0.0000E+00
214	ALL	480400.00	3739804.16	7.73940E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.2894E-03	0.0000E+00
215	ALL	480355.99	3739808.44	8.06000E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.4671E-03	0.0000E+00
216	ALL	480337.37	3739794.05	5.54150E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0713E-03	0.0000E+00
217	ALL	480306.30	3739810.27	6.13390E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.3996E-03	0.0000E+00
218	ALL	480333.83	3739767.06	3.27600E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8156E-03	0.0000E+00
219	ALL	480305.75	3739789.76	3.90480E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1642E-03	0.0000E+00
220	ALL	480553.97	3739792.26	1.80440E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0000E-03	0.0000E+00
221	ALL	480465.92	3739751.46	2.93740E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6280E-03	0.0000E+00
222	ALL	480413.07	3739756.55	3.44410E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9088E-03	0.0000E+00
223	ALL	480384.08	3739760.72	3.57410E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9809E-03	0.0000E+00
224	ALL	480332.99	3739745.54	2.36480E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3107E-03	0.0000E+00
225	ALL	480306.44	3739767.75	2.69090E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4914E-03	0.0000E+00
226	ALL	480514.73	3739741.56	2.05200E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1373E-03	0.0000E+00
227	ALL	480574.04	3739792.09	1.42760E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.9120E-04	0.0000E+00
228	ALL	480466.36	3739726.46	2.24700E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2453E-03	0.0000E+00
229	ALL	480413.51	3739731.56	2.50510E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3884E-03	0.0000E+00
230	ALL	480384.52	3739735.72	2.53860E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4070E-03	0.0000E+00
231	ALL	480333.43	3739720.54	1.73750E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.6299E-04	0.0000E+00
232	ALL	480305.65	3739726.33	1.58600E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.7901E-04	0.0000E+00
233	ALL	480512.06	3739717.29	1.74090E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.6488E-04	0.0000E+00
234	ALL	480537.28	3739739.41	1.71320E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.4949E-04	0.0000E+00
235	ALL	480593.92	3739800.61	1.15310E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.3909E-04	0.0000E+00
236	ALL	480466.80	3739701.46	1.77440E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.8344E-04	0.0000E+00
237	ALL	480413.95	3739706.56	1.89970E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0529E-03	0.0000E+00
238	ALL	480384.96	3739710.73	1.89170E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0484E-03	0.0000E+00
239	ALL	480333.87	3739695.54	1.33620E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.4058E-04	0.0000E+00
240	ALL	480306.09	3739701.33	1.23980E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.8716E-04	0.0000E+00
241	ALL	480518.30	3739694.78	1.44450E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.0061E-04	0.0000E+00
242	ALL	480553.08	3739709.74	1.31130E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.2676E-04	0.0000E+00
243	ALL	480616.53	3739794.77	9.10910E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.0485E-04	0.0000E+00
244	ALL	480467.25	3739676.47	1.43300E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.9420E-04	0.0000E+00
245	ALL	480414.40	3739681.57	1.48590E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.2355E-04	0.0000E+00

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Cancer Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Chronic Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Acute Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI NonCancerChronic	MAXHI Acute
246	ALL	480385.41	3739685.73	1.46130E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.0990E-04	0.0000E+00
247	ALL	480334.31	3739670.55	1.06250E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.8885E-04	0.0000E+00
248	ALL	480306.54	3739676.33	9.99510E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.5396E-04	0.0000E+00
249	ALL	480514.39	3739667.92	1.22470E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.7875E-04	0.0000E+00
250	ALL	480544.83	3739681.00	1.18050E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.5427E-04	0.0000E+00
251	ALL	480581.70	3739697.84	1.03620E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.7431E-04	0.0000E+00
252	ALL	480618.24	3739737.83	8.69470E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.8189E-04	0.0000E+00
253	ALL	480643.32	3739799.15	7.00370E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.8817E-04	0.0000E+00
254	ALL	480467.69	3739651.47	1.17740E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.5253E-04	0.0000E+00
255	ALL	480414.84	3739656.57	1.19090E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.6002E-04	0.0000E+00
256	ALL	480385.85	3739660.73	1.16140E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.4368E-04	0.0000E+00
257	ALL	480334.76	3739645.55	8.66740E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.8037E-04	0.0000E+00
258	ALL	480306.98	3739651.34	8.25080E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.5728E-04	0.0000E+00
259	ALL	480519.18	3739644.79	1.04720E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.8037E-04	0.0000E+00
260	ALL	480553.96	3739659.74	1.01490E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.6252E-04	0.0000E+00
261	ALL	480588.75	3739674.69	9.14560E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.0688E-04	0.0000E+00
262	ALL	480640.28	3739739.99	7.26050E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.0240E-04	0.0000E+00
263	ALL	480666.53	3739794.77	5.68870E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.1528E-04	0.0000E+00
264	ALL	480468.13	3739626.48	9.82100E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.4431E-04	0.0000E+00
265	ALL	480415.28	3739631.57	9.73920E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.3978E-04	0.0000E+00
266	ALL	480386.29	3739635.74	9.44760E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.2362E-04	0.0000E+00
267	ALL	480335.20	3739620.56	7.21880E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.0009E-04	0.0000E+00
268	ALL	480307.42	3739626.34	6.94240E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.8477E-04	0.0000E+00
269	ALL	480521.19	3739588.09	7.48440E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.1481E-04	0.0000E+00
270	ALL	480556.96	3739603.46	7.58750E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.2052E-04	0.0000E+00
271	ALL	480592.74	3739618.84	7.23160E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.0080E-04	0.0000E+00
272	ALL	480628.51	3739634.22	6.49080E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.5974E-04	0.0000E+00
273	ALL	480635.55	3739697.45	7.17480E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.9765E-04	0.0000E+00
274	ALL	480693.78	3739721.68	4.79250E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.6561E-04	0.0000E+00
275	ALL	480708.52	3739757.73	4.18940E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.3219E-04	0.0000E+00
276	ALL	480723.26	3739793.77	3.56130E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9738E-04	0.0000E+00
277	ALL	480485.41	3739572.71	6.98010E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.8686E-04	0.0000E+00
278	ALL	480445.88	3739572.01	6.77030E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.7523E-04	0.0000E+00
279	ALL	480406.35	3739571.31	6.28280E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.4821E-04	0.0000E+00
280	ALL	480366.82	3739570.61	5.69360E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.1555E-04	0.0000E+00
281	ALL	480327.29	3739569.91	5.12650E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.8413E-04	0.0000E+00
282	ALL	480287.76	3739569.21	4.80970E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.6657E-04	0.0000E+00
283	ALL	480517.66	3739529.00	5.47790E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0360E-04	0.0000E+00
284	ALL	480548.89	3739542.42	5.72550E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.1733E-04	0.0000E+00
285	ALL	480580.12	3739555.85	5.77650E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.2015E-04	0.0000E+00
286	ALL	480611.35	3739569.28	5.61160E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.1101E-04	0.0000E+00
287	ALL	480642.59	3739582.70	5.25060E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.9100E-04	0.0000E+00
288	ALL	480673.82	3739596.13	4.74690E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.6309E-04	0.0000E+00
289	ALL	480717.92	3739641.02	4.01490E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2252E-04	0.0000E+00
290	ALL	480730.79	3739672.48	3.76120E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0845E-04	0.0000E+00
291	ALL	480743.66	3739703.95	3.43250E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9024E-04	0.0000E+00
292	ALL	480756.53	3739735.41	3.06320E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6977E-04	0.0000E+00
293	ALL	480769.40	3739766.88	2.66500E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4770E-04	0.0000E+00
294	ALL	480782.28	3739798.34	2.31110E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2809E-04	0.0000E+00
295	ALL	480486.42	3739515.57	5.08260E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.8169E-04	0.0000E+00
296	ALL	480446.89	3739514.87	4.87170E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.7001E-04	0.0000E+00
297	ALL	480407.36	3739514.17	4.52530E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5080E-04	0.0000E+00
298	ALL	480367.83	3739513.47	4.13620E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2924E-04	0.0000E+00
299	ALL	480328.30	3739512.77	3.80910E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1111E-04	0.0000E+00
300	ALL	480519.73	3739472.32	4.16780E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.3099E-04	0.0000E+00
301	ALL	480552.03	3739486.21	4.41450E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4467E-04	0.0000E+00
302	ALL	480584.33	3739500.09	4.54180E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5172E-04	0.0000E+00
303	ALL	480616.63	3739513.97	4.52420E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5074E-04	0.0000E+00
304	ALL	480648.92	3739527.86	4.35850E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4156E-04	0.0000E+00
305	ALL	480681.22	3739541.74	4.06430E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2526E-04	0.0000E+00
306	ALL	480713.52	3739555.62	3.68000E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0395E-04	0.0000E+00
307	ALL	480759.12	3739602.04	3.12780E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7335E-04	0.0000E+00
308	ALL	480772.43	3739634.58	2.93820E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6284E-04	0.0000E+00
309	ALL	480785.74	3739667.12	2.69750E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4950E-04	0.0000E+00
310	ALL	480799.05	3739699.66	2.42730E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3453E-04	0.0000E+00

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Cancer Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Chronic Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Acute Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI NonCancerChronic	MAXHI Acute
311	ALL	480812.36	3739732.20	2.15000E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1916E-04	0.0000E+00
312	ALL	480825.67	3739764.73	1.86900E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0359E-04	0.0000E+00
313	ALL	480838.98	3739797.27	1.62930E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.0299E-05	0.0000E+00
314	ALL	480487.44	3739458.44	3.84150E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1291E-04	0.0000E+00
315	ALL	480447.91	3739457.74	3.66090E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0290E-04	0.0000E+00
316	ALL	480408.38	3739457.04	3.42470E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8981E-04	0.0000E+00
317	ALL	480368.85	3739456.34	3.17600E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7602E-04	0.0000E+00
318	ALL	480329.32	3739455.64	2.96070E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6409E-04	0.0000E+00
319	ALL	480521.57	3739415.54	3.25650E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8049E-04	0.0000E+00
320	ALL	480554.70	3739429.78	3.47660E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9268E-04	0.0000E+00
321	ALL	480587.82	3739444.02	3.62560E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0094E-04	0.0000E+00
322	ALL	480620.95	3739458.26	3.68010E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0396E-04	0.0000E+00
323	ALL	480654.08	3739472.50	3.62810E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0108E-04	0.0000E+00
324	ALL	480687.20	3739486.74	3.47280E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9247E-04	0.0000E+00
325	ALL	480720.33	3739500.98	3.23160E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7911E-04	0.0000E+00
326	ALL	480753.45	3739515.22	2.93200E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6250E-04	0.0000E+00
327	ALL	480800.23	3739562.83	2.50520E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3884E-04	0.0000E+00
328	ALL	480813.88	3739596.20	2.36010E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3081E-04	0.0000E+00
329	ALL	480827.53	3739629.58	2.17940E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2079E-04	0.0000E+00
330	ALL	480841.18	3739662.95	1.97700E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0957E-04	0.0000E+00
331	ALL	480854.83	3739696.32	1.76790E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.7985E-05	0.0000E+00
332	ALL	480868.48	3739729.69	1.55380E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.6118E-05	0.0000E+00
333	ALL	480882.13	3739763.07	1.36800E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.5820E-05	0.0000E+00
334	ALL	480895.78	3739796.44	1.20410E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.6737E-05	0.0000E+00
335	ALL	480488.45	3739401.31	2.99460E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6597E-04	0.0000E+00
336	ALL	480448.92	3739400.61	2.84920E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5791E-04	0.0000E+00
337	ALL	480409.39	3739399.91	2.67770E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4841E-04	0.0000E+00
338	ALL	480369.86	3739399.21	2.50880E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3905E-04	0.0000E+00
339	ALL	480330.33	3739398.51	2.39450E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3271E-04	0.0000E+00
340	ALL	480523.25	3739358.70	2.60420E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4433E-04	0.0000E+00
341	ALL	480557.04	3739373.22	2.79140E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5471E-04	0.0000E+00
342	ALL	480590.82	3739387.74	2.93710E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6278E-04	0.0000E+00
343	ALL	480624.61	3739402.27	3.02220E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6750E-04	0.0000E+00
344	ALL	480658.40	3739416.79	3.03320E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6811E-04	0.0000E+00
345	ALL	480692.19	3739431.32	2.96570E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6437E-04	0.0000E+00
346	ALL	480725.98	3739445.84	2.82510E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5658E-04	0.0000E+00
347	ALL	480759.76	3739460.36	2.62610E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4554E-04	0.0000E+00
348	ALL	480793.55	3739474.89	2.38800E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3235E-04	0.0000E+00
349	ALL	480841.26	3739523.45	2.05170E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1371E-04	0.0000E+00
350	ALL	480855.19	3739557.49	1.93840E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0743E-04	0.0000E+00
351	ALL	480869.11	3739591.53	1.79960E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.9741E-05	0.0000E+00
352	ALL	480883.03	3739625.57	1.64480E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.1162E-05	0.0000E+00
353	ALL	480896.96	3739659.61	1.48410E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.2251E-05	0.0000E+00
354	ALL	480910.88	3739693.65	1.32670E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.3530E-05	0.0000E+00
355	ALL	480924.80	3739727.69	1.17160E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.4933E-05	0.0000E+00
356	ALL	480938.73	3739761.73	1.04010E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.7646E-05	0.0000E+00
357	ALL	480952.65	3739795.77	9.25940E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.1319E-05	0.0000E+00
358	ALL	480489.46	3739344.17	2.39570E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3278E-04	0.0000E+00
359	ALL	480449.93	3739343.47	2.28090E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2641E-04	0.0000E+00
360	ALL	480410.40	3739342.77	2.15460E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1941E-04	0.0000E+00
361	ALL	480370.87	3739342.07	2.03710E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1290E-04	0.0000E+00
362	ALL	480331.34	3739341.37	1.97420E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0941E-04	0.0000E+00
363	ALL	480524.80	3739301.79	2.12490E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1777E-04	0.0000E+00
364	ALL	480559.13	3739316.55	2.28100E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2642E-04	0.0000E+00
365	ALL	480593.46	3739331.31	2.41310E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3374E-04	0.0000E+00
366	ALL	480627.79	3739346.07	2.50690E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3894E-04	0.0000E+00
367	ALL	480662.12	3739360.82	2.55020E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4134E-04	0.0000E+00
368	ALL	480696.45	3739375.58	2.53600E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4055E-04	0.0000E+00
369	ALL	480730.78	3739390.34	2.46340E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3653E-04	0.0000E+00
370	ALL	480765.11	3739405.09	2.33850E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2961E-04	0.0000E+00
371	ALL	480799.44	3739419.85	2.17290E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2043E-04	0.0000E+00
372	ALL	480833.77	3739434.61	1.98090E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0979E-04	0.0000E+00
373	ALL	480882.25	3739483.95	1.71130E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.4846E-05	0.0000E+00
374	ALL	480896.40	3739518.54	1.62130E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.9858E-05	0.0000E+00
375	ALL	480910.54	3739553.12	1.51260E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.3834E-05	0.0000E+00

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Cancer Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Chronic Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Acute Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI NonCancerChronic	MAXHI Acute
376	ALL	480924.69	3739587.71	1.39190E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.7142E-05	0.0000E+00
377	ALL	480938.84	3739622.29	1.26620E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.0176E-05	0.0000E+00
378	ALL	480952.98	3739656.88	1.14210E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.3297E-05	0.0000E+00
379	ALL	480967.13	3739691.47	1.02460E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.6787E-05	0.0000E+00
380	ALL	480981.28	3739726.05	9.17360E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.0843E-05	0.0000E+00
381	ALL	480995.42	3739760.64	8.22310E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.5575E-05	0.0000E+00
382	ALL	481009.57	3739795.22	7.37570E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.0878E-05	0.0000E+00
383	ALL	480490.47	3739287.04	1.95900E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0857E-04	0.0000E+00
384	ALL	480450.94	3739286.34	1.86850E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0356E-04	0.0000E+00
385	ALL	480411.41	3739285.64	1.77330E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.8281E-05	0.0000E+00
386	ALL	480371.88	3739284.94	1.68830E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.3569E-05	0.0000E+00
387	ALL	480332.35	3739284.24	1.65180E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.1550E-05	0.0000E+00
388	ALL	480526.26	3739244.86	1.76490E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.7818E-05	0.0000E+00
389	ALL	480561.05	3739259.81	1.89400E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0497E-04	0.0000E+00
390	ALL	480595.83	3739274.76	2.00940E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1137E-04	0.0000E+00
391	ALL	480630.61	3739289.71	2.10100E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1644E-04	0.0000E+00
392	ALL	480665.39	3739304.66	2.15870E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1964E-04	0.0000E+00
393	ALL	480700.17	3739319.61	2.17500E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2055E-04	0.0000E+00
394	ALL	480734.96	3739334.56	2.14660E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1897E-04	0.0000E+00
395	ALL	480769.74	3739349.51	2.07450E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1498E-04	0.0000E+00
396	ALL	480804.52	3739364.46	1.96460E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0888E-04	0.0000E+00
397	ALL	480839.30	3739379.42	1.82590E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0120E-04	0.0000E+00
398	ALL	480874.08	3739394.37	1.66890E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.2497E-05	0.0000E+00
399	ALL	480923.20	3739444.36	1.44960E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.0339E-05	0.0000E+00
400	ALL	480937.53	3739479.40	1.37700E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.6316E-05	0.0000E+00
401	ALL	480951.86	3739514.44	1.29040E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.1518E-05	0.0000E+00
402	ALL	480966.20	3739549.48	1.19460E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.6206E-05	0.0000E+00
403	ALL	480980.53	3739584.52	1.09470E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.0671E-05	0.0000E+00
404	ALL	480994.86	3739619.56	9.95390E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.5168E-05	0.0000E+00
405	ALL	481009.19	3739654.61	9.00460E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.9906E-05	0.0000E+00
406	ALL	481023.53	3739689.65	8.12640E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.5039E-05	0.0000E+00
407	ALL	481037.86	3739724.69	7.33540E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.0655E-05	0.0000E+00
408	ALL	481052.19	3739759.73	6.63820E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.6791E-05	0.0000E+00
409	ALL	481066.53	3739794.77	6.03390E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.3442E-05	0.0000E+00
410	ALL	480491.48	3739229.90	1.63200E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.0448E-05	0.0000E+00
411	ALL	480451.95	3739229.20	1.55990E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.6453E-05	0.0000E+00
412	ALL	480412.42	3739228.50	1.48590E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.2355E-05	0.0000E+00
413	ALL	480372.89	3739227.80	1.41930E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.8661E-05	0.0000E+00
414	ALL	480333.36	3739227.10	1.38040E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.6509E-05	0.0000E+00
415	ALL	480254.73	3739824.13	2.72660E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5111E-03	0.0000E+00
416	ALL	480255.16	3739859.55	3.51080E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9458E-03	0.0000E+00
417	ALL	480259.09	3739897.46	4.41090E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4447E-03	0.0000E+00
418	ALL	480259.52	3739932.88	4.60660E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5531E-03	0.0000E+00
419	ALL	480259.96	3739968.30	4.47470E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4800E-03	0.0000E+00
420	ALL	480257.91	3740005.71	3.64550E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0204E-03	0.0000E+00
421	ALL	480257.85	3740042.13	2.78680E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5445E-03	0.0000E+00
422	ALL	480261.27	3740091.18	1.96600E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0896E-03	0.0000E+00
423	ALL	480233.61	3739809.89	1.73890E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.6373E-04	0.0000E+00
424	ALL	480233.65	3739862.35	2.28210E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2648E-03	0.0000E+00
425	ALL	480234.09	3739897.77	2.53480E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4048E-03	0.0000E+00
426	ALL	480234.53	3739933.19	2.63330E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4595E-03	0.0000E+00
427	ALL	480234.96	3739968.61	2.55940E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4185E-03	0.0000E+00
428	ALL	480232.91	3740006.77	2.19410E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2160E-03	0.0000E+00
429	ALL	480233.85	3740043.18	1.88480E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0446E-03	0.0000E+00
430	ALL	480236.28	3740091.49	1.50110E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.3194E-04	0.0000E+00
431	ALL	480232.71	3739799.69	1.60480E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.8941E-04	0.0000E+00
432	ALL	480233.03	3739773.68	1.33560E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.4022E-04	0.0000E+00
433	ALL	480230.62	3739824.25	1.81810E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0077E-03	0.0000E+00
434	ALL	480233.55	3739848.47	2.15210E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1927E-03	0.0000E+00
435	ALL	480231.75	3739907.79	2.46220E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3646E-03	0.0000E+00
436	ALL	480211.28	3740091.80	1.15750E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.4152E-04	0.0000E+00
437	ALL	480193.04	3739803.50	1.04710E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.8034E-04	0.0000E+00
438	ALL	480231.49	3739785.43	1.43130E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.9328E-04	0.0000E+00
439	ALL	480236.79	3739745.72	1.11980E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.2060E-04	0.0000E+00
440	ALL	480260.88	3739736.02	1.26510E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.0114E-04	0.0000E+00

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Cancer Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Chronic Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Acute Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI NonCancerChronic	MAXHI Acute
441	ALL	480183.22	3739827.55	1.02600E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.6864E-04	0.0000E+00
442	ALL	480185.14	3739859.99	1.13390E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.2842E-04	0.0000E+00
443	ALL	480184.09	3739898.39	1.18210E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.5514E-04	0.0000E+00
444	ALL	480184.53	3739933.81	1.20220E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.6629E-04	0.0000E+00
445	ALL	480184.97	3739969.23	1.16110E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.4351E-04	0.0000E+00
446	ALL	480191.34	3740020.82	1.14430E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.3423E-04	0.0000E+00
447	ALL	480191.12	3740046.80	1.06910E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.9252E-04	0.0000E+00
448	ALL	480186.28	3740092.11	9.04520E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.0131E-04	0.0000E+00
449	ALL	480170.50	3739797.80	8.27860E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.5883E-04	0.0000E+00
450	ALL	480182.78	3739767.74	8.18650E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.5372E-04	0.0000E+00
451	ALL	480225.18	3739725.57	8.88810E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.9261E-04	0.0000E+00
452	ALL	480259.39	3739713.45	1.03770E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.7514E-04	0.0000E+00
453	ALL	480158.22	3739827.85	7.97840E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.4219E-04	0.0000E+00
454	ALL	480158.66	3739863.27	8.45030E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.6834E-04	0.0000E+00
455	ALL	480159.09	3739898.69	8.75710E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.8535E-04	0.0000E+00
456	ALL	480159.53	3739934.11	8.82410E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.8906E-04	0.0000E+00
457	ALL	480159.97	3739969.53	8.66570E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.8028E-04	0.0000E+00
458	ALL	480168.45	3740023.51	8.80600E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.8805E-04	0.0000E+00
459	ALL	480166.12	3740047.11	8.23450E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.5638E-04	0.0000E+00
460	ALL	480161.28	3740092.41	7.27400E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.0315E-04	0.0000E+00
461	ALL	480144.27	3739801.11	6.64330E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.6819E-04	0.0000E+00
462	ALL	480155.32	3739774.06	6.73930E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.7352E-04	0.0000E+00
463	ALL	480166.38	3739747.01	6.61340E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.6653E-04	0.0000E+00
464	ALL	480204.54	3739709.05	7.01090E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.8856E-04	0.0000E+00
465	ALL	480231.65	3739698.15	7.71710E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.2770E-04	0.0000E+00
466	ALL	480260.99	3739699.13	9.41170E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.2163E-04	0.0000E+00
467	ALL	480133.22	3739828.16	6.36730E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.5289E-04	0.0000E+00
468	ALL	480133.66	3739863.58	6.66620E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.6946E-04	0.0000E+00
469	ALL	480134.10	3739899.00	6.82140E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.7806E-04	0.0000E+00
470	ALL	480134.53	3739934.42	6.83230E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.7867E-04	0.0000E+00
471	ALL	480134.97	3739969.84	6.72360E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.7264E-04	0.0000E+00
472	ALL	480140.23	3740021.80	6.69700E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.7117E-04	0.0000E+00
473	ALL	480142.88	3740046.83	6.63610E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.6779E-04	0.0000E+00
474	ALL	480136.28	3740092.72	5.96020E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.3033E-04	0.0000E+00
475	ALL	480121.12	3739796.91	5.47850E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0364E-04	0.0000E+00
476	ALL	480134.01	3739765.35	5.57730E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0911E-04	0.0000E+00
477	ALL	480146.90	3739733.79	5.49200E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0439E-04	0.0000E+00
478	ALL	480191.43	3739689.51	5.83510E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.2340E-04	0.0000E+00
479	ALL	480223.05	3739676.79	6.42190E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.5592E-04	0.0000E+00
480	ALL	480254.68	3739664.06	7.06470E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.9155E-04	0.0000E+00
481	ALL	480108.22	3739828.47	5.22000E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.8931E-04	0.0000E+00
482	ALL	480108.66	3739863.89	5.39480E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.9899E-04	0.0000E+00
483	ALL	480109.10	3739899.31	5.46960E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0314E-04	0.0000E+00
484	ALL	480109.54	3739934.73	5.45710E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0245E-04	0.0000E+00
485	ALL	480109.97	3739970.15	5.37870E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.9810E-04	0.0000E+00
486	ALL	480115.24	3740022.11	5.39290E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.9889E-04	0.0000E+00
487	ALL	480118.17	3740046.56	5.39470E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.9899E-04	0.0000E+00
488	ALL	480111.29	3740093.03	4.97190E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.7556E-04	0.0000E+00
489	ALL	480095.01	3739799.93	4.57830E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5374E-04	0.0000E+00
490	ALL	480106.80	3739771.07	4.70630E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.6084E-04	0.0000E+00
491	ALL	480118.59	3739742.22	4.71670E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.6141E-04	0.0000E+00
492	ALL	480130.38	3739713.36	4.61930E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5602E-04	0.0000E+00
493	ALL	480171.08	3739672.88	4.83830E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.6816E-04	0.0000E+00
494	ALL	480200.00	3739661.24	5.23660E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.9023E-04	0.0000E+00
495	ALL	480228.92	3739649.61	5.63090E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.1208E-04	0.0000E+00
496	ALL	480257.83	3739637.98	6.12090E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.3924E-04	0.0000E+00
497	ALL	480083.23	3739828.78	4.35930E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4161E-04	0.0000E+00
498	ALL	480083.66	3739864.20	4.45900E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4713E-04	0.0000E+00
499	ALL	480084.10	3739899.62	4.49130E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4892E-04	0.0000E+00
500	ALL	480084.54	3739935.04	4.46980E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4773E-04	0.0000E+00
501	ALL	480084.98	3739970.46	4.41220E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4454E-04	0.0000E+00
502	ALL	480090.24	3740022.42	4.44290E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4624E-04	0.0000E+00
503	ALL	480091.12	3740048.04	4.39640E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4366E-04	0.0000E+00
504	ALL	480098.56	3740093.98	4.56460E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5299E-04	0.0000E+00
505	ALL	480038.72	3739798.57	3.22430E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7870E-04	0.0000E+00

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Cancer Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Chronic Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Acute Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI NonCancerChronic	MAXHI Acute
506	ALL	480051.35	3739767.66	3.35400E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8589E-04	0.0000E+00
507	ALL	480063.98	3739736.74	3.41800E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8943E-04	0.0000E+00
508	ALL	480076.61	3739705.83	3.40340E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8863E-04	0.0000E+00
509	ALL	480089.24	3739674.91	3.31140E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8353E-04	0.0000E+00
510	ALL	480132.85	3739631.53	3.42870E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9003E-04	0.0000E+00
511	ALL	480163.83	3739619.07	3.66330E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0303E-04	0.0000E+00
512	ALL	480194.82	3739606.60	3.88810E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1549E-04	0.0000E+00
513	ALL	480225.80	3739594.14	4.12400E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2856E-04	0.0000E+00
514	ALL	480256.78	3739581.67	4.47270E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4789E-04	0.0000E+00
515	ALL	480026.09	3739829.49	3.04980E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6903E-04	0.0000E+00
516	ALL	480026.52	3739864.91	3.07380E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7036E-04	0.0000E+00
517	ALL	480026.96	3739900.33	3.06970E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7013E-04	0.0000E+00
518	ALL	480027.40	3739935.75	3.04770E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6892E-04	0.0000E+00
519	ALL	480027.84	3739971.17	3.01770E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6725E-04	0.0000E+00
520	ALL	480028.27	3740006.59	2.98830E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6562E-04	0.0000E+00
521	ALL	480028.71	3740042.01	2.97010E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6461E-04	0.0000E+00
522	ALL	480029.15	3740094.05	3.05840E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6951E-04	0.0000E+00
523	ALL	479982.18	3739797.80	2.40040E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3304E-04	0.0000E+00
524	ALL	479995.41	3739765.42	2.51200E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3922E-04	0.0000E+00
525	ALL	480008.64	3739733.03	2.58780E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4343E-04	0.0000E+00
526	ALL	480021.88	3739700.64	2.61590E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4498E-04	0.0000E+00
527	ALL	480035.11	3739668.26	2.59070E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4359E-04	0.0000E+00
528	ALL	480048.34	3739635.87	2.51540E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3941E-04	0.0000E+00
529	ALL	480094.03	3739590.42	2.56340E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4207E-04	0.0000E+00
530	ALL	480126.49	3739577.37	2.72170E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5084E-04	0.0000E+00
531	ALL	480158.94	3739564.31	2.86140E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5859E-04	0.0000E+00
532	ALL	480191.40	3739551.25	3.00100E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6632E-04	0.0000E+00
533	ALL	480223.86	3739538.19	3.16090E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7519E-04	0.0000E+00
534	ALL	480256.32	3739525.13	3.44390E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9087E-04	0.0000E+00
535	ALL	479968.95	3739830.19	2.26790E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2570E-04	0.0000E+00
536	ALL	479969.39	3739865.61	2.26930E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2577E-04	0.0000E+00
537	ALL	479969.82	3739901.03	2.25890E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2520E-04	0.0000E+00
538	ALL	479970.26	3739936.45	2.24320E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2433E-04	0.0000E+00
539	ALL	479970.70	3739971.87	2.22810E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2349E-04	0.0000E+00
540	ALL	479971.14	3740007.29	2.21940E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2301E-04	0.0000E+00
541	ALL	479971.57	3740042.71	2.22620E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2338E-04	0.0000E+00
542	ALL	480015.51	3740093.44	2.85620E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5830E-04	0.0000E+00
543	ALL	479923.97	3739801.13	1.85650E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0289E-04	0.0000E+00
544	ALL	479936.14	3739771.36	1.93890E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0746E-04	0.0000E+00
545	ALL	479948.30	3739741.59	2.00810E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1130E-04	0.0000E+00
546	ALL	479960.46	3739711.82	2.05720E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1402E-04	0.0000E+00
547	ALL	479972.62	3739682.05	2.08040E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1530E-04	0.0000E+00
548	ALL	479984.79	3739652.28	2.07470E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1499E-04	0.0000E+00
549	ALL	479996.95	3739622.51	2.04020E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1307E-04	0.0000E+00
550	ALL	480009.11	3739592.74	1.98040E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0976E-04	0.0000E+00
551	ALL	480051.11	3739550.96	1.99330E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1047E-04	0.0000E+00
552	ALL	480080.94	3739538.96	2.08410E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1551E-04	0.0000E+00
553	ALL	480110.78	3739526.96	2.17590E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2059E-04	0.0000E+00
554	ALL	480140.61	3739514.96	2.25600E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2504E-04	0.0000E+00
555	ALL	480170.45	3739502.95	2.33730E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2954E-04	0.0000E+00
556	ALL	480200.28	3739490.95	2.42720E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3452E-04	0.0000E+00
557	ALL	480230.12	3739478.95	2.54730E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4118E-04	0.0000E+00
558	ALL	480259.95	3739466.94	2.81990E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5629E-04	0.0000E+00
559	ALL	479911.81	3739830.90	1.76790E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.7984E-05	0.0000E+00
560	ALL	479912.25	3739866.32	1.76330E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.7729E-05	0.0000E+00
561	ALL	479912.68	3739901.74	1.75410E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.7216E-05	0.0000E+00
562	ALL	479913.12	3739937.16	1.74430E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.6674E-05	0.0000E+00
563	ALL	479913.56	3739972.58	1.73800E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.6323E-05	0.0000E+00
564	ALL	479914.00	3740008.00	1.73960E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.6416E-05	0.0000E+00
565	ALL	479914.43	3740043.42	1.75850E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.7463E-05	0.0000E+00
566	ALL	479914.87	3740087.30	1.84790E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0241E-04	0.0000E+00
567	ALL	479867.30	3739800.69	1.49730E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.2983E-05	0.0000E+00
568	ALL	479879.93	3739769.77	1.56250E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.6598E-05	0.0000E+00
569	ALL	479892.56	3739738.86	1.62100E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.9843E-05	0.0000E+00
570	ALL	479905.19	3739707.94	1.66780E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.2436E-05	0.0000E+00

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Cancer Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Chronic Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Acute Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	NonCancerChronic	MAXHI	Acute
571	ALL	479917.82	3739677.03	1.69820E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.4119E-05	0.0000E+00	
572	ALL	479930.45	3739646.11	1.70850E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.4693E-05	0.0000E+00	
573	ALL	479943.09	3739615.20	1.69750E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.4079E-05	0.0000E+00	
574	ALL	479955.72	3739584.28	1.66550E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.2307E-05	0.0000E+00	
575	ALL	479968.35	3739553.37	1.61590E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.9557E-05	0.0000E+00	
576	ALL	480011.96	3739509.99	1.61720E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.9628E-05	0.0000E+00	
577	ALL	480042.94	3739497.52	1.67730E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.2961E-05	0.0000E+00	
578	ALL	480073.92	3739485.06	1.74400E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.6658E-05	0.0000E+00	
579	ALL	480104.91	3739472.59	1.79920E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.9715E-05	0.0000E+00	
580	ALL	480135.89	3739460.13	1.85440E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0278E-04	0.0000E+00	
581	ALL	480166.87	3739447.67	1.91300E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0602E-04	0.0000E+00	
582	ALL	480197.85	3739435.20	1.98130E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0981E-04	0.0000E+00	
583	ALL	480228.83	3739422.74	2.08090E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1533E-04	0.0000E+00	
584	ALL	480259.82	3739410.27	2.33810E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2958E-04	0.0000E+00	
585	ALL	479854.67	3739831.60	1.42840E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.9169E-05	0.0000E+00	
586	ALL	479855.11	3739867.02	1.42320E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.8876E-05	0.0000E+00	
587	ALL	479855.55	3739902.44	1.41640E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.8503E-05	0.0000E+00	
588	ALL	479855.98	3739937.86	1.41110E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.8207E-05	0.0000E+00	
589	ALL	479856.42	3739973.28	1.41000E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.8149E-05	0.0000E+00	
590	ALL	479856.86	3740008.70	1.41750E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.8562E-05	0.0000E+00	
591	ALL	479857.30	3740044.12	1.44270E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.9960E-05	0.0000E+00	
592	ALL	479850.48	3740091.22	1.55210E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.6022E-05	0.0000E+00	
593	ALL	479810.55	3739800.46	1.23670E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.8540E-05	0.0000E+00	
594	ALL	479823.56	3739768.61	1.28800E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.1386E-05	0.0000E+00	
595	ALL	479836.57	3739736.75	1.33760E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.4131E-05	0.0000E+00	
596	ALL	479849.59	3739704.90	1.38190E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.6587E-05	0.0000E+00	
597	ALL	479862.60	3739673.05	1.41540E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.8448E-05	0.0000E+00	
598	ALL	479875.61	3739641.20	1.43340E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.9444E-05	0.0000E+00	
599	ALL	479888.63	3739609.35	1.43590E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.9580E-05	0.0000E+00	
600	ALL	479901.64	3739577.50	1.42200E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.8812E-05	0.0000E+00	
601	ALL	479914.65	3739545.64	1.39290E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.7197E-05	0.0000E+00	
602	ALL	479927.67	3739513.79	1.35110E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.4882E-05	0.0000E+00	
603	ALL	479972.60	3739469.10	1.34600E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.4597E-05	0.0000E+00	
604	ALL	480004.52	3739456.25	1.38850E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.6954E-05	0.0000E+00	
605	ALL	480036.44	3739443.41	1.42840E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.9166E-05	0.0000E+00	
606	ALL	480068.36	3739430.57	1.47530E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.1766E-05	0.0000E+00	
607	ALL	480100.28	3739417.73	1.51460E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.3942E-05	0.0000E+00	
608	ALL	480132.20	3739404.88	1.55470E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.6165E-05	0.0000E+00	
609	ALL	480164.13	3739392.04	1.59890E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.8617E-05	0.0000E+00	
610	ALL	480196.05	3739379.20	1.65330E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.1632E-05	0.0000E+00	
611	ALL	480227.97	3739366.36	1.73890E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.6377E-05	0.0000E+00	
612	ALL	480259.89	3739353.51	1.98760E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1016E-04	0.0000E+00	
613	ALL	479797.53	3739832.31	1.18500E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.5674E-05	0.0000E+00	
614	ALL	479797.97	3739867.73	1.18010E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.5403E-05	0.0000E+00	
615	ALL	479798.41	3739903.15	1.17510E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.5127E-05	0.0000E+00	
616	ALL	479798.85	3739938.57	1.17200E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.4957E-05	0.0000E+00	
617	ALL	479799.28	3739973.99	1.17330E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.5026E-05	0.0000E+00	
618	ALL	479799.72	3740009.41	1.18300E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.5565E-05	0.0000E+00	
619	ALL	479800.16	3740044.83	1.21120E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.7128E-05	0.0000E+00	
620	ALL	479803.01	3740092.73	1.37820E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.6385E-05	0.0000E+00	
621	ALL	479753.73	3739800.38	1.05100E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.8251E-05	0.0000E+00	
622	ALL	479767.06	3739767.75	1.09180E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.0514E-05	0.0000E+00	
623	ALL	479780.39	3739735.12	1.13130E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.2699E-05	0.0000E+00	
624	ALL	479793.72	3739702.49	1.16700E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.4681E-05	0.0000E+00	
625	ALL	479807.06	3739669.85	1.19660E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.6319E-05	0.0000E+00	
626	ALL	479820.39	3739637.22	1.21740E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.7469E-05	0.0000E+00	
627	ALL	479833.72	3739604.59	1.22780E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.8048E-05	0.0000E+00	
628	ALL	479847.05	3739571.96	1.22760E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.8036E-05	0.0000E+00	
629	ALL	479860.38	3739539.32	1.21430E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.7300E-05	0.0000E+00	
630	ALL	479873.72	3739506.69	1.18800E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.5841E-05	0.0000E+00	
631	ALL	479887.05	3739474.06	1.15230E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.3866E-05	0.0000E+00	
632	ALL	479933.08	3739428.27	1.14370E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.3387E-05	0.0000E+00	
633	ALL	479965.79	3739415.11	1.17480E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.5109E-05	0.0000E+00	
634	ALL	479998.49	3739401.95	1.20390E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.6721E-05	0.0000E+00	
635	ALL	480031.19	3739388.80	1.23650E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.8531E-05	0.0000E+00	

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Cancer Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Chronic Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Acute Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI NonCancerChronic	MAXHI Acute
636	ALL	480063.90	3739375.64	1.26650E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.0196E-05	0.0000E+00
637	ALL	480096.60	3739362.48	1.29500E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.1771E-05	0.0000E+00
638	ALL	480129.30	3739349.32	1.32510E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.3441E-05	0.0000E+00
639	ALL	480162.01	3739336.17	1.35920E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.5331E-05	0.0000E+00
640	ALL	480194.71	3739323.01	1.40280E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.7746E-05	0.0000E+00
641	ALL	480227.41	3739309.85	1.47610E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.1810E-05	0.0000E+00
642	ALL	480260.12	3739296.70	1.71590E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.5100E-05	0.0000E+00
643	ALL	479740.39	3739833.01	1.01060E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.6010E-05	0.0000E+00
644	ALL	479740.83	3739868.43	1.00640E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.5780E-05	0.0000E+00
645	ALL	479741.27	3739903.85	1.00250E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.5563E-05	0.0000E+00
646	ALL	479741.71	3739939.27	1.00010E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.5429E-05	0.0000E+00
647	ALL	479742.14	3739974.69	1.00100E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.5477E-05	0.0000E+00
648	ALL	479742.58	3740010.11	1.00840E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.5888E-05	0.0000E+00
649	ALL	479743.02	3740045.53	1.03150E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.7167E-05	0.0000E+00
650	ALL	479741.04	3740094.65	1.18750E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.5814E-05	0.0000E+00
651	ALL	479695.89	3739802.81	9.08260E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.0339E-05	0.0000E+00
652	ALL	479708.52	3739771.89	9.38680E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.2024E-05	0.0000E+00
653	ALL	479721.15	3739740.98	9.68800E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.3694E-05	0.0000E+00
654	ALL	479733.78	3739710.06	9.97510E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.5285E-05	0.0000E+00
655	ALL	479746.41	3739679.15	1.02340E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.6720E-05	0.0000E+00
656	ALL	479759.04	3739648.23	1.04500E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.7916E-05	0.0000E+00
657	ALL	479771.67	3739617.32	1.06070E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.8788E-05	0.0000E+00
658	ALL	479784.30	3739586.40	1.06930E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.9264E-05	0.0000E+00
659	ALL	479796.93	3739555.49	1.06980E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.9290E-05	0.0000E+00
660	ALL	479809.56	3739524.57	1.06290E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.8909E-05	0.0000E+00
661	ALL	479822.19	3739493.66	1.04820E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.8093E-05	0.0000E+00
662	ALL	479834.82	3739462.74	1.02570E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.6849E-05	0.0000E+00
663	ALL	479847.45	3739431.83	9.96620E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.5236E-05	0.0000E+00
664	ALL	479891.07	3739388.45	9.86910E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.4697E-05	0.0000E+00
665	ALL	479922.05	3739375.98	1.00860E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.5897E-05	0.0000E+00
666	ALL	479953.03	3739363.52	1.02880E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.7022E-05	0.0000E+00
667	ALL	479984.01	3739351.05	1.04820E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.8096E-05	0.0000E+00
668	ALL	480014.99	3739338.59	1.06800E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.9193E-05	0.0000E+00
669	ALL	480045.98	3739326.12	1.09180E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.0509E-05	0.0000E+00
670	ALL	480076.96	3739313.66	1.11120E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.1588E-05	0.0000E+00
671	ALL	480107.94	3739301.19	1.13150E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.2712E-05	0.0000E+00
672	ALL	480138.92	3739288.73	1.15350E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.3933E-05	0.0000E+00
673	ALL	480169.90	3739276.26	1.17900E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.5345E-05	0.0000E+00
674	ALL	480200.89	3739263.80	1.21250E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.7200E-05	0.0000E+00
675	ALL	480231.87	3739251.33	1.26940E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.0357E-05	0.0000E+00
676	ALL	480262.85	3739238.87	1.46330E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.1101E-05	0.0000E+00
677	ALL	479683.26	3739833.72	8.78490E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.8689E-05	0.0000E+00
678	ALL	479683.69	3739869.14	8.74980E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.8494E-05	0.0000E+00
679	ALL	479684.13	3739904.56	8.71680E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.8311E-05	0.0000E+00
680	ALL	479684.57	3739939.98	8.69330E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.8181E-05	0.0000E+00
681	ALL	479685.01	3739975.40	8.68750E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.8149E-05	0.0000E+00
682	ALL	479685.44	3740010.82	8.71260E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.8288E-05	0.0000E+00
683	ALL	479685.88	3740046.24	8.79570E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.8749E-05	0.0000E+00
684	ALL	479688.73	3740094.15	9.25290E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.1282E-05	0.0000E+00
685	ALL	480306.91	3740157.53	1.71630E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.5124E-04	0.0000E+00
686	ALL	480260.86	3740173.36	1.15960E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.4270E-04	0.0000E+00
687	ALL	480215.29	3740154.20	9.22610E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.1134E-04	0.0000E+00
688	ALL	480307.62	3740173.75	1.52890E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.4737E-04	0.0000E+00
689	ALL	480260.06	3740196.97	1.01330E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.6160E-04	0.0000E+00
690	ALL	480235.48	3740184.04	9.18730E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.0919E-04	0.0000E+00
691	ALL	480228.76	3740165.07	9.63840E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.3419E-04	0.0000E+00
692	ALL	480191.97	3740155.78	7.66810E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.2499E-04	0.0000E+00
693	ALL	480304.52	3740200.94	1.25580E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.9599E-04	0.0000E+00
694	ALL	480257.01	3740210.97	9.23970E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.1209E-04	0.0000E+00
695	ALL	480227.32	3740212.01	7.67790E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.2553E-04	0.0000E+00
696	ALL	480174.75	3740195.52	5.89380E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.2665E-04	0.0000E+00
697	ALL	480176.67	3740166.77	6.58930E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.6520E-04	0.0000E+00
698	ALL	480316.22	3740231.95	1.07310E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.9474E-04	0.0000E+00
699	ALL	480292.31	3740254.54	9.10330E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.0454E-04	0.0000E+00
700	ALL	480266.27	3740246.59	8.25980E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.5779E-04	0.0000E+00

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Cancer Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Chronic Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Acute Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI NonCancerChronic	MAXHI Acute
701	ALL	480177.97	3740207.78	5.77320E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.1997E-04	0.0000E+00
702	ALL	480171.00	3740185.67	5.94640E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.2957E-04	0.0000E+00
703	ALL	480146.20	3740152.03	5.67470E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.1451E-04	0.0000E+00
704	ALL	480319.32	3740256.76	9.30750E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.1585E-04	0.0000E+00
705	ALL	480296.00	3740279.52	7.99900E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.4333E-04	0.0000E+00
706	ALL	480271.14	3740271.93	7.63190E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.2298E-04	0.0000E+00
707	ALL	480246.29	3740264.35	6.78160E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.7586E-04	0.0000E+00
708	ALL	480221.43	3740256.76	6.15400E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.4107E-04	0.0000E+00
709	ALL	480178.15	3740232.02	5.34490E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.9623E-04	0.0000E+00
710	ALL	480145.69	3740200.99	4.86840E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.6982E-04	0.0000E+00
711	ALL	480144.44	3740182.60	5.08280E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.8171E-04	0.0000E+00
712	ALL	480143.57	3740166.07	5.30850E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.9421E-04	0.0000E+00
713	ALL	480322.42	3740281.57	8.12860E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.5051E-04	0.0000E+00
714	ALL	480298.51	3740311.39	6.87000E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.8076E-04	0.0000E+00
715	ALL	480272.47	3740296.20	6.95400E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.8541E-04	0.0000E+00
716	ALL	480246.43	3740288.25	6.14120E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.4037E-04	0.0000E+00
717	ALL	480220.39	3740280.30	5.58610E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0960E-04	0.0000E+00
718	ALL	480168.31	3740264.40	4.60400E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5517E-04	0.0000E+00
719	ALL	480149.57	3740248.07	4.38670E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4313E-04	0.0000E+00
720	ALL	480146.69	3740224.84	4.59410E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5462E-04	0.0000E+00
721	ALL	480146.79	3740214.25	4.72800E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.6204E-04	0.0000E+00
722	ALL	480099.32	3740163.90	4.07380E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2578E-04	0.0000E+00
723	ALL	480103.87	3740149.21	4.39830E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4377E-04	0.0000E+00
724	ALL	480325.52	3740313.62	6.88630E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.8166E-04	0.0000E+00
725	ALL	480300.78	3740340.12	6.03990E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.3475E-04	0.0000E+00
726	ALL	480251.66	3740344.38	5.05890E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.8038E-04	0.0000E+00
727	ALL	480224.88	3740336.21	4.66120E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5834E-04	0.0000E+00
728	ALL	480198.09	3740328.03	4.31960E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.3941E-04	0.0000E+00
729	ALL	480171.31	3740319.85	3.97980E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2057E-04	0.0000E+00
730	ALL	480144.52	3740311.68	3.64070E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0178E-04	0.0000E+00
731	ALL	480111.86	3740290.79	3.31660E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8382E-04	0.0000E+00
732	ALL	480100.10	3740265.37	3.30980E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8344E-04	0.0000E+00
733	ALL	480088.35	3740239.95	3.28260E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8193E-04	0.0000E+00
734	ALL	480076.60	3740214.53	3.23880E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7950E-04	0.0000E+00
735	ALL	480064.85	3740189.11	3.18900E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7674E-04	0.0000E+00
736	ALL	480062.57	3740155.16	3.41190E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8910E-04	0.0000E+00
737	ALL	480328.16	3740342.45	5.99300E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.3215E-04	0.0000E+00
738	ALL	480312.80	3740417.58	4.38500E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4303E-04	0.0000E+00
739	ALL	480261.11	3740401.80	4.32760E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.3985E-04	0.0000E+00
740	ALL	480235.26	3740393.91	3.99360E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2134E-04	0.0000E+00
741	ALL	480209.41	3740386.02	3.75710E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0823E-04	0.0000E+00
742	ALL	480183.57	3740378.13	3.53490E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9591E-04	0.0000E+00
743	ALL	480157.72	3740370.24	3.30590E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8322E-04	0.0000E+00
744	ALL	480131.88	3740362.35	3.07360E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7035E-04	0.0000E+00
745	ALL	480106.03	3740354.46	2.84330E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5758E-04	0.0000E+00
746	ALL	480074.51	3740334.31	2.61920E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4516E-04	0.0000E+00
747	ALL	480063.17	3740309.78	2.60750E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4451E-04	0.0000E+00
748	ALL	480051.83	3740285.25	2.58330E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4318E-04	0.0000E+00
749	ALL	480040.49	3740260.72	2.54830E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4123E-04	0.0000E+00
750	ALL	480029.15	3740236.19	2.50490E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3883E-04	0.0000E+00
751	ALL	480017.81	3740211.67	2.45810E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3623E-04	0.0000E+00
752	ALL	480006.47	3740187.14	2.41860E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3404E-04	0.0000E+00
753	ALL	479989.56	3740157.03	2.40360E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3321E-04	0.0000E+00
754	ALL	480339.71	3740419.78	4.31130E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.3894E-04	0.0000E+00
755	ALL	480319.62	3740474.20	3.57940E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9838E-04	0.0000E+00
756	ALL	480266.86	3740458.09	3.76000E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0839E-04	0.0000E+00
757	ALL	480240.48	3740450.04	3.40610E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8877E-04	0.0000E+00
758	ALL	480214.10	3740441.99	3.23490E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7929E-04	0.0000E+00
759	ALL	480187.72	3740433.94	3.07710E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7054E-04	0.0000E+00
760	ALL	480161.34	3740425.88	2.91340E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6147E-04	0.0000E+00
761	ALL	480134.96	3740417.83	2.74260E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5201E-04	0.0000E+00
762	ALL	480108.58	3740409.78	2.56830E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4234E-04	0.0000E+00
763	ALL	480082.20	3740401.72	2.39450E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3271E-04	0.0000E+00
764	ALL	480055.82	3740393.67	2.22470E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2330E-04	0.0000E+00
765	ALL	480036.85	3740377.13	2.13900E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1855E-04	0.0000E+00

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Cancer Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Chronic Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Acute Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI NonCancerChronic	MAXHI Acute
766	ALL	480025.27	3740352.09	2.12560E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1781E-04	0.0000E+00
767	ALL	480013.70	3740327.06	2.10380E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1660E-04	0.0000E+00
768	ALL	480002.12	3740302.02	2.07420E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1496E-04	0.0000E+00
769	ALL	479990.55	3740276.99	2.03860E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1298E-04	0.0000E+00
770	ALL	479978.97	3740251.95	1.99880E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1078E-04	0.0000E+00
771	ALL	479967.40	3740226.92	1.95830E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0854E-04	0.0000E+00
772	ALL	479955.82	3740201.88	1.92330E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0659E-04	0.0000E+00
773	ALL	479944.25	3740176.85	1.90920E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0581E-04	0.0000E+00
774	ALL	479943.82	3740151.81	2.05810E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1407E-04	0.0000E+00
775	ALL	480346.80	3740476.48	3.49500E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9370E-04	0.0000E+00
776	ALL	480326.51	3740530.84	2.98150E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6525E-04	0.0000E+00
777	ALL	480305.88	3740505.61	3.35820E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8612E-04	0.0000E+00
778	ALL	480260.15	3740513.54	3.08510E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7099E-04	0.0000E+00
779	ALL	480246.16	3740506.31	2.96360E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6425E-04	0.0000E+00
780	ALL	480219.37	3740498.13	2.81580E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5606E-04	0.0000E+00
781	ALL	480192.58	3740489.96	2.69940E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4961E-04	0.0000E+00
782	ALL	480165.80	3740481.78	2.58170E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4309E-04	0.0000E+00
783	ALL	480139.01	3740473.60	2.45700E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3617E-04	0.0000E+00
784	ALL	480112.23	3740465.43	2.32630E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2893E-04	0.0000E+00
785	ALL	480085.44	3740457.25	2.19220E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2150E-04	0.0000E+00
786	ALL	480058.66	3740449.07	2.05770E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1405E-04	0.0000E+00
787	ALL	480031.87	3740440.90	1.92540E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0671E-04	0.0000E+00
788	ALL	479999.21	3740420.01	1.79350E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.9400E-05	0.0000E+00
789	ALL	479987.45	3740394.59	1.78040E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.8674E-05	0.0000E+00
790	ALL	479975.70	3740369.17	1.76130E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.7617E-05	0.0000E+00
791	ALL	479963.95	3740343.75	1.73690E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.6264E-05	0.0000E+00
792	ALL	479952.20	3740318.33	1.70800E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.4661E-05	0.0000E+00
793	ALL	479940.44	3740292.91	1.67570E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.2871E-05	0.0000E+00
794	ALL	479928.69	3740267.49	1.64170E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.0987E-05	0.0000E+00
795	ALL	479916.94	3740242.07	1.60810E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.9127E-05	0.0000E+00
796	ALL	479905.18	3740216.64	1.57870E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.7497E-05	0.0000E+00
797	ALL	479893.43	3740191.22	1.56200E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.6570E-05	0.0000E+00
798	ALL	479881.58	3740155.21	1.51470E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.3947E-05	0.0000E+00
799	ALL	480353.90	3740533.18	2.89640E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6053E-04	0.0000E+00
800	ALL	480333.91	3740587.63	2.50680E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3893E-04	0.0000E+00
801	ALL	480307.74	3740579.65	2.72510E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5103E-04	0.0000E+00
802	ALL	480255.40	3740563.67	2.65530E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4717E-04	0.0000E+00
803	ALL	480229.23	3740555.68	2.49230E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3813E-04	0.0000E+00
804	ALL	480203.06	3740547.69	2.40140E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3309E-04	0.0000E+00
805	ALL	480176.89	3740539.70	2.31880E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2851E-04	0.0000E+00
806	ALL	480150.72	3740531.71	2.23240E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2373E-04	0.0000E+00
807	ALL	480124.55	3740523.72	2.14020E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1861E-04	0.0000E+00
808	ALL	480098.38	3740515.74	2.04270E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1321E-04	0.0000E+00
809	ALL	480072.21	3740507.75	1.94180E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0762E-04	0.0000E+00
810	ALL	480046.04	3740499.76	1.83930E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0194E-04	0.0000E+00
811	ALL	480019.87	3740491.77	1.73720E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.6281E-05	0.0000E+00
812	ALL	479993.70	3740483.78	1.63710E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.0731E-05	0.0000E+00
813	ALL	479967.19	3740463.37	1.53600E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.5132E-05	0.0000E+00
814	ALL	479950.31	3740438.54	1.52450E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.4491E-05	0.0000E+00
815	ALL	479938.83	3740413.70	1.50890E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.3627E-05	0.0000E+00
816	ALL	479927.34	3740388.87	1.48960E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.2560E-05	0.0000E+00
817	ALL	479915.86	3740364.03	1.46730E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.1323E-05	0.0000E+00
818	ALL	479904.38	3740339.19	1.44250E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.9946E-05	0.0000E+00
819	ALL	479892.90	3740314.36	1.41580E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.8467E-05	0.0000E+00
820	ALL	479881.41	3740289.52	1.38830E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.6942E-05	0.0000E+00
821	ALL	479869.93	3740264.69	1.36110E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.5438E-05	0.0000E+00
822	ALL	479858.45	3740239.85	1.33620E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.4055E-05	0.0000E+00
823	ALL	479846.96	3740215.01	1.31670E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.2975E-05	0.0000E+00
824	ALL	479835.48	3740190.18	1.31080E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.2646E-05	0.0000E+00
825	ALL	479823.44	3740155.31	1.40280E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.7750E-05	0.0000E+00
826	ALL	480360.99	3740589.88	2.43290E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3484E-04	0.0000E+00
827	ALL	480340.84	3740644.28	2.12870E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1798E-04	0.0000E+00
828	ALL	480303.19	3740613.90	2.56980E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4242E-04	0.0000E+00
829	ALL	480261.32	3740620.01	2.40030E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3303E-04	0.0000E+00
830	ALL	480234.81	3740611.92	2.20770E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2236E-04	0.0000E+00

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Cancer Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Chronic Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Acute Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI NonCancerChronic	MAXHI Acute
831	ALL	480208.30	3740603.83	2.13060E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1808E-04	0.0000E+00
832	ALL	480181.80	3740595.73	2.06940E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1469E-04	0.0000E+00
833	ALL	480155.29	3740587.64	2.00670E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1122E-04	0.0000E+00
834	ALL	480128.78	3740579.55	1.93880E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0745E-04	0.0000E+00
835	ALL	480102.28	3740571.46	1.86550E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0339E-04	0.0000E+00
836	ALL	480075.77	3740563.37	1.78770E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.9079E-05	0.0000E+00
837	ALL	480049.26	3740555.28	1.70680E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.4598E-05	0.0000E+00
838	ALL	480022.76	3740547.19	1.62450E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.0033E-05	0.0000E+00
839	ALL	479996.25	3740539.09	1.54190E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.5456E-05	0.0000E+00
840	ALL	479969.74	3740531.00	1.46040E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.0940E-05	0.0000E+00
841	ALL	479943.24	3740522.91	1.38110E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.6544E-05	0.0000E+00
842	ALL	479924.17	3740506.29	1.33840E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.4178E-05	0.0000E+00
843	ALL	479912.54	3740481.13	1.32780E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.3593E-05	0.0000E+00
844	ALL	479900.91	3740455.98	1.31430E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.2841E-05	0.0000E+00
845	ALL	479889.28	3740430.82	1.29810E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.1943E-05	0.0000E+00
846	ALL	479877.65	3740405.66	1.27950E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.0914E-05	0.0000E+00
847	ALL	479866.02	3740380.51	1.25900E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.9779E-05	0.0000E+00
848	ALL	479854.38	3740355.35	1.23700E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.8560E-05	0.0000E+00
849	ALL	479842.75	3740330.20	1.21410E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.7291E-05	0.0000E+00
850	ALL	479831.12	3740305.04	1.19090E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.6001E-05	0.0000E+00
851	ALL	479819.49	3740279.89	1.16630E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.4642E-05	0.0000E+00
852	ALL	479807.86	3740254.73	1.14320E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.3361E-05	0.0000E+00
853	ALL	479796.23	3740229.58	1.12420E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.2309E-05	0.0000E+00
854	ALL	479784.60	3740204.42	1.11410E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.1747E-05	0.0000E+00
855	ALL	479772.97	3740179.26	1.12340E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.2263E-05	0.0000E+00
856	ALL	479761.34	3740154.11	1.20130E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.6581E-05	0.0000E+00
857	ALL	480368.08	3740646.58	2.07570E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1504E-04	0.0000E+00
858	ALL	480347.79	3740700.94	1.82940E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0139E-04	0.0000E+00
859	ALL	480321.00	3740692.77	1.89430E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0499E-04	0.0000E+00
860	ALL	480302.09	3740685.24	1.99790E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1073E-04	0.0000E+00
861	ALL	480267.43	3740676.41	2.08670E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1565E-04	0.0000E+00
862	ALL	480240.65	3740668.24	1.94640E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0788E-04	0.0000E+00
863	ALL	480213.86	3740660.06	1.89440E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0499E-04	0.0000E+00
864	ALL	480187.08	3740651.88	1.85320E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0271E-04	0.0000E+00
865	ALL	480160.29	3740643.70	1.80980E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0030E-04	0.0000E+00
866	ALL	480133.50	3740635.53	1.76110E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.7604E-05	0.0000E+00
867	ALL	480106.72	3740627.35	1.70690E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.4599E-05	0.0000E+00
868	ALL	480079.93	3740619.17	1.64770E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.1320E-05	0.0000E+00
869	ALL	480053.15	3740611.00	1.58470E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.7827E-05	0.0000E+00
870	ALL	480026.36	3740602.82	1.51890E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.4183E-05	0.0000E+00
871	ALL	479999.58	3740594.64	1.45170E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.0455E-05	0.0000E+00
872	ALL	479972.79	3740586.47	1.38390E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.6699E-05	0.0000E+00
873	ALL	479946.01	3740578.29	1.31650E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.2963E-05	0.0000E+00
874	ALL	479919.22	3740570.11	1.25020E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.9291E-05	0.0000E+00
875	ALL	479886.56	3740549.23	1.18130E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.5471E-05	0.0000E+00
876	ALL	479874.80	3740523.81	1.17160E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.4935E-05	0.0000E+00
877	ALL	479863.05	3740498.39	1.15920E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.4247E-05	0.0000E+00
878	ALL	479851.30	3740472.97	1.14670E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.3556E-05	0.0000E+00
879	ALL	479839.55	3740447.55	1.12970E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.2611E-05	0.0000E+00
880	ALL	479827.79	3740422.13	1.11140E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.1599E-05	0.0000E+00
881	ALL	479816.04	3740396.71	1.09450E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.0658E-05	0.0000E+00
882	ALL	479804.29	3740371.28	1.07460E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.9557E-05	0.0000E+00
883	ALL	479792.53	3740345.86	1.05440E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.8436E-05	0.0000E+00
884	ALL	479780.78	3740320.44	1.03450E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.7334E-05	0.0000E+00
885	ALL	479769.03	3740295.02	1.01480E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.6243E-05	0.0000E+00
886	ALL	479757.27	3740269.60	9.95890E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.5195E-05	0.0000E+00
887	ALL	479745.52	3740244.18	9.78720E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.4243E-05	0.0000E+00
888	ALL	479733.77	3740218.76	9.64740E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.3469E-05	0.0000E+00
889	ALL	479722.01	3740193.34	9.57220E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.3052E-05	0.0000E+00
890	ALL	479710.26	3740167.92	9.64130E-08	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.3435E-05	0.0000E+00
891	ALL	479698.51	3740142.50	1.00090E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.5474E-05	0.0000E+00
892	ALL	480375.17	3740703.28	1.79800E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.9648E-05	0.0000E+00
893	ALL	480408.31	3740158.97	3.05810E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6949E-03	0.0000E+00
894	ALL	480444.34	3740159.32	2.96450E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6430E-03	0.0000E+00
895	ALL	480472.66	3740160.70	2.40890E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3351E-03	0.0000E+00

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Cancer Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Chronic Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Acute Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI NonCancerChronic	MAXHI Acute
896	ALL	480333.62	3740174.68	1.74180E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.6534E-04	0.0000E+00
897	ALL	480354.86	3740172.64	1.99490E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1056E-03	0.0000E+00
898	ALL	480408.07	3740183.97	2.14890E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1910E-03	0.0000E+00
899	ALL	480444.10	3740184.32	2.06130E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1425E-03	0.0000E+00
900	ALL	480480.13	3740184.67	1.68100E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.3164E-04	0.0000E+00
901	ALL	480336.71	3740198.25	1.46490E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.1190E-04	0.0000E+00
902	ALL	480376.09	3740212.43	1.49560E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.2893E-04	0.0000E+00
903	ALL	480407.82	3740208.97	1.62330E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.9966E-04	0.0000E+00
904	ALL	480443.86	3740209.32	1.54960E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.5883E-04	0.0000E+00
905	ALL	480479.89	3740209.67	1.31610E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.2941E-04	0.0000E+00
906	ALL	480377.49	3740236.59	1.22310E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.7785E-04	0.0000E+00
907	ALL	480407.58	3740233.96	1.28280E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.1098E-04	0.0000E+00
908	ALL	480443.61	3740234.31	1.22270E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.7764E-04	0.0000E+00
909	ALL	480479.65	3740234.66	1.06710E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.9139E-04	0.0000E+00
910	ALL	480377.62	3740252.30	1.08390E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.0073E-04	0.0000E+00
911	ALL	480407.34	3740258.96	1.04610E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.7979E-04	0.0000E+00
912	ALL	480443.37	3740259.31	9.97120E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.5263E-04	0.0000E+00
913	ALL	480479.40	3740259.66	8.87190E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.9171E-04	0.0000E+00
914	ALL	480377.38	3740277.30	9.08510E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.0352E-04	0.0000E+00
915	ALL	480407.10	3740283.96	8.73630E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.8419E-04	0.0000E+00
916	ALL	480443.13	3740284.31	8.33470E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.6194E-04	0.0000E+00
917	ALL	480479.16	3740284.66	7.52270E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.1693E-04	0.0000E+00
918	ALL	480370.82	3740308.61	7.43300E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.1196E-04	0.0000E+00
919	ALL	480406.85	3740308.96	7.43440E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.1204E-04	0.0000E+00
920	ALL	480442.89	3740309.31	7.10210E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.9362E-04	0.0000E+00
921	ALL	480478.92	3740309.66	6.48150E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.5922E-04	0.0000E+00
922	ALL	480365.81	3740345.13	6.06950E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.3639E-04	0.0000E+00
923	ALL	480401.84	3740345.48	6.04950E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.3528E-04	0.0000E+00
924	ALL	480437.87	3740345.83	5.81920E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.2252E-04	0.0000E+00
925	ALL	480473.90	3740346.18	5.40000E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.9928E-04	0.0000E+00
926	ALL	480369.71	3740422.89	4.25410E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.3577E-04	0.0000E+00
927	ALL	480405.74	3740423.24	4.18190E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.3177E-04	0.0000E+00
928	ALL	480441.78	3740423.59	4.02000E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2280E-04	0.0000E+00
929	ALL	480477.81	3740423.94	3.77780E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0938E-04	0.0000E+00
930	ALL	480369.16	3740480.03	3.42600E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8988E-04	0.0000E+00
931	ALL	480405.19	3740480.38	3.35380E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8588E-04	0.0000E+00
932	ALL	480441.22	3740480.73	3.23160E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7910E-04	0.0000E+00
933	ALL	480477.25	3740481.08	3.06170E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6969E-04	0.0000E+00
934	ALL	480404.63	3740537.52	2.76990E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5352E-04	0.0000E+00
935	ALL	480440.67	3740537.87	2.67450E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4823E-04	0.0000E+00
936	ALL	480476.70	3740538.22	2.54950E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4130E-04	0.0000E+00
937	ALL	480404.08	3740594.66	2.33920E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2964E-04	0.0000E+00
938	ALL	480440.11	3740595.01	2.26390E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2547E-04	0.0000E+00
939	ALL	480476.14	3740595.36	2.16890E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2021E-04	0.0000E+00
940	ALL	480306.86	3740644.88	2.30680E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2785E-04	0.0000E+00
941	ALL	480403.52	3740651.80	2.00520E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1113E-04	0.0000E+00
942	ALL	480439.56	3740652.15	1.95120E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0814E-04	0.0000E+00
943	ALL	480475.59	3740652.50	1.87730E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0404E-04	0.0000E+00
944	ALL	480402.97	3740708.94	1.74800E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.6880E-05	0.0000E+00
945	ALL	480439.00	3740709.29	1.70290E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.4381E-05	0.0000E+00
946	ALL	480475.03	3740709.64	1.64820E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.1348E-05	0.0000E+00
947	ALL	480504.90	3740059.92	4.04470E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2417E-03	0.0000E+00
948	ALL	480504.90	3740042.75	4.45390E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4685E-03	0.0000E+00
949	ALL	480506.14	3740004.67	4.88020E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.7048E-03	0.0000E+00
950	ALL	480506.14	3739970.83	5.14660E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.8524E-03	0.0000E+00
951	ALL	480506.39	3739931.51	5.21050E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.8878E-03	0.0000E+00
952	ALL	480505.88	3739897.01	5.17550E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.8684E-03	0.0000E+00
953	ALL	480507.15	3739859.14	4.64570E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.5748E-03	0.0000E+00
954	ALL	480512.44	3739792.93	3.10950E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7234E-03	0.0000E+00
955	ALL	480506.51	3739817.68	4.02740E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2321E-03	0.0000E+00
956	ALL	480379.54	3739806.81	8.10300E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.4909E-03	0.0000E+00
957	ALL	480416.32	3739807.22	8.12570E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.5035E-03	0.0000E+00
958	ALL	480454.68	3739802.24	6.58690E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.6507E-03	0.0000E+00
959	ALL	480474.59	3739799.90	5.46790E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0305E-03	0.0000E+00
960	ALL	480558.83	3740043.14	1.34200E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.4377E-04	0.0000E+00

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Cancer Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Chronic Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Acute Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI NonCancerChronic	MAXHI Acute
961	ALL	480557.95	3740061.88	1.26790E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.0271E-04	0.0000E+00
962	ALL	480592.80	3740080.04	7.55320E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.1862E-04	0.0000E+00
963	ALL	480604.22	3740044.31	7.03670E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.9000E-04	0.0000E+00
964	ALL	480591.34	3739996.58	9.36070E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.1880E-04	0.0000E+00
965	ALL	480256.37	3740054.06	2.46490E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3661E-03	0.0000E+00
966	ALL	480256.86	3740030.41	3.00520E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6656E-03	0.0000E+00
967	ALL	480258.11	3740021.70	3.29400E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.8256E-03	0.0000E+00
968	ALL	480256.61	3739993.82	3.76040E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0841E-03	0.0000E+00
969	ALL	480257.11	3739982.37	3.98810E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.2103E-03	0.0000E+00
970	ALL	480257.11	3739958.72	4.23800E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.3488E-03	0.0000E+00
971	ALL	480256.12	3739946.02	4.20140E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.3285E-03	0.0000E+00
972	ALL	480258.36	3739919.88	4.45410E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4686E-03	0.0000E+00
973	ALL	480258.11	3739909.17	4.38140E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.4283E-03	0.0000E+00
974	ALL	480255.62	3739885.03	3.92160E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1735E-03	0.0000E+00
975	ALL	480256.86	3739872.83	3.88440E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1529E-03	0.0000E+00
976	ALL	480257.61	3739847.19	3.46420E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9200E-03	0.0000E+00
977	ALL	480256.37	3739835.98	3.10650E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7217E-03	0.0000E+00
978	ALL	480253.38	3739811.59	2.37900E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3185E-03	0.0000E+00
979	ALL	480254.37	3739798.14	2.12450E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1775E-03	0.0000E+00
980	ALL	480254.12	3739783.95	1.84310E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0215E-03	0.0000E+00
981	ALL	480256.12	3739776.24	1.75090E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.7040E-04	0.0000E+00
982	ALL	480231.97	3739836.98	1.98540E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1004E-03	0.0000E+00
983	ALL	480231.97	3739874.07	2.30330E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2766E-03	0.0000E+00
984	ALL	480231.72	3739883.28	2.35170E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3034E-03	0.0000E+00
985	ALL	480232.96	3739920.63	2.54770E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4120E-03	0.0000E+00
986	ALL	480233.21	3739946.77	2.55240E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4146E-03	0.0000E+00
987	ALL	480231.72	3739958.47	2.44980E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3578E-03	0.0000E+00
988	ALL	480232.93	3740056.21	1.73930E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.6397E-04	0.0000E+00
989	ALL	480233.18	3740031.06	1.98090E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0979E-03	0.0000E+00
990	ALL	480232.93	3740019.11	2.08460E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1553E-03	0.0000E+00
991	ALL	480231.68	3739996.46	2.23120E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2366E-03	0.0000E+00
992	ALL	480232.93	3739981.52	2.38970E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3244E-03	0.0000E+00
993	ALL	480249.09	3740092.06	1.71340E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.4959E-04	0.0000E+00
994	ALL	480225.18	3740093.33	1.32740E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.3571E-04	0.0000E+00
995	ALL	480199.78	3740093.97	1.02410E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.6756E-04	0.0000E+00
996	ALL	480173.33	3740092.70	8.05460E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.4641E-04	0.0000E+00
997	ALL	480123.18	3740094.60	5.40790E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.9972E-04	0.0000E+00
998	ALL	480151.75	3740092.91	6.72520E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.7273E-04	0.0000E+00
999	ALL	480259.31	3740162.94	1.21790E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.7500E-04	0.0000E+00
1000	ALL	480257.26	3740186.08	1.05290E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.8353E-04	0.0000E+00
1001	ALL	480256.09	3740150.93	1.27970E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.0927E-04	0.0000E+00
1002	ALL	480230.60	3740195.75	8.42290E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.6682E-04	0.0000E+00
1003	ALL	480426.30	3740164.93	2.82030E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.5631E-03	0.0000E+00
1004	ALL	480359.98	3740197.85	1.61860E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.9707E-04	0.0000E+00
1005	ALL	480543.66	3740165.88	1.03870E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.7567E-04	0.0000E+00
1006	ALL	480661.34	3739738.33	6.12170E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.3929E-04	0.0000E+00
1007	ALL	480599.33	3739739.13	1.02120E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.6599E-04	0.0000E+00
1008	ALL	480578.40	3739739.94	1.22250E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.7757E-04	0.0000E+00
1009	ALL	480558.00	3739737.79	1.43950E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.9782E-04	0.0000E+00
1010	ALL	480491.44	3739743.16	2.39990E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3301E-03	0.0000E+00
1011	ALL	480559.07	3739837.37	1.78790E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.9090E-04	0.0000E+00
1012	ALL	480561.22	3739875.21	1.74410E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.6664E-04	0.0000E+00
1013	ALL	480559.88	3739892.93	1.77430E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.8338E-04	0.0000E+00
1014	ALL	480593.43	3739943.65	1.01950E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.6503E-04	0.0000E+00
1015	ALL	480326.05	3740209.13	1.29310E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.1666E-04	0.0000E+00
1016	ALL	480251.22	3739736.91	1.17520E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.5133E-04	0.0000E+00
1017	ALL	480469.54	3739604.38	8.46740E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.6929E-04	0.0000E+00
1018	ALL	480469.54	3739582.26	7.36620E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.0826E-04	0.0000E+00
1019	ALL	480412.65	3739606.97	8.07920E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.4777E-04	0.0000E+00
1020	ALL	480416.28	3739588.82	7.17830E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.9784E-04	0.0000E+00
1021	ALL	480386.03	3739606.37	7.58050E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.2013E-04	0.0000E+00
1022	ALL	480387.24	3739587.00	6.65910E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.6907E-04	0.0000E+00
1023	ALL	480309.79	3739588.22	5.50920E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0534E-04	0.0000E+00
1024	ALL	480329.76	3739590.03	5.81260E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.2215E-04	0.0000E+00
1025	ALL	480178.04	3740220.65	5.53930E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	3.0700E-04	0.0000E+00

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Cancer Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Chronic Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

*HARP - HRACalc v22118 4/24/2024 2:38:48 PM - Acute Risk - Input File: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con (T4)HRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI NonCancerChronic	MAXHI Acute
1026	ALL	480097.59	3740180.46	3.87240E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1462E-04	0.0000E+00
1027	ALL	480096.98	3740191.95	3.76500E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0867E-04	0.0000E+00
1028	ALL	480185.79	3739984.03	1.14900E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.3683E-04	0.0000E+00
1029	ALL	480187.28	3739957.28	1.21690E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.7444E-04	0.0000E+00
1030	ALL	480184.67	3739946.13	1.19240E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.6087E-04	0.0000E+00
1031	ALL	480185.79	3739923.09	1.22360E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.7814E-04	0.0000E+00
1032	ALL	480185.42	3739908.96	1.21200E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.7171E-04	0.0000E+00
1033	ALL	480182.82	3739885.92	1.14820E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.3638E-04	0.0000E+00
1034	ALL	480189.88	3739781.50	9.25140E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.1274E-04	0.0000E+00
1035	ALL	480185.42	3739872.92	1.16500E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.4568E-04	0.0000E+00
1036	ALL	480185.42	3739846.53	1.10440E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.1207E-04	0.0000E+00
1037	ALL	480249.71	3739708.66	9.32790E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.1698E-04	0.0000E+00
1038	ALL	480036.59	3740157.12	2.97200E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.6472E-04	0.0000E+00
1039	ALL	480013.73	3740153.77	2.70260E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4979E-04	0.0000E+00
1040	ALL	479970.26	3740154.33	2.24600E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2448E-04	0.0000E+00
1041	ALL	479922.32	3740152.66	1.90200E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.0542E-04	0.0000E+00
1042	ALL	479900.03	3740152.66	1.76940E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	9.8068E-05	0.0000E+00
1043	ALL	479806.07	3740154.45	1.34240E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.4398E-05	0.0000E+00
1044	ALL	479786.58	3740152.70	1.29170E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.1593E-05	0.0000E+00
1045	ALL	479737.40	3740154.74	1.11890E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.2014E-05	0.0000E+00
1046	ALL	479714.71	3740153.00	1.03850E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.7556E-05	0.0000E+00
1047	ALL	480063.47	3740092.41	3.67110E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.0346E-04	0.0000E+00
1048	ALL	480053.20	3740095.15	3.47860E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.9279E-04	0.0000E+00
1049	ALL	480040.19	3740095.15	3.24410E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.7980E-04	0.0000E+00
1050	ALL	479705.51	3740096.48	1.01810E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.6425E-05	0.0000E+00
1051	ALL	479716.78	3740096.88	1.09000E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.0410E-05	0.0000E+00
1052	ALL	479728.87	3740096.07	1.14820E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.3636E-05	0.0000E+00
1053	ALL	479752.63	3740095.27	1.23540E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	6.8471E-05	0.0000E+00
1054	ALL	479766.32	3740094.46	1.27350E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.0580E-05	0.0000E+00
1055	ALL	479775.99	3740094.46	1.30460E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.2304E-05	0.0000E+00
1056	ALL	479789.28	3740095.67	1.35850E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.5294E-05	0.0000E+00
1057	ALL	479814.25	3740095.27	1.43870E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	7.9735E-05	0.0000E+00
1058	ALL	479827.94	3740096.48	1.49950E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	8.3109E-05	0.0000E+00
1059	ALL	479925.00	3740098.89	2.02580E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1228E-04	0.0000E+00
1060	ALL	479941.52	3740096.88	2.12400E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.1772E-04	0.0000E+00
1061	ALL	479953.20	3740096.07	2.20960E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2246E-04	0.0000E+00
1062	ALL	480003.54	3740094.06	2.70460E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4990E-04	0.0000E+00
1063	ALL	479989.85	3740094.87	2.55070E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.4137E-04	0.0000E+00
1064	ALL	479979.38	3740096.07	2.44990E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.3578E-04	0.0000E+00
1065	ALL	479966.49	3740096.48	2.32910E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	1.2909E-04	0.0000E+00
1066	ALL	480177.93	3740047.74	9.26070E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.1326E-04	0.0000E+00
1067	ALL	480181.15	3740023.98	1.00940E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.5941E-04	0.0000E+00
1068	ALL	480155.78	3740048.15	7.44620E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.1269E-04	0.0000E+00
1069	ALL	480154.57	3740023.18	7.65600E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	4.2432E-04	0.0000E+00
1070	ALL	480604.02	3739894.90	9.56700E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.3023E-04	0.0000E+00
1071	ALL	480603.54	3739841.36	1.02230E-06	2.4822YrCancerDerived_InhSoilDermMMilkCrops	5.6662E-04	0.0000E+00
1072	ALL	480658.11	3740079.18	3.95590E-07	2.4822YrCancerDerived_InhSoilDermMMilkCrops	2.1925E-04	0.0000E+00

HARP2 - HRACalc (dated 22118) 4/24/2024 2:38:48 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully

RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 2.4822

Exposure Duration Bin Distribution

3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0.4821999
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False

Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

INHALATION

Daily breathing rate: LongTerm24HR

****Worker Adjustment Factors****

Worker adjustment factors enabled: NO

****Fraction at time at home****

3rd Trimester to 16 years: OFF

16 years to 70 years: OFF

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02

Soil mixing depth (m): 0.01

Dermal climate: Mixed

HEMGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden

Fraction leafy: 0.137

Fraction exposed: 0.137

Fraction protected: 0.137

Fraction root: 0.137

TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con
(T4)CancerRisk.csv
Cancer risk total by receptor saved to: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con
(T4)CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con
(T4)NCChronicRisk.csv
Chronic risk total by receptor saved to: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con
(T4)NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con
(T4)NCAcuteRisk.csv
Acute risk total by receptor saved to: F:\Jobs\59470001\HARP\02 - Mit Con\hra\Mit Con
(T4)NCAcuteRiskSumByRec.csv
HRA ran successfully

Appendix C: Energy Consumption Calculations

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Construction Energy Consumptions Calculations	C-1
Operational Energy Consumptions Calculations	C-6

Perris Acacia Pointe Residential

Summary of Fossil Fuel Energy Use During Construction

Construction equipment fuel	85,482	gallons (diesel)
Construction vehicle fuel	64,696	gallons (gasoline, diesel)
Total construction fuel	150,178	gallons (gasoline, diesel)

Summary of Energy Use During Construction - Electricity

Year	kWh per Year
2025	0
2026	0
2027	0

Data	Value
Project Name	Perris Acacia Pointe Residential
Construction Start Date	11/4/2024
Operational Year	2026
Lead Agency	
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.5
Precipitation (days)	0.2
Location	1618 Balboa Ct, Perris, CA 92571, USA
County	Riverside-South Coast
City	Perris
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5503
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.22

Perris Acacia Pointe Residential

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor	PhaseDays	FuelConsumption
Site Prep Grading	Rubber Tired Dozers	Diesel	Average	1	8	367	0.4	59	3741.6
Site Prep Grading	Tractors/Loaders/Backhoes	Diesel	Average	2	8	84	0.37	59	1584.3
Site Prep Grading	Graders	Diesel	Average	1	8	148	0.41	59	1546.6
Site Prep Grading	Excavators	Diesel	Average	2	8	36	0.38	59	697.4
Site Prep Grading	Scrapers	Diesel	Average	2	8	423	0.48	59	10350.2
Home Building	Forklifts	Diesel	Average	3	8	82	0.2	480	10202.1
Home Building	Generator Sets	Diesel	Average	1	8	14	0.74	480	2148.2
Home Building	Cranes	Diesel	Average	1	7	367	0.29	480	19310.7
Home Building	Welders	Diesel	Average	1	8	46	0.45	480	4292.4
Home Building	Tractors/Loaders/Backhoes	Diesel	Average	3	7	84	0.37	480	16917.5
Site Construction	Pavers	Diesel	Average	2	8	81	0.42	110	3233.3
Site Construction	Paving Equipment	Diesel	Average	2	8	89	0.36	110	3045.1
Site Construction	Rollers	Diesel	Average	2	8	36	0.38	110	1300.1
Architectural Coating	Air Compressors	Diesel	Average	5	6	37	0.48	195	5610.4
Trenching	Trenchers	Diesel	Average	2	7	40	0.5	59	892.1
Trenching	Excavators	Diesel	Average	2	7	36	0.38	59	610.2
									85,482

ARB 2021, Low Emission Diesel (LED) Study: Biodiesel and Renewable Diesel Emissions in Legacy and New Technology Diesel Engines, November 2021
Average Value for CARB Reference Fuel - Nonroad Transient Cycle - BSFC = 0.054 gal/bhp-hr

**Off-Road Construction Equipment
Fuel Consumption**

Perris Acacia Pointe Residential

Energy Calculations - Construction Vehicle Fuel

Source: AQ/GHG Appendix, CalEEMod Output, EMFAC2021 v1.0.2

Vehicle Type	Total VMT (mi)	mi/gal	gal	Vehicle Cat
Worker	1,041,240	25.78	40,392	LDA,LDT1,LDT2
Vendor	96,726	7.28	13,296	HHDT,MHDT
Hauling	67,200	6.10	11,008	HHDT
Onsite truck	590	6.10	0	HHDT
	1,205,756		64,696	gallons
	Combined VMT			

Note: Fuel Economy Factors are from EMFAC2021 for:

Riverside-South Coast

Sum of mpg Region	Calendar Year	Vehicle Category												
		HHD	LDA	LDT1	LDT2	LHDT1	LHDT2	MCY	MDV	MH	MHDT	OBUS	SBUS	UBUS
Riverside-South Coast	2024	6.104897073	29.68779503	24.55109333	24.32240052	16.10941331	15.47209401	41.75319552	19.55949682	5.794212606	8.445152868	6.361912733	6.395049258	4.488137174
Riverside-South Coast	2025	6.180916329	30.27825363	25.0315753	24.97042448	16.37912558	15.63622114	41.88895388	20.01566084	5.824838374	8.497913883	6.471000692	6.393858025	4.532672056
Riverside-South Coast	2026	6.26202619	30.91999751	25.55128962	25.62249227	16.63016818	15.7910997	42.07019873	20.50093246	5.85634608	8.553920206	6.580483892	6.392503104	4.550860158
Riverside-South Coast	2027	6.347960606	31.48575699	26.01602857	26.17468376	16.84849647	15.92771006	42.16673006	20.93464088	5.87813135	8.599314681	6.71256623	6.390349754	4.547823189
Riverside-South Coast	2028	6.441574328	32.06165121	26.50188921	26.70843687	17.05962747	16.06449833	42.2994798	21.37761368	5.902916609	8.651089433	6.825401988	6.386965713	5.03879308
Riverside-South Coast	2029	6.534735282	32.60712516	26.97691489	27.19608586	17.25287128	16.1933208	42.42659184	21.80200196	5.928088984	8.702233711	6.937093685	6.383810241	5.153552379
Riverside-South Coast	2030	6.626223197	33.11774285	27.43879982	27.64060223	17.42955451	16.31364349	42.5596864	22.20404601	5.951354119	8.754280343	7.045784571	6.380871031	5.401128435
Riverside-South Coast Total		6.357924963	31.40982608	25.9503898	26.09524013	16.78980338	15.89820531	42.16017254	20.87446184	5.870726186	8.599630139	6.689942441	6.389092409	4.739434397

**Perris Acacia Pointe Residential
Energy Calculations - Building Electricity Consumption**

Operational Year	2026	
County	Riverside-South Coast	
Building Energy Fuel	Electricity (kWh/yr)	Natural Gas (MMBTU/yr)
Land Use	Electricity (kWh/yr)	Natural Gas (kBTU/yr)
Condo/Townhouse	1,033,409	2,939,945
Parking Lot	138,897	-
Other Non-Asphalt Surfaces	0	-
Recreational Swimming Pool	0	-
Total Building Energy	1,172,306	2,939,945

Source: Air Quality/Greenhouse Gas Appendix, CalEEMod Output

Note: It should be noted, that while the CalEEMod runs included the default natural gas usage to provide a conservative estimate of emissions, the proposed project is planned to be all-electric and would not utilize natural gas.

**Perris Acacia Pointe Residential
Energy Calculations
Onroad Mobile Sources**

Operational Year	2026
County	Riverside-South Coast
Gasoline	99,585 gallons
Diesel	15,310 gallons
Natural Gas	915 gallons
Electricity	44,108 kw-hr
	114,895 gallons diesel and gasoline

Operation Fuel Calculation

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year	LU	AnnVMT
Condo/Townhouse	1015.2	1015.2	1015.2	370548	7830.826811	7830.826811	7830.826811	2858251.786	Condo/Townhouse	2858251.786
Parking Lot	0	0	0	0	0	0	0	0	0 Parking Lot	0
Other Non-Asphalt Surfaces	0	0	0	0	0	0	0	0	0 Other Non-Asphalt Surfaces	0
Recreational Swimming Pool	0	0	0	0	0	0	0	0	0 Recreational Swimming Pool	0
Other Asphalt Surfaces	0	0	0	0	0	0	0	0	0 Other Asphalt Surfaces	0
									Total Annual VMT	2,858,252

Source: Air Quality/Greenhouse Gas Appendix, CalEEMod Output

Perris Acacia Pointe Residential
Energy Calculations - Operations Fuel Use from Mobile Sources

Riverside-South Coast	Annual VMT	HHDT	LDA	LDT1	LDT2	LHDT1	LHDT2	MCY	MDV	MH	MHDT	OBUS	SBUS	UBUS
2026	2,858,252	1.61%	49.62%	3.80%	20.49%	3.14%	0.90%	2.31%	15.83%	0.60%	1.47%	0.06%	0.13%	0.04%

100%

Total Operational FUEL Consumption for ALL LAND USES (gallons for fuels, Kw-hr for electricity)

Fuel	All Vehicles	HHDT	LDA	LDT1	LDT2	LHD1	LHD2	MCY	MDV	MH	MHDT	OBUS	SBUS	UBUS
Gasoline	99,585	4	42645	4229	22446	3366	531	1571	21381	2400	622	185	135	71
Diesel	15,310	6913	81	2	55	1977	1080		270	528	4146	80	178	0
Natural Gas	915	366									56	11	310	172
Electricity	44,108	905	35490	168	3210	446	114		3098		637	10	29	2

Fuel Consumption by Vehicle Category

Fuel Consumption for CVMT	Units	HHDT	LDA	LDT1	LDT2	LHD1	LHD2	MCY	MDV	MH	MHDT	OBUS	SBUS	UBUS
Gasoline	gal	4	41988	4225	22352	3366	531	1571	21316	2400	622	185	135	71
Diesel	gal	6913	81	2	55	1977	1080		270	528	4146	80	178	0
Natural Gas	gal	366									56	11	310	172
Plug-in Hybrid (Gasoline)	gal		656	4	95				65					
Fuel Consumption for EVMT	Units	HHDT	LDA	LDT1	LDT2	LHD1	LHD2	MCY	MDV	MH	MHDT	OBUS	SBUS	UBUS
Electricity	kwhr	905	27433	111	2000	446	114		2268		637	10	29	2
Plug-in Hybrid (Electricity)	kwhr		8057	57	1210				830					

Fuel Consumption Factors	Units	HHDT	LDA	LDT1	LDT2	LHDT1	LHDT2	MCY	MDV	MH	MHDT	OBUS	SBUS	UBUS
Gasoline	mi/gal	3.9	30.9	25.5	25.6	14.3	12.6	42.1	20.4	4.9	5.3	5.2	8.8	5.7
Diesel	mi/gal	6.3	43.7	24.7	34.4	20.8	17.3		24.5	10.4	9.0	7.9	7.4	11.3
Natural Gas	mi/gal	6.2									8.8	10.1	4.2	4.1
Plug-in Hybrid	mi/gal		30.1	30.0	29.9				29.5					

Fuel Consumption Factors	Units	HHDT	LDA	LDT1	LDT2	LHDT1	LHDT2	MCY	MDV	MH	MHDT	OBUS	SBUS	UBUS
Electricity	kwhr/mi	1.81	0.37	0.36	0.35	0.56	0.56		0.36		1.05	1.06	1.16	2.02
Plug-in Hybrid	kwhr/mi	1.81	0.37	0.36	0.35	0.56	0.56		0.36		1.05	1.06	1.16	2.02

Total VMT Fraction by Fuel and Vehicle Category

Fuel	HHDT	LDA	LDT1	LDT2	LHDT1	LHDT2	MCY	MDV	MH	MHDT	OBUS	SBUS	UBUS
Gasoline	0.0%	91.5%	99.4%	97.6%	53.4%	26.2%	100.0%	96.2%	68.2%	7.9%	56.3%	30.9%	36.7%
Diesel	94.0%	0.2%	0.0%	0.3%	45.7%	73.0%		1.5%	31.8%	89.4%	36.9%	34.3%	0.1%
Natural Gas	4.9%									1.2%	6.3%	34.1%	63.2%
Electricity	1.1%	5.3%	0.3%	1.0%	0.9%	0.8%		1.4%		1.4%	0.5%	0.6%	0.1%
Plug-in Hybrid		2.9%	0.3%	1.1%				0.9%					
totals	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

CVMT by EMFAC Vehicle Type

Fuel	HHDT	LDA	LDT1	LDT2	LHDT1	LHDT2	MCY	MDV	MH	MHDT	OBUS	SBUS	UBUS
Plug-in Hybrid		47%	43%	45%				45%					

EVMT by EMFAC Vehicle Type

Fuel	HHDT	LDA	LDT1	LDT2	LHDT1	LHDT2	MCY	MDV	MH	MHDT	OBUS	SBUS	UBUS
Electricity	100%	100%	100%	100%	100%	100%		100%		100%	100%	100%	100%
Plug-in Hybrid		53%	57%	55%				55%					



Appendix C: **Energy Consumption Calculations**



Appendix C: Energy Consumption Calculations

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Construction Energy Consumptions Calculations	C-1
Operational Energy Consumptions Calculations	C-6

Perris Acacia Pointe Residential

Summary of Fossil Fuel Energy Use During Construction

Construction equipment fuel	85,482	gallons (diesel)
Construction vehicle fuel	64,696	gallons (gasoline, diesel)
Total construction fuel	150,178	gallons (gasoline, diesel)

Summary of Energy Use During Construction - Electricity

Year	kWh per Year
2025	0
2026	0
2027	0

Data	Value
Project Name	Perris Acacia Pointe Residential
Construction Start Date	11/4/2024
Operational Year	2026
Lead Agency	
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.5
Precipitation (days)	0.2
Location	1618 Balboa Ct, Perris, CA 92571, USA
County	Riverside-South Coast
City	Perris
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5503
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.22

Perris Acacia Pointe Residential

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor	PhaseDays	FuelConsumption
Site Prep Grading	Rubber Tired Dozers	Diesel	Average	1	8	367	0.4	59	3741.6
Site Prep Grading	Tractors/Loaders/Backhoes	Diesel	Average	2	8	84	0.37	59	1584.3
Site Prep Grading	Graders	Diesel	Average	1	8	148	0.41	59	1546.6
Site Prep Grading	Excavators	Diesel	Average	2	8	36	0.38	59	697.4
Site Prep Grading	Scrapers	Diesel	Average	2	8	423	0.48	59	10350.2
Home Building	Forklifts	Diesel	Average	3	8	82	0.2	480	10202.1
Home Building	Generator Sets	Diesel	Average	1	8	14	0.74	480	2148.2
Home Building	Cranes	Diesel	Average	1	7	367	0.29	480	19310.7
Home Building	Welders	Diesel	Average	1	8	46	0.45	480	4292.4
Home Building	Tractors/Loaders/Backhoes	Diesel	Average	3	7	84	0.37	480	16917.5
Site Construction	Pavers	Diesel	Average	2	8	81	0.42	110	3233.3
Site Construction	Paving Equipment	Diesel	Average	2	8	89	0.36	110	3045.1
Site Construction	Rollers	Diesel	Average	2	8	36	0.38	110	1300.1
Architectural Coating	Air Compressors	Diesel	Average	5	6	37	0.48	195	5610.4
Trenching	Trenchers	Diesel	Average	2	7	40	0.5	59	892.1
Trenching	Excavators	Diesel	Average	2	7	36	0.38	59	610.2
									85,482

ARB 2021, Low Emission Diesel (LED) Study: Biodiesel and Renewable Diesel Emissions in Legacy and New Technology Diesel Engines, November 2021
Average Value for CARB Reference Fuel - Nonroad Transient Cycle - BSFC = 0.054 gal/bhp-hr

**Off-Road Construction Equipment
Fuel Consumption**

Perris Acacia Pointe Residential

Energy Calculations - Construction Vehicle Fuel

Source: AQ/GHG Appendix, CalEEMod Output, EMFAC2021 v1.0.2

Vehicle Type	Total VMT (mi)	mi/gal	gal	Vehicle Cat
Worker	1,041,240	25.78	40,392	LDA,LDT1,LDT2
Vendor	96,726	7.28	13,296	HHDT,MHDT
Hauling	67,200	6.10	11,008	HHDT
Onsite truck	590	6.10	0	HHDT
	1,205,756		64,696	gallons
	Combined VMT			

Note: Fuel Economy Factors are from EMFAC2021 for:

Riverside-South Coast

Sum of mpg Region	Calendar Year	Vehicle Category												
		HHD	LDA	LDT1	LDT2	LHDT1	LHDT2	MCY	MDV	MH	MHDT	OBUS	SBUS	UBUS
Riverside-South Coast	2024	6.104897073	29.68779503	24.55109333	24.32240052	16.10941331	15.47209401	41.75319552	19.55949682	5.794212606	8.445152868	6.361912733	6.395049258	4.488137174
Riverside-South Coast	2025	6.180916329	30.27825363	25.0315753	24.97042448	16.37912558	15.63622114	41.88895388	20.01566084	5.824838374	8.497913883	6.471000692	6.393858025	4.532672056
Riverside-South Coast	2026	6.26202619	30.91999751	25.55128962	25.62249227	16.63016818	15.7910997	42.07019873	20.50093246	5.85634608	8.553920206	6.580483892	6.392503104	4.550860158
Riverside-South Coast	2027	6.347960606	31.48575699	26.01602857	26.17468376	16.84849647	15.92771006	42.16673006	20.93464088	5.87813135	8.599314681	6.71256623	6.390349754	4.547823189
Riverside-South Coast	2028	6.441574328	32.06165121	26.50188921	26.70843687	17.05962747	16.06449833	42.2994798	21.37761368	5.902916609	8.651089433	6.825401988	6.386965713	5.03879308
Riverside-South Coast	2029	6.534735282	32.60712516	26.97691489	27.19608586	17.25287128	16.1933208	42.42659184	21.80200196	5.928088984	8.702233711	6.937093685	6.383810241	5.153552379
Riverside-South Coast	2030	6.626223197	33.11774285	27.43879982	27.64060223	17.42955451	16.31364349	42.5596864	22.20404601	5.951354119	8.754280343	7.045784571	6.380871031	5.401128435
Riverside-South Coast Total		6.357924963	31.40982608	25.9503898	26.09524013	16.78980338	15.89820531	42.16017254	20.87446184	5.870726186	8.599630139	6.689942441	6.389092409	4.739434397

**Perris Acacia Pointe Residential
Energy Calculations - Building Electricity Consumption**

Operational Year	2026	
County	Riverside-South Coast	
Building Energy Fuel	Electricity (kWh/yr)	Natural Gas (MMBTU/yr)
Land Use	Electricity (kWh/yr)	Natural Gas (kBTU/yr)
Condo/Townhouse	1,033,409	2,939,945
Parking Lot	138,897	-
Other Non-Asphalt Surfaces	0	-
Recreational Swimming Pool	0	-
Total Building Energy	1,172,306	2,939,945

Source: Air Quality/Greenhouse Gas Appendix, CalEEMod Output

Note: It should be noted, that while the CalEEMod runs included the default natural gas usage to provide a conservative estimate of emissions, the proposed project is planned to be all-electric and would not utilize natural gas.

**Perris Acacia Pointe Residential
Energy Calculations
Onroad Mobile Sources**

Operational Year	2026
County	Riverside-South Coast
Gasoline	99,585 gallons
Diesel	15,310 gallons
Natural Gas	915 gallons
Electricity	44,108 kw-hr
	114,895 gallons diesel and gasoline

Operation Fuel Calculation

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year	LU	AnnVMT
Condo/Townhouse	1015.2	1015.2	1015.2	370548	7830.826811	7830.826811	7830.826811	2858251.786	Condo/Townhouse	2858251.786
Parking Lot	0	0	0	0	0	0	0	0	0 Parking Lot	0
Other Non-Asphalt Surfaces	0	0	0	0	0	0	0	0	0 Other Non-Asphalt Surfaces	0
Recreational Swimming Pool	0	0	0	0	0	0	0	0	0 Recreational Swimming Pool	0
Other Asphalt Surfaces	0	0	0	0	0	0	0	0	0 Other Asphalt Surfaces	0
									Total Annual VMT	2,858,252

Source: Air Quality/Greenhouse Gas Appendix, CalEEMod Output

Perris Acacia Pointe Residential
Energy Calculations - Operations Fuel Use from Mobile Sources

Riverside-South Coast	Annual VMT	HHDT	LDA	LDT1	LDT2	LHDT1	LHDT2	MCY	MDV	MH	MHDT	OBUS	SBUS	UBUS
2026	2,858,252	1.61%	49.62%	3.80%	20.49%	3.14%	0.90%	2.31%	15.83%	0.60%	1.47%	0.06%	0.13%	0.04%

100%

Total Operational FUEL Consumption for ALL LAND USES (gallons for fuels, Kw-hr for electricity)

Fuel	All Vehicles	HHDT	LDA	LDT1	LDT2	LHD1	LHD2	MCY	MDV	MH	MHDT	OBUS	SBUS	UBUS
Gasoline	99,585	4	42645	4229	22446	3366	531	1571	21381	2400	622	185	135	71
Diesel	15,310	6913	81	2	55	1977	1080		270	528	4146	80	178	0
Natural Gas	915	366									56	11	310	172
Electricity	44,108	905	35490	168	3210	446	114		3098		637	10	29	2

Fuel Consumption by Vehicle Category

Fuel Consumption for CVMT	Units	HHDT	LDA	LDT1	LDT2	LHD1	LHD2	MCY	MDV	MH	MHDT	OBUS	SBUS	UBUS
Gasoline	gal	4	41988	4225	22352	3366	531	1571	21316	2400	622	185	135	71
Diesel	gal	6913	81	2	55	1977	1080		270	528	4146	80	178	0
Natural Gas	gal	366									56	11	310	172
Plug-in Hybrid (Gasoline)	gal		656	4	95				65					
Fuel Consumption for EVMT	Units	HHDT	LDA	LDT1	LDT2	LHD1	LHD2	MCY	MDV	MH	MHDT	OBUS	SBUS	UBUS
Electricity	kwhr	905	27433	111	2000	446	114		2268		637	10	29	2
Plug-in Hybrid (Electricity)	kwhr		8057	57	1210				830					

Fuel Consumption Factors	Units	HHDT	LDA	LDT1	LDT2	LHDT1	LHDT2	MCY	MDV	MH	MHDT	OBUS	SBUS	UBUS
Gasoline	mi/gal	3.9	30.9	25.5	25.6	14.3	12.6	42.1	20.4	4.9	5.3	5.2	8.8	5.7
Diesel	mi/gal	6.3	43.7	24.7	34.4	20.8	17.3		24.5	10.4	9.0	7.9	7.4	11.3
Natural Gas	mi/gal	6.2									8.8	10.1	4.2	4.1
Plug-in Hybrid	mi/gal		30.1	30.0	29.9				29.5					

Fuel Consumption Factors	Units	HHDT	LDA	LDT1	LDT2	LHDT1	LHDT2	MCY	MDV	MH	MHDT	OBUS	SBUS	UBUS
Electricity	kwhr/mi	1.81	0.37	0.36	0.35	0.56	0.56		0.36		1.05	1.06	1.16	2.02
Plug-in Hybrid	kwhr/mi	1.81	0.37	0.36	0.35	0.56	0.56		0.36		1.05	1.06	1.16	2.02

Total VMT Fraction by Fuel and Vehicle Category

Fuel	HHDT	LDA	LDT1	LDT2	LHDT1	LHDT2	MCY	MDV	MH	MHDT	OBUS	SBUS	UBUS
Gasoline	0.0%	91.5%	99.4%	97.6%	53.4%	26.2%	100.0%	96.2%	68.2%	7.9%	56.3%	30.9%	36.7%
Diesel	94.0%	0.2%	0.0%	0.3%	45.7%	73.0%		1.5%	31.8%	89.4%	36.9%	34.3%	0.1%
Natural Gas	4.9%									1.2%	6.3%	34.1%	63.2%
Electricity	1.1%	5.3%	0.3%	1.0%	0.9%	0.8%		1.4%		1.4%	0.5%	0.6%	0.1%
Plug-in Hybrid		2.9%	0.3%	1.1%				0.9%					
totals	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

CVMT by EMFAC Vehicle Type

Fuel	HHDT	LDA	LDT1	LDT2	LHDT1	LHDT2	MCY	MDV	MH	MHDT	OBUS	SBUS	UBUS
Plug-in Hybrid		47%	43%	45%				45%					

EVMT by EMFAC Vehicle Type

Fuel	HHDT	LDA	LDT1	LDT2	LHDT1	LHDT2	MCY	MDV	MH	MHDT	OBUS	SBUS	UBUS
Electricity	100%	100%	100%	100%	100%	100%		100%		100%	100%	100%	100%
Plug-in Hybrid		53%	57%	55%				55%					