Red Eye Kite, Inc.
Industrial Cannabis Cultivation Project

Initial Study – Mitigated Negative Declaration

prepared by

City of Lompoc
Planning Division, Community Development Department
100 Civic Center Plaza
Lompoc, California 93436
Contact: Brian Halvorson, Planning Manager

prepared with the assistance of

Rincon Consultants, Inc.
1530 Monterey Street, Suite D
San Luis Obispo, California 93401

November 2022

RINCON CONSULTANTS, INC.
Environmental Scientists | Planners | Engineers
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Initial Study

1. Project Title

Red Eye Kite, Inc., Commercial Cannabis Cultivation, Processing, and Distribution Project

2. Lead Agency Name and Address

City of Lompoc
Community Development Department

Planning Division
100 Civic Center Plaza
Lompoc, California 93436

3. Contact Person and Phone Number

Brian Halvorson, Planning Manager
Email: b_halvorson@ci.lompoc.ca.us
(805) 875-8228

Greg Stones, Principal Planner
Email: g_stones@ci.lompoc.ca.us
(805) 875-8273

4. Project Location

The project site is located at 1501 East Laurel Avenue at the northeast corner of East Laurel Avenue and North Seventh Street in the City of Lompoc, California. The project site is approximately 0.72 acres and is identified with Assessor Parcel Number (APN) 099-500-004. Figure 1 shows the regional location of the project and Figure 2 shows an aerial view of the project site and the surrounding neighborhood setting.

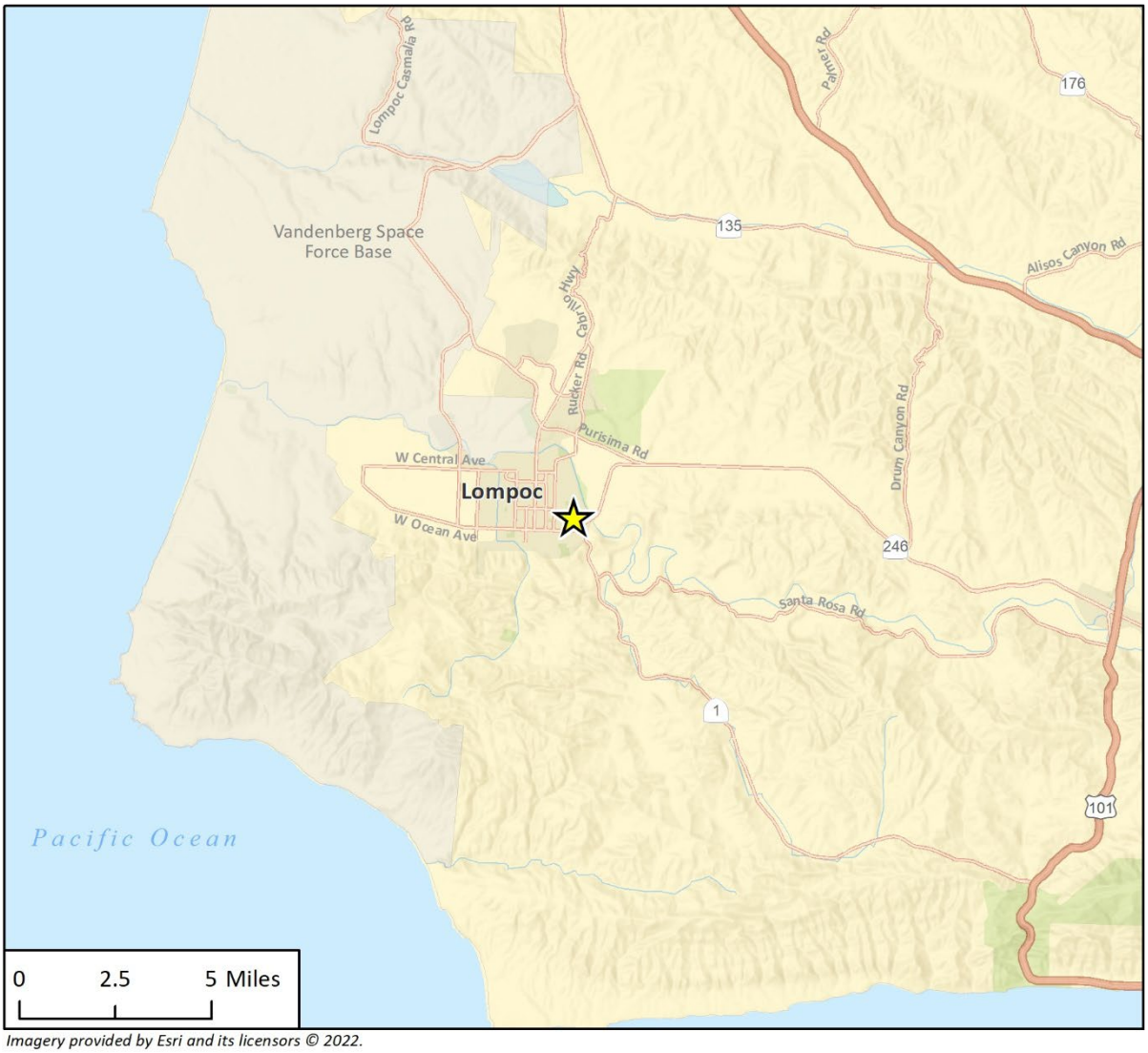
5. Project Sponsor's Name and Address

Satenik Sarah Ambartsumyan
Red Eye Kite, Inc.
17117 Ceredo Place
Granada Hills, CA 91344

6. General Plan Designation

Industrial

Figure 1 Regional Project Location



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Project Location

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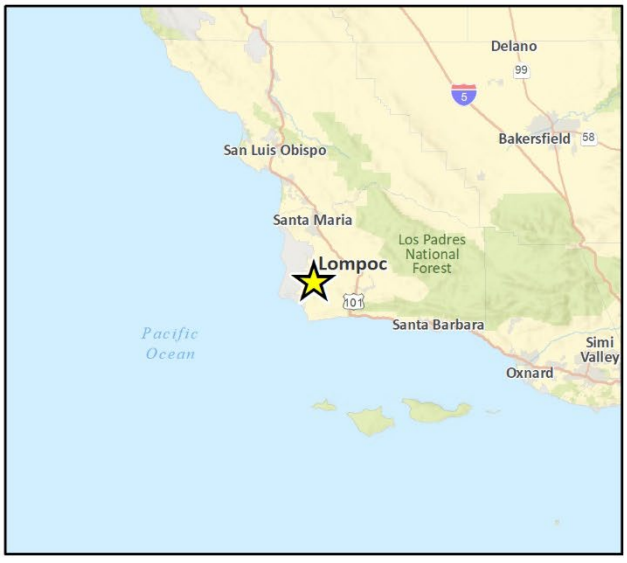

Figure 2 Project Location

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7. Zoning

Industrial

8. Description of Project

Red Eye Kite, Inc. ("Red Eye Kite" or "Applicant") proposes to establish an indoor industrial cannabis cultivation, processing, and distribution facility on a developed 0.72-acre site. The site is currently developed with a one-story industrial building. The proposed use would be located within a portion of, the existing vacant one-story, 8,000 square-foot building, with a maximum height of approximately 19 feet. The building consists of two warehouses. Warehouse Unit A is approximately 4,000 square feet and occupies the western half of the building and would be upgraded to house the proposed cannabis facility. Warehouse Unit B is approximately 4,000 square feet and occupies the eastern half of the building and would remain vacant.

No changes are proposed to Warehouse B as a part of this project and a 160 square-foot addition is proposed along the northern portion of Warehouse Unit A in an area already paved.

The project would involve minor tenant improvements, including removal of an existing exterior block wall, installation of a new transformer pad, new concrete sidewalk and ramp along the western and northern exterior of the building, changes to the interior layout, 160 square-foot addition to the northeast part of the existing warehouse, and installation of a new HVAC system.

Hours of operation for the cannabis facility would be from 9:00 AM to 9:00 PM Monday through Saturday. The project is anticipated to require up to 12 employees within the first year of operation and up to 18 employees by the third year.

shows the proposed site plan and Figure 4 shows the exterior elevations.

The structure would contain areas for cultivation and processing, an office for employees, shipping and receiving room, security and safe room, lobby area, and restrooms. The facility would only sell cannabis products to State licensed facilities on a wholesale basis and there would be no retail sales on-site. As such, the proposed industrial cannabis cultivation facility would not be open to the public and visitors would be permitted only when escorted and for a specific business purpose. Table 1 below provides a summary of the project components.

Table 1 Project Summary

Building Area and Use	
Warehouse Unit A Existing	4,000 square feet
Warehouse Addition	160 square feet
Total Project Interior Area	**4,160 square feet**
Other Project Components	
Vehicle Parking Spaces	16 spaces
Floor Area Ratio	26 percent
Security Room	72 square feet

Cultivation Areas

Nurseries are defined by the State of California as "cultivation sites that produce only clones, immature plants, seeds, and other agricultural products used specifically for the planting, propagation, and cultivation of cannabis." The proposed cultivation facility would have a clone room area, named "Cloner Room" in the floor plan (see Figure 5). The cloner room would produce immature plants and would consist of vegetative propagation using "mothers" and "clones" within the dedicated 138 square-foot space. A mother is a plant that is grown specifically for cloning purposes. The mother plants are kept in a constant vegetative state and never transitioned into the flowering stage. Stem cuttings from mother plants would be used to start the cloning process.

Vegetative mother plants and immature cloned plants, once old enough, would be grown within the 700 square-foot veggie room before being moved into one of the flower rooms. The cultivation facility would have two 700 square-foot flower rooms in which the cannabis would grow until harvesting.

Processing, Testing, Storage, & Distribution

The proposed facility would also include areas for processing, storage, and distribution. Processing includes drying, destemming/trimming, sorting, and packaging, and would occur within the 208 square-foot drying/trimming room, as shown in Figure 5.

All products would be tested by a dually licensed testing lab for certification. Testing for quality control would be conducted by a third-party, state-licensed cannabis testing lab. In-house testing for facility records and quality control would provide additional product safety and compliance, utilizing ACQUITY H-Class UPLC analytical system with a Photo-diode Array Detector for potency. In the event pesticides are used, the facility would utilize an LC/MS-MS system with an atmospheric pressure gas chromatograph (APGC) for testing.

Distribution is defined by the State of California as "the procurement, sale, and transport of cannabis and cannabis products between licensees." The facility would produce, sell, and transport cannabis products to distribution centers and/or retail outlets. Deliveries to and from the project site would be within a 160 square-foot secured and enclosed shipping and receiving room in the southwest corner of the structure. The applicant would be required to obtain cultivation, testing, and distribution licenses from the Department of Cannabis Control (DCC).

Access and Parking

Site access would be provided through an existing shared driveway off East Laurel Avenue in the southeast corner of the site, as shown in

A loading zone for deliveries and distribution would be located near the southwest corner of the building. The proposed nursery, manufacturing, and office uses would require a minimum of 8 parking spaces under Chapter 17.308, and the project would provide 8 spaces (7 regular spaces and 1 van accessible space). Shipping and receiving at the facility would be located on the southwestern portion of Warehouse Unit A through an existing door and designated shipping and receiving room.

Odor Controls

The proposed building would be equipped with an air ventilation/filter system in the cannabis production facilities that contains carbon filters for the abatement of odors. The project would install a mechanical system which would include negative and positive air pressure rooms and carbon filtration technology to prevent odors from leaving the building. Ceiling mounted exhaust fans which,

Figure 3 Site Plan

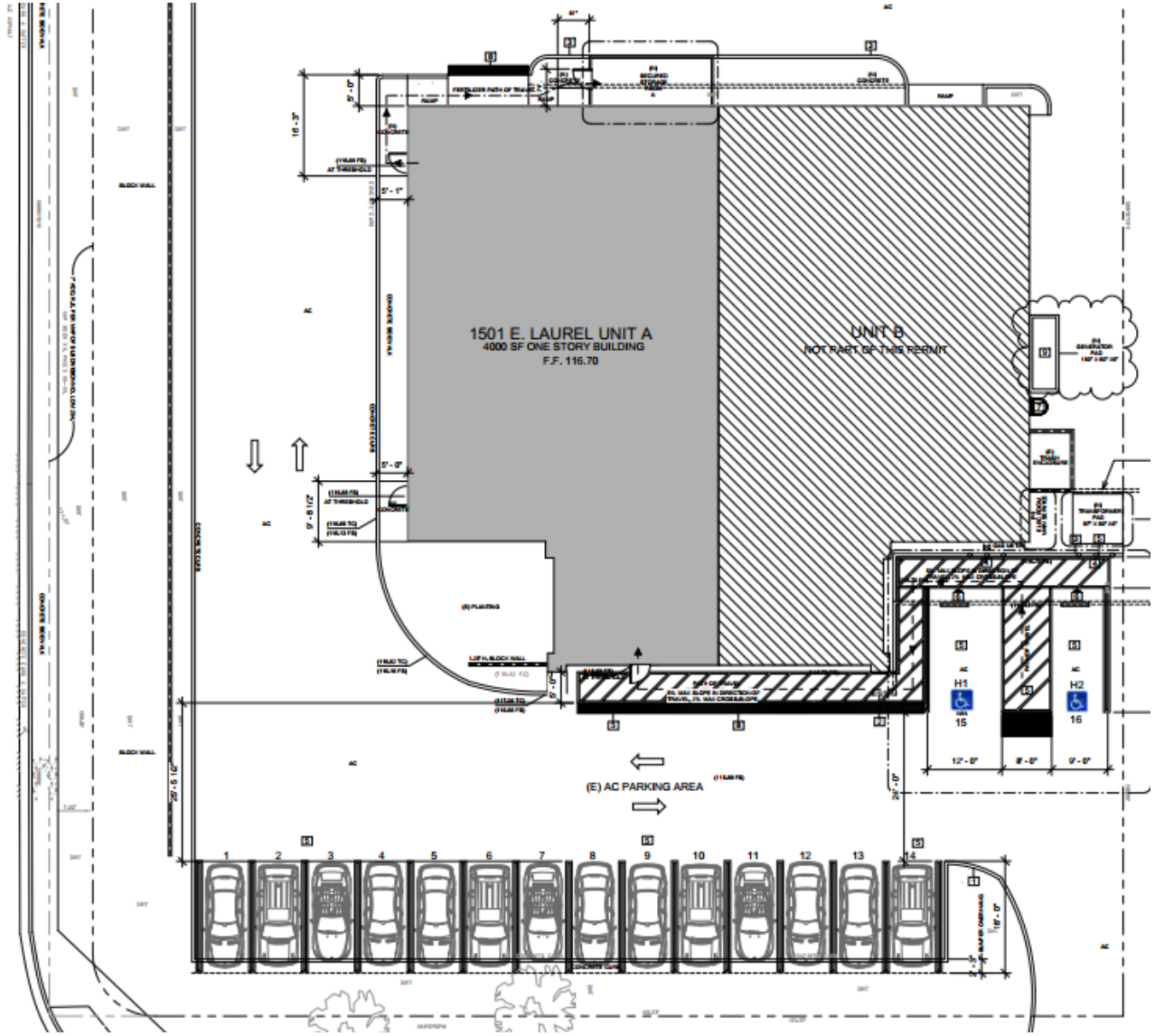
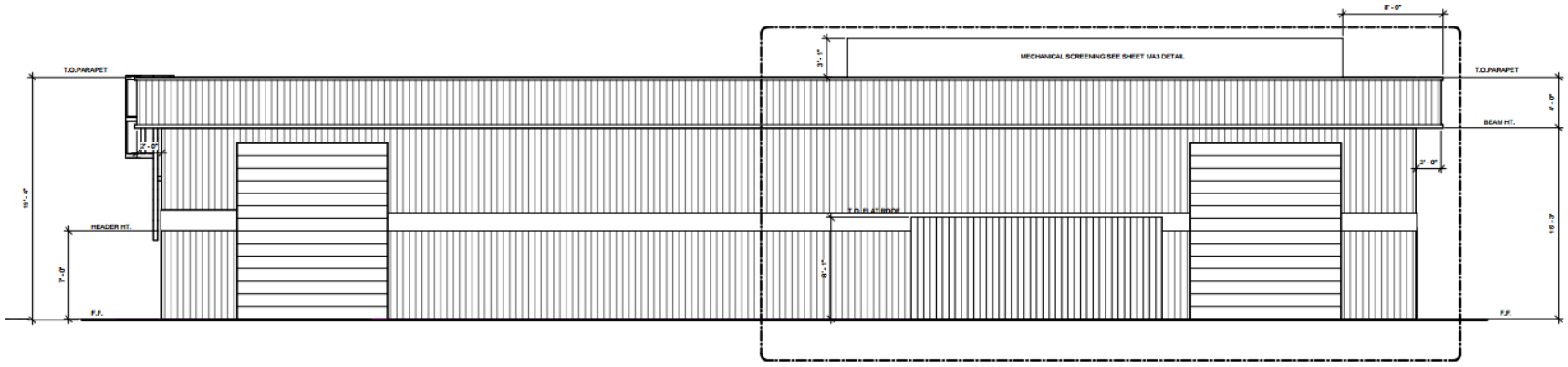
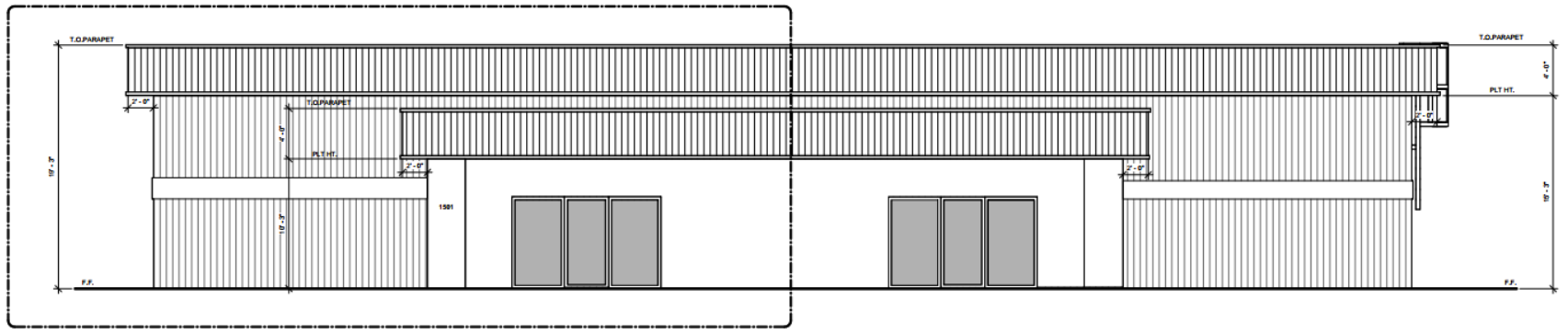


Figure 4 Exterior Elevations

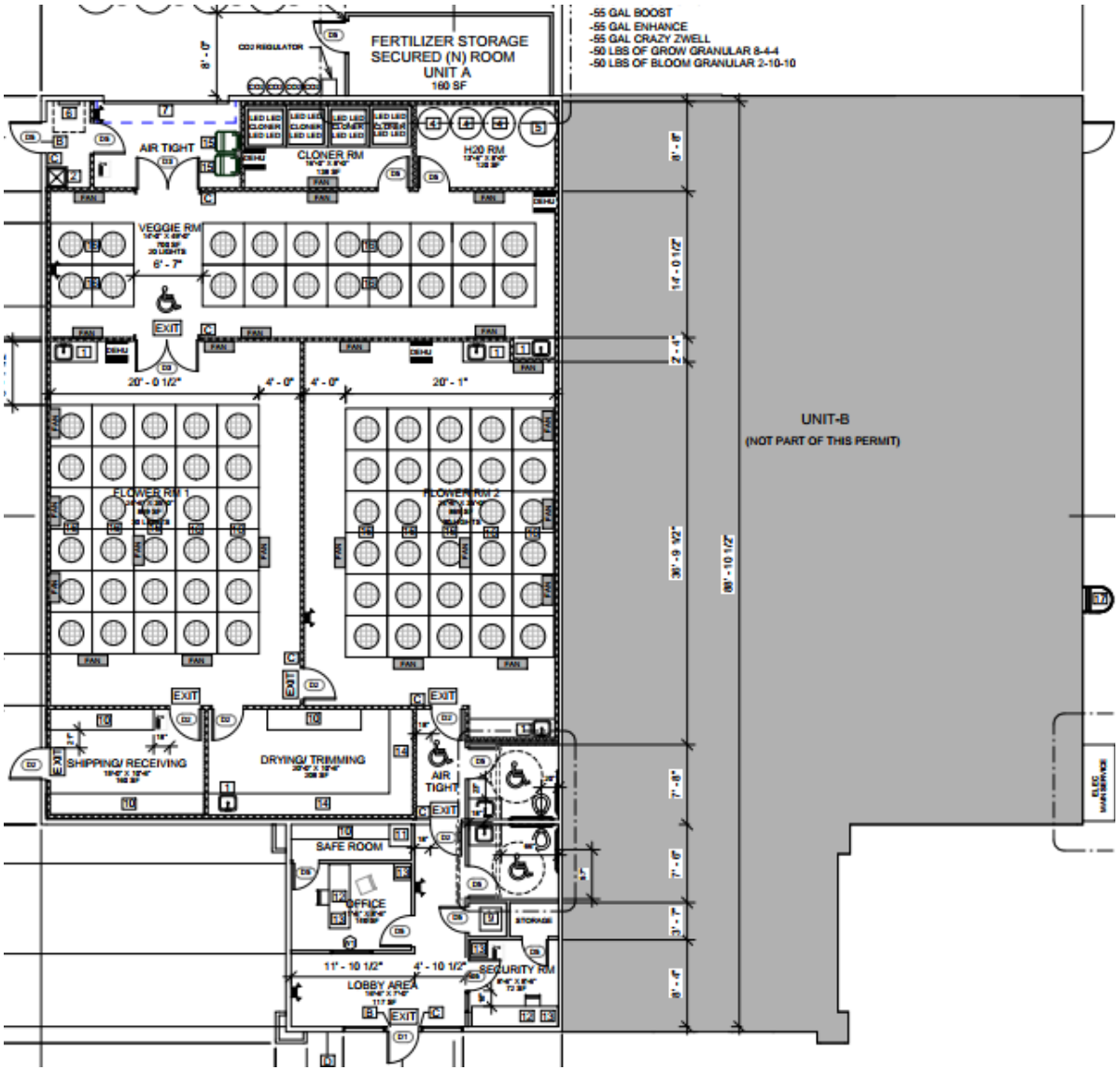


REARVIEW- SOUTH ELEVATION



STREETVIEW- NORTH ELEVATION

Figure 5 Proposed Floor Plan



coupled with the carbon filters, would be installed to draw in odors, where they would be neutralized before the air is discharged to the exterior of the building. The drawing in of air from the exhaust fans would create a negative pressure space in relation to outside the building, which would prevent air or odors from escaping from the building. The facility would not have openable windows, and doors would be sealed with weather stripping.

Mechanical Equipment

Mechanical equipment proposed for the project would include 10 roof mounted air conditioning units, one heat pump, ten air handlers, three bathroom exhaust fans, and seven wall mounted fans. The rooftop equipment would be screened from view by metal roof screening approximately 5'8" in height. Table 2 shows mechanical equipment to be installed for the proposed project.

Table 2 Mechanical Equipment

Type	Quantity	Make
Air Conditioning Unit	8	Armstrong 4SCU14LE159P-4
Air Conditioning Unit	1	Armstrong 4SCU16LS136P-3
Heat Pump	1	Armstrong 4SHP14L*136P-7
Air Handler	8	Armstrong BCE7E60M
Air Handler	1	Armstrong BCE7S48M
Air Handler	1	ADP R,PE,*CC1937
Bathroom Exhaust Fan	3	Broan AE50110DC
Wall Mount Fan	7	Hurricane Item No. 736489
High-Efficiency Dehumidifier		Quest 4035400 225 Dual

The project would also include a backup generator to support the facility in the case of a power outage and ensure battery operated electronic access panels remain functional.

Hazardous Materials and Waste

Chemicals/Fertilizers

Chemicals and fertilizers would be stored, used, and disposed of in accordance with Cal-OSHA, Cal-EPA, Federal EPA and local regulatory guidelines. Fertilizers would be stored in their original containers with visible labels and dated when purchased. No containers would come in contact with the floor. Inventory of chemicals would be maintained and updated as chemicals are added and removed from storage. The storage area would be locked and labeled as a fertilizer storage area with the Materials Safety data Sheet placed next to the entrance of the storage area.

Cannabis Waste

Cannabis waste would be stored within a dedicated waste storage room in the northwest corner of the building. Cannabis waste would be stored, managed, and disposed in compliance with applicable waste management laws and regulations and in accordance with manufacturer recommendations. Cannabis goods intended for disposal would be destroyed on premise, consisting of separation of cannabis goods from packaging and rendering it unrecognizable and unusable. Cannabis waste would be hauled to an authorized waste hauler or picked-up by an authorized waste hauler to a permitted composting facility. As the cannabis facility expands, an on-site composting operation would be

established. Cannabis waste activities would be reported into a track and trace system, which is the State system uses to track the movement of cannabis through the supply chain.

Security

During non-operational hours, entryways, exits, and windows would be covered externally by metal fencing. Entrances, windows, and walkways would be illuminated during evening hours, in compliance with city regulations. Interior and exterior security surveillance cameras would provide 24/7 coverage of all limited access areas, areas of ingress and egress, public areas, storage areas, cultivation rooms, loading dock, and parking lot. An audible interior and exterior security alarm system would be installed at points of entry and windows. The proposed project would include light fixtures and high flood spotlights throughout the parking area, which would have lighting shades to direct light downwards.

The facility would contract with a third-party security company to monitor the security surveillance system and alarm system and report and document any suspicious activity. Additionally, they would provide uniformed armed and unarmed security personal both during hours of operation and after operating hours. A 72 square foot security room would be located near the entrance to the building, in the southeast corner of the warehouse. Only permitted employees would be allowed to enter the facility. All main access doors, doors to the cultivation rooms, and door to the waste storage room would require keycards and electronic passcodes.

Utilities Providers

The City of Lompoc would provide electric, water, sewer, and solid waste services to the project site. Natural gas would be provided by Southern California Gas Company (SoCal Gas).

Emergency Services

The City of Lompoc Police Department and Fire Department would provide emergency services to the project site.

9. Surrounding Land Uses and Setting

The existing setting and surrounding land uses consist of a mix of uses including single-family residential neighborhoods to the west across North Seventh Street and industrial uses to the north, east, and south. Table 3 provides additional details relating to existing, surrounding land uses and associated zoning designations.

Table 3 Surrounding Land Use Designation

	Existing Land Use	General Plan Designation	Zoning Designation
Project Site	**Vacant Industrial**	**Industrial**	**Industrial**
North	Equipment and Tool Rental	Industrial	Industrial
West	Single-Family Residential	Low Density Residential	7R1
South	Wine Production Facility	Industrial	Industrial
East	Transmission Shop	Industrial	Industrial

10. Public Agencies Whose Approval is Required

The City of Lompoc is the lead agency for the project and would require the following permits:

- Commercial Cannabis Use License – Cultivation
- Commercial Cannabis Use License – Distribution
- Business Tax Certificate

In addition, permits from the following agencies would also be required:

- Department of Cannabis Control: Cultivation, Testing, and Distribution
- California Department of Food and Agriculture: Calcannabis Cultivation Licensing, and Processing

11. Have California Native American Tribes Traditionally and Culturally Affiliated with the Project Area Requested Consultation Pursuant to Public Resources Code Section 21080.3.1?

Letters were mailed to Native American Tribes on April 24, 2022. The City received a response from Crystal Mendoza of the Santa Ynez Band of Chumash Indians dated May 31, 2022 stating the Elder's Council requests no further consultation on the project. No other tribes responded to the letter.

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Environmental Factors Potentially Affected

This project would potentially affect the environmental factors checked below, involving at least one impact that is "Potentially Significant" or "Less than Significant with Mitigation Incorporated" as indicated by the checklist on the following pages.

□	Aesthetics	□	Agriculture and Forestry Resources	■	Air Quality
□	Biological Resources	□	Cultural Resources	□	Energy
□	Geology/Soils	□	Greenhouse Gas Emissions	□	Hazards & Hazardous Materials
■	Hydrology/Water Quality	□	Land Use/Planning	□	Mineral Resources
□	Noise	□	Population/Housing	□	Public Services
□	Recreation	□	Transportation	□	Tribal Cultural Resources
□	Utilities/Service Systems	□	Wildfire	■	Mandatory Findings of Significance

Determination

Based on this initial evaluation:

□ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

■ I find that, although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case, because revisions to the project have been made by or agreed to by the project proponent, and Mitigation Measures applied. A MITIGATED NEGATIVE DECLARATION will be prepared.

□ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

□ I find that the proposed project MAY have a "potentially significant impact" or "less than significant with mitigation incorporated" impact on the environment, but at least one effect (1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

☐ I find that although the proposed project could have a significant effect on the environment, because all potential significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

B H	11-8-22
Brian Halvorson, Planning Manager	Date
Signature	
Brian Halvorson	Planning Manager
Printed Name	Title
	11-8-22
Greg Stones, Principal Planner	Date
Signature	
Greg Stones	Principal Planner
Printed Name	Title

Environmental Checklist

1 Aesthetics

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Except as provided in Public Resources Code Section 21099, would the project:				
a. Have a substantial adverse effect on a scenic vista?	□	□	□	■
b. Substantially damage scenic resources, including but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	□	□	□	■
c. In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from a publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	□	□	□	■
d. Create a new source of substantial light or glare that would adversely affect daytime or nighttime views in the area?	□	□	■	□

Aesthetic Setting

The proposed project involves the use of a portion of an existing industrial building for a commercial cannabis cultivation, processing, and distribution operation. The project site is located in the eastern area of the City of Lompoc within a light industrial area of the city. The project site is relatively flat and is currently developed with an existing 8,000 square-foot industrial building as well as a driveway and parking lot off the alley off East Laurel Avenue and landscaping along the western and southern property boundary.

a. Would the project have a substantial adverse effect on a scenic vista?

The project includes minor tenant improvements but does not include changes to the exterior of the existing structure, parking lot, or landscaping except for a 160 square-foot addition in the northern portion of the warehouse. The addition would not be taller than the existing building. There would be no change to views through the site. The proposed project would result in no impacts to scenic vistas.

NO IMPACT

b. Would the project substantially damage scenic resources, including but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?

Beginning at the southern City limits, Highway 1 becomes a designated state scenic highway (Caltrans 2018). The project site is located 2.8 miles northeast of the designated highway and is not visible from the highway due to existing development and intervening buildings and vegetation. In addition, the project site has no on-site scenic resources such as historic buildings, trees, or rock outcroppings. The project would not impact scenic resources within a state scenic highway.

NO IMPACT

c. Would the project, in non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from a publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?

The project includes minor tenant improvements to an existing industrial building in an urbanized area. The light industrial building would remain consistent with the existing and surrounding development as no exterior changes would be made to the structure or site except for a 160 square-foot addition. The project site has an Industrial (I) zoning designation and the existing industrial structure is consistent with this designation.

The project site has existing landscaped areas along the western property boundary and a rock landscaped area in the southwest corner of the property which would remain. The rooftop mechanical equipment would be screened, consistent with LMC Section 17.312.040. The project would not conflict with applicable regulations governing scenic quality since there would be no changes to the exterior of the project site; there would be no impact to scenic quality

NO IMPACT

d. Would the project create a new source of substantial light or glare that would adversely affect daytime or nighttime views in the area?

The proposed project would include light fixtures and high flood spotlights throughout the parking area, which would have lighting shades to direct light downwards. Lights would be required to comply with LMC section 17.304.090.G which requires lights be designed to minimize light and glare on adjacent properties and includes development standards. Lights would be directed downward and shielded or recessed and would not illuminate areas off site.

The building includes 3 windows, as shown in Figure 4. The existing building is constructed of materials that do not create substantial amounts of glare, with masonry walls and a nonreflective roof. Therefore, the project would not create a new source of light or glare that would substantially affect daytime or nighttime views and impacts would be less than significant.

LESS THAN SIGNIFICANT IMPACT

2 Agriculture and Forestry Resources

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:				
a. Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	□	□	□	■
b. Conflict with existing zoning for agricultural use or a Williamson Act contract?	□	□	□	■
c. Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)); timberland (as defined by Public Resources Code Section 4526); or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))?	□	□	□	■
d. Result in the loss of forest land or conversion of forest land to non-forest use?	□	□	□	■
e. Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland to non-agricultural use or conversion of forest land to non-forest use?	□	□	□	■

a. Would the project convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?

b. Would the project conflict with existing zoning for agricultural use or a Williamson Act contract?

c. Would the project conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)); timberland (as defined by Public Resources Code Section 4526); or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))?

d. Would the project result in the loss of forest land or conversion of forest land to non-forest use?

e. Would the project involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland to non-agricultural use or conversion of forest land to non-forest use?

The proposed project involves the use of a portion of an existing industrial building for a commercial cannabis cultivation, processing, and distribution operation. The project site is not under Williamson Act contract and does not contain agricultural land or forest resources. The project site is not zoned for agriculture. According to the California Department of Conservation (DOC) Important Farmland dataset, the project site is also designated as Urban and Built-Up Land (DOC 2018). The land surrounding the project site is designated Urban Built-Up Land by the DOC. The nearest Prime Farmland to the project site is located approximately 0.47 miles to the northwest, on River Park Road. The proposed project would not impact agriculture uses. Implementation of the project would not result in impacts to farmland, timberland, or forest land, and would not result in the conversion or rezoning of nearby agricultural uses or conflict with a Williamson Act contract.

NO IMPACT

3 Air Quality

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:				
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 non-attainment under an applicable federal or state ambient air quality standard?	□	□	■	□
c. Expose sensitive receptors to substantial pollutant concentrations?	□	□	■	□
d. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	□	■	□	□

Air Quality Standards and Attainment

The project site is located in the South Central Coast Air Basin (SCCAB), which is under the jurisdiction of the Santa Barbara County Air Pollution Control District (SBCAPCD). SBCAPCD is one of 15 local air quality management agencies established by the California Air Resources Board (CARB). As the local air quality management agency, SBCAPCD is required to monitor air pollutant levels to ensure that applicable state and federal air quality standards for criteria pollutants are met and, if they are not met, to develop strategies to meet the standards. Criteria pollutants include ozone, which is produced by a photochemical reaction between nitrogen oxides (NO_X) and reactive organic compounds (ROC), carbon monoxide (CO), nitrogen dioxide (NO_2), small particulate matter measuring no more than 10 microns in diameter (PM_{10}), fine particulate matter measuring no more than 2.5 microns in diameter ($PM_{2.5}$), and lead.

"Attainment" or "nonattainment" status is classified for all criteria pollutants based on whether or not SCCAB meets or exceeds the air quality standards. SCCAB has a nonattainment-transitional status for the state standard for ozone and PM_{10}. Thus, SCCAB is required to implement strategies to reduce ozone and PM_{10} to recognized acceptable standards. The health effects for non-attainment criteria pollutants are described in Table 4.

Table 4 Health Effects Associated with Non-Attainment Criteria Pollutants

Pollutant	Adverse Effects
Ozone	(1) Acute inflammation from short-term and long-term exposures; (2) excess seasonal declines in pulmonary function, especially in children; (3) asthma exacerbation and possibly induction; (4) increased respiratory symptoms such as cough and bronchitis; and (5) increased hospitalization for both cardiovascular and respiratory disease (including asthma).[a]
Suspended particulate matter (PM_{10})	(1) Excess deaths from short-term and long-term exposures; (2) excess seasonal declines in pulmonary function, especially in children; (3) asthma exacerbation and possibly induction; (4) adverse birth outcomes including low birth weight; (5) increased infant mortality; (6) increased respiratory symptoms in children such as cough and bronchitis; and (7) increased hospitalization for both cardiovascular and respiratory disease (including asthma).[a]

[a] More detailed discussions on the health effects associated with exposure to suspended particulate matter can be found in the following documents: EPA, Air Quality Criteria for Particulate Matter, October 2004; Air Quality Criteria for Ozone and Related Photochemical Oxidants, February 2006
Source: U.S. EPA 2022a, https://www.epa.gov/criteria-air-pollutants

Air Quality Management

The California Clean Air Act requires the SBCAPCD update their 1991 Air Quality Attainment Plan to reflect changing conditions every three years. The SBCAPCD's 1998 Clean Air Plan, the second update to the initial state Air Quality Attainment Plan, established specific planning requirements to achieve attainment of the federal 1-hour ozone standard, in compliance with the 1990 federal Clean Air Act. In 2006, CARB revised the state zone standards, making them more stringent by adding an 8-hour average to the ozone standard, which previously only included a 1-hour average. Both components of the standard must now be met before CARB can designate that an area is in attainment. The SBCAPCD's most recent 2019 Ozone Plan was adopted in December 2019 to addresses the SBCAPCD's progress toward attaining the state ozone standards. In 2019 SBAPCD was designated as by the State as having achieved attainment for the California ozone standard however, based on exceedances of the standard in 2019 and 2020, The SBCAPCD was recently re-designated nonattainment for the State ozone standards effective February 2021 (SBCAPCD 2021). Thus, SCCAB is required to continue to implement strategies to reduce ozone and PM_{10} to recognized acceptable standards. In February of 2022, CARB re-designated SBCAPCD from "Unclassified" to "Attainment for the $PM_{2.5}$ standard, however the change will not take effect until the California Office of Administrative Law reviews and approves the re-designation (SBCAPCD 2022b).

Air Emission Thresholds

In January 2022, the SBCAPCD published a limited update to its Scope and Content of Air Quality Sections in Environmental Documents (Guidelines) (SBCAPCD 2022a). The Guidelines establish criteria for determining the level of significance for project-specific impacts within its jurisdiction in accordance with the above CEQA checklist thresholds. Based on criteria applied in, or adapted from, the Guidelines, impacts related to emission of criteria air pollutants would not be significant if operation of the project would:

- emit (from all project sources, both stationary and mobile) less than the daily trigger for offsets or Air Quality Impact Analysis set in the APCD New Source Review Rule1, for any pollutant (i.e., 240 pounds/day for ROC or NOx; and 80 lbs/day for PM10. There is no daily operational threshold for CO; it is an attainment pollutant); and
- emit less than 25 pounds per day of NOx or ROC from motor vehicle trips only; and

- not cause or contribute to a violation of any California or National Ambient Air Quality Standard (except ozone); and
- not exceed the APCD health risk public notification thresholds adopted by the APCD Board (10 excess cancer cases in a million for cancer risk and a Hazard Index of more than one (1.0) for non-cancer risk; and
- be consistent with the latest adopted federal and state air quality plans for Santa Barbara County.

SBCAPCD does not currently have quantitative thresholds of significance for construction (short-term) emissions but uses 25 tons per year for ROC or NOx as a guideline for determining significance of construction impacts.

Methodology

The proposed project does not include the demolition, substantial grading, or substantial building construction which would require the use large construction equipment. However, construction would require some diesel equipment use and therefore construction activities were conservatively modeled to estimate emissions from the exterior improvement. Emissions generated by the proposed project include long-term emissions associated with operation of the commercial cannabis business.

The project's construction and operational emissions were estimated using the California Emissions Estimator Model (CalEEMod), version 2020.4.0. CalEEMod uses project-specific information, including the project's land uses, square footages for different uses (e.g., light industrial), and location, to model a project's emissions.

Construction emissions are generated by the onsite use of diesel equipment and the vehicle trips associated with construction worker, vendor and haul trucks as needed. Exterior improvements addressed in the construction modeling include: removing the existing walls and hardscape in the improvement areas; fine grading of the improvement areas; the installation of the new walkways; and the 160 square foot addition to the north end of the building. Default construction equipment use and schedule were used to estimate construction emissions. Emissions associated with the worker and vendor commutes to the site for renovation of the interior space were also included in the construction emissions assessments. Construction modeling assumptions are included in Appendix A.

Operational emissions modeled include mobile source emissions (i.e., vehicle emissions associated with the 18 employees and chemical delivery), energy emissions, and area source emissions. Mobile source emissions are generated by vehicle trips to and from the project site and were estimated assuming 18 workers per day and up to 2 daily deliveries. CalEEmod defaults for trip distance and emission factors were used. Emissions attributed to energy use include natural gas consumption for space, water heating, and other equipment. Area source emissions are generated by landscape maintenance equipment, consumer products and architectural coatings. Emissions attributed to area and energy use were based on CalEEMod default values for these source areas. Operational emissions also include the emissions from an emergency generator. Consistent with typical testing and permitting requirements, the emergency generator was anticipated to be operated for up to 2 hours per day with a total of 50 hours per year for testing purposes. Emissions from testing activities were included as part of the operational emissions. Operational modeling assumptions are included in Appendix A

Carcinogenic and non-carcinogenic health risk impacts from the emergency generator were evaluated using the United States Environmental Protection Agency (USEPA) recommended AERMOD model (version 10.2.0) and the California Air Resource Board's (CARB) Hot Spot Analysis and Reporting

Program (HARP2) (version 21081). Risk from diesel particulate matter (DPM) to residents and workers within 1,000 feet of the project site were modeled and compared to the appropriate SBCAPCD health risk thresholds.

a. Would the project conflict with or obstruct implementation of the applicable air quality plan?

The SBCAPCD Guidelines state that a project is consistent with the Clean Air Plan if its direct and indirect emissions have been accounted for in the Clean Air Plan's emissions growth assumptions. Therefore, the project as a whole would be considered to be inconsistent if the project's direct and indirect emissions have not been accounted for in the Clean Air Plan's emissions growth assumptions. The Clean Air Plan's direct and indirect emissions inventory for the County as a whole are reliant on population projections provided by the Santa Barbara County Association of Governments (SBCAG). SBCAG generates population projection based on the population projections contained in City General Plans. In this case, SBCAG has utilized population projections contained in the City of Lompoc's General Plan. Because the project would not result in new residential uses, the project would not contribute to a substantial increase in population and would be consistent with the population projections on which the Clean Air Plan is based. As a result, no impact would occur.

NO IMPACT

b. Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?

If the project's regional emissions do not exceed the applicable SBCAPCD thresholds, then the project's criteria pollutant emissions would not be cumulatively considerable.

Construction

Table 5 summarizes the project's construction emissions by year. As shown in Table 5, the project's operational emissions would not exceed SBCAPCD thresholds of 25 tons per year of ROC and NO_x. Therefore, construction emissions of criteria pollutants would be less than significant.

Table 5 Project Construction Emissions

	Maximum Daily Emissions (tons/year)					
Emission Source	**ROC**	**NO_X**	**CO**	**SO_2**	**PM_{10}**	**$PM_{2.5}$**
2022	<1	<1	<1	<1	<1	<1
2023	<1	<1	<1	<1	<1	<1
2023 (renovation mobile)	<1	<1	<1	<1	<1	<1
Project Emissions	<1	<1	<1	<1	<1	<1
SBCAPCD Total Emissions Thresholds	25	25	None	None	None	None
Threshold Exceeded?	**No**	**No**	**N/A**	**N/A**	**N/A**	**N/A**

Notes: See Appendix A for modeling results.

Operation

Table 6 summarizes the project's operational emissions by emission source (area, energy, and mobile). As shown in Table 6, the project's operational emissions would not exceed SBCAPCD thresholds of 240 pounds per day of ROC and NO_x or 80 pounds per day of PM_{10}. Operational increases in criteria pollutants would be less than significant.

Table 6 Project Operational Emissions

	Maximum Daily Emissions (lbs/day)					
Emission Source	**ROC**	**NO_X**	**CO**	**SO_2**	**PM_{10}**	**$PM_{2.5}$**
Area	<1	0	<1	0	0	0
Energy	<1	<1	<1	<1	<1	<1
Mobile	<1	<1	1	<1	<1	<1
Stationary	1	<1	1	<1	<1	<1
Project Emissions	1	1	2	<1	<1	<1
SBCAPCD Total Emissions Thresholds	240	240	None	None	80	None
Threshold Exceeded?	**No**	**No**	**N/A**	**N/A**	**No**	**N/A**
SBCAPCD Mobile Emissions Thresholds	25	25	None	None	None	None
Threshold Exceeded?	**No**	**No**	**N/A**	**N/A**	**N/A**	**N/A**

Notes: See Appendix A for modeling results. Some numbers may not add up precisely due to rounding considerations.

LESS THAN SIGNIFICANT IMPACT

c. Would the project expose sensitive receptors to substantial pollutant concentrations?

Land uses such as schools, hospitals, and convalescent homes are considered to be sensitive to poor air quality conditions because infants, the elderly, and people with health afflictions are more susceptible to air quality-related health problems than the general public. Residential areas are also considered sensitive to air pollution because residents tend to be at home for extended periods of time, resulting in sustained exposure to any pollutants present. The nearest sensitive receptors to the project site are single-family residences approximately 150 feet to the west. The project would not introduce new sensitive receptors to the project site.

Construction Impacts

Construction-related activities can result in short-term, project-generated emissions of diesel particulate matter (DPM) exhaust emissions from off-road, heavy-duty diesel equipment for site preparation grading, building construction, and other construction activities. The project would not require the substantial use of heavy construction equipment (diesel equipment use is anticipated to occur for less than 4 months). Therefore, the project would not generate substantial quantities of DPM and would not expose nearby sensitive receptors to substantial pollutant concentrations. Construction impacts to sensitive receptors would be less than significant.

Operational Impacts

Long-term operational emissions of the project would include toxic substances such as cleaning agents and flammable materials in use on site. Compliance with State and federal handling regulations would ensure that emissions remain below a level of significance. The use of such substances such as cleaning agents and flammable materials is regulated by the 1990 Federal Clean Air Act Amendments as well as State-adopted regulations for the chemical composition of consumer products.

In addition, TAC emissions would occur from the testing of the emergency stand-by generator. As there are workers and sensitive receptors in the immediate vicinity of the project a health risk assessment was conducted to determine the potential impacts to the local population (Appendix B). The maximum risk for workers was identified approximately 83 meters east of the generator location, while the maximum concentration for residents was identified at 83 meters northwest of the generator location. Maximum cancer risk was determined to be less than 1 per million for both residents and workers, this is substantially below the SBCAPCD threshold of 10 in one million. Maximum non-cancer risk for residents and workers are less than 0.01, which is substantially below the SBCAPCD threshold of 1. As such, project-related toxic air contaminant emission impacts during operation would be less than significant.

LESS THAN SIGNIFICANT IMPACT

d. Would the project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Emissions leading to odors during project construction would occur from the use of onsite construction equipment, as well as off-gassing from architectural coating activities. For construction activities, odors would be short-term in nature, generally limited to the project site, and are subject to SBCAPCD Rule 303 which provides protocol to limit the generation of odors. Construction activities would be temporary and transitory and associated odors would cease upon construction completion. Accordingly, construction of the proposed project would not generate other emissions that would create objectionable odors affecting a substantial number of people and impacts would be less than significant.

Pursuant to SBCAPCD Rule 303, a person may not discharge air contaminants which cause nuisance or annoyance to any considerable number of people. The nearest residences are located approximately 150 feet west of the project building. Cannabis has a strong odor that may be objectionable to some people. Odors from cannabis operations may be detectable off site and prevailing winds can transport odors toward odor receptors. The proposed project entails the use of an existing structure on the site as a commercial cannabis cultivation and processing facility. Potential sources that may emit odors during operation of the proposed project would include odor emissions from cannabis growing, flowering, and processing, as well as trash storage areas.

The project includes an Odor Abatement Plan consistent with City permitting requirements. The project would install an air ventilation/filter system in the building which would keep rooms dedicated to cannabis cultivation and processing (clone, vegetation, flowering, drying, and trimming rooms) at a neutral air pressure while the adjacent areas and areas with external access would be kept under a negative pressure through an exhaust system. The exhaust system would contain carbon filters which would draw in odors where they would be neutralized before the air is discharged to the exterior of the building. In addition, the exhaust system would discharge air from the inside of the building upwards away from neighboring uses and pedestrians. The pressure-controlled building would

prevent air or odors from escaping from the building. The facility would not have any openable windows and all doors would be sealed with weather stripping.

The Odor Abatement Plan also contains a list of actions that the cultivation and processing facility would implement to access the system and ensure odors are not detected offsite. Odors would be accessed and documented daily. If odors are detected off-site, the Odor Abatement Plan specifies protocols to follow and the attainment of a certified engineer to implement new odor abatement strategies if needed.

While the project would include odor control features and best management practices to control cannabis odors, there is the potential for cannabis odors from on-site operations to create a nuisance for nearby residents as documented in the Odor Abatement Plan. Therefore, impacts from odors are conservatively assessed as potentially significant and require mitigation.

Mitigation Measures

AQ-1 Odor Control Measures

The applicant shall implement additional best management practice techniques to reduce and eliminate off site odor, which include but are not limited to:

- Keep the rolltop door and all access doors shut except when entering or leaving the facility
- The facility shall have no openable windows
- Maintain the carbon exhaust air filtration units in compliance with manufacture's specification
- Replace filters pursuant to manufacture's specifications
- Store cannabis waste inside the building until it is time for removal off-site

Significance After Mitigation

Implementation of Mitigation Measure AQ-1 would provide additional odor control techniques in addition to the Odor Abatement Plan to ensure that odors from cannabis operations would not be a nuisance to nearby residents and impacts. With implementation of Mitigation Measure AQ-1, impacts from odors would be less than significant.

LESS THAN SIGNIFICANT WITH MITIGATION INCORPORATED

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4 Biological Resources

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:				
a. Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	□	□	■	□
b. Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	□	□	□	■
c. Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	□	□	□	■
d. Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	□	□	□	■
e. Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	□	□	□	■
f. Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	□	□	□	■

Biological Resources Setting

The project site is located in an urban area and surrounded by existing development. The site is developed with an existing industrial building, paved driveway and parking lot, and landscaping. No habitat that may support special-status plant or animal species exists within the project site. Ornamental trees and shrubs within 500 feet of the project area could provide suitable habitat for nesting birds. There is no potential for sensitive species to occur on the project site.

a. Would the project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?

The proposed project involves the use of a portion of an existing industrial building for a commercial cannabis cultivation, processing, and distribution operation. The project site is entirely developed and has no natural or native vegetation communities that would support special-status species. Ornamental shrubs and trees in the vicinity of the project site could be used by numerous species of migratory birds as nesting habitat. However, the proposed exterior improvements are minor, including removal of an existing exterior block wall, installation of a new transformer pad, new concrete sidewalk and ramp along the western and northern exterior of the building, 160 square-foot addition to the north side of the existing building, and installation of an HVAC system. All improvements would be located in areas that are paved and unvegetated. Impacts to special status species would be less than significant.

LESS THAN SIGNIFICANT IMPACT

b. Would the project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?

The project site is developed with an 8,000 square-foot industrial building, parking lot, and driveway. The surrounding properties are also developed with industrial and residential uses. No riparian habitat or other sensitive natural communities exist within the vicinity of the project site. The project would have no impact on sensitive natural communities.

NO IMPACT

c. Would the project have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

There are no state or federally protected wetlands present on the project site. The nearest wetland habitat identified by the National Wetland Inventory (NWI) is located along the Santa Ynez River, approximately 0.5 mile north of the project site (USFWS 2020). Because no wetlands occur on or near the project site, there would be no impacts to state of federally protected wetlands.

NO IMPACT

d. Would the project interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

Wildlife movement corridors, or habitat linkages, are generally defined as connections between habitat patches that allow for physical and genetic exchange between otherwise isolated animal populations. The project site is a developed parcel and is surrounded by residential development to the west and industrial development to the north, east, and south. The site has no connectivity to natural habitats and therefore does not support substantial wildlife movement. There are no native wildlife nursery sites within the vicinity of the project site. No impacts to wildlife movement corridors or native wildlife nursery sites would occur as a result of project activities.

NO IMPACT

e. Would the project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

As discussed under impacts a and b, there are no biologically sensitive species or habitats on the project site which would be impacted by the project and the project would not conflict with policies in the City of Lompoc General Plan. The project would not require the removal of trees and would not violate the LMC Chapter 12.32 related to tree projection. There would be no impacts to local policies protecting biological resources.

NO IMPACT

f. Would the project conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?

The project site is not within an adopted habitat conservation plan or identified habitat conservation area. There would be no impacts to an applicable habitat conservation plan.

NO IMPACT

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5 Cultural Resources

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:				
a. Cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5?	□	□	□	■
b. Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	□	□	□	■
c. Disturb any human remains, including those interred outside of formal cemeteries?	□	□	□	■

a. Would the project cause a substantial adverse change in the significance of a historical resource?

b. Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?

c. Would the project disturb any human remains, including those interred outside of formal cemeteries?

The proposed project involves the use of a portion of an existing industrial building for a commercial cannabis cultivation and processing facility. The site is entirely developed with an existing 8,000 square-foot industrial building, parking lot, and driveway. No known historic, archaeological resources, or human remains are known to be located on-site. The proposed project includes minor tenant improvements but does not include changes to the exterior of the existing structure, parking lot, or landscaping except for a 160 square-foot addition in the northern portion of the warehouse. There would be no ground disturbing activities associated with the site improvements. Therefore, the project would not impact unknown historic, archaeological resources, or human remains.

NO IMPACT

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6 Energy

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:				
a. Result in a potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	□	□	□	■
b. Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	□	□	□	■

Energy Setting

The proposed project would be served electric power by the City of Lompoc's Electric Company. The City of Lompoc is a member of the Northern California Power Authority (NCPA), which generates power for its members. The most recent power content label (2021) for the City reports that approximately 26 percent of the power used is eligible as renewable, primarily from geothermal power. Additionally, 8.8 percent of the power is sourced from large hydroelectric and 31.5 percent from natural gas. Coal is not used in generating power for NCPA (City of Lompoc 2021d). In 2020, Lompoc provided approximately 123 million kilowatt hours of electricity (CEC 2020). Natural gas would be provided by Pacific Gas and Electric, which provided 4,508 million U.S. Therms of natural gas in 2020.

a. Would the project result in a potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?

The project would not require demolition of existing facilities or construction of new facilities beyond the proposed 160-square foot addition, as the proposed operations would use an existing on-site building. Minor site improvement would not require the substantial use of heavy construction equipment or activities such as grading. Therefore, the construction energy demand would be minimal and would not result in wasteful, inefficient, or unnecessary consumption of energy resources. Impacts would be less than significant.

The project site is currently vacant. Construction and Operation of the project would increase energy use over existing conditions through the use of petroleum fuels, power for heating and cooling, lighting, cannabis grow lights, HVAC units and chillers, and freezers. The project's estimated energy use is shown in Table 7.

Table 7 Estimated Energy Use

Source	Energy Consumption	
Construction Gasoline	609 gallons	73 MMBtu
Construction Diesel	19,092 gallons	2,623 MMBtu
Operational Gasoline	3,712 gallons	446 MMBtu
Operational Diesel	973 gallons	137 MMBtu
Operational Electricity	33,696 kWh	115 MMBtu
Operational Natural Gas	208,909 kBTU	209 MMBtu
Total		**3,600 MMBtu**

Notes: Btu = British Thermal Units

Source: Appendix A

Construction of the proposed project would consume approximately 609 gallons of gasoline and 19,092 gallons diesel through worker and truck trips. Operations of the proposed project would consume approximately 3,712 gallons of gasoline and 973 gallons diesel through employees and truck trips, 33,696 kilowatt hours (kWh) of electricity and 208,909 kilo british thermal unit (kBtu), or 2,090 U.S. Therms, of natural gas per year. The petroleum fuel, energy and natural gas consumption would not represent a substantial increase in demand.

The project would be required to adhere to State regulations for cannabis cultivation, contained in Title 3, Division 8, Chapter 1 of the California Code of Regulations, which are related to energy efficiency and conservation. These regulations were not captured in the above estimates as they are to be implemented by cannabis facilities in the State in the coming years. The implementation of these measures, required by law, would further reduce the energy demand for the project's cannabis operations.

The energy demand from the proposed project would not result in wasteful, inefficient, or unnecessary consumption of energy resources. Construction and Operation of the project would increase petroleum fuel, electricity, and natural gas consumption due to increased vehicle trips and operational energy needs. However, this increased demand would represent a small proportion of demand from energy providers, and the project would be required to comply with applicable regulations related to energy efficiency and conservation. Therefore, project operation would not result in wasteful or unnecessary energy consumption, and impacts would be less than significant

LESS THAN SIGNIFICANT IMPACT

b. Would the project conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

The proposed project would establish a new use in an existing light industrial building. It would not conflict with or obstruct a state or local plan for renewable energy or energy efficiency, including the state's Energy Action Plan II, and its 2008 update, as well as state energy requirements implemented in the California Green Building Code and the California Energy Code. The project would be required to comply with the Green Building and California Energy Codes and would not conflict with the identified provisions in the Energy Action Plan II and its update.

NO IMPACT

7 Geology and Soils

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:				
a. Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
1. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault?	□	□	■	□
2. Strong seismic ground shaking?	□	□	■	□
3. Seismic-related ground failure, including liquefaction?	□	□	■	□
4. Landslides?	□	□	■	□
b. Result in substantial soil erosion or the loss of topsoil?	□	□	□	■
c. Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?	□	□	□	■
d. Be located on expansive soil, as defined in Table 1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?	□	□	■	□
e. Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?	□	□	□	■

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
f. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	□	□	□	■

a.1. Would the project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault?

a.2. Would the project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving strong seismic ground shaking?

a.3. Would the project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving seismic-related ground failure, including liquefaction?

a.4. Would the project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving landslides?

The proposed project would not result in substantial adverse effects, including the risk of loss injury or death involving the rupture of a known earthquake fault. No major faults are located in or adjacent to the project site. The closest fault is the Santa Ynez River Fault, approximately 0.5 to the south, and there are no Alquist-Priolo Faults in the region (City of Lompoc 2011a, Figure S-3). Although the region and site could be subject to strong seismic ground shaking, the proposed project would not directly or indirectly cause potential substantial adverse effects involving strong seismic ground shaking as the project does not include the construction of structures that would be occupied by people. The proposed project would not directly or indirectly cause potential substantial adverse effects related to ground failure, including liquefaction. The project would not directly or indirectly cause potential substantial adverse effects related to landslides, as the subject property is flat and is surrounded by similarly flat parcels without significant elevation changes. Impacts related to seismic activity, liquefaction, or landslides would be less than significant.

LESS THAN SIGNIFICANT IMPACT

b. Would the project result in substantial soil erosion or the loss of topsoil?

The project would not involve grading or increases in exposed soil which would be exposed to wind or water erosion. There would be no impacts related to soil erosion or loss of topsoil.

NO IMPACT

c. Would the project be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?

The project site is flat and is located away from slopes or topographic changes. As discussed in Impact a.3 above, the proposed project would not be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, result in on- or off-site landslide, lateral

spreading, subsidence, liquefaction, or collapse. There would be no impacts related to landslide, lateral spreading, subsidence, liquefaction, or collapse.

NO IMPACT

d. Would the project be located on expansive soil, as defined in Table 1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?

Substantial direct or indirect risks to life or property would not result from the proposed project, as the project would use an existing building in a developed area. New modification to the existing structure would be required to adhere to local and state mandated construction requirements, including but not limited to the California Building Code and City ordinances and engineering standards. With adherence to construction requirements, impacts from unstable soils and placing structures on expansive soils would be less than significant.

LESS THAN SIGNIFICANT IMPACT

e. Would the project have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?

The proposed project would not require the use of septic tanks or alternative wastewater disposal systems. There would be no impact.

NO IMPACT

f. Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

The project does not include ground disturbing activities that could destroy subsurface resources or geologic features. There would be no impacts.

NO IMPACT

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8 Greenhouse Gas Emissions

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:				
a. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	□	□	■	□
b. Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	□	□	■	□

Greenhouse Gases and Climate Change Setting

Climate change is the observed increase in the average temperature of the earth's atmosphere and oceans along with other substantial changes in climate (such as wind patterns, precipitation, and storms) over an extended period of time. The baseline against which these changes are measured originates in historical records identifying temperature changes that have occurred in the past, such as during previous ice ages. The global climate is continuously changing, as evidenced by repeated episodes of substantial warming and cooling documented in the geologic record. The rate of change has typically been incremental, with warming or cooling trends occurring over the course of thousands of years. The past 10,000 years have been marked by a period of incremental warming as glaciers have steadily retreated across the globe. However, scientists have observed acceleration in the rate of warming during the past 150 years. Per the United Nations Intergovernmental Panel on Climate Change, the understanding of anthropogenic warming and cooling influences on climate has led to a high confidence (95 percent or greater chance) that the global average net effect of human activities has been the dominant cause of warming since the mid-twentieth century (Intergovernmental Panel on Climate Change 2007).

GHGs are gases that absorb and re-emit infrared radiation in the atmosphere. The gases widely seen as the principal contributors to human-induced climate change include carbon dioxide (CO_2), methane, nitrous oxide, fluorinated gases such as hydrofluorocarbons and perfluorocarbons, and sulfur hexafluoride. Water vapor is excluded from the list of GHGs because it is short-lived in the atmosphere and its atmospheric concentrations are largely determined by natural processes, such as oceanic evaporation. GHGs are emitted by both natural processes and human activities. Of these gases, CO_2 and methane are emitted in the greatest quantities from human activities. Emissions of CO_2 are largely by-products of fossil fuel combustion, whereas methane results from off-gassing associated with agricultural practices and landfills. Anthropogenic GHGs, many of which have greater heat-absorption potential than CO_2, include fluorinated gases and sulfur hexafluoride (United States Environmental Protection Agency 2022b).

The accumulation of GHGs in the atmosphere regulates Earth's temperature. Without the natural heat-trapping effect of GHGs, Earth's surface would be about 33 degrees Celsius cooler (NASA 2022). However, emissions from human activities, particularly the consumption of fossil fuels for electricity production and transportation, have elevated the concentration of GHGs in the atmosphere beyond the level of naturally occurring concentrations. Scientific modeling predicts that continued GHG emissions at or above current rates would induce more extreme climate changes during the 21st century than were observed during the 20th century. Some of the potential impacts of climate change in California may include loss of snowpack, sea level rise, more extreme heat days per year, more high ozone days, more large forest fires, and more drought years (State of California 2018). While these potential impacts identify the possible effects of climate change at a statewide level, in general, scientific modeling tools are currently unable to predict what impacts would occur locally.

The City of Lompoc completed a baseline 2008 GHG emissions inventory that estimated communitywide emissions of 94,870 metric tons (MT) of CO_2 equivalents (CO_2e) per year from operational and area sources and 252,469 MT CO_2e from mobile sources (City of Lompoc 2011b).

Methodology

The proposed project involves the use of a portion of an existing industrial building for a commercial cannabis cultivation, processing, and distribution operation. The project would not require demolition of existing facilities beyond the proposed 160-square foot addition, as the proposed commercial cannabis operations would use an existing building and only involve a 160 square-foot addition. Although not extensive, the construction emissions of the project were quantified using CalEEMod version 2020.4.0 and amortized over an anticipated 30-year project lifetime. Amortized construction emissions were then added to the operational emissions to determine total annual project emissions.

GHG emissions for project operation were calculated using CalEEMod version 2020.4.0. CalEEMod calculates emissions of CO_2, methane, and nitrous oxide associated with construction activities, energy use, area sources, waste generation, and water use and conveyance as well as emissions of CO_2 and methane associated with mobile sources. Emissions of all GHGs are converted into their equivalent global warming potential in terms of CO_2 (i.e., CO_2e). Model assumptions for construction and operational emissions described under Section 3 and included in Appendix A.

Significance Thresholds

CEQA Guidelines section 15126.2(a) clarifies that an EIR shall focus analysis on the significant effects of a proposed project on the environment. CEQA Guidelines section 15064.4 requires a lead agency to describe, calculate, or estimate the amount of GHG emissions resulting from a project. The lead agency is given discretion whether to:

1. Quantify GHG emissions resulting from a project, and/or
2. Rely on a qualitative analysis or performance-based standards.

The revisions to CEQA Guidelines section 15064.4.(2)(b) clarify that in determining the significance of a project's GHG emissions, the lead agency should focus its analysis on the reasonably foreseeable incremental contribution of the project's emissions to the effects of climate change. A project's incremental contribution may be cumulatively considerable even if it appears relatively small compared to statewide, national or global emissions. Section 15064.4(b) states that a lead agency should consider the following factors when determining the significance of impacts from GHG emissions on the environment:

1. The extent to which the project may increase or reduce GHG emissions as compared to the existing environmental setting;
2. Whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project; and
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 GHG emissions.

The lead agency has discretion to select a model or methodology it considers most appropriate to enable decision makers to intelligently account for the project's incremental contribution to climate change. Currently, neither the State of California nor the City of Lompoc has established CEQA significance thresholds for GHG emissions.

In January 2021, Santa Barbara County amended their Environmental Thresholds and Guidelines Manual. The adopted Guidelines include an industrial stationary source GHG emissions threshold of 1,000 MT CO_2e per year, as shown in Table 8, which applies to industrial stationary sources subject to discretionary approvals (Santa Barbara County 2021). The threshold applies to both direct and indirect emissions. According to the Environmental Thresholds and Guidelines Manual, direct emissions encompass the projects complete operations, including stationary and mobile sources. Indirect emissions encompass GHG emissions that are associated with electricity, water, and solid waste.

Table 8 Santa Barbara County GHG Emissions Thresholds

GHG Emission Source Categories	Operational Emissions
Stationary Source Industrial Projects	1,000 MT CO_2e per year

Source: Santa Barbara County 2021

Stationary Sources include land uses that would accommodate processes and equipment that emit GHG emissions and would require an Air District permit to operate.

The City of Lompoc is located in Santa Barbara County and shares meteorological attributes, as well as similar land use patterns and policies, and thresholds deemed applicable in Santa Barbara County would also reasonably apply to projects within the City of Lompoc. The proposed project would require permitting from SBCAPCD related to mechanical equipment proposed and would require discretionary approval. Therefore, the City has determined the Santa Barbara County industrial stationary source threshold is appropriate for the proposed project.

Senate Bill (SB) 32 and Executive Order (EO) S-3-05 extend the state's GHG reduction goals to meet a state goal of reducing GHG emissions to 1990 levels by 2020, 40 percent below 1990 levels by 2030, and 80 percent below 1990 levels by 2050. The Santa Barbara County industrial stationary source threshold was adopted consistent with the state requirements.

a. Would the project generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment?

The proposed project involves the use of a portion of an existing industrial building for a commercial cannabis cultivation, processing, and distribution operation and a 160 square-foot addition. The project would not require demolition of existing facilities or the use of substantial heavy construction equipment. Total construction emissions anticipated from the renovations of the internal portion of the building and the external upgrades is approximately 63 MT CO_2e. Amortized construction emissions (2.1 MT CO_2e) are the annual construction emissions spread over the anticipated 30-year

project lifetime. Construction emissions are added to operational emissions and the total annual project emissions are compared with the regulatory threshold.

Total annual operational GHG emissions associated with the proposed project are shown in Table 9. As shown, the project would generate approximately 53 MT CO_2e per year from amortized construction, stationary, area, energy, waste, water usage, and mobile emission sources. This would not exceed the established threshold of 1,000 CO2e MT per year. Impacts would be less than significant.

Table 9 Combined Annual Emissions of Greenhouse Gases

Emission Source	Annual Emissions (CO_2e MT)
Area	<1
Energy	9.0
Mobile	35
Stationary	3
Solid Waste	2
Water	1
Operational Total Emissions	51
Amortized Construction	2
Total	**53**
Threshold	1,000
Exceed Threshold?	**No**

See Appendix A for CalEEMod worksheets. Values may not add directly due to rounding.

LESS THAN SIGNIFICANT IMPACT

b. Would the project conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

The City of Lompoc has not adopted a Climate Action Plan. The County of Santa Barbara Planning Commission adopted the Energy and Climate Action Plan (ECAP) for the County of Santa Barbara in May 2015 (County of Santa Barbara 2015). However, this plan applies to unincorporated areas of Santa Barbara County and not incorporated cities such as Lompoc. SBCAG has incorporated a sustainable community strategy into its Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) plan, which is designed to help the region achieve its SB 375 GHG emissions reduction target. The SBCAG 2040 RTP/SCS demonstrates that the SBCAG region would achieve its regional emissions reduction targets for the 2020 and 2035 target years. The RTP/SCS includes an objective to improve the jobs-housing ratio in the County by encouraging more housing development on the South Coast and more job-producing development in the North County, including the City of Lompoc. As such, the project would be consistent with the RTP/SCS by creating job opportunities in Lompoc.

The 2017 Scoping Plan outlines a pathway to achieving the 2030 reduction targets set under SB 32. As discussed under a), the project's GHG emissions would not exceed the identified GHG threshold. As a result, the project would not conflict with the reduction targets of 2017 Scoping Plan, and impacts would be less than significant.

LESS THAN SIGNIFICANT IMPACT

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9 Hazards and Hazardous Materials

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:				
a. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	□	□	■	□
b. Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	□	□	■	□
c. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within 0.25 mile of an existing or proposed school?	□	□	■	□
d. Be located on a site that is included on a list of hazardous material sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	□	□	□	■
e. For a project located in an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	□	□	□	■
f. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	□	□	□	■
g. Expose people or structures, either directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires?	□	□	□	■

a. Would the project create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

b. Would the project create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

The proposed project would involve the use of a portion of an existing industrial building for a commercial cannabis cultivation, processing, and distribution operation. The cultivation and processing of cannabis would require the use and storage of minimal amounts of potentially hazardous materials such as fuel for power equipment and backup generators, fertilizers, cleaners, and pesticides. However, the facility would not use ammonium nitrate. Appropriate documentation for all hazardous waste that is transported, stored, or used in connection with specific project-site activities would be provided as required for compliance with existing hazardous materials regulations codified in the California Code of Regulations (CCR). Operation of the proposed cannabis cultivation and processing facility would not involve the routine transport, use or disposal of hazardous materials in quantities or conditions that would pose a hazard to public health and safety or the environment, as detailed below. Cultivation of cannabis would require the use of fertilizers, pesticides, and other agricultural chemicals. When hazardous, these substances would be handled pursuant to applicable state and local regulations and policies. Specifically, the operator would be required to comply with all pesticide laws and regulations enforced by the California Department of Pesticide Regulation and California EPA for application and storage protocols. In addition, the Occupational Safety and Health Administration (OSHA) regulates permitted businesses to ensure the health and safety of employees from occupational hazards. The project would be required to comply with all OSHA requirements for the safety of employees.

The facility would include additional procedures to ensure the safe handling and storage of fertilizers, including keeping fertilizer on steel pallets kept off the ground within dedicated storage area that is locked and clearly labeled, no pesticides or other greenhouse chemicals would be stored in the fertilizer storage area, and Material Safety Data Sheets would be placed next to the entrance of the storage area. In addition, the facility would contract with a fertilizer company to supply, deliver, and manage the fertilizer in recommended and safe levels.

Cannabis waste (organic and hazardous) would be stored in a locked container designated for disposal within the inventory storage room area, as shown in Figure 5. Cannabis and cannabis byproduct waste material would be made unusable and unrecognizable prior to leaving the facility by blending and incorporating it with non-cannabis organic material, organic-waste, organic-absorbents, or other means pursuant to the California Code of Regulations Title 16 Division 42. Organic cannabis waste would be transported in a secured waste receptacle by an authorized cannabis waste disposal contractor. Hazardous waste would be transported by a licensed hazardous waste company and disposed of at a permitted hazardous waste treatment, storage, and disposal facility. The operators of the facility would be required to submit a hazardous waste management plan in accordance with PRC and applicable state and local laws to the Manufacturing Cannabis Safety Branch of the California Department of Public Health. With required compliance with existing regulations, the project would not create a significant hazard to the public or environment and impacts would be less than significant.

LESS THAN SIGNIFICANT IMPACT

c. Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within 0.25 mile of an existing or proposed school?

The nearest school is El Puente Community School, approximately 530 feet southeast of the project site. As discussed under impacts a and b above, the project would not involve the routine transport, use or disposal of hazardous materials in quantities or conditions that would pose a hazard to nearby schools. Therefore, impacts from handling hazardous materials within 0.25 mile of a school would be less than significant.

LESS THAN SIGNIFICANT IMPACT

d. Would the project be located on a site that is included on a list of hazardous material sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?

Review of online sources, including the State Water Resources Control Board GeoTracker database and Department of Toxic Substances Control EnviroStor database determined that the project is not located on a hazardous materials site. There would be no impacts.

NO IMPACT

e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?

According to the City of Lompoc Airport Master Plan (LAMP), adopted July 1993, the project site is not located within the LAMP plan area (SBCAG 1993). The proposed project would not involve any uses that would direct light at an aircraft, cause sunlight to be reflected at an aircraft, generate smoke or otherwise affect safe air navigation, or generate electrical interference. In addition, the City's General Plan and proposed land uses and height restrictions have been reviewed for compliance with the LAMP. The existing building complies with applicable land use regulations, including height. Therefore, the project would be consistent with the LAMP and would not result in additional safety hazards for people residing or working in the project area.

NO IMPACT

f. Would the project impair implementation of, or physically interfere with, an adopted emergency response plan or emergency evacuation plan?

The project site is developed with an existing 8,000 square-foot warehouse building with existing paved roadway access that would not interfere with an emergency response plan or evacuation plan and route. No construction requiring lane closures, a traffic impact, would occur. The facility would be equipped with fire detection and alarm system with fire extinguishers provided throughout the facility and in the loading and unloading areas. The existing building is not equipped with fire sprinklers; however, sprinklers would be installed in Warehouse A as part of the project. The fire suppression system would be inspected monthly, and the facility monitored for fire by the third--party Segura Security Services. There would be no impacts to an emergency response or evacuation plan.

NO IMPACT

g. Would the project expose people or structures, either directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires?

As discussed in Section 19, *Wildfire*, the project site is not located near areas designated to have significant risks for wildland fires. There would be no impacts.

NO IMPACT

10 Hydrology and Water Quality

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:				
a. Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	□	■	□	□
b. Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	□	□	■	□
c. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:				
(i) Result in substantial erosion or siltation on- or off-site;	□	□	□	■
(ii) Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site;	□	□	□	■
(iii) Create or contribute runoff water which would exceed the capacity of existing or planned storm water drainage systems or provide substantial additional sources of polluted runoff; or	□	□	□	■
(iv) Impede or redirect flood flows?	□	□	□	■
d. In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	□	□	■	□
e. Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	□	□	■	□

a. Would the project violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?

Construction

The proposed project would involve re-use of the existing on-site building for a cannabis cultivation and processing operation. The project includes minor site improvements, including removal of an existing exterior block wall, installation of a new transformer pad, new concrete sidewalk and ramp along the western and northern exterior of the building, changes to the interior layout, construction of a new secured storage room at the northeast part of the existing warehouse, and installation of a new HVAC system. Project construction would not involve ground-disturbing activities or substantial use of heavy construction equipment. There would be no alteration of the existing drainage pattern of the site or activities that would cause soil erosion or increase sediment loads in storm water run-off resulting from exposed or disturbed soil. Therefore, impacts during construction would be less than significant.

Operation

The project site is developed with an existing 8,000 square-foot industrial building, parking lot, and driveway and is entirely impervious with the exception of existing landscaped areas. The project would not increase the total area of impervious surfaces on the project site and would not result in a greater potential to introduce pollutants to receiving waters.

Operation of the cultivation facility would use and discharge water into the City's wastewater system. The project would also be subject to Lompoc Municipal Code (LMC) Chapter 13.32 Storm Water Quality Management, which addresses discharge prohibitions regulations, authority to inspect, and enforcement of storm water quality violations.

Lompoc's water has higher levels of salts and Lompoc's Regional Wastewater Reclamation Plant is currently just below its waste discharge limit for sodium and TDS. If brine were discharged into the wastewater system this could cause a potential exceedance of water quality standards in surface and subsequently in lower basin groundwater. In addition, discharge of brine or filtration water to the City's storm drain system would have the potential to cause impacts to surface and ground water quality. Therefore, impacts to water quality would be potentially significant and would require mitigation.

Mitigation Measures

HWQ-1 Discharge Requirements

Brine used in or generated from the project shall not be discharged to Lompoc's Wastewater Reclamation Plant through the City's sanitary sewer system or discharged to Lompoc's Storm Drain System. If the project will require the disposal of brine water, the applicant shall provide a disposal plan to the City Utilities Department prior to certificate of occupancy. Non-domestic wastewater from this project that will be discharged to the Lompoc Wastewater Reclamation Plant will comply with all applicable requirements of the LMC Chapter 13.16 (Sewer System) and the conditions of any wastewater discharge permit issued by the City.

Significance After Mitigation

Implementation of Mitigation Measure HWQ-1 would reduce project-related impacts to water quality. Impacts would be less than significant with mitigation incorporated.

LESS THAN SIGNIFICANT WITH MITIGATION INCORPORATED

b. Would the project substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?

The City of Lompoc Water Division would provide water to the project site primarily through pumping of groundwater from the Lompoc Plain Basin. As discussed in the 2020 Urban Water Management Plan (UWMP), the City is committed to the sustainable management of groundwater and must implement its Groundwater Management Plan (City of Lompoc 2021a). As discussed in Chapter 7, Water Service Reliability and Drought Risk Assessment of the UWMP, the City expects to meet water demands under normal, single-dry, and five-consecutive year drought conditions. In addition, As discussed in Section 19, *Utilities and Service Systems*, the Water Division has sufficient supplies to service the project during normal and dry years. Therefore, water demand from the project would not substantially deplete groundwater supply.

Development under the proposed project would not include installation of new groundwater wells or use of groundwater from existing wells. The project would not increase impervious surfaces since the site is building and site are already developed. Therefore, the proposed project would not substantially interfere with groundwater recharge. Impacts related to groundwater would be less than significant.

LESS THAN SIGNIFICANT IMPACT

c.(i) Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would result in substantial erosion or siltation on- or off-site?

c.(ii) Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?

c.(iii) Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner that would create or contribute runoff water which would exceed the capacity of existing or planned storm water drainage systems or provide substantial additional sources of polluted runoff?

c.(iv) Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would impede or redirect flood flows?

The project site is currently developed and consists of entirely impermeable surfaces with the exception of existing landscaped areas. The project would not change existing drainage patterns. Additionally, the project site is located outside of FEMA designated flood zones, in Zone X which is considered an area of minimal flood hazard (FEMA 2012). There would be no impacts to drainage patterns.

NO IMPACT

d. In flood hazard, tsunami, or seiche zones, would the project risk release of pollutants due to project inundation?

The project site is located approximately ten miles from the coast and in a relatively flat area with no large bodies of water nearby. Impacts from tsunami or a seiche are not expected. According to the Federal Emergency Management Agency (FEMA), Flood Insurance Rate Map No. 06083C0736G, the project site is located in Zone X which is considered an area of minimal flood hazard and is outside of FEMA designated flood zones (FEMA 2012). Due to the minimal flood risk, impacts from the release of pollutants would be less than significant.

LESS THAN SIGNIFICANT IMPACT

f. Would the project conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

The project would be required comply with applicable regional and City regulations related to water quality and would not result in a significant impact on water quality in the area during operation. In addition, the project would be conditioned to properly dispose of process water and salts, pursuant to applicable laws and wastewater pretreatment requirements and prohibitions. In addition to the Standard City of Lompoc condition, implementation of Mitigation Measure HWQ-1 would reduce project-related impacts to water quality. Therefore, the project would not conflict with or obstruct implementation of the Central Coast RWQCB Water Quality Control Plan.

The project site is located in the western management area of the Santa Ynez River Valley Groundwater Basin, which is a medium priority basin under the Sustainable Groundwater Management Act (SYRVGB 2022). As discussed under Impact b, the project would not impact groundwater supplies or the sustainable management of groundwater in the area. Therefore, the project would not conflict with or obstruct implementation of a sustainable groundwater management plan.

LESS THAN SIGNIFICANT IMPACT

11 Land Use and Planning

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:				
a. Physically divide an established community?	□	□	□	■
b. Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	□	□	■	□

a. Would the project physically divide an established community?

The proposed project involves the use of a portion of an existing industrial building for a commercial cannabis cultivation, processing, and distribution operation. The project site is entirely developed with an existing 8,000 square-foot industrial building, parking lot, and driveway and located within the existing City limits in an urbanized area of the City of Lompoc. The project site is surrounded by industrial uses to the north, east, and south as well as single family neighborhoods to the west. The project does not include new roadways or similar linear features that would block movement between, or within, established communities, and would not separate connected land uses, neighborhoods, or other areas from each other. No impacts would occur.

NO IMPACT

b. Would the project cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?

Lompoc General Plan

The project site has a land use designation of Industrial (I). As described in the City's General Plan, the I designation is applied for a wide range of industrial uses including outdoor uses. Typical uses and activities identified include industrial services, warehousing, manufacturing, assembling, mechanical repair, product storage, wholesale trade, heavy commercial, and accessory office and services (City of Lompoc 2011a). The proposed cannabis facility would be consistent with industrial services and warehouse type uses allowed under the I land use designation. Development standards under the I designation include a maximum floor area ratio (FAR) of 0.75 (City of Lompoc 2011a). The existing structure with the proposed 160 square-foot addition would have a FAR of 0.26. Therefore, the project would be consistent with the parcel's General Plan designation.

The City's General Plan identifies goals and policies to guide land use patterns to strategically accommodate future growth while preserving and enhancing the City as a whole. The proposed project's consistency with the City's applicable land use policies is described in Table 10.

Table 10 General Plan Land Use Element Consistency

General Plan Goal or Policy	Proposed Project Consistency
Police 2.2. The City shall protect residential neighborhoods from encroachment by adverse or incompatible non-residential uses (for example, new intensive agriculture or industry) and impacts associated with non-residential uses, including impacts to neighborhood character and public health	**Consistent.** The project would be consistent with the site's land use and zoning designations. As described throughout this document, specifically related to air quality, noise, and hazards and hazardous materials, the project would not result in significant impacts to nearby residences.
Policy 3.1. The City shall ensure that a sufficient and balanced supply of land continues to be available for residential, commercial, and industrial uses, with priority given to underdeveloped and vacant land within the City boundaries.	**Consistent.** The project would be consistent with the site's land use designation and would retain the use of the site as an industrial land use.
Policy 3.3. The City shall protect existing commercially- and industrially designated lands to ensure adequate space for non-residential development, to attract new business and employment centers, and to help achieve a jobs to housing balance in the City.	**Consistent.** The project would continue the existing industrial use consistent with the City's land use plan.

Lompoc Zoning Ordinance

The project site is zoned Industrial (I), which permits cannabis cultivation, manufacturing, and testing uses as shown in Table 17.216.030A of the LMC. The project would comply with zoning regulations for the I zone. The existing structure is approximately 19 feet in height, consistent with building standards of the I zone of a maximum height of 35 feet (City of Lompoc 2021b). The structure would have screening for rooftop mechanical equipment up to approximately 25 feet in height, which is permitted pursuant to LMC 17.312.040. The project would not conflict with the City's General Plan or zoning ordinance. Impacts would be less than significant.

LESS THAN SIGNIFICANT IMPACT

12 Mineral Resources

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:				
a. Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	□	□	□	■
b. Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?	□	□	□	■

a. Would the project result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?

b. Would the project result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?

The project site is not located near known material mineral resources and development of the project site would not result in a loss of availability of a locally important or known mineral resource, as mapped by the California Geologic Survey's Mineral Land Classification (DOC 2015). No impact would occur.

NO IMPACT

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13 Noise

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project result in:				
a. Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	□	□	■	□
b. Generation of excessive groundborne vibration or groundborne noise levels?	□	□	■	□
c. For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	□	□	□	■

Overview of Sound Measurement

Sound is a vibratory disturbance created by a moving or vibrating source, which is capable of being detected by the hearing organs. Noise is defined as sound that is loud, unpleasant, unexpected, or undesired and may therefore be classified as a more specific group of sounds. The effects of noise on people can include general annoyance, interference with speech communication, sleep disturbance, and, in the extreme, hearing impairment (California Department of Transportation [Caltrans] 2013). Noise levels are commonly measured in decibels (dB) using the A-weighted sound pressure level (dBA).

Vibration

While people have varying sensitivities to vibrations at different frequencies, in general they are most sensitive to low-frequency vibration. Vibration in buildings, such as from nearby construction activities, may cause windows, items on shelves, and pictures on walls to rattle. Vibration of building components can also take the form of an audible low-frequency rumbling noise, referred to as groundborne noise. Groundborne noise is usually only a problem when the originating vibration spectrum is dominated by frequencies in the upper end of the range (60 to 200 Hz), or when foundations or utilities, such as sewer and water pipes, physically connect the structure and the vibration source (Federal Transit Administration [FTA] 2018). Although groundborne vibration is sometimes noticeable in outdoor environments, it is almost never annoying to people who are

outdoors. The primary concern from vibration is that it can be intrusive and annoying to building occupants and vibration-sensitive land uses.

Sensitive Noise Receivers

Noise exposure goals for various types of land uses reflect the varying noise sensitivities associated with those uses. According to the City of Lompoc Noise Element, the following land uses are considered noise-sensitive: residences, schools, hotels/motels, and open space (City of Lompoc 2011a).

Vibration-sensitive receivers, which are similar to noise-sensitive receivers, include residences, schools, hospitals, guest lodging, libraries, and some passive recreation areas. Vibration-sensitive receivers also include buildings where vibrations may interfere with vibration-sensitive equipment that is affected by vibration levels that may be well below those associated with human annoyance (e.g., recording studies or medical facilities with sensitive equipment).

The nearest sensitive receivers include the single-family residences approximately 150 feet from the project site.

Noise Setting and Thresholds

Noise in the project vicinity is dominated by vehicle traffic noise on East Laurel Avenue and noise from light industrial and commercial businesses along Seventh Street. According to Figure N-1 of the General Plan Noise Element, 65 dB noise level contours in an area of Seventh Avenue near and comparable to the project area extends 88 feet from the roadway centerline (City of Lompoc 2011a). The roadway centerline is approximately 81 feet from the project boundary. Per the City's General Plan Noise Element's Noise Level Contours, a small portion of the project site and nearby residences are within an area with 65 dB roadway noise (City of Lompoc, 2011a).

The Noise Element contained in the City's General Plan contains noise guidelines and policies that establish acceptable noise levels for different land uses. The General Plan states that the maximum exterior sound level acceptable in manufacturing/industrial land uses are 65 Day-Night average level (L_{dn}) for interior noise and 75 L_{dn} for exterior noise and 45 L_{dn} for interior noise and 60 L_{dn} for exterior noise for nearby residential uses.

a. Would the project result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance?

Construction Noise

The proposed project involves the use of a portion of an existing industrial building for a commercial cannabis cultivation, processing, and distribution operation. The project would use an existing building with minor exterior and interior improvements, which would not require the substantial use of heavy construction equipment. No Construction would occur between the hours of 9 PM and 7 AM, consistent with Section 8.08.030 of the Lompoc Municipal Code (City of Lompoc 2021b). Construction noise would be less than significant.

Operation

Stationary Noise Sources

Noise sources associated with operation of the proposed project would consist of low speed on-site vehicular noise, landscaping maintenance, general conversations, and outdoor mechanical equipment (e.g., rooftop air conditioning units/heat pump). The nearest single-family residences are located across N Seventh Street from the project site, approximately 150 feet west, and the site is otherwise surrounded by other commercial and industrial development. Due to the low noise levels associated with general site activities, on-site traffic, and landscape maintenance, these sources would not be substantial. The project would also have noise associated with outdoor mechanical equipment. The project would have nine roof-mounted air conditioning units and one heat pump. According to the specifications of the air conditioning units and heat pump, the maximum sound level from both at approximately 6 feet would be 65 dBA and at 9 feet would be 61 dBA (Armstrong Air 2019). In addition, a 5'8" metal roof screening wall would further reduce noise from the equipment. Generally, any large structure blocking the line of sight will provide at least a 5-dBA reduction in source noise levels at the receiver (Federal Highway Administration [FHWA] 2011). At 150 feet from the project site, the equipment would not exceed the City's exterior noise levels of 60 dBA at the nearby residences. As the noise levels would dissipate by approximately 4 dBA every four feet, the noise levels at the nearest residence would be approximately 32 dBA and would be below the City's interior noise level of 45 dBA. Assuming the equipment are running during the day and night, the resulting Day-Night average level (L_{dn}) is approximately 39 L_{dn}, which is less than the compatibility levels in the City's General Plan. Noise generated by outdoor equipment would be less than significant.

Traffic

Traffic is the main noise source in the area around the project site. A significant impact would occur if project-related traffic increases the ambient noise by 5 dBA or more in the City of Lompoc.

According to the Transportation and Circulation section in the 2030 General Plan EIR, Laurel Avenue has approximately 621 daily trips (Lompoc 2011b). According to the International Transportation Engineers) ITE Trip Generation Manual, 11th Edition, the project could add approximately 20 daily trips to the area. According to the Federal Highway Administration (FHA), the doubling of a noise source produces a 3 dB increase in sound levels (DOT 2017). The project could increase traffic by approximately 20 daily trips, which represents 3.2 percent of the existing daily trips on the adjacent roadway. Therefore, traffic noise associated with the vehicle trips to the project site would not result in a substantial increase in ambient noise level and impacts would be less than significant.

LESS THAN SIGNIFICANT IMPACT

b. Would the project result in generation of excessive groundborne vibration or groundborne noise levels?

The project would involve minor site improvements and building modification which would not require the substantial use of heavy construction equipment that generates excessive vibration. In addition, the project does not include any substantial vibration sources associated with operation. Construction and operational vibration impacts would be less than significant.

LESS THAN SIGNIFICANT IMPACT

c. For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

Lompoc City Airport is the nearest public airport, located approximately 1.9 miles to the northwest of the project site. According to the Lompoc Airport Master Plan (LAMP), adopted July 1993, the project site is located outside the airport's noise exposure ranges (SBCAG 1993). No substantial noise exposure from airport noise would occur to construction workers or employees of the project, and no impacts would occur.

NO IMPACT

14 Population and Housing

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:				
a. Induce substantial unplanned population growth in an area, either directly (e.g., by proposing new homes and businesses) or indirectly (e.g., through extension of roads or other infrastructure)?	□	□	■	□
b. Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	□	□	□	■

a. Would the project induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

The proposed project does not involve the construction of new housing which would lead to a direct population increase. The project would include a cannabis cultivation, processing, and distribution facility that would employ up to 18 employees. The increase in employment opportunities would not result in a substantial increase in population, as it is anticipated that most employees would come from the regional workforce. Therefore, the project is not anticipated to induce substantial population growth and impacts would be less than significant.

LESS THAN SIGNIFICANT IMPACT

b. Would the project displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?

There is no housing on the project site. The project would not displace people or housing, necessitating the construction of replacement housing elsewhere. Therefore, there would be no impact.

NO IMPACT

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15 Public Services

		Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a.	Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, or the need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
1	Fire protection?	□	□	■	□
2	Police protection?	□	□	■	□
3	Schools?	□	□	■	□
4	Parks?	□	□	■	□
5	Other public facilities?	□	□	■	□

a.1. Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered fire protection facilities, or the need for new or physically altered fire protection facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives?

The Lompoc Fire Department would provide fire protection and emergency services to the project site. The nearest fire station to the site is Lompoc Fire Station #1, which is approximately one mile southwest of the project site at 115 South G Street. Fire Station #2, approximately 1.1 miles northwest of the project site at 1100 North D Street, would provide secondary response services.

The project would involve establishing a cannabis facility within a portion of an existing 8,000 square-foot structure which would incrementally increase the demand for fire and emergency response services in the area because the existing industrial building is currently vacant. However, the project site is located in a developed, industrial area already served by Lompoc Fire Department. In addition, the City of Lompoc adopted the most recent California Fire and Building Codes in LMC Title 15, and the project would be required to comply with requirements for fire access and on-site fire prevention facilities. The development proposed cannabis facility would be consistent with surrounding uses and would not place an unanticipated burden on fire protection services or affect response times or service ratios such that new or expanded fire facilities would be needed. Impacts on fire services would be less than significant.

LESS THAN SIGNIFICANT IMPACT

a.2. Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered police protection facilities, or the need for new or physically altered police protection facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives?

The Lompoc Police Department would provide law enforcement and safety services to the project site. The Lompoc Police Department is located approximately two miles southeast of the project site at 107 Civic Center Plaza. As discussed under Impact a.1. above, the project involves the use of a portion of an existing 8,000 square-foot industrial building as a cannabis facility which would potentially increase the demand for police services in the area as the existing industrial building is currently vacant and cannabis facilities could generate police service calls such as for burglaries and thefts. The project is consistent with the existing land use designation, which was envisioned for future light industrial development in the City's General Plan. In addition, the project would have a 72 square-foot security room located near the entrance to the building to check persons entering the site as well as 24-hour security personnel on-site every day, which would help reduce potential security risk from the cannabis use and reduce the demand on police services. Therefore, the project would not require the construction or expansion of police protection facilities beyond those already planned under General Plan assumptions. Impacts on police services would be less than significant.

LESS THAN SIGNIFICANT IMPACT

a.3. Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered schools, or the need for new or physically altered schools, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios or other performance objectives?

Schools in Lompoc are in the Lompoc Unified School District. The proposed cannabis facility does not include housing units that would directly increase the student population in the city and impact Lompoc Unified School District. As discussed in Section 14, *Population and Housing*, the project would require approximately 18 employees which would likely be drawn from the local population. Though some employees may relocate to the area as a result of job opportunities, there would not be a significant increase of students from relocated employees. Impacts on schools would be less than significant.

LESS THAN SIGNIFICANT IMPACT

a.4. Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered parks, or the need for new or physically altered parks, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios or other performance objectives?

Please see Section 16, *Recreation*, for an analysis of impacts related to parks and recreation resources. Impacts would be less than significant.

LESS THAN SIGNIFICANT IMPACT

a.5. Would the project result in substantial adverse physical impacts associated with the provision of other new or physically altered public facilities, or the need for other new or physically altered public facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives?

The project would require approximately 18 employees which would likely be drawn from the local population. Though some employees may relocate to the area as a result of job opportunities resulting from the proposed project, a substantial change increase population from relocated employees would not occur. Impacts from an increase demand on public facilities would be less than significant.

LESS THAN SIGNIFICANT IMPACT

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16 Recreation

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a. Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	□	□	■	□
b. Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	□	□	■	□

a. Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?

b. Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?

The nearest recreation facilities to the project site include Pioneer Park 0.33 miles northwest, Johns-Manville Park 0.52 miles west, and River Bend Park 0.31 miles east of the project site. The proposed project would require approximately 18 employees that would likely be drawn from the local population. Therefore, the project would not result in a significant increase in use of recreation facilities or require the construction of new facilities. The proposed project would not have an impact on recreational facilities.

LESS THAN SIGNIFICANT IMPACT

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17 Transportation

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:				
a. Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?	□	□	□	■
b. Conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?	□	□	■	□
c. Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible use (e.g., farm equipment)?	□	□	■	□
d. Result in inadequate emergency access?	□	□	■	□

Transportation Regulatory Setting

Senate Bill 743 and Vehicle Miles Traveled

Senate Bill (SB) 743 was signed into law by Governor Brown in 2013 and tasked the State Office of Planning and Research (OPR) with establishing new criteria for determining the significance of transportation impacts under the California Environmental Quality Act (CEQA). SB 743 requires the new criteria to "promote the reduction of greenhouse gas emissions, the development of multimodal transportation networks, and a diversity of land uses." It also states that alternative measures of transportation impacts may include "vehicle miles traveled, vehicle miles traveled per capita, automobile trip generation rates, or automobile trips generated."

On September 27, 2013, California Governor Jerry Brown signed SB 743 into law and started a process that changes transportation impact analysis as part of CEQA compliance. SB 743 requires the Governor's OPR to identify new metrics for identifying and mitigating transportation impacts within CEQA. In January 2018, OPR transmitted its proposed CEQA Guidelines implementing SB 743 to the California Natural Resources Agency for adoption, and in January 2019 the Natural Resources Agency finalized updates to the CEQA Guidelines, which incorporated SB 743 modifications, and are now in effect. SB 743 changed the way that public agencies evaluate the transportation impacts of projects under CEQA, recognizing that roadway congestion, while an inconvenience to drivers, is not itself an environmental impact (Public Resource Code, § 21099 (b)(2)). In addition to new exemptions for projects consistent with specific plans, the CEQA Guidelines replaced congestion-based metrics, such as auto delay and level of service (LOS), with vehicle miles traveled (VMT) as the basis for determining significant impacts, unless the Guidelines provide specific exceptions.

CEQA Guidelines Section 15064.3(b) indicates that land use projects would have a significant impact if the project resulted in VMT exceeding an applicable threshold of significance. On August 17, 2021, the City of Lompoc adopted Resolution No. 6445(21) which outlines CEQA VMT analysis screening criteria and thresholds for determining VMT impacts. Projects that exceed 8.6 VMT/employee or 15 percent below baseline regional average for industrial/warehouse/manufacturing employment would have a significant impact under CEQA (City of Lompoc 2021c).

a. Would the project conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?

Transit, Bicycle, and Pedestrian Facilities

The project site is located near City of Lompoc Transit (COLT) Route 1, with the nearest bus stop located on East Chestnut Court, approximately 450 feet from the project site. The project would not degrade local access to the bus stop on East Chestnut Court, which can be accessed via the local sidewalk network. In addition, the project would not result in a substantial increase in population growth which would place significant demand on COLT. Therefore, implementation of the project would not conflict with plans, programs, and policies regarding transit facilities.

The project vicinity includes sidewalks along the western and southern property boundary as well as north and south of the project site along 7th Street and on the north side of Laurel Avenue. The project would not involve changes to the sidewalk network. There are no bike lanes along Laurel Avenue or 7th Street within the vicinity of the project site. According to the City's Pedestrian and Bicycle Master Plan, the City has identified a sidewalk infill project (Project Rank 38) on Laurel Avenue from 7th Street to 12th Street, across from the project site (City of Lompoc 2020a). Implementation of the project would not conflict with the improvement project or plans, programs, or policies addressing transit, bicycle, or pedestrian facilities. There would be no impacts.

NO IMPACT

b. Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?

Pursuant to the City's Vehicle Miles Traveled (VMT) Analysis Guidelines, there are specific projects that are exempt from VMT analysis which include:

- The proposed activity is not a project under CEQA
- The project is exempt from CEQA
- The City's discretionary approval and/or CEQA review is focused and does not involve transportation issues

The proposed project is a new use that would be established in an existing building. The project meets CEQA Categorical Exemption Class 1, 15031 Existing Facilities, and Class 3, 15033 New Construction or Conversion of Small Structures. Therefore, the project is exempt from VMT analysis pursuant to the City of Lompoc VMT Analysis Guidelines. In addition, according to the Office of Planning and Research (OPR) Technical Advisory, projects that generate fewer than 110 trips per day can be assumed to have a less than significant transportation impact (OPR 2018). The project would generate approximately 19 daily trips. Impacts would be less than significant.

LESS THAN SIGNIFICANT IMPACT

c. Would the project substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible use (e.g., farm equipment)?

The proposed cannabis facility would be compatible with the industrial uses in the surrounding area. Site access would be provided through the existing driveway off of West Laurel Avenue on the south side of the project site, as shown in Figure 3. Laurel Avenue is generally flat and does not have obstructions that would affect safe ingress/egress to the site. Also, the cannabis facility would not require the use of large trucks for deliveries and shipping. Therefore, the project would not increase hazards due to a design feature and impacts would be less than significant.

LESS THAN SIGNIFICANT IMPACT

d. Would the project result in inadequate emergency access?

Emergency access would be provided off Laurel Avenue at the southern boundary of the project site. In addition, project site ingress/egress locations are subject to the City Public Works and Fire Department review and approval, which would ensure that the project would provide adequate access for emergency vehicles. Impacts to emergency access would be less than significant.

LESS THAN SIGNIFICANT IMPACT

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18 Tribal Cultural Resources

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in a Public Resources Code Section 21074 as either a site, feature, place, or cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
a. Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k), or	□	□	□	■
b. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	□	□	□	■

Tribal Cultural Resources Setting

As of July 1, 2015, California Assembly Bill 52 of 2014 (AB 52) was enacted and expands CEQA by defining a new resource category, "tribal cultural resources." AB 52 establishes that "A project with an effect that may cause a substantial adverse change in the significance of a tribal cultural resource is a project that may have a significant effect on the environment" (PRC Section 21084.2). It further states that the lead agency shall establish measures to avoid impacts that would alter the significant characteristics of a tribal cultural resource, when feasible (PRC Section 21084.3). PRC Section 21074 (a)(1)(A) and (B) defines tribal cultural resources as "sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a California Native American tribe" and is:

1. Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or
2. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying these criteria, the lead agency shall consider the significance of the resource to a California Native American tribe.

The consultation process must be completed before a CEQA document can be certified. Under AB 52, lead agencies are required to "begin consultation with a California Native American tribe that is traditionally and culturally affiliated with the geographic area of the proposed project." Native American tribes to be included in the process are those that have requested notice of projects proposed within the jurisdiction of the lead agency.

a. *Would the project cause a substantial adverse change in the significance of a tribal cultural resource as defined in Public Resources Code Section 21074 that is listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k)?*

b. *Would the project cause a substantial adverse change in the significance of a tribal cultural resource as defined in Public Resources Code 21074 that is a resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1?*

On April 24, 2022, the City of Lompoc mailed notification letters to the NAHC contact list for the project site. Crystal Mendoza of the Santa Ynez Band of Chumash Indians responded on May 31, 2022 stating the Elder's Council requests no further consultation on the project. No other tribes responded to the letter. No further consultation was required under AB 52. Correspondence is included in Appendix C.

The project would not involve ground disturbing activities which could impact subsurface archaeological and tribal resources. Therefore, there would be no impacts to tribal cultural resources.

NO IMPACT

19 Utilities and Service Systems

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:				
a. Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	□	□	■	□
b. Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?	□	□	■	□
c. Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	□	□	□	■
d. Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	□	□	■	□
e. Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	□	□	□	■

a. Would the project require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?

The City of Lompoc provides utilities to the community, including water, electric, wastewater, solid waste collection and landfill, and broadband services. The City's Electric Division secures electricity through the Northern California Power Agency (NCPA), a joint powers authority. Wastewater service is provided through the Wastewater Utility's Regional Reclamation Plant. The City of Lompoc also provides solid waste collection services and operates the Lompoc Landfill. Natural gas is provided by the Southern California Gas Company and telecommunication services are supplied by providers such

as AT&T and T-Mobile. Additionally, the City provides optional broadband services through LompocNet.

The proposed project involves the use of a portion of an existing industrial building for a commercial cannabis cultivation, processing, and distribution operation. The project site is located in the eastern area of the City of Lompoc within a fully urbanized area with existing utility infrastructure in place. The proposed project would not involve the construction or expansion of water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities as the site has existing utility connections and is already served by the associated utility providers. Therefore, impacts are less than significant.

LESS THAN SIGNIFICANT IMPACT

b. Would the project have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?

The project site is currently served by existing water infrastructure and is connected to existing water systems which would continue to serve the project site. The City of Lompoc would supply water to the project site for irrigation, processing, and domestic use.

The 2020 Urban Water Management Plan analyzed future water demand through the year 2045 and predicted water use would increase due to increases in population and employment, as well as from growth of the cannabis industry. The City's existing and planned source of water is entirely provided by groundwater from the Lompoc Plain portion of the Santa Ynez River Valley Groundwater Basin (SYRVGB) through 10 wells located in the east and northeast part of the city. The City anticipates having adequate water supply under normal, single-dry, and five-year consecutive drought scenarios and will continue to implement water conservation measures to ensure future water supply reliability (City of Lompoc 2021a).

The water supply analysis in the 2020 Urban Water Management Plan demonstrates there would be sufficient water supply to support the proposed project as the project would be located in an existing building with existing water connections employees would not result in a significant increase in residents. Furthermore, the water supply analysis accommodates for increases in water demand due to new cannabis operations, therefore the analysis adequately accounts for water demands of the proposed cannabis facility. Therefore, impacts to water supply would be less than significant.

LESS THAN SIGNIFICANT IMPACT

c. Would the project result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?

The City owns and operates the Lompoc Regional Wastewater Reclamation Plant (LRWRP) which treats wastewater from Lompoc, Vandenberg Village Community Services District, and Vandenberg Air Force Base. The LRWRP has a peak dry-weather flow of 9.5 MGD and peak wet-weather capacity of 15 MGD (City of Lompoc 2021a).

The project site is currently served by existing wastewater infrastructure and is connected to the City's wastewater system which would continue to serve the project site. The project would produce approximately 1,267 gallons per day of wastewater, which equals about 0.01 percent of the LRWRP's total peak dry-weather flow. The project would not result in a substantial increase in wastewater

generation and would not exceed the LRWRP's wastewater treatment capacity. There would be no impact.

NO IMPACT

d. Would the project generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?

The project site is serviced by the City of Lompoc's solid waste collection services and Lompoc Landfill. Recycling of construction materials will be required, and commercial recycling is available. The majority of waste generated by the proposed project would be cannabis waste mixed with non-cannabis materials suitable for composting or grinding as green waste and would be diverted to these waste streams. Therefore, the proposed project would not generate solid waste in excess of state or local standards, or in excess of the capacity of the local landfill, or otherwise impair the attainment of Solid Waste reduction goals. In addition, the Lompoc Landfill has a remaining capacity of 2,146,779 cubic yards which can accommodate waste by the proposed project (CalRecycle 2019). Impacts would be less than significant.

LESS THAN SIGNIFICANT IMPACT

e. Would the project comply with federal, state, and local management and reduction statutes and regulations related to solid waste?

The proposed project will be required to comply with federal, state, and local management and reduction statutes and regulations related to solid waste, recycling and construction recycling, including SB 1016, AB 1826, and AB 341. There is adequate capacity in the Lompoc Regional Landfill to accept the waste that will be directed there. Recycling of construction materials would be required, and commercial recycling is available. Additionally, the majority of the waste generated from the site would be cannabis waste mixed with non-cannabis materials suitable for composting or grinding as green waste and will be diverted to these waste streams. There would be no impacts related to conflicts with solid waste reduction measures.

NO IMPACT

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20 Wildfire

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:				
a. Substantially impair an adopted emergency response plan or emergency evacuation plan?	□	□	□	■
b. Due to slope, prevailing winds, and other factors, exacerbate wildfire risks and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	□	□	□	■
c. Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	□	□	□	■
d. Expose people or structures to significant risks, including downslopes or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	□	□	□	■

a. If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project substantially impair an adopted emergency response plan or emergency evacuation plan?

b. If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project, due to slope, prevailing winds, and other factors, exacerbate wildfire risks and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?

c. If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?

d. If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project expose people or structures to significant risks, including downslopes or

downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?

The project site is not located within, or near, a Very High Fire Hazard Severity Zone or state responsibility area. The nearest Very High Fire Hazard Severity Zone is located approximately 0.3 miles south of State Route 246 and east of State Route 1 (City of Lompoc 2011a, Figure S-2). Because the site is not within or near a state responsibility area or a Very High Fire Hazard Severity Zone, no impacts related to wildfires would occur.

NO IMPACT

21 Mandatory Findings of Significance

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Does the project:				
a. Have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	□	■	□	□
b. Have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?	□	■	□	□
c. Have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	□	□	■	□

a. Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?

Based on the analysis provided throughout this Initial Study, implementation of the proposed project would not substantially degrade the quality of the environment and would not substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of rare or endangered plants or animals, or eliminate important examples of California history or prehistory. Biological resources are addressed in Section 4, Biological Resources. The proposed project would not substantially reduce wildlife habitat or population. Based on the ability of the

identified mitigation measures to reduce potential impacts to less than significant levels, the proposed project's impacts would be less than significant with mitigation incorporated.

LESS THAN SIGNIFICANT WITH MITIGATION INCORPORATED

b. Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?

Cumulative impacts associated with some of the resource areas are addressed in the individual resource sections above, such as Energy Use, Greenhouse Gases, Electric, Water, Wastewater and Solid Waste [CEQA Guidelines Section 15064(h)].

Based on SBCAPCD thresholds, a project would have a significant cumulative air quality impact if it is inconsistent with the applicable adopted federal and state air quality plans. The project is consistent with the Clean Air Plan and would not exceed criteria pollutant emission thresholds or result in a cumulatively considerable contribution to air quality impacts. Therefore, the project's criteria pollutant emissions would not be cumulatively considerable. Odor emission impacts of the proposed project would also be less than significant with the implementation of the Odor Control Plan and Mitigation Measure AQ-1. A similar indoor cannabis facility is being proposed in the other adjacent warehouse approximately 100 feet to the east of the proposed facility at 1551 East Laurel Avenue. The other project located at 1551 East Laurel Avenue is for a cannabis non-storefront dispensary within an existing industrial building. As the proposed project, this facility would also have potential odors from cannabis products. The 1551 East Laurel project does not include cannabis growing which are the main activities associated with generating odors. This facility would also be required to implement odor control devices to prevent odors from being detected off-site. In addition, the City has an online log for residents to report any potential cannabis odors which would be reported to the City's third-party inspector. The inspector would determine if the cannabis facility compliance with off-site odor requirements and if the facility needs to implement maintenance of equipment or add additional odor control measures to ensure odors are not detected off-site. This would reduce potential cumulative cannabis odor impacts to less than significant.

Greenhouse Gas emissions are cumulative in nature and as discussed in the Greenhouse Gas Emission section above, impacts would be less than significant. The City of Lompoc's Water and Wastewater Divisions have sufficient existing water supplies and capacity to accommodate cumulative development in addition to the project. The project would incrementally increase noise in the vicinity but would comply with LMC standards for construction and would not exceed noise thresholds. The cannabis facility being proposed in the other adjacent warehouse approximately 100 feet to the east of the proposed facility would also not require heavy construction equipment for construction. Noise from operation of the adjacent project would not lead to cumulative noise impacts as it would be further away from existing residences and would not require as much outdoor mechanical equipment from growing cannabis. In addition, the project would incrementally increase traffic compared to existing conditions. However, the project would not lead to a significant cumulative increase in VMT as it is below VMT thresholds.

Although incremental changes in certain issue areas would occur as a result of the project, development of the site under the proposed project would be consistent with existing general plan goals, programs, and policies, and zoning ordinance requirements for the proposed light industrial development. The proposed project is consistent with the City's General Plan designation. Other issues (e.g., Geology/Soils, Hazards and Hazardous Materials) are by their nature project-specific and

impacts at one location do not add to impacts at other locations or create additive impacts. Therefore, the impacts of development of the site under the proposed project would be individually limited and not cumulatively considerable.

The Trichome Factory, LCC Cannabis Facility project is a similar indoor cannabis cultivation facility that is being proposed approximately 1.5 miles west of the project site. Similar to this project, the Trichome Factory, LCC Cannabis Facility project is consistent with the City's General Plan Designation and would not lead to a significant cumulative increase in VMT. Air Quality impacts of the Trichome Factory, LLC Cannabis Facility would not be cumulative considerable. Due to the distance and dissipation of odors, odor impacts from both facilities would also not be cumulative. Noise impacts from construction and operation of the Trichome Factory, LCC Cannabis Facility project would also less than significant and are far enough away to not be cumulative considerable with the proposed project. Construction activities from both projects may occur at the same time. However, noise rapidly attenuates due to the effects of distance, intervening structures, and topography that block the line of sight, and the Trichome Factory, LCC Cannabis Facility project is located further away from sensitive receivers to the east than the proposed project. In addition, both project's contribution to cumulative off-site traffic noise would be well below the criterion for traffic noise impacts. Therefore, the proposed project would not result in a significant contribution to cumulatively considerable impacts, and impacts would be less than significant with mitigation incorporated.

LESS THAN SIGNIFICANT IMPACT

c. Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?

Effects on human beings are generally associated with impacts related to such issue areas as air quality, geology and soils, hazards, hydrology and water quality, noise, and traffic safety. Potential impacts associated with air quality, geology and soils, hazards, hydrology and water quality, noise, and traffic safety would be less than significant. Mitigation Measure AQ-1 has been designed to reduce potential air quality odor impacts. Therefore, the project would not cause substantial adverse effects on human beings, either directly or indirectly.

LESS THAN SIGNIFICANT IMPACT

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List of Preparers

Rincon Consultants, Inc. prepared this IS-MND under contract to, and with assistance from, the City of Lompoc. Persons involved in data gathering analysis, project management, and quality control are listed below.

RINCON CONSULTANTS, INC.

Richard Daulton, Principal
Ryan Russell, Project Manager
Leeza Segal, Associate Planner

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Appendix A

Air Quality and Greenhouse Gas Modeling

Red Eye Kite
Assumptions

		Sq Ft	Ksf	acre		
Existing						
	warehouse	4000	4	0.72		
Upgrades						
	existing warehouse	4000	4	0.69		
	New additions	160	0.16			
	Generator pad	62.5	0.06	0.03		
	Transformer pad	60.625	0.06			
	AC (restriping parking spaces)				16	spaces
	Block wall removal				~20	foot long
	Building Height	19	feet			
Employees		18	max			

Construction Assumptions

Existing warehouse Upgrades All internal upgrades would require no diesel equipment.

New Addition

		sqft	spaces
Demolition	50'x8'	400	
	70'x5'	350	
	5'x100'	500	
		62.5	
		60.625	
		1,373	
Grading		**1,250**	
BC		160	
AC		0.16	
AC (Paving)		384	16

Operational Assumptions

Hours of operation	9:00 AM	9:00 PM	Monday through Saturday	
Max employees	18			

Trips and VMT	18	employees			
	45	daily trips			
Vendors	2	trucks per day			
	4	trips per day			
Total	49	trips per day			
	11.77884615	trips pr ksf			
	0.918367347	% passenger	Default	% Default	% Project
		LDA	0.495909	0.62950828	0.57811985
		LDT1	0.053751	0.06823167	0.06266174
		LDT2	0.20771	0.26366766	0.24214377
		MCY	0.030402	0.03859238	0.03544199
	0.081632653	% HHT			

Generator	107 - 130	kW	Standby
	175	hp	Standby
	Tier 4		

Tier 4 Emission Factors

TOG_EF	0.00247	lb/hp-hr
ROG_EF	0.002248	lb/hp-hr
CO_EF	1.4	g/hp-hr
NOX_EF	0.54	g/hp-hr
SO2_EF	0.0049	g/hp-hr
PM10_EF	0.02	g/hp-hr
PM2_5_EF	0.02	g/hp-hr
CO2_EF	1.15	lb/hp-hr
CH4_EF	0.073134	g/hp-hr

1 Assumes max testing 2 hrs per month, 50 hours per year.

2 EPA T4 Final Emission Limits

Red Eye Kite
Air Quality Construction Emissions Summary

	Maximum Daily Emissions (tons/yr)					
Emission Source	**ROC**	**NO_X**	**CO**	**SO_2**	**PM_{10}**	**$PM_{2.5}$**
2022	<1	<1	<1	<1	<1	<1
2023	<1	<1	<1	<1	<1	<1
Indoor (2023)	<1	<1	<1	<1	<1	<1
Project Emissions	<1	<1	<1	<1	<1	<1
SBCAPCD Total Emissions Thresholds	25	25	**N/A**	25	25	25
Threshold Exceeded?	**No**	**No**	**N/A**	**No**	**No**	**No**

Construction Summary for Outdoor Renovations and additions

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Year	tons/yr									
2022	0.0155	0.1521	0.1535	2.60E-04	3.93E-03	7.84E-03	0.0118	1.53E-03	7.27E-03	8.80E-03
2023	0.0268	0.2237	0.2519	4.20E-04	1.94E-03	0.0111	0.013	5.20E-04	0.0102	0.0107
Total	**0.0423**	**0.3758**	**0.4054**	**0.00068**	**0.00587**	**0.01894**	**0.0248**	**0.00205**	**0.01747**	**0.0195**

Worker & Vendor for Indoor Renovations

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
	outside Building Construction (tons/yr)									
100 days vendor	3.00E-05	9.30E-04	3.00E-04	0	9.00E-05	1.00E-05	1.00E-04	3.00E-05	1.00E-05	4.00E-05
100 days worker	3.50E-04	2.70E-04	2.72E-03	1.00E-05	7.90E-04	0	7.90E-04	2.10E-04	0	2.10E-04
	inside Renovations (tons/yr)									
160 days vendor	9.60E-05	2.98E-03	9.60E-04	0.00E+00	2.88E-04	3.20E-05	3.20E-04	9.60E-05	3.20E-05	1.28E-04
160 days worker	1.12E-03	8.64E-04	8.70E-03	3.20E-05	2.53E-03	0.00E+00	2.53E-03	6.72E-04	0.00E+00	6.72E-04
Total	**1.22E-03**	**0.00384**	**0.009664**	**0.000032**	**0.002816**	**0.000032**	**0.002848**	**0.000768**	**0.000032**	**0.0008**

Note: Assumes 260 days construction activities total for outdoor and indoor renovation activities. Assumes double the worker and vendor activitiey for indoor renovations on an average day than outside work.

Red Eye Kite
GHG Construction Emissions Summary

	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	MT/yr					
2022	0	22.7972	22.7972	6.27E-03	1.10E-04	22.9857
2023	0	36.6686	36.6686	0.0111	1.40E-04	36.9877
Indoor (2023)	0.00E+00	2.96E+00	2.96E+00	1.28E-04	1.92E-04	3.03E+00
Total	**0**	**62.42772**	**62.42772**	**0.017498**	**0.000442**	**63.0022**
Amortized						**2.100073333**

Worker & Vendor for Indoor Renovations

	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	outside Building Construction (tons/yr)					
100 days vendor	0	0.3007	0.3007	1.00E-05	4.00E-05	0.3142
100 days worker	0	0.6249	0.6249	3.00E-05	2.00E-05	0.6323
	inside Renovations (tons/yr)					
160 days vendor	0.00E+00	9.62E-01	9.62E-01	3.20E-05	1.28E-04	1.01E+00
160 days worker	0.00E+00	2.00E+00	2.00E+00	9.60E-05	6.40E-05	2.02E+00
Total	**0.00E+00**	**2.96192**	**2.96192**	**0.000128**	**0.000192**	**3.03E+00**

Note: Assumes 260 days construction activities total for outdoor and indoor renovation activities. Assumes double the worker and vendor activitiey for indoor renovations on an average day than outside work.

Red Eye Kite
Air Quality Operational Emissions Summary

	Maximum Daily Emissions (lbs/day)					
Emission Source	**ROC**	**NO_X**	**CO**	**SO_2**	**PM_{10}**	**$PM_{2.5}$**
Area	<1	0	<1	0	0	0
Energy	<1	<1	<1	<1	<1	<1
Mobile	<1	<1	1	<1	<1	<1
Stationary	1	<1	1	<1	<1	<1
Project Emissions	1	1	2	<1	<1	<1
SBCAPCD Total Emissions Thresholds	240	240	None	None	80	None
Threshold Exceeded?	**No**	**No**	**N/A**	**N/A**	**Yes**	**N/A**
SBCAPCD Mobile Emissions Thresholds	25	25	None	None	None	None
Threshold Exceeded?	**No**	**No**	**N/A**	**N/A**	**N/A**	**N/A**

Max lbs/day - CalEEMod

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Area	0.1155	0	0.00042	0	0	0	0	0	0	0
Energy	0.00322	0.0293	0.0246	0.00018	0	0.00222	0.00222	0	0.00222	0.00222
Mobile	0.1341	0.3006	1.103	0.0023	0.2196	0.0024	0.222	0.0583	0.00226	0.0606
Stationary	0.5744	0.3042	0.7886	0.00276	0	0.0113	0.0113	0	0.0113	0.0113
Total	**0.8271**	**0.6521**	**2.0225**	**0.00524**	**0.2196**	**0.0159**	**0.2355**	**0.0583**	**0.0158**	**0.074**

Red Eye Kite
Air Quality Operational Emissions Summary

Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Area	0.1155	0	4.20E-04	0		0	0		0	0
Energy	3.22E-03	0.0293	0.0246	1.80E-04		2.22E-03	2.22E-03		2.22E-03	2.22E-03
Mobile	0.1341	0.3006	1.103	2.30E-03	0.2196	2.40E-03	0.222	0.0583	2.26E-03	0.0606
Stationary	0.5744	0.3042	0.7886	2.76E-03		0.0113	0.0113		0.0113	0.0113
Total	**0.8271**	**0.6341**	**1.9166**	**5.24E-03**	**0.2196**	**0.0159**	**0.2355**	**0.0583**	**0.0158**	**0.074**

Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Area	0.1155	0	4.20E-04	0		0	0		0	0
Energy	3.22E-03	0.0293	0.0246	1.80E-04		2.22E-03	2.22E-03		2.22E-03	2.22E-03
Mobile	0.1323	0.3187	1.2089	2.27E-03	0.2196	2.40E-03	0.222	0.0583	2.27E-03	0.0606
Stationary	0.5744	0.3042	0.7886	2.76E-03		0.0113	0.0113		0.0113	0.0113
Total	**0.8254**	**0.6521**	**2.0225**	**5.21E-03**	**0.2196**	**0.0159**	**0.2355**	**0.0583**	**0.0158**	**0.074**

Red Eye Kite
GHG Operational Emissions Summary

Emission Source	Annual Emissions (CO_2e MT)
Area	<1
Energy	9
Mobile	35
Stationary	3
Waste	2
Water	1
Total Operational	51
Amortized Construction	2
Total Project	53
SB County Threshold	1,000
Exceed Threshold	No

Max tons/year - CalEEMod

	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	MT/yr					
Area	0	7.00E-05	7.00E-05	0	0	8.00E-05
Energy	0	8.9295	8.9295	6.20E-04	1.70E-04	8.9948
Mobile	0	34.1705	34.1705	2.98E-03	2.95E-03	35.1249
Stationary	0	3.332	3.332	4.70E-04	0	3.3437
Waste	1.0715	0	1.0715	0.0531	0	2.3999
Water	0.3404	0.4816	0.822	1.25E-03	7.50E-04	1.0766
Total	**1.4119**	**46.91367**	**48.32557**	**0.05842**	**0.00387**	**5.09E+01**

Red Eye Kite
GHG Operational Emissions Summary

Do Not Print

Red Eye Kite
Energy Consumption Summary

	CalEEMod Output	Unit	Conversion Rate	MMBTU	Conversion Rate	Therms
Natural Gas	208,909	KBTU	0.001	209	0.010002388	2,090
Electricity	33,696	kWh	0.00341214	115		
Construction Gasoline				73		
Construction Diesel				2,623		
Operational Gasoline				446		
Operational Diesel				134		
Total MMBTU				**3,600**		

Source: Energy Consumption Information extracted from CalEEMod Output

Red Eye Kite

Construction Fuel Usage

Last Updated: 10/8/2022

Compression-Ignition Engine Brake-Specific Fuel Consumption (BSFC) Factors **[1]**:

HP: 0 to 100	0.0588	HP: Greater than 100	0.0529

Values above are expressed in gallons per horsepower-hour/BSFC.

CONSTRUCTION EQUIPMENT

Construction Equipment	#	Hours per Day	Horsepower	Load Factor	Construction Phase	Fuel Used (gallons)
Concrete/Industrial Saws	1	8	81	0.73	Demolition Phase	2,779.78
Rubber Tired Dozers	1	1	247	0.4	Demolition Phase	522.25
Tractors/Loaders/Backhoes	1	6	97	0.37	Demolition Phase	1,265.43
Graders	1	6	187	0.41	Grading Phase	2,431.62
Rubber Tired Dozers	1	6	247	0.4	Grading Phase	3,133.48
Tractors/Loaders/Backhoes	1	7	97	0.37	Grading Phase	1,476.33
Cranes	1	4	231	0.29	Building Construction Phase	1,416.41
Forklifts	2	6	89	0.2	Building Construction Phase	1,255.20
Tractors/Loaders/Backhoes	2	8	97	0.37	Building Construction Phase	3,374.48
Air Compressors	1	6	78	0.48	Architectural Coating Phase	1,320.08
					Total Fuel Used	**18,975.06**
						(Gallons)

Construction Phase	Days of Operation
Demolition Phase	10
Site Preparation Phase	
Grading Phase	2
Building Construction Phase	100
Paving Phase	
Architectural Coating Phase	5
Total Days	117

WORKER TRIPS

Constuction Phase	MPG [2]	Trips	Trip Length (miles)	Fuel Used (gallons)
Demolition Phase	24.2	8	8.3	274.38
Grading Phase	24.2	8	8.3	13.72
Building Construction Phase	24.2	8	8.3	321.02
Architectural Coating Phase	24.2	4	8.3	0.00
			Total	**609.12**

HAULING AND VENDOR TRIPS

Trip Class	MPG [2]	Trips	Trip Length (miles)	Fuel Used (gallons)
HAULING TRIPS				
Demolition Phase	6.5	6	20.0	18.46
			Total	**18.46**
VENDOR TRIPS				
Building Construction Phase	6.5	1	6.4	98.46
			Total	**98.46**

Red Eye Kite

Construction Fuel Usage

Last Updated: 10/8/2022

Construction Fuel Consumption Totals

Total Gasoline Consumption (gallons)	**609.12**
Total MMBTU[3] (Gasoline)	**73.24**
Total Diesel Consumption (gallons)	**19,091.99**
Total MMBTU[3] (Diesel)	**2,622.88**

Sources:

[1] United States Environmental Protection Agency. 2018. *Exhaust and Crankcase Emission Factors for Nonroad Compression-Ignition Engines in MOVES2014b* . July 2018. Available at: https://nepis.epa.gov/Exe/ZyPDF.cgi?Dockey=P100UXEN.pdf.

[2] United States Department of Energy Energy Efficiency & Renewable Energy. 2020. https://afdc.energy.gov/data.

[3] U.S. Energy Information Administration. 2022. https://www.eia.gov/energyexplained/units-and-calculators/. (1 gallon of gas = 120,238 BTU; 1 gallon of diesel = 137,381 BTU)

Red Eye Kite

Operational Fuel Usage

Last Updated: 10/8/2022

Populate one of the following tables (Leave the other blank):

Annual VMT		OR	Daily Vehicle Trips	
Annual VMT:	89,383		Daily Vehicle Trips:	
			Average Trip Distance:	

Fleet Class	Fleet Mix
Light Duty Auto (LDA)	0.578120
Light Duty Truck 1 (LDT1)	0.062662
Light Duty Truck 2 (LDT2)	0.242144
Medium Duty Vehicle (MDV)	0.000000
Light Heavy Duty 1 (LHD1)	0.000000
Light Heavy Duty 2 (LHD2)	0.000000
Medium Heavy Duty (MHD)	0.000000
Heavy Heavy Duty (HHD)	0.081633
Other Bus (OBUS)	0.000000
Urban Bus (UBUS)	0.000000
Motorcycle (MCY)	0.035442
School Bus (SBUS)	0.000000
Motorhome (MH)	0.000000

Fuel Economy (MPG) [1]	
Passenger Vehicles	24.4
Light-Med Duty Trucks	17.9
Heavy Trucks/Other	7.5
Motorcycles	44

Fleet Mix

Vehicle Type	Percent	Fuel Type	Annual VMT: VMT	Vehicle Trips: VMT	Fuel Consumption (Gallons)
Passenger Vehicles	*57.81%*	*Gasoline*	51674	0.00	2117.79
Light-Medium Duty Trucks	*30.48%*	*Gasoline*	27244	0.00	1522.04
Heavy Trucks/Other	*8.16%*	*Diesel*	7297	0.00	972.88
Motorcycle	*3.54%*	*Gasoline*	3168	0.00	72.00

Total Gasoline Consumption (gallons)	**3711.83**
Total MMBTU[2] (Gasoline)	**446.30**
Total Diesel Consumption (gallons)	**972.88**
Total MMBTU[2] (Diesel)	**133.66**

Sources:

[1] United States Department of Transportation, Bureau of Transportation Statistics. 2019. National Transportation Statistics 2019. Available at: https://www.bts.gov/topics/national-transportation-statistics.

[2] U.S. Energy Information Administration. 2022. https://www.eia.gov/energyexplained/units-and-calculators/. (1 gallon of gas = 120,238 BTU; 1 gallon of diesel = 137,381 BTU)

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	0.16	1000sqft	0.03	160.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.1	**Precipitation Freq (Days)**	37
Climate Zone	4			**Operational Year**	2024
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See Assumptions

Land Use - See Assumptions - Lot acerage = acreage of fine grading.

Construction Phase - Construction phasing only accounts for external work. Internal work assumes no diesel equipment used. Default days of construction used. Schedule adjusted for continuity.

Off-road Equipment - Small area, only one tractor/loader/backhoe anticipated with other equipment.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition - Assumed "building" for conservative estimate of debris removed from removing of existing pavement and block walls.

Trips and VMT - Similar equipment usage for BC so similar worker trips added also assumes 1 vendor trip per day for concrete or other materials, AC assumes 2 people.

Architectural Coating - square footage for pakring area is for re-striping of existing parking spaces.

Vehicle Trips - ops modeled separately

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Consumer Products - ops modeled separately

Area Coating - ops modeled separately

Landscape Equipment - ops modeled separately

Energy Use - ops modeled separately

Water And Wastewater - ops modeled separately

Solid Waste - ops modeled separately

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	0.00	384.00
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstructionPhase	PhaseEndDate	4/20/2023	4/7/2023
tblConstructionPhase	PhaseEndDate	4/6/2023	4/5/2023
tblConstructionPhase	PhaseEndDate	11/17/2022	11/16/2022
tblConstructionPhase	PhaseStartDate	4/14/2023	4/1/2023
tblConstructionPhase	PhaseStartDate	11/18/2022	11/17/2022
tblConstructionPhase	PhaseStartDate	11/16/2022	11/15/2022
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	LightingElect	3.08	0.00
tblEnergyUse	NT24E	3.70	0.00
tblEnergyUse	NT24NG	6.67	0.00
tblEnergyUse	T24E	1.32	0.00
tblEnergyUse	T24NG	19.51	0.00
tblLandscapeEquipment	NumberSummerDays	180	0
tblLandUse	LotAcreage	0.00	0.03
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblSolidWaste	SolidWasteGenerationRate	0.20	0.00

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tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	WorkerTripNumber	0.00	8.00
tblTripsAndVMT	WorkerTripNumber	0.00	4.00
tblVehicleTrips	ST_TR	1.99	0.00
tblVehicleTrips	SU_TR	5.00	0.00
tblVehicleTrips	WD_TR	4.96	0.00
tblWater	IndoorWaterUseRate	37,000.00	0.00

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0155	0.1521	0.1535	2.6000e-004	7.2400e-003	7.8400e-003	0.0151	3.0000e-003	7.2700e-003	0.0103	0.0000	22.7972	22.7972	6.2700e-003	1.1000e-004	22.9857
2023	0.0268	0.2237	0.2519	4.2000e-004	1.9400e-003	0.0111	0.0130	5.2000e-004	0.0102	0.0107	0.0000	36.6686	36.6686	0.0111	1.4000e-004	36.9877
Maximum	**0.0268**	**0.2237**	**0.2519**	**4.2000e-004**	**7.2400e-003**	**0.0111**	**0.0151**	**3.0000e-003**	**0.0102**	**0.0107**	**0.0000**	**36.6686**	**36.6686**	**0.0111**	**1.4000e-004**	**36.9877**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0155	0.1521	0.1535	2.6000e-004	3.9300e-003	7.8400e-003	0.0118	1.5300e-003	7.2700e-003	8.8000e-003	0.0000	22.7972	22.7972	6.2700e-003	1.1000e-004	22.9857
2023	0.0268	0.2237	0.2519	4.2000e-004	1.9400e-003	0.0111	0.0130	5.2000e-004	0.0102	0.0107	0.0000	36.6685	36.6685	0.0111	1.4000e-004	36.9877
Maximum	**0.0268**	**0.2237**	**0.2519**	**4.2000e-004**	**3.9300e-003**	**0.0111**	**0.0130**	**1.5300e-003**	**0.0102**	**0.0107**	**0.0000**	**36.6685**	**36.6685**	**0.0111**	**1.4000e-004**	**36.9877**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**36.06**	**0.00**	**11.78**	**41.76**	**0.00**	**7.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**11-1-2022**	**1-31-2023**	0.2435	0.2435
2	**2-1-2023**	**4-30-2023**	0.1710	0.1710
		Highest	0.2435	0.2435

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	11/1/2022	11/14/2022	5	10	
2	Grading	Grading	11/15/2022	11/16/2022	5	2	
3	Building Construction	Building Construction	11/17/2022	4/5/2023	5	100	

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4	Architectural Coating	Architectural Coating	4/1/2023	4/7/2023	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 240; Non-Residential Outdoor: 80; Striped Parking Area: 384 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Grading	Graders	1	6.00	187	0.41
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	3	8.00	0.00	6.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	8.00	1.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT

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3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.0000e-004	0.0000	7.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9300e-003	0.0258	0.0290	5.0000e-005		1.3500e-003	1.3500e-003		1.3000e-003	1.3000e-003	0.0000	4.1820	4.1820	6.3000e-004	0.0000	4.1977
Total	**2.9300e-003**	**0.0258**	**0.0290**	**5.0000e-005**	**7.0000e-004**	**1.3500e-003**	**2.0500e-003**	**1.1000e-004**	**1.3000e-003**	**1.4100e-003**	**0.0000**	**4.1820**	**4.1820**	**6.3000e-004**	**0.0000**	**4.1977**

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3.2 Demolition - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	5.9000e-004	1.4000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.1936	0.1936	1.0000e-005	3.0000e-005	0.2031
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	8.0000e-005	8.5000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1953	0.1953	1.0000e-005	1.0000e-005	0.1976
Total	**1.2000e-004**	**6.7000e-004**	**9.9000e-004**	**0.0000**	**3.0000e-004**	**0.0000**	**3.1000e-004**	**8.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.3889**	**0.3889**	**2.0000e-005**	**4.0000e-005**	**0.4007**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.1000e-004	0.0000	3.1000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9300e-003	0.0258	0.0290	5.0000e-005		1.3500e-003	1.3500e-003		1.3000e-003	1.3000e-003	0.0000	4.1820	4.1820	6.3000e-004	0.0000	4.1977
Total	**2.9300e-003**	**0.0258**	**0.0290**	**5.0000e-005**	**3.1000e-004**	**1.3500e-003**	**1.6600e-003**	**5.0000e-005**	**1.3000e-003**	**1.3500e-003**	**0.0000**	**4.1820**	**4.1820**	**6.3000e-004**	**0.0000**	**4.1977**

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3.2 Demolition - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	5.9000e-004	1.4000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.1936	0.1936	1.0000e-005	3.0000e-005	0.2031
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	8.0000e-005	8.5000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1953	0.1953	1.0000e-005	1.0000e-005	0.1976
Total	**1.2000e-004**	**6.7000e-004**	**9.9000e-004**	**0.0000**	**3.0000e-004**	**0.0000**	**3.1000e-004**	**8.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.3889**	**0.3889**	**2.0000e-005**	**4.0000e-005**	**0.4007**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.3100e-003	0.0000	5.3100e-003	2.5700e-003	0.0000	2.5700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0800e-003	0.0120	5.9400e-003	1.0000e-005		5.2000e-004	5.2000e-004		4.8000e-004	4.8000e-004	0.0000	1.2381	1.2381	4.0000e-004	0.0000	1.2482
Total	**1.0800e-003**	**0.0120**	**5.9400e-003**	**1.0000e-005**	**5.3100e-003**	**5.2000e-004**	**5.8300e-003**	**2.5700e-003**	**4.8000e-004**	**3.0500e-003**	**0.0000**	**1.2381**	**1.2381**	**4.0000e-004**	**0.0000**	**1.2482**

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3.3 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	2.0000e-005	1.7000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0391	0.0391	0.0000	0.0000	0.0395
Total	**2.0000e-005**	**2.0000e-005**	**1.7000e-004**	**0.0000**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0391**	**0.0391**	**0.0000**	**0.0000**	**0.0395**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.3900e-003	0.0000	2.3900e-003	1.1600e-003	0.0000	1.1600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0800e-003	0.0120	5.9400e-003	1.0000e-005		5.2000e-004	5.2000e-004		4.8000e-004	4.8000e-004	0.0000	1.2381	1.2381	4.0000e-004	0.0000	1.2482
Total	**1.0800e-003**	**0.0120**	**5.9400e-003**	**1.0000e-005**	**2.3900e-003**	**5.2000e-004**	**2.9100e-003**	**1.1600e-003**	**4.8000e-004**	**1.6400e-003**	**0.0000**	**1.2381**	**1.2381**	**4.0000e-004**	**0.0000**	**1.2482**

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3.3 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	2.0000e-005	1.7000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0391	0.0391	0.0000	0.0000	0.0395
Total	**2.0000e-005**	**2.0000e-005**	**1.7000e-004**	**0.0000**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0391**	**0.0391**	**0.0000**	**0.0000**	**0.0395**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1124	0.1144	1.8000e-004		5.9500e-003	5.9500e-003		5.4700e-003	5.4700e-003	0.0000	16.0236	16.0236	5.1800e-003	0.0000	16.1532
Total	**0.0110**	**0.1124**	**0.1144**	**1.8000e-004**		**5.9500e-003**	**5.9500e-003**		**5.4700e-003**	**5.4700e-003**	**0.0000**	**16.0236**	**16.0236**	**5.1800e-003**	**0.0000**	**16.1532**

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3.4 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-005	9.3000e-004	3.0000e-004	0.0000	9.0000e-005	1.0000e-005	1.0000e-004	3.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.3007	0.3007	1.0000e-005	4.0000e-005	0.3142
Worker	3.5000e-004	2.7000e-004	2.7200e-003	1.0000e-005	7.9000e-004	0.0000	7.9000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.6249	0.6249	3.0000e-005	2.0000e-005	0.6323
Total	**3.8000e-004**	**1.2000e-003**	**3.0200e-003**	**1.0000e-005**	**8.8000e-004**	**1.0000e-005**	**8.9000e-004**	**2.4000e-004**	**1.0000e-005**	**2.5000e-004**	**0.0000**	**0.9255**	**0.9255**	**4.0000e-005**	**6.0000e-005**	**0.9464**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1124	0.1144	1.8000e-004		5.9500e-003	5.9500e-003		5.4700e-003	5.4700e-003	0.0000	16.0236	16.0236	5.1800e-003	0.0000	16.1532
Total	**0.0110**	**0.1124**	**0.1144**	**1.8000e-004**		**5.9500e-003**	**5.9500e-003**		**5.4700e-003**	**5.4700e-003**	**0.0000**	**16.0236**	**16.0236**	**5.1800e-003**	**0.0000**	**16.1532**

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3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-005	9.3000e-004	3.0000e-004	0.0000	9.0000e-005	1.0000e-005	1.0000e-004	3.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.3007	0.3007	1.0000e-005	4.0000e-005	0.3142
Worker	3.5000e-004	2.7000e-004	2.7200e-003	1.0000e-005	7.9000e-004	0.0000	7.9000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.6249	0.6249	3.0000e-005	2.0000e-005	0.6323
Total	**3.8000e-004**	**1.2000e-003**	**3.0200e-003**	**1.0000e-005**	**8.8000e-004**	**1.0000e-005**	**8.9000e-004**	**2.4000e-004**	**1.0000e-005**	**2.5000e-004**	**0.0000**	**0.9255**	**0.9255**	**4.0000e-005**	**6.0000e-005**	**0.9464**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0215	0.2182	0.2413	3.9000e-004		0.0109	0.0109		0.0100	0.0100	0.0000	34.0709	34.0709	0.0110	0.0000	34.3464
Total	**0.0215**	**0.2182**	**0.2413**	**3.9000e-004**		**0.0109**	**0.0109**		**0.0100**	**0.0100**	**0.0000**	**34.0709**	**34.0709**	**0.0110**	**0.0000**	**34.3464**

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3.4 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	1.6500e-003	5.6000e-004	1.0000e-005	2.0000e-004	1.0000e-005	2.1000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.6167	0.6167	3.0000e-005	9.0000e-005	0.6444
Worker	7.0000e-004	5.0000e-004	5.3300e-003	1.0000e-005	1.6800e-003	1.0000e-005	1.6900e-003	4.5000e-004	1.0000e-005	4.5000e-004	0.0000	1.2951	1.2951	5.0000e-005	4.0000e-005	1.3096
Total	**7.4000e-004**	**2.1500e-003**	**5.8900e-003**	**2.0000e-005**	**1.8800e-003**	**2.0000e-005**	**1.9000e-003**	**5.1000e-004**	**2.0000e-005**	**5.2000e-004**	**0.0000**	**1.9118**	**1.9118**	**8.0000e-005**	**1.3000e-004**	**1.9539**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0215	0.2182	0.2413	3.9000e-004		0.0109	0.0109		0.0100	0.0100	0.0000	34.0708	34.0708	0.0110	0.0000	34.3463
Total	**0.0215**	**0.2182**	**0.2413**	**3.9000e-004**		**0.0109**	**0.0109**		**0.0100**	**0.0100**	**0.0000**	**34.0708**	**34.0708**	**0.0110**	**0.0000**	**34.3463**

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3.4 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	1.6500e-003	5.6000e-004	1.0000e-005	2.0000e-004	1.0000e-005	2.1000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.6167	0.6167	3.0000e-005	9.0000e-005	0.6444
Worker	7.0000e-004	5.0000e-004	5.3300e-003	1.0000e-005	1.6800e-003	1.0000e-005	1.6900e-003	4.5000e-004	1.0000e-005	4.5000e-004	0.0000	1.2951	1.2951	5.0000e-005	4.0000e-005	1.3096
Total	**7.4000e-004**	**2.1500e-003**	**5.8900e-003**	**2.0000e-005**	**1.8800e-003**	**2.0000e-005**	**1.9000e-003**	**5.1000e-004**	**2.0000e-005**	**5.2000e-004**	**0.0000**	**1.9118**	**1.9118**	**8.0000e-005**	**1.3000e-004**	**1.9539**

3.5 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.0800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.8000e-004	3.2600e-003	4.5300e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6393
Total	**4.5600e-003**	**3.2600e-003**	**4.5300e-003**	**1.0000e-005**		**1.8000e-004**	**1.8000e-004**		**1.8000e-004**	**1.8000e-004**	**0.0000**	**0.6383**	**0.6383**	**4.0000e-005**	**0.0000**	**0.6393**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.0000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0476	0.0476	0.0000	0.0000	0.0482
Total	**3.0000e-005**	**2.0000e-005**	**2.0000e-004**	**0.0000**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0476**	**0.0476**	**0.0000**	**0.0000**	**0.0482**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.0800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.8000e-004	3.2600e-003	4.5300e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6393
Total	**4.5600e-003**	**3.2600e-003**	**4.5300e-003**	**1.0000e-005**		**1.8000e-004**	**1.8000e-004**		**1.8000e-004**	**1.8000e-004**	**0.0000**	**0.6383**	**0.6383**	**4.0000e-005**	**0.0000**	**0.6393**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.0000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0476	0.0476	0.0000	0.0000	0.0482
Total	**3.0000e-005**	**2.0000e-005**	**2.0000e-004**	**0.0000**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0476**	**0.0476**	**0.0000**	**0.0000**	**0.0482**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	6.60	5.50	6.40	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.495909	0.053751	0.207710	0.150288	0.028653	0.006970	0.011038	0.006199	0.000953	0.000588	0.030402	0.003486	0.004053

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

7.0 Water Detail

7.1 Mitigation Measures Water

RedEyeKite - Construction - Santa Barbara-North of Santa Ynez County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

RedEyeKite - Operational Emissions - Santa Barbara-North of Santa Ynez County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

RedEyeKite - Operational Emissions

Santa Barbara-North of Santa Ynez County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	4.16	1000sqft	0.72	4,160.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.1	**Precipitation Freq (Days)**	37
Climate Zone	4			**Operational Year**	2024
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - See Assumptions

Construction Phase - Construction modeled separately

Off-road Equipment - Construction modeled separately

Trips and VMT - Construction modeled separately

Architectural Coating - Construction modeled separately

Vehicle Trips - See Assumptions - Trips based on 18 employees per day at 2.5 trips per employee per day for 6 days per week and 2 vendor trips per day.

Fleet Mix - Based on worker trips (LDA, LDT1, LDT2, MCY) and Vendor/delivery (HHD).

Stationary Sources - Emergency Generators and Fire Pumps - Tier 4 diesel generator. Max operation 2 hrs per month and 50 hours per year for testing purposes.

Stationary Sources - Emergency Generators and Fire Pumps EF - EPA Tier 4 Final Emissions Limits

RedEyeKite - Operational Emissions - Santa Barbara-North of Santa Ynez County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	2,080.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	6,240.00	0.00
tblConstructionPhase	NumDays	5.00	1.00
tblConstructionPhase	PhaseEndDate	3/23/2023	3/17/2023
tblFleetMix	HHD	6.1990e-003	0.08
tblFleetMix	LDA	0.50	0.58
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT2	0.21	0.24
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	6.9700e-003	0.00
tblFleetMix	MCY	0.03	0.04
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MH	4.0530e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	9.5300e-004	0.00
tblFleetMix	SBUS	3.4860e-003	0.00
tblFleetMix	UBUS	5.8800e-004	0.00
tblLandUse	LotAcreage	0.10	0.72
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblStationaryGeneratorsPumpsEF	CO_EF	2.60	1.40
tblStationaryGeneratorsPumpsEF	NOX_EF	2.85	0.54
tblStationaryGeneratorsPumpsEF	PM10_EF	0.15	0.02
tblStationaryGeneratorsPumpsEF	PM2_5_EF	0.15	0.02
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	175.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	2.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	1.99	11.78

RedEyeKite - Operational Emissions - Santa Barbara-North of Santa Ynez County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	SU_TR	5.00	0.00
tblVehicleTrips	WD_TR	4.96	11.78

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

RedEyeKite - Operational Emissions - Santa Barbara-North of Santa Ynez County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.1155	0.0000	4.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.1000e-004	9.1000e-004	0.0000		9.7000e-004
Energy	3.2200e-003	0.0293	0.0246	1.8000e-004		2.2200e-003	2.2200e-003		2.2200e-003	2.2200e-003		35.1036	35.1036	6.7000e-004	6.4000e-004	35.3122
Mobile	0.1323	0.3187	1.2089	2.2700e-003	0.2196	2.4000e-003	0.2220	0.0583	2.2700e-003	0.0606		241.7557	241.7557	0.0216	0.0210	248.5659
Stationary	0.5744	0.3042	0.7886	2.7600e-003		0.0113	0.0113		0.0113	0.0113		293.8299	293.8299	0.0412		294.8598
Total	**0.8254**	**0.6521**	**2.0225**	**5.2100e-003**	**0.2196**	**0.0159**	**0.2355**	**0.0583**	**0.0158**	**0.0740**		**570.6902**	**570.6902**	**0.0635**	**0.0217**	**578.7388**

RedEyeKite - Operational Emissions - Santa Barbara-North of Santa Ynez County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.1155	0.0000	4.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.1000e-004	9.1000e-004	0.0000		9.7000e-004
Energy	3.2200e-003	0.0293	0.0246	1.8000e-004		2.2200e-003	2.2200e-003		2.2200e-003	2.2200e-003		35.1036	35.1036	6.7000e-004	6.4000e-004	35.3122
Mobile	0.1323	0.3187	1.2089	2.2700e-003	0.2196	2.4000e-003	0.2220	0.0583	2.2700e-003	0.0606		241.7557	241.7557	0.0216	0.0210	248.5659
Stationary	0.5744	0.3042	0.7886	2.7600e-003		0.0113	0.0113		0.0113	0.0113		293.8299	293.8299	0.0412		294.8598
Total	**0.8254**	**0.6521**	**2.0225**	**5.2100e-003**	**0.2196**	**0.0159**	**0.2355**	**0.0583**	**0.0158**	**0.0740**		**570.6902**	**570.6902**	**0.0635**	**0.0217**	**578.7388**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	3/17/2023	3/17/2023	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

RedEyeKite - Operational Emissions - Santa Barbara-North of Santa Ynez County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

RedEyeKite - Operational Emissions - Santa Barbara-North of Santa Ynez County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

RedEyeKite - Operational Emissions - Santa Barbara-North of Santa Ynez County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

RedEyeKite - Operational Emissions - Santa Barbara-North of Santa Ynez County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1323	0.3187	1.2089	2.2700e-003	0.2196	2.4000e-003	0.2220	0.0583	2.2700e-003	0.0606		241.7557	241.7557	0.0216	0.0210	248.5659
Unmitigated	0.1323	0.3187	1.2089	2.2700e-003	0.2196	2.4000e-003	0.2220	0.0583	2.2700e-003	0.0606		241.7557	241.7557	0.0216	0.0210	248.5659

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	49.00	49.00	0.00	89,383	89,383
Total	49.00	49.00	0.00	89,383	89,383

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	6.60	5.50	6.40	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.578120	0.062662	0.242144	0.000000	0.000000	0.000000	0.000000	0.081633	0.000000	0.000000	0.035442	0.000000	0.000000

RedEyeKite - Operational Emissions - Santa Barbara-North of Santa Ynez County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	3.2200e-003	0.0293	0.0246	1.8000e-004		2.2200e-003	2.2200e-003		2.2200e-003	2.2200e-003		35.1036	35.1036	6.7000e-004	6.4000e-004	35.3122
NaturalGas Unmitigated	3.2200e-003	0.0293	0.0246	1.8000e-004		2.2200e-003	2.2200e-003		2.2200e-003	2.2200e-003		35.1036	35.1036	6.7000e-004	6.4000e-004	35.3122

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	298.38	3.2200e-003	0.0293	0.0246	1.8000e-004		2.2200e-003	2.2200e-003		2.2200e-003	2.2200e-003		35.1036	35.1036	6.7000e-004	6.4000e-004	35.3122
Total		**3.2200e-003**	**0.0293**	**0.0246**	**1.8000e-004**		**2.2200e-003**	**2.2200e-003**		**2.2200e-003**	**2.2200e-003**		**35.1036**	**35.1036**	**6.7000e-004**	**6.4000e-004**	**35.3122**

RedEyeKite - Operational Emissions - Santa Barbara-North of Santa Ynez County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	0.29838	3.2200e-003	0.0293	0.0246	1.8000e-004		2.2200e-003	2.2200e-003		2.2200e-003	2.2200e-003		35.1036	35.1036	6.7000e-004	6.4000e-004	35.3122
Total		**3.2200e-003**	**0.0293**	**0.0246**	**1.8000e-004**		**2.2200e-003**	**2.2200e-003**		**2.2200e-003**	**2.2200e-003**		**35.1036**	**35.1036**	**6.7000e-004**	**6.4000e-004**	**35.3122**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1155	0.0000	4.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.1000e-004	9.1000e-004	0.0000		9.7000e-004
Unmitigated	0.1155	0.0000	4.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.1000e-004	9.1000e-004	0.0000		9.7000e-004

RedEyeKite - Operational Emissions - Santa Barbara-North of Santa Ynez County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0264					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0890					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.1000e-004	9.1000e-004	0.0000		9.7000e-004
Total	**0.1155**	**0.0000**	**4.2000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**9.1000e-004**	**9.1000e-004**	**0.0000**		**9.7000e-004**

RedEyeKite - Operational Emissions - Santa Barbara-North of Santa Ynez County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0264					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0890					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.1000e-004	9.1000e-004	0.0000		9.7000e-004
Total	**0.1155**	**0.0000**	**4.2000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**9.1000e-004**	**9.1000e-004**	**0.0000**		**9.7000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

RedEyeKite - Operational Emissions - Santa Barbara-North of Santa Ynez County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	2	50	175	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (175 - 300 HP)	0.5744	0.3042	0.7886	2.7600e-003		0.0113	0.0113		0.0113	0.0113		293.8299	293.8299	0.0412		294.8598
Total	**0.5744**	**0.3042**	**0.7886**	**2.7600e-003**		**0.0113**	**0.0113**		**0.0113**	**0.0113**		**293.8299**	**293.8299**	**0.0412**		**294.8598**

11.0 Vegetation

RedEyeKite - Operational Emissions - Santa Barbara-North of Santa Ynez County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

RedEyeKite - Operational Emissions

Santa Barbara-North of Santa Ynez County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	4.16	1000sqft	0.72	4,160.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.1	**Precipitation Freq (Days)**	37
Climate Zone	4			**Operational Year**	2024
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - See Assumptions

Construction Phase - Construction modeled separately

Off-road Equipment - Construction modeled separately

Trips and VMT - Construction modeled separately

Architectural Coating - Construction modeled separately

Vehicle Trips - See Assumptions - Trips based on 18 employees per day at 2.5 trips per employee per day for 6 days per week and 2 vendor trips per day.

Fleet Mix - Based on worker trips (LDA, LDT1, LDT2, MCY) and Vendor/delivery (HHD).

Stationary Sources - Emergency Generators and Fire Pumps - Tier 4 diesel generator. Max operation 2 hrs per month and 50 hours per year for testing purposes.

Stationary Sources - Emergency Generators and Fire Pumps EF - EPA Tier 4 Final Emissions Limits

RedEyeKite - Operational Emissions - Santa Barbara-North of Santa Ynez County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	2,080.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	6,240.00	0.00
tblConstructionPhase	NumDays	5.00	1.00
tblConstructionPhase	PhaseEndDate	3/23/2023	3/17/2023
tblFleetMix	HHD	6.1990e-003	0.08
tblFleetMix	LDA	0.50	0.58
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT2	0.21	0.24
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	6.9700e-003	0.00
tblFleetMix	MCY	0.03	0.04
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MH	4.0530e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	9.5300e-004	0.00
tblFleetMix	SBUS	3.4860e-003	0.00
tblFleetMix	UBUS	5.8800e-004	0.00
tblLandUse	LotAcreage	0.10	0.72
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblStationaryGeneratorsPumpsEF	CO_EF	2.60	1.40
tblStationaryGeneratorsPumpsEF	NOX_EF	2.85	0.54
tblStationaryGeneratorsPumpsEF	PM10_EF	0.15	0.02
tblStationaryGeneratorsPumpsEF	PM2_5_EF	0.15	0.02
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	175.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	2.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	1.99	11.78

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	SU_TR	5.00	0.00
tblVehicleTrips	WD_TR	4.96	11.78

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

RedEyeKite - Operational Emissions - Santa Barbara-North of Santa Ynez County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.1155	0.0000	4.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.1000e-004	9.1000e-004	0.0000		9.7000e-004
Energy	3.2200e-003	0.0293	0.0246	1.8000e-004		2.2200e-003	2.2200e-003		2.2200e-003	2.2200e-003		35.1036	35.1036	6.7000e-004	6.4000e-004	35.3122
Mobile	0.1341	0.3006	1.1030	2.3000e-003	0.2196	2.4000e-003	0.2220	0.0583	2.2600e-003	0.0606		244.5833	244.5833	0.0202	0.0204	251.1627
Stationary	0.5744	0.3042	0.7886	2.7600e-003		0.0113	0.0113		0.0113	0.0113		293.8299	293.8299	0.0412		294.8598
Total	**0.8271**	**0.6341**	**1.9166**	**5.2400e-003**	**0.2196**	**0.0159**	**0.2355**	**0.0583**	**0.0158**	**0.0740**		**573.5178**	**573.5178**	**0.0621**	**0.0210**	**581.3357**

RedEyeKite - Operational Emissions - Santa Barbara-North of Santa Ynez County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.1155	0.0000	4.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.1000e-004	9.1000e-004	0.0000		9.7000e-004
Energy	3.2200e-003	0.0293	0.0246	1.8000e-004		2.2200e-003	2.2200e-003		2.2200e-003	2.2200e-003		35.1036	35.1036	6.7000e-004	6.4000e-004	35.3122
Mobile	0.1341	0.3006	1.1030	2.3000e-003	0.2196	2.4000e-003	0.2220	0.0583	2.2600e-003	0.0606		244.5833	244.5833	0.0202	0.0204	251.1627
Stationary	0.5744	0.3042	0.7886	2.7600e-003		0.0113	0.0113		0.0113	0.0113		293.8299	293.8299	0.0412		294.8598
Total	**0.8271**	**0.6341**	**1.9166**	**5.2400e-003**	**0.2196**	**0.0159**	**0.2355**	**0.0583**	**0.0158**	**0.0740**		**573.5178**	**573.5178**	**0.0621**	**0.0210**	**581.3357**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	3/17/2023	3/17/2023	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

RedEyeKite - Operational Emissions - Santa Barbara-North of Santa Ynez County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

RedEyeKite - Operational Emissions - Santa Barbara-North of Santa Ynez County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

RedEyeKite - Operational Emissions - Santa Barbara-North of Santa Ynez County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

RedEyeKite - Operational Emissions - Santa Barbara-North of Santa Ynez County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1341	0.3006	1.1030	2.3000e-003	0.2196	2.4000e-003	0.2220	0.0583	2.2600e-003	0.0606		244.5833	244.5833	0.0202	0.0204	251.1627
Unmitigated	0.1341	0.3006	1.1030	2.3000e-003	0.2196	2.4000e-003	0.2220	0.0583	2.2600e-003	0.0606		244.5833	244.5833	0.0202	0.0204	251.1627

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	49.00	49.00	0.00	89,383	89,383
Total	49.00	49.00	0.00	89,383	89,383

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	6.60	5.50	6.40	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.578120	0.062662	0.242144	0.000000	0.000000	0.000000	0.000000	0.081633	0.000000	0.000000	0.035442	0.000000	0.000000

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	3.2200e-003	0.0293	0.0246	1.8000e-004		2.2200e-003	2.2200e-003		2.2200e-003	2.2200e-003		35.1036	35.1036	6.7000e-004	6.4000e-004	35.3122
NaturalGas Unmitigated	3.2200e-003	0.0293	0.0246	1.8000e-004		2.2200e-003	2.2200e-003		2.2200e-003	2.2200e-003		35.1036	35.1036	6.7000e-004	6.4000e-004	35.3122

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	298.38	3.2200e-003	0.0293	0.0246	1.8000e-004		2.2200e-003	2.2200e-003		2.2200e-003	2.2200e-003		35.1036	35.1036	6.7000e-004	6.4000e-004	35.3122
Total		**3.2200e-003**	**0.0293**	**0.0246**	**1.8000e-004**		**2.2200e-003**	**2.2200e-003**		**2.2200e-003**	**2.2200e-003**		**35.1036**	**35.1036**	**6.7000e-004**	**6.4000e-004**	**35.3122**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	0.29838	3.2200e-003	0.0293	0.0246	1.8000e-004		2.2200e-003	2.2200e-003		2.2200e-003	2.2200e-003		35.1036	35.1036	6.7000e-004	6.4000e-004	35.3122
Total		**3.2200e-003**	**0.0293**	**0.0246**	**1.8000e-004**		**2.2200e-003**	**2.2200e-003**		**2.2200e-003**	**2.2200e-003**		**35.1036**	**35.1036**	**6.7000e-004**	**6.4000e-004**	**35.3122**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1155	0.0000	4.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.1000e-004	9.1000e-004	0.0000		9.7000e-004
Unmitigated	0.1155	0.0000	4.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.1000e-004	9.1000e-004	0.0000		9.7000e-004

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0264					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0890					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.1000e-004	9.1000e-004	0.0000		9.7000e-004
Total	**0.1155**	**0.0000**	**4.2000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**9.1000e-004**	**9.1000e-004**	**0.0000**		**9.7000e-004**

RedEyeKite - Operational Emissions - Santa Barbara-North of Santa Ynez County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0264					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0890					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.1000e-004	9.1000e-004	0.0000		9.7000e-004
Total	**0.1155**	**0.0000**	**4.2000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**9.1000e-004**	**9.1000e-004**	**0.0000**		**9.7000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	2	50	175	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (175 - 300 HP)	0.5744	0.3042	0.7886	2.7600e-003		0.0113	0.0113		0.0113	0.0113		293.8299	293.8299	0.0412		294.8598
Total	**0.5744**	**0.3042**	**0.7886**	**2.7600e-003**		**0.0113**	**0.0113**		**0.0113**	**0.0113**		**293.8299**	**293.8299**	**0.0412**		**294.8598**

11.0 Vegetation

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

RedEyeKite - Operational Emissions

Santa Barbara-North of Santa Ynez County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	4.16	1000sqft	0.72	4,160.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.1	**Precipitation Freq (Days)**	37
Climate Zone	4			**Operational Year**	2024
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - See Assumptions

Construction Phase - Construction modeled separately

Off-road Equipment - Construction modeled separately

Trips and VMT - Construction modeled separately

Architectural Coating - Construction modeled separately

Vehicle Trips - See Assumptions - Trips based on 18 employees per day at 2.5 trips per employee per day for 6 days per week and 2 vendor trips per day.

Fleet Mix - Based on worker trips (LDA, LDT1, LDT2, MCY) and Vendor/delivery (HHD).

Stationary Sources - Emergency Generators and Fire Pumps - Tier 4 diesel generator. Max operation 2 hrs per month and 50 hours per year for testing purposes.

Stationary Sources - Emergency Generators and Fire Pumps EF - EPA Tier 4 Final Emissions Limits

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	2,080.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	6,240.00	0.00
tblConstructionPhase	NumDays	5.00	1.00
tblConstructionPhase	PhaseEndDate	3/23/2023	3/17/2023
tblFleetMix	HHD	6.1990e-003	0.08
tblFleetMix	LDA	0.50	0.58
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT2	0.21	0.24
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	6.9700e-003	0.00
tblFleetMix	MCY	0.03	0.04
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MH	4.0530e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	9.5300e-004	0.00
tblFleetMix	SBUS	3.4860e-003	0.00
tblFleetMix	UBUS	5.8800e-004	0.00
tblLandUse	LotAcreage	0.10	0.72
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblStationaryGeneratorsPumpsEF	CO_EF	2.60	1.40
tblStationaryGeneratorsPumpsEF	NOX_EF	2.85	0.54
tblStationaryGeneratorsPumpsEF	PM10_EF	0.15	0.02
tblStationaryGeneratorsPumpsEF	PM2_5_EF	0.15	0.02
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	175.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	2.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	1.99	11.78

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	SU_TR	5.00	0.00
tblVehicleTrips	WD_TR	4.96	11.78

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0211	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.0000e-005	7.0000e-005	0.0000	0.0000	8.0000e-005
Energy	5.9000e-004	5.3400e-003	4.4800e-003	3.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	8.9295	8.9295	6.2000e-004	1.7000e-004	8.9948
Mobile	0.0205	0.0494	0.1812	3.5000e-004	0.0335	3.7000e-004	0.0339	8.9100e-003	3.5000e-004	9.2600e-003	0.0000	34.1705	34.1705	2.9800e-003	2.9500e-003	35.1249
Stationary	7.1800e-003	3.8000e-003	9.8600e-003	3.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	3.3320	3.3320	4.7000e-004	0.0000	3.3437
Waste						0.0000	0.0000		0.0000	0.0000	1.0715	0.0000	1.0715	0.0531	0.0000	2.3999
Water						0.0000	0.0000		0.0000	0.0000	0.3404	0.4816	0.8220	1.2500e-003	7.5000e-004	1.0766
Total	**0.0493**	**0.0585**	**0.1956**	**4.1000e-004**	**0.0335**	**9.2000e-004**	**0.0344**	**8.9100e-003**	**9.0000e-004**	**9.8100e-003**	**1.4119**	**46.9137**	**48.3256**	**0.0585**	**3.8700e-003**	**50.9400**

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0211	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.0000e-005	7.0000e-005	0.0000	0.0000	8.0000e-005
Energy	5.9000e-004	5.3400e-003	4.4800e-003	3.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	8.9295	8.9295	6.2000e-004	1.7000e-004	8.9948
Mobile	0.0205	0.0494	0.1812	3.5000e-004	0.0335	3.7000e-004	0.0339	8.9100e-003	3.5000e-004	9.2600e-003	0.0000	34.1705	34.1705	2.9800e-003	2.9500e-003	35.1249
Stationary	7.1800e-003	3.8000e-003	9.8600e-003	3.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	3.3320	3.3320	4.7000e-004	0.0000	3.3437
Waste						0.0000	0.0000		0.0000	0.0000	1.0715	0.0000	1.0715	0.0531	0.0000	2.3999
Water						0.0000	0.0000		0.0000	0.0000	0.3404	0.4816	0.8220	1.2500e-003	7.5000e-004	1.0766
Total	**0.0493**	**0.0585**	**0.1956**	**4.1000e-004**	**0.0335**	**9.2000e-004**	**0.0344**	**8.9100e-003**	**9.0000e-004**	**9.8100e-003**	**1.4119**	**46.9137**	**48.3256**	**0.0585**	**3.8700e-003**	**50.9400**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	3/17/2023	3/17/2023	5	1	

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Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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3.2 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0205	0.0494	0.1812	3.5000e-004	0.0335	3.7000e-004	0.0339	8.9100e-003	3.5000e-004	9.2600e-003	0.0000	34.1705	34.1705	2.9800e-003	2.9500e-003	35.1249
Unmitigated	0.0205	0.0494	0.1812	3.5000e-004	0.0335	3.7000e-004	0.0339	8.9100e-003	3.5000e-004	9.2600e-003	0.0000	34.1705	34.1705	2.9800e-003	2.9500e-003	35.1249

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	49.00	49.00	0.00	89,383	89,383
Total	49.00	49.00	0.00	89,383	89,383

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	6.60	5.50	6.40	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.578120	0.062662	0.242144	0.000000	0.000000	0.000000	0.000000	0.081633	0.000000	0.000000	0.035442	0.000000	0.000000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	3.1177	3.1177	5.0000e-004	6.0000e-005	3.1485
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	3.1177	3.1177	5.0000e-004	6.0000e-005	3.1485
NaturalGas Mitigated	5.9000e-004	5.3400e-003	4.4800e-003	3.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	5.8118	5.8118	1.1000e-004	1.1000e-004	5.8463
NaturalGas Unmitigated	5.9000e-004	5.3400e-003	4.4800e-003	3.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	5.8118	5.8118	1.1000e-004	1.1000e-004	5.8463

RedEyeKite - Operational Emissions - Santa Barbara-North of Santa Ynez County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	108909	5.9000e-004	5.3400e-003	4.4800e-003	3.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	5.8118	5.8118	1.1000e-004	1.1000e-004	5.8463
Total		**5.9000e-004**	**5.3400e-003**	**4.4800e-003**	**3.0000e-005**		**4.1000e-004**	**4.1000e-004**		**4.1000e-004**	**4.1000e-004**	**0.0000**	**5.8118**	**5.8118**	**1.1000e-004**	**1.1000e-004**	**5.8463**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	108909	5.9000e-004	5.3400e-003	4.4800e-003	3.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	5.8118	5.8118	1.1000e-004	1.1000e-004	5.8463
Total		**5.9000e-004**	**5.3400e-003**	**4.4800e-003**	**3.0000e-005**		**4.1000e-004**	**4.1000e-004**		**4.1000e-004**	**4.1000e-004**	**0.0000**	**5.8118**	**5.8118**	**1.1000e-004**	**1.1000e-004**	**5.8463**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	33696	3.1177	5.0000e-004	6.0000e-005	3.1485
Total		**3.1177**	**5.0000e-004**	**6.0000e-005**	**3.1485**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	33696	3.1177	5.0000e-004	6.0000e-005	3.1485
Total		**3.1177**	**5.0000e-004**	**6.0000e-005**	**3.1485**

6.0 Area Detail

6.1 Mitigation Measures Area

RedEyeKite - Operational Emissions - Santa Barbara-North of Santa Ynez County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0211	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.0000e-005	7.0000e-005	0.0000	0.0000	8.0000e-005
Unmitigated	0.0211	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.0000e-005	7.0000e-005	0.0000	0.0000	8.0000e-005

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	4.8200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0163					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.0000e-005	7.0000e-005	0.0000	0.0000	8.0000e-005
Total	**0.0211**	**0.0000**	**4.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**7.0000e-005**	**7.0000e-005**	**0.0000**	**0.0000**	**8.0000e-005**

RedEyeKite - Operational Emissions - Santa Barbara-North of Santa Ynez County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	4.8200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0163					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.0000e-005	7.0000e-005	0.0000	0.0000	8.0000e-005
Total	**0.0211**	**0.0000**	**4.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**7.0000e-005**	**7.0000e-005**	**0.0000**	**0.0000**	**8.0000e-005**

7.0 Water Detail

7.1 Mitigation Measures Water

RedEyeKite - Operational Emissions - Santa Barbara-North of Santa Ynez County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.8220	1.2500e-003	7.5000e-004	1.0766
Unmitigated	0.8220	1.2500e-003	7.5000e-004	1.0766

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0.962 / 0	0.8220	1.2500e-003	7.5000e-004	1.0766
Total		**0.8220**	**1.2500e-003**	**7.5000e-004**	**1.0766**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0.962 / 0	0.8220	1.2500e-003	7.5000e-004	1.0766
Total		**0.8220**	**1.2500e-003**	**7.5000e-004**	**1.0766**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1.0715	0.0531	0.0000	2.3999
Unmitigated	1.0715	0.0531	0.0000	2.3999

RedEyeKite - Operational Emissions - Santa Barbara-North of Santa Ynez County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	5.16	1.0715	0.0531	0.0000	2.3999
Total		**1.0715**	**0.0531**	**0.0000**	**2.3999**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	5.16	1.0715	0.0531	0.0000	2.3999
Total		**1.0715**	**0.0531**	**0.0000**	**2.3999**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

RedEyeKite - Operational Emissions - Santa Barbara-North of Santa Ynez County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	2	50	175	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (175 - 300 HP)	7.1800e-003	3.8000e-003	9.8600e-003	3.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	3.3320	3.3320	4.7000e-004	0.0000	3.3437
Total	**7.1800e-003**	**3.8000e-003**	**9.8600e-003**	**3.0000e-005**		**1.4000e-004**	**1.4000e-004**		**1.4000e-004**	**1.4000e-004**	**0.0000**	**3.3320**	**3.3320**	**4.7000e-004**	**0.0000**	**3.3437**

11.0 Vegetation

Appendix B

Red Eye Kite Health Risk Assessment Letter

Rincon Consultants, Inc.

209 East Victoria Street
Santa Barbara, California 93101

805 319 4092

info@rinconconsultants.com
www.rinconconsultants.com

October 10, 2022
Project No: 21-12034

Brian Halvorson, Planning Manager
City of Lompoc
Community Development Department
100 Civic Center Plaza
Lompoc, California 93436
Via email: b_halvorson@ci.lompoc.ca.us

Subject: Red Eye Kite Health Risk Assessment
1501 East Laurel Avenue, Lompoc, 93436

Dear Mr. Halvorson:

The purpose of this letter is to summarize the results of an operational screening Health Risk Assessment (HRA) prepared for the proposed emergency generator that would be part of the Red Eye Kite, Inc., Commercial Cannabis Cultivation, Processing and Distribution Project (project). The project is located at 1501 East Laurel Avenue in Lompoc, California.

Project Description

Red Eye Kite, Inc. ("Red Eye Kite" or "Applicant") proposes to establish an indoor industrial cannabis cultivation, processing, and distribution facility on a developed 0.72-acre site. The site is currently developed with a one-story industrial building. The proposed use would be located within a portion of, the existing vacant one-story, 8,000 square-foot building, with a maximum height of approximately 19 feet. The building consists of two warehouses. Warehouse Unit A is approximately 4,000 square feet and occupies the western half of the building and would be upgraded to house the proposed cannabis facility. Warehouse Unit B is approximately 4,000 square feet and occupies the eastern half of the building and would remain vacant.

No changes are proposed to Warehouse B as a part of this project and a 160 square-foot addition is proposed along the northern portion of Warehouse Unit A in an area already paved.

The project would involve minor tenant improvements, including removal of an existing exterior block wall, installation of a new transformer pad, new concrete sidewalk and ramp along the western and northern exterior of the building, changes to the interior layout, 160 square-foot addition to the northeast part of the existing warehouse, and installation of a new HVAC system.

Hours of operation for the cannabis facility would be from 9:00 AM to 9:00 PM Monday through Saturday. The project is anticipated to require up to 12 employees within the first year of operation and up to 18 employees by the third year. The structure would contain areas for cultivation and processing, an office for employees, shipping and receiving room, security and safe room, lobby area, and restrooms. The facility would only sell cannabis products to State licensed facilities on a wholesale basis and there would be no retail sales on-site. As such, the proposed industrial cannabis cultivation facility

would not be open to the public and visitors would be permitted only when escorted and for a specific business purpose. .

Background

The project site is located in the South Central Coast Air Basin (SCCAB), which includes all of San Luis Obispo, Santa Barbara, and Ventura counties. Based on data recorded at the Lompoc City Airport, adjacent to the project's northern boundary, the predominant wind direction in the vicinity of project site is from the west and the average wind speed is approximately 2.03 meters per second (Lakes Environmental Software 2018). The annual average maximum daily temperature in the project area is approximately 70 degrees Fahrenheit (°F) and the annual average minimum daily temperature is approximately 47°F. Total precipitation in the project area averages approximately 15 inches annually (Western Regional Climate Center 2016).

Methodology

The carcinogenic and non-carcinogenic health risk impacts from the emergency generator were evaluated using the United States Environmental Protection Agency (USEPA) recommended AERMOD model (version 10.2.0) and the California Air Resource Board's (CARB) Hot Spot Analysis and Reporting Program (HARP2) (version 21081). The recommended guidance from the Santa Barbara County Air Pollution Control District's (SBCAPCD) *User Guide for HRA Screenings Using Lakes' AERSCREEN View and HARP 2* was used. Modeled ambient concentrations of diesel particulate matter (DPM) at the maximally exposed individual resident (MEIR) and maximally exposed individual worker (MEIW) were assessed. The estimated health risks were then be compared to the appropriate SBCAPCD health risk thresholds.

AERMOD

Dispersion and concentration of DPM emissions at off-site residential and worker receptors and on-site worker receptors were estimated using the U.S. EPA air dispersion model, the AMS/EPA Regulatory Model (AERMOD), version 10.2.0. AERMOD is a steady-state, multiple-source, Gaussian dispersion model designed for use with emission sources situated in terrain where ground elevations can exceed the stack heights of the emission sources. The AERMOD model requires hourly meteorological data consisting of wind vector, wind speed, temperature, stability class, and mixing height. For this analysis, specific metrological data from the City of Lompoc H Steet meteorological station, approximately 1 mile southwest of the project site, was pre-processed with AERMET as provided by SBAPCD. Because the backup diesel generators is a point sources located between 2 buildings, building downwash effects analysis was performed using BPIP-PRIME and AERMAP to account for the building potential to influence air flow (building coordinates are available in the model files in Attachment 2). Any effects of building downwash were then incorporated into AERMOD dispersion runs. The facility is not located in a densely developed urban area; thus, the urban heat island effect was not included in the model.

The 130-kW emergency generator with a 175 horsepower (HP) engine was modeled as a point source with an emission rate of one gram per second. The diesel generator spec sheet is included in Attachment 1. Discrete Receptor Grids with receptors located at 25-meter by 25-meter spacing were used to determine concentrations for residential and worker receptors. The pertinent AERMOD inputs and point source release parameters are described in detail in Table 1. The AERMOD model provides

maximum hourly concentrations based on distance. More details are provided in Attachment 2 in the AERMOD output file.

Table 1 Point Source Release Parameters

Parameters	Input	Value
Source	Source type	POINT
	Release Height	2276 mm / 89.6 in / 2.276 m[1]
	Emission rate	1 g/s
	Stack Inside Diameter	76.2 mm / 3 in / 0.0762 m[1]
	Gas Exit Temperature	389 C / 732 F / 662.03888889 K[1]
	Gas Exit Flow Rate	20.1 m3/ 710 cfm[1]
	Variable emissions	operational Mon - Sat, 9AM to 9 PM
Building	Include building downwash	Yes
	Building 1 height (Project)	19 ft / 5.7912 m
	Type	Polygonal
	Building 2 height (Directly East)	19 ft / 5.7912 m
	Type	Polygonal
Meteorology	Surface Met Data	Lompoc H Street[2]
	Start Year	2012
	End Year	2016
	Anemometer height	40 m
Terrain	Include terrain	USGS NED 1/3
Discrete Receptors	Spacing	25 meters
	Residential (receptor numbers)	1 - 398
	Worker (receptor numbers, offsite)	399 - 724
Other Inputs	Pollutant	PM10
	Averaging Times	1-hr, Period
	Rural/urban	Urban
	Input population[3]	42,434
	Use flagpole receptors	No
	Source type	POINT

Source:, [1]Attachment 1, [2]SBCAPCD 2020

HARP 2

HARP2 requires the average annual and maximum hourly concentration of each pollutant then risk scenarios are chosen to compute the cancer and non-cancer risks (i.e., acute and chronic Hazard Index). The risk scenarios chosen for the MEIR and MEIW followed the guidance in Section 5 of the SBCAPCD Screening Guidance.

For the MEIR cancer risk analysis, a residential receptor, 30-year exposure duration, and the risk management policy (RMP) using the derived method for the intake rate percentile were used for the risk

scenario. Only the inhalation pathway was evaluated since DPM is not a multi-pathway TAC and no fraction at time at home was applied. For the chronic non-cancer analysis, the same inputs for the cancer risk analysis were used but instead the OEHHA derived method was used for the intake rate percentile. Also, the exposure duration was not applied since the chronic hazard indices is based on an annual exposure. For the MEIW, a worker receptor, 25-year exposure duration, and OEHHA derived method were used. Only the inhalation pathway was evaluated and an 8-hour breathing rate was applied for moderate intense activity. No worker adjustment factor was applied since the emergency generator would not be operating on a regular schedule but primarily operate for testing and maintenance purposes. For the chronic non-cancer risk analysis, the same inputs used in the cancer risk analysis were applied except for the exposure duration since the chronic hazard indices is based on an annual exposure. No acute non-cancer risk analysis was computed for the MEIR or MEIW since DPM does not have an acute impact. See Attachment 3 for the risk summary results.

Thresholds

In June 2017, the SBCAPCD published the most recent update to its *Scope and Content of Air Quality Sections in Environmental Documents* (Guidelines). The Guidelines establish criteria for determining the level of significance for project-specific impacts within its jurisdiction in accordance with the above CEQA checklist thresholds.

Based on the criteria suggested by the SBCAPCD Guidelines (2017), a proposed project would have a significant health risk impact if operation of the project would:

- Exceed the public notification health risk thresholds adopted by the SBCAPCD of 10 excess cancer cases in a million for cancer risk or a Hazard Index of more than 1.0 for non-cancer risk.

Impact Analysis

The maximum risk for the MEIW was identified approximately 83 meters east of the generator location, while the maximum risk for the MEIR was identified at 83 meters northwest of the generator location. Table 2 summarizes the risk and hazard values in comparison to the SBCAPCD threshold. Risk summaries for all receptor locations are provided in Attachment 4. As shown in Table 2, the MEIR and MEIW results do not exceed the SBCAPCD thresholds of 10 per million or the Hazard Index value of 1.0.

Table 2 Emergency Generator Health Impacts Summary

Receptor Scenario	Cancer Risk (per million)	Chronic Hazard Index
MEIR	<1	<0.01
MEIW	<1	<0.01
SBCAPCD Threshold	**10 per million**	**1.0**
Exceed Threshold	No	No

Source: Attachment 3 and Attachment 4

Conclusion

The screening analysis concluded that the 130-kW emergency generator would not result in cancer or non-cancer chronic risks in excess of the SBCAPCD thresholds. Therefore, operational health risk impacts from the project would be less than significant.

Sincerely,
Rincon Consultants, Inc.

Heather Dubois
Senior Air Quality Analyst

Attachments

Attachment 1 KOHLER Model: 125REOZJ4 208-600 V Diesel Tier 4 Generator Spec Sheet
Attachment 2 AERMOD Inputs and Output
Attachment 3 HARP2 Inputs and Outputs
Attachment 4 Risk Summaries

References

LAKES Environmental Software. 2018. Wind Rose Plot for the Lompoc H Steet 2012-1026. https://www.ourair.org/metdata/ (accessed October 2022).

Santa Barbara County Air Pollution Control District. 2017. Scope and Content of Air Quality Sections in Environmental Documents. July. https://www.ourair.org/wp-content/uploads/ScopeContentJune2017-LimitedUpdate.pdf (accessed August 2021).

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_____. 2021. Lompoc H Street Meteorological Data. N.d. https://www.ourair.org/metdata/ (accessed October 2022).

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Attachment 1

KOHLER Model: 125REOZJ4 208-600 V Diesel Tier 4 Generator Spec Sheet

KOHLER

Model: 125REOZJ4

208- 600 V **Diesel**

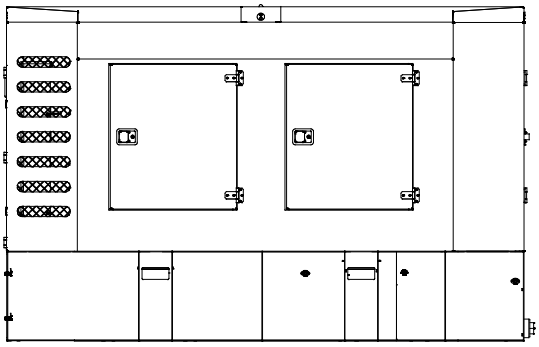
ISO 9001 KOHLER NATIONALLY REGISTERED

Tier 4 Final EPA-Certified for Stationary Emergency and Non-Emergency Applications

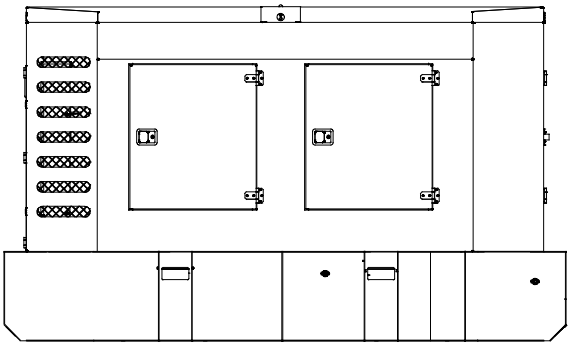
Ratings Range

		60 Hz
Standby:	**kW**	107- 130
	kVA	107- 162.5
Prime:	**kW**	99.5- 117
	kVA	99.5- 146

APPROVED FOR HVO RENEWABLE FUEL



Standard Skid Model



Field Draggaable Skid Model

Standard Features

- Kohler Co. provides one-source responsibility for the generating system and accessories.
- Approved for use with certified renewable Hydrotreated Vegetable Oil (HVO) / Renewable Diesel (RD) fuels compliant with EN15940/ ASTM D975.
- The generator set and its components are prototype-tested, factory-built, and production-tested.
- The 60 Hz generator set offers a UL 2200 listing.
- The generator set accepts rated load in one step.
- The 60 Hz generator set meets NFPA 110, Level 1, when equipped with the necessary accessories and installed per NFPA standards.
- A one-year limited warranty covers all generator set systems and components. Two- and five-year extended limited warranties are also available.
- Alternator features:
  - The unique Fast-Response® X excitation system delivers excellent voltage response and short-circuit capability using a rare-earth, permanent magnet (PM)-excited alternator.
  - The brushless, rotating-field alternator has broadrange reconnectability.
- Engine features:
  - The generator set engine is certified by the Environmental Protection Agency (EPA) to conform to Tier 4 Final nonroad emissions regulations.
  - Heavy-duty air cleaner with air restrictor indicator.
  - Lockable battery disconnect switch.
- Other features:
  - Kohler designed controller for one-source system integration and remote communication. See Controller on page 3.
  - The low coolant level shutdown prevents overheating.
  - Durable steel, sound-attenuating housing with quiet operation of 70 dB(A) log average @ 7 m (23 ft.) with full load at the prime rating.
  - Stainless steel hinges and lockable latches on doors.
  - 125% environmental containment basin for oil and coolant.
  - 110% secondary containment tank for fuel.
  - UL 142 listed subbase fuel tank for 24-hour run time with full load at the prime rating (minimum).
  - Fuel fill and Diesel Exhaust Fluid (DEF) fill with lockable caps.
  - Customer connection panel with main circuit breaker, remote start connection, and emergency stop switch.

Generator Set Ratings

				130°C Rise Standby Rating		105°C Rise Prime Rating	
Alternator	**Voltage**	**Ph**	**Hz**	**kW/kVA**	**Amps**	**kW/kVA**	**Amps**
	120/208	3	60	130/163	451	117/146	406
	120/240	3	60	125/156	376	113/141	340
4R13X	120/240	1	60	107/107	446	99/99	413
	277/480	3	60	130/163	195	117/146	176
	347/600	3	60	130/163	156	114/143	137

RATINGS: All three-phase units are rated at 0.8 power factor. All single-phase units are rated at 1.0 power factor. *Standby Ratings:* The standby rating is applicable to varying loads for the duration of a power outage. There is no overload capability for this rating. *Prime Power Ratings:* At varying load, the number of generator set operating hours is unlimited. A 10% overload capacity is available for one hour in twelve. Ratings are in accordance with ISO-8528-1 and ISO-3046-1. For limited running time ratings, consult the factory. Obtain technical information bulletin (TIB-101) for ratings guidelines, complete ratings definitions, and site condition derates. The generator set manufacturer reserves the right to change the design or specifications without notice and without any obligation or liability whatsoever.

Alternator Specifications

Specifications	Alternator
Manufacturer	Kohler
Type	4-Pole, Rotating-Field
Exciter type	Brushless, Rare-Earth Permanent-Magnet
Leads: quantity, type	12, Reconnectable 6, 600 Volt
Voltage regulator	Solid State, Volts/Hz
Insulation: Material Temperature rise	NEMA MG1 Class H 150°C, Standby
Bearing: quantity, type	1, Sealed
Coupling	Flexible Disc
Amortisseur windings	Full
Voltage regulation, no-load to full-load	±0.5%
One-step load acceptance	100% of Rating
Unbalanced load capability	100% of Rated Standby Current
Peak motor starting kVA:	(35% dip for voltages below)
480 V 4R13X (12 lead)	540

- NEMA MG1, IEEE, and ANSI standards compliance for temperature rise and motor starting.
- Sustained short-circuit current of up to 300% of the rated current for up to 10 seconds.
- Sustained short-circuit current enabling downstream circuit breakers to trip without collapsing the alternator field.
- Self-ventilated and dripproof construction.
- Windings are vacuum-impregnated with epoxy varnish for dependability and long life.
- Superior voltage waveform from a two-thirds pitch stator and skewed rotor.
- The unique Fast-Response® X excitation system delivers excellent voltage response and short-circuit capability using a rare-earth, permanent magnet (PM)-excited alternator.

Application Data

Engine

Engine Specifications	
Manufacturer	John Deere
Engine model, type	6068HG550 4-Cycle, Turbocharged, Charge Air Cooled
Cylinder arrangement	6 Inline
Displacement, L (cu. in.)	6.8 (415)
Bore and stroke, mm (in.)	106 x 127 (4.19 x 5.0)
Compression ratio	17.2:1
Piston speed, m/min. (ft./min.)	457.2 (1500)
Main bearings: quantity, type	7, Replaceable Insert
Rated rpm	1800
Max. power at rated rpm, kWm (BHP)	150 (201)
Cylinder head material	Cast Iron
Crankshaft material	Forged Steel
Valve material: Intake Exhaust	 Silicon-Chrome stem with Inconel head (NiCr) CrMo Alloy
Governor: type, make/model	Electronic
Frequency regulation, no-load to full-load	Isochronous
Frequency regulation, steady state	±0.5%
Frequency	Fixed
Air cleaner type, all models	Dry

Exhaust

Exhaust System	
Exhaust manifold type	Dry
Exhaust flow at rated kW, m^3/min. (cfm)	20.1 (710)
Exhaust temperature at rated kW, dry exhaust, °C (°F)	389 (732)
Allowable back pressure, kPa (in. Hg)	11 (3.25)
Back pressure available after losses due to exhaust aftertreatment system, kPa (in.Hg)	2.3 (0.7)
Exhaust outlet size at user connection point, mm (in.)	76.2 (3.0)

Engine Electrical

Engine Electrical System	
Battery charging alternator:	
Ground (negative/positive)	Negative
Volts (DC)	24
Ampere rating	60
Starter motor rated voltage (DC)	24
Battery, recommended cold cranking amps (CCA):	
Quantity, CCA rating each	Two, 400
Battery voltage (DC)	12

Fuel

Fuel System	
Fuel supply line, min. ID, mm (in.)	8 (0.31)
Fuel return line, min. ID, mm (in.)	4.8 (0.19)
Max. lift, fuel pump: type, m (ft.)	Electronic, 1.8 (6.0)
Max. fuel flow, Lph (gph)	138.5 (36.6)
Max. return line restriction, kPa (in. Hg)	40 (11.8)
Fuel prime pump	Automatic
Fuel filter	
Primary	2 Microns
Recommended fuel	ASTM D975 or EN 590 Ultra Low Sulfur Diesel (ULSD) with sulfur content <15 mg/kg (15 ppm) / RD / HVO

Lubrication

Lubricating System	
Type	Full Pressure
Oil pan capacity, L (qt.) §	15.1 (16.0)
Oil pan capacity with filter, L (qt.) §	15.6 (16.5)
Oil filter: quantity, type §	One, Cartridge
Oil cooler	Water-Cooled
Oil type §	API CJ-4 or ACEA E6- E9

§ Kohler recommends the use of Kohler Genuine oil and filters.

Application Data

Cooling

Radiator System	
Ambient temperature at standby rating, °C (°F)	45 (113)
Ambient temperature at prime power ratings, °C (°F)	50 (122)
Engine jacket water capacity, L (gal.)	11.9 (3.2)
Radiator system capacity, including engine, L (gal.)	35.6 (9.4)
Engine jacket water flow, Lpm (gpm)	416 (110)
Heat rejected to cooling water at standby rated kW, dry exhaust, kW (Btu/min.)	97 (5521)
Heat rejected to charge air cooler at standby rated kW, dry exhaust, kW (Btu/min.)	21 (1195)
Water pump type	Centrifugal
Fan diameter, including blades, mm (in.)	746 (29.4)
Fan, kWm (HP)	2.8 (3.8)
Max. restriction of cooling air, intake and discharge side of radiator, kPa (in. H_2O)	0.125 (0.5)

Operation Requirements

Air Requirements	
Radiator-cooled cooling air, m^3/min. (scfm) *	283 (10000)
Combustion air, m^3/min. (cfm)	9.7 (343)
Heat rejected to ambient air:	
Engine, kW (Btu/min.)	20 (1138)
Alternator, kW (Btu/min.)	14.8 (1842)

* Air density = 1.20 kg/m^3 (0.075 lbm/ft^3)

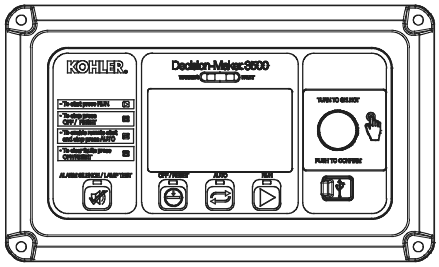
Fuel Consumption**	
Diesel, Lph (gph) at % load	**Standby Rating**
100%	34.0 (9.4)
75%	27.2 (7.2)
50%	19.3 (5.1)
25%	11.3 (3.0)
Diesel, Lph (gph) at % load	**Prime Rating**
100%	32.5 (8.6)
75%	25.0 (6.6)
50%	17.8 (4.7)
25%	10.6 (2.8)

** Fuel consumption is up to 4% higher when using HVO/RD than #2 ULSD.

Sound Enclosure

- Durable steel, sound-attenuating housing with quiet operation of 70 dB(A) log average @ 7 m (23 ft.) with full load at the prime rating.
- Internal-mounted silencer and flexible exhaust connector.
- Fade-, scratch, and corrosion-resistant Kohler® Power Armor™ automotive-grade textured finish.
- Stainless steel hinges and lockable latches on doors.
- Acoustic insulation that meets UL 94 HF1 flammability classification and repels moisture absorption.
- 110% environmental containment basin for fuel, oil, and coolant.

Controller

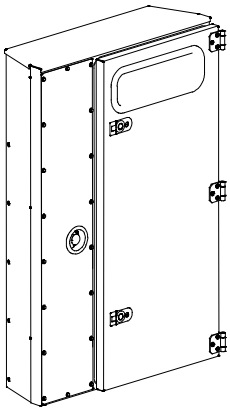


Decision-Maker® 3500 Paralleling Controller
Provides advanced control, system monitoring, and system diagnostics for optimum performance and compatibility.

- Paralleling capability with bus sensing, first-on logic, synchronizer, and (isochronous, droop, and external controlled) load sharing
- Digital display with adjustable contrast and menu control provide easy local data access
- Measurements are selectable in metric or English units
- Remote communication thru a PC via network or serial configuration
- Controller supports Modbus® protocol
- Integrated hybrid voltage regulator with ±0.5% regulation
- Potted circuitry for protection from vibration and debris
- Built-in alternator thermal overload protection
- NFPA 110 Level 1 capability

Modbus® is a registered trademark of Schneider Electric.

Customer Connection Panel



- Viewable generator set controller with security cover
- Emergency stop switch
- Main line circuit breaker
  - Reconnectable models: Rating 600 amps, field adjustable based on voltage selected
  - 600 Volt models: Rating 250 amps, field adjustable
- Power connections for Available Options (battery charger and battery heater)
- Remote start connection

Fuel and DEF Tanks

- Subbase fuel tank for 24-hour run time with full load at prime rating (minimum).
- Fuel tank includes the fuel level gauge, fuel fill with lockable cap, and normal/emergency vents.
- The secondary containment tank's construction protects against fuel leaks or ruptures. The inner (primary) tank is sealed inside the outer (secondary) tank. The outer tank contains the fuel if the inner tank leaks or ruptures.
- DEF tank with DEF quality sensor.

Tank Specifications	
Diesel tank. capacity	923 L (244 gal.)
DEF tank. capacity	44.2 L (11.7 gal.)
Recommended DEF	AUS 32 according to ISO 22241-1

KOHLER

KOHLER CO., Kohler, Wisconsin 53044 USA
Phone 920-457-4441, Fax 920-459-1646
For the nearest sales and service outlet in the US and Canada, phone 1-800-544-2444
KOHLERPower.com

Standard Features

- Alternator Protection
- Batteries, Battery Rack, and Cables
- Integral Vibration Isolation
- Local Emergency Stop Switch
- Oil and Coolant Drain Extensions
- Operation and Installation Literature

Tier 4 Final Technologies Applied

- Diesel Oxidation Catalyst (DOC)
- Diesel Particulate Filter (DPF)
- High Pressure Common Rail (HPCR)
- Selective Catalytic Reduction (SCR)
- Variable Geometry Turbocharger (VGT)

Available Options

Approvals and Listings

- ❑ CSA Certified
- ❑ UL 2200 Listing (requires standard skid)

Controller

- ❑ 15-Relay Dry Contact
- ❑ Remote Annunciator Panel

Electrical System

- ❑ Battery Chargers (qty. 2)
- ❑ Battery Heater
- ❑ Block Heater; 1800 W, 120 V, 1 ph.
  Required for ambient temperature below 0°C (32°F).

Fuel System

- ❑ Two-Way Fuel Valve
  (for connection of a user-supplied external fuel tank)

Skid

- ❑ Fuel Tank
- ❑ Draggable Fuel Tank
  (heavy gauge steel skid with integrated drains and pull bars)

Miscellaneous

- ❑ Engine Fluids Added

Literature

- ❑ General Maintenance
- ❑ NFPA 110
- ❑ Overhaul
- ❑ Production

Warranty

- ❑ 2-Year Basic Limited Warranty
- ❑ 2-Year Prime Limited Warranty
- ❑ 5-Year Basic Limited Warranty
- ❑ 5-Year Comprehensive Limited Warranty

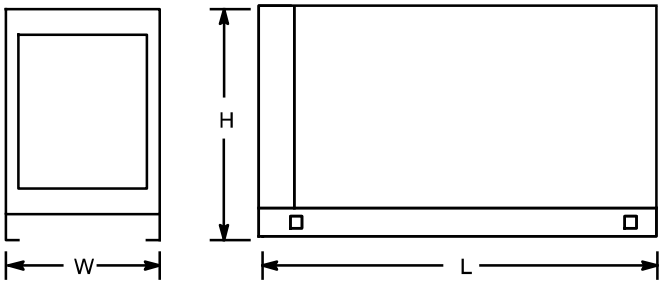
Other Options

- ❑ _____
- ❑ _____
- ❑ _____
- ❑ _____
- ❑ _____

Dimensions and Weights

Overall Size, L x W x H, mm (in.):	3531 x 1191 x 2276
Fuel Tank	(139.0 x 46.9 x 89.6)
Weight, with engine fluids (no fuel), kg (lb.):	3501 (7719)

Overall Size, L x W x H, mm (in.):	3835 x 1191 x 2276
Draggable Fuel Tank	(151.0 x 46.9 x 89.6)
Weight, with engine fluids (no fuel), kg (lb.):	3570 (7870)



NOTE: This drawing is provided for reference only and should not be used for planning. Contact your local distributor for more detailed information.

DISTRIBUTED BY:

Attachment 2

AERMOD Inputs and Output

Red Eye Kite
AERMOD Input Assumptions

Paramaters	Inputs	Input Values
Source	Source type	POINT
	Release Height	2276 mm / 89.6 in / 2.276 m[1]
	Emission rate	1 g/s
	Stack Inside Diameter	76.2 mm / 3 in / 0.0762 m[1]
	Gas Exit Temperature	389 C / 732 F / 662.03888889 K[1]
	Gas Exit Flow Rate	20.1 m3/ 710 cfm[1]
	Variable emissions	operational Mon - Sat, 9AM to 9 PM
Building	Include building downwash	Yes
	Building height	19 ft / 5.7912 m
	Type	Polygonyal
Meteorology	Surface Met Data	Lompoc H Street[2]
	Start year	2012
	End Year	2016
	Anemometer height	40 m
Terrain	Include terrain	USGS NED 1/3
Discrete receptors		
	Spacing	25 meters
	Residential (receptor numbers)	1 - 398
	Worker (receptor numbers, offsite)	399 - 724
Other inputs	Pollutant	PM10
	Averaging Times	1-hr, Period
	Rural/urban	Urban
	Input population[3]	42,434
	Use flagpole receptors	No

Sources

1 Kohler Model 125REOZJ4 Spec Sheet (Attachment 1)
2 SBAPCD Meteorological Data - https://www.ourair.org/metdata/
3 Lompoc 2010 Census Data https://www.census.gov/quickfacts/lompoccitycalifornia

```
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.0
** Lakes Environmental Software Inc.
** Date: 10/7/2022
** File: C:\Lakes\Project Files\RedEyeKite\RedEyeKite.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\Project Files\RedEyeKite\RedEyeKite.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 42434 Lompoc_2010_Census
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL RedEyeKite.err
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION GEN          POINT      734675.350  3836554.350       36.380
** DESCRSRC Emergency Generator
** Source Parameters **
   SRCPARAM GEN                1.0     2.276   662.039 790.90046     0.023

** Building Downwash **
   BUILDHGT GEN              5.79     5.79     5.79     5.79     5.79     5.79
   BUILDHGT GEN              5.79     5.79     5.79     5.79     5.79     5.79
   BUILDHGT GEN              5.79     5.79     5.79     5.79     5.79     5.79
   BUILDHGT GEN              5.79     5.79     5.79     5.79     5.79     5.79
   BUILDHGT GEN              5.79     5.79     5.79     5.79     5.79     5.79
   BUILDHGT GEN              5.79     5.79     5.79     5.79     5.79     5.79

   BUILDWID GEN             33.77    35.61    36.38    36.03    35.69    35.14
   BUILDWID GEN             33.52    30.89    27.31    31.01    33.84    35.65
   BUILDWID GEN             36.38    36.00    36.04    35.28    33.45    30.90
   BUILDWID GEN             33.77    35.61    36.38    36.03    35.69    35.14
   BUILDWID GEN             33.52    30.89    27.31    31.01    33.84    35.65
   BUILDWID GEN             36.38    36.00    36.04    35.28    33.45    30.90

   BUILDLEN GEN             31.01    33.84    35.65    36.38    36.00    36.04
   BUILDLEN GEN             35.28    33.45    30.90    33.77    35.61    36.38
   BUILDLEN GEN             36.03    35.69    35.14    33.52    30.89    27.31
   BUILDLEN GEN             31.01    33.84    35.65    36.38    36.00    36.04
   BUILDLEN GEN             35.28    33.45    30.90    33.77    35.61    36.38
   BUILDLEN GEN             36.03    35.69    35.14    33.52    30.89    27.31

   XBADJ    GEN            -20.40   -23.89   -26.65   -28.59   -29.67   -31.37
   XBADJ    GEN            -32.41   -32.46   -31.60   -33.03   -33.46   -32.87
   XBADJ    GEN            -31.28   -28.75   -25.33   -21.15   -16.33   -11.01
   XBADJ    GEN            -10.60    -9.96    -9.01    -7.78    -6.32    -4.67
   XBADJ    GEN             -2.87    -0.99     0.70    -0.74    -2.15    -3.50
   XBADJ    GEN             -4.75    -6.95    -9.81   -12.37   -14.56   -16.30

   YBADJ    GEN             16.15    15.65    14.68    13.27    10.90     7.76
   YBADJ    GEN              4.39     0.89    -2.65    -4.90    -6.97    -8.82
   YBADJ    GEN            -10.41   -11.68   -13.35   -14.77   -15.73   -16.15
   YBADJ    GEN            -16.15   -15.65   -14.68   -13.27   -10.90    -7.76
   YBADJ    GEN             -4.39    -0.89     2.65     4.90     6.97     8.82
   YBADJ    GEN             10.41    11.68    13.35    14.77    15.73    16.15

   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT GEN          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT GEN          HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT GEN          HRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT GEN          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT GEN          HRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT GEN          HRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT GEN          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT GEN          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED RedEyeKite.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE Lompoc12-16.SFC
   PROFFILE Lompoc12-16.PFL
   SURFDATA 723965 2012 Lompoc_-_H_Street_2012_t_o2016
   UAIRDATA 93214 2012
   SITEDATA 8 2012
   PROFBASE 40.0 METERS
```

```
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST RedEyeKite.AD\01H1GALL.PLT 31
   PLOTFILE PERIOD ALL RedEyeKite.AD\PE00GALL.PLT 32
   SUMMFILE RedEyeKite.sum
OU FINISHED


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

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

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


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


    ********   WARNING MESSAGES   ********
 SO W320      39        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
 MX W403     120       PFLCNV: Turbulence data is being used w/o ADJ_U* option       SigA Data

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** MODEL SETUP OPTIONS SUMMARY ***

- -

**Model Is Setup For Calculation of Average CONCentration Values.

-- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 1 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 42434.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:
1. Stack-tip Downwash.
2. Model Accounts for ELEVated Terrain Effects.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.
6. Urban Roughness Length of 1.0 Meter Assumed.

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: PM_10

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates PERIOD Averages

**This Run Includes: 1 Source(s); 1 Source Group(s); and 724 Receptor(s)

with: 1 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 0 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:
Model Outputs Tables of PERIOD Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 40.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

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

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

**Detailed Error/Message File: RedEyeKite.err
**File for Summary of Results: RedEyeKite.sum

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
GEN	0	0.10000E+01	734675.4	3836554.3	36.4	2.28	662.04	790.90	0.02	YES	YES	NO	HRDOW

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	GEN ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
42434.	GEN	,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: GEN

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	5.8,	33.8,	31.0,	-20.4,	16.2,	2	5.8,	35.6,	33.8,	-23.9,	15.7,
3	5.8,	36.4,	35.6,	-26.7,	14.7,	4	5.8,	36.0,	36.4,	-28.6,	13.3,
5	5.8,	35.7,	36.0,	-29.7,	10.9,	6	5.8,	35.1,	36.0,	-31.4,	7.8,
7	5.8,	33.5,	35.3,	-32.4,	4.4,	8	5.8,	30.9,	33.4,	-32.5,	0.9,
9	5.8,	27.3,	30.9,	-31.6,	-2.6,	10	5.8,	31.0,	33.8,	-33.0,	-4.9,
11	5.8,	33.8,	35.6,	-33.5,	-7.0,	12	5.8,	35.6,	36.4,	-32.9,	-8.8,
13	5.8,	36.4,	36.0,	-31.3,	-10.4,	14	5.8,	36.0,	35.7,	-28.8,	-11.7,
15	5.8,	36.0,	35.1,	-25.3,	-13.4,	16	5.8,	35.3,	33.5,	-21.2,	-14.8,
17	5.8,	33.4,	30.9,	-16.3,	-15.7,	18	5.8,	30.9,	27.3,	-11.0,	-16.2,
19	5.8,	33.8,	31.0,	-10.6,	-16.2,	20	5.8,	35.6,	33.8,	-10.0,	-15.7,
21	5.8,	36.4,	35.6,	-9.0,	-14.7,	22	5.8,	36.0,	36.4,	-7.8,	-13.3,
23	5.8,	35.7,	36.0,	-6.3,	-10.9,	24	5.8,	35.1,	36.0,	-4.7,	-7.8,
25	5.8,	33.5,	35.3,	-2.9,	-4.4,	26	5.8,	30.9,	33.4,	-1.0,	-0.9,
27	5.8,	27.3,	30.9,	0.7,	2.6,	28	5.8,	31.0,	33.8,	-0.7,	4.9,
29	5.8,	33.8,	35.6,	-2.1,	7.0,	30	5.8,	35.6,	36.4,	-3.5,	8.8,
31	5.8,	36.4,	36.0,	-4.8,	10.4,	32	5.8,	36.0,	35.7,	-7.0,	11.7,
33	5.8,	36.0,	35.1,	-9.8,	13.4,	34	5.8,	35.3,	33.5,	-12.4,	14.8,
35	5.8,	33.4,	30.9,	-14.6,	15.7,	36	5.8,	30.9,	27.3,	-16.3,	16.2,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = GEN ; SOURCE TYPE = POINT :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

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

(734293.0,	3836155.0,	34.3,	248.3,	0.0);	(734318.0,	3836155.0,	34.5,	248.3,	0.0);
(734343.0,	3836155.0,	34.6,	248.3,	0.0);	(734368.0,	3836155.0,	34.7,	248.3,	0.0);
(734393.0,	3836155.0,	34.8,	248.3,	0.0);	(734418.0,	3836155.0,	34.9,	248.3,	0.0);
(734443.0,	3836155.0,	35.1,	248.3,	0.0);	(734468.0,	3836155.0,	35.2,	248.3,	0.0);
(734493.0,	3836155.0,	35.3,	248.3,	0.0);	(734518.0,	3836155.0,	35.3,	248.3,	0.0);
(734543.0,	3836155.0,	35.5,	245.6,	0.0);	(734568.0,	3836155.0,	35.6,	245.6,	0.0);
(734593.0,	3836155.0,	35.7,	245.3,	0.0);	(734618.0,	3836155.0,	35.9,	222.8,	0.0);
(734293.0,	3836180.0,	34.5,	248.3,	0.0);	(734318.0,	3836180.0,	34.7,	248.3,	0.0);
(734343.0,	3836180.0,	34.9,	248.3,	0.0);	(734368.0,	3836180.0,	35.0,	248.3,	0.0);
(734393.0,	3836180.0,	35.1,	248.3,	0.0);	(734418.0,	3836180.0,	35.2,	248.3,	0.0);
(734443.0,	3836180.0,	35.3,	246.6,	0.0);	(734468.0,	3836180.0,	35.4,	245.6,	0.0);
(734493.0,	3836180.0,	35.5,	245.3,	0.0);	(734518.0,	3836180.0,	35.5,	245.3,	0.0);
(734543.0,	3836180.0,	35.7,	245.3,	0.0);	(734568.0,	3836180.0,	35.8,	222.8,	0.0);
(734593.0,	3836180.0,	35.9,	222.8,	0.0);	(734618.0,	3836180.0,	36.0,	222.8,	0.0);
(734293.0,	3836205.0,	34.8,	248.3,	0.0);	(734318.0,	3836205.0,	34.9,	246.6,	0.0);
(734343.0,	3836205.0,	35.1,	246.6,	0.0);	(734368.0,	3836205.0,	35.2,	245.6,	0.0);
(734393.0,	3836205.0,	35.3,	245.6,	0.0);	(734418.0,	3836205.0,	35.4,	245.3,	0.0);
(734443.0,	3836205.0,	35.5,	245.3,	0.0);	(734468.0,	3836205.0,	35.6,	245.3,	0.0);
(734493.0,	3836205.0,	35.6,	222.8,	0.0);	(734518.0,	3836205.0,	35.7,	222.8,	0.0);
(734543.0,	3836205.0,	35.8,	222.8,	0.0);	(734568.0,	3836205.0,	35.8,	222.8,	0.0);
(734593.0,	3836205.0,	35.9,	222.8,	0.0);	(734618.0,	3836205.0,	36.0,	222.8,	0.0);
(734293.0,	3836230.0,	34.8,	245.6,	0.0);	(734318.0,	3836230.0,	34.9,	245.3,	0.0);
(734343.0,	3836230.0,	35.1,	245.3,	0.0);	(734368.0,	3836230.0,	35.1,	245.3,	0.0);
(734393.0,	3836230.0,	35.2,	222.8,	0.0);	(734418.0,	3836230.0,	35.4,	222.8,	0.0);
(734443.0,	3836230.0,	35.5,	222.8,	0.0);	(734468.0,	3836230.0,	35.6,	222.8,	0.0);
(734493.0,	3836230.0,	35.6,	222.8,	0.0);	(734518.0,	3836230.0,	35.6,	222.8,	0.0);
(734543.0,	3836230.0,	35.8,	222.8,	0.0);	(734568.0,	3836230.0,	35.8,	222.8,	0.0);
(734593.0,	3836230.0,	35.8,	222.8,	0.0);	(734618.0,	3836230.0,	36.0,	222.8,	0.0);
(734293.0,	3836255.0,	34.9,	222.8,	0.0);	(734318.0,	3836255.0,	35.0,	222.8,	0.0);
(734343.0,	3836255.0,	35.1,	222.8,	0.0);	(734368.0,	3836255.0,	35.2,	222.8,	0.0);
(734393.0,	3836255.0,	35.3,	222.8,	0.0);	(734418.0,	3836255.0,	35.4,	222.8,	0.0);
(734443.0,	3836255.0,	35.5,	222.8,	0.0);	(734468.0,	3836255.0,	35.6,	222.8,	0.0);
(734493.0,	3836255.0,	35.6,	222.8,	0.0);	(734518.0,	3836255.0,	35.6,	222.8,	0.0);
(734543.0,	3836255.0,	35.7,	222.8,	0.0);	(734568.0,	3836255.0,	35.7,	222.8,	0.0);
(734593.0,	3836255.0,	35.8,	222.8,	0.0);	(734618.0,	3836255.0,	35.9,	222.8,	0.0);
(734293.0,	3836280.0,	34.8,	222.8,	0.0);	(734318.0,	3836280.0,	35.0,	222.8,	0.0);
(734343.0,	3836280.0,	35.1,	222.8,	0.0);	(734368.0,	3836280.0,	35.2,	222.8,	0.0);
(734393.0,	3836280.0,	35.2,	222.8,	0.0);	(734418.0,	3836280.0,	35.3,	222.8,	0.0);
(734443.0,	3836280.0,	35.4,	222.8,	0.0);	(734468.0,	3836280.0,	35.5,	222.8,	0.0);
(734493.0,	3836280.0,	35.5,	222.8,	0.0);	(734518.0,	3836280.0,	35.5,	222.8,	0.0);
(734543.0,	3836280.0,	35.6,	222.8,	0.0);	(734568.0,	3836280.0,	35.6,	222.8,	0.0);
(734593.0,	3836280.0,	35.7,	222.8,	0.0);	(734618.0,	3836280.0,	35.7,	222.8,	0.0);
(734293.0,	3836305.0,	34.8,	222.8,	0.0);	(734318.0,	3836305.0,	34.9,	222.8,	0.0);
(734343.0,	3836305.0,	35.0,	222.8,	0.0);	(734368.0,	3836305.0,	35.0,	222.8,	0.0);
(734393.0,	3836305.0,	35.1,	222.8,	0.0);	(734418.0,	3836305.0,	35.2,	222.8,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

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

(734443.0,	3836305.0,	35.3,	222.8,	0.0);	(734468.0,	3836305.0,	35.3,	222.8,	0.0);
(734493.0,	3836305.0,	35.3,	222.8,	0.0);	(734518.0,	3836305.0,	35.3,	222.8,	0.0);
(734543.0,	3836305.0,	35.4,	222.8,	0.0);	(734568.0,	3836305.0,	35.5,	222.8,	0.0);
(734593.0,	3836305.0,	35.5,	222.8,	0.0);	(734618.0,	3836305.0,	35.6,	222.8,	0.0);
(734293.0,	3836330.0,	34.8,	222.8,	0.0);	(734318.0,	3836330.0,	34.8,	222.8,	0.0);
(734343.0,	3836330.0,	34.9,	222.8,	0.0);	(734368.0,	3836330.0,	34.9,	222.8,	0.0);
(734393.0,	3836330.0,	35.0,	222.8,	0.0);	(734418.0,	3836330.0,	35.0,	222.8,	0.0);
(734443.0,	3836330.0,	35.1,	222.8,	0.0);	(734468.0,	3836330.0,	35.2,	222.8,	0.0);
(734493.0,	3836330.0,	35.2,	222.8,	0.0);	(734518.0,	3836330.0,	35.2,	222.8,	0.0);
(734543.0,	3836330.0,	35.3,	222.8,	0.0);	(734568.0,	3836330.0,	35.4,	222.8,	0.0);
(734593.0,	3836330.0,	35.4,	222.8,	0.0);	(734618.0,	3836330.0,	35.6,	222.8,	0.0);
(734293.0,	3836355.0,	34.9,	222.8,	0.0);	(734318.0,	3836355.0,	35.0,	222.8,	0.0);
(734343.0,	3836355.0,	35.0,	222.8,	0.0);	(734368.0,	3836355.0,	35.1,	222.8,	0.0);
(734393.0,	3836355.0,	35.2,	222.8,	0.0);	(734418.0,	3836355.0,	35.1,	222.8,	0.0);
(734443.0,	3836355.0,	35.2,	222.8,	0.0);	(734468.0,	3836355.0,	35.4,	222.8,	0.0);
(734493.0,	3836355.0,	35.4,	222.8,	0.0);	(734518.0,	3836355.0,	35.4,	222.8,	0.0);
(734543.0,	3836355.0,	35.4,	222.8,	0.0);	(734568.0,	3836355.0,	35.5,	222.8,	0.0);
(734593.0,	3836355.0,	35.6,	222.8,	0.0);	(734618.0,	3836355.0,	35.7,	222.8,	0.0);
(734293.0,	3836380.0,	35.0,	222.8,	0.0);	(734318.0,	3836380.0,	35.1,	222.8,	0.0);
(734343.0,	3836380.0,	35.0,	222.8,	0.0);	(734368.0,	3836380.0,	35.2,	222.8,	0.0);
(734393.0,	3836380.0,	35.3,	222.8,	0.0);	(734418.0,	3836380.0,	35.2,	222.8,	0.0);
(734443.0,	3836380.0,	35.3,	222.8,	0.0);	(734468.0,	3836380.0,	35.4,	222.8,	0.0);
(734493.0,	3836380.0,	35.5,	222.8,	0.0);	(734518.0,	3836380.0,	35.5,	222.8,	0.0);
(734543.0,	3836380.0,	35.5,	222.8,	0.0);	(734568.0,	3836380.0,	35.6,	222.8,	0.0);
(734593.0,	3836380.0,	35.7,	222.8,	0.0);	(734618.0,	3836380.0,	35.7,	222.8,	0.0);
(734293.0,	3836405.0,	35.1,	222.8,	0.0);	(734318.0,	3836405.0,	35.2,	222.8,	0.0);
(734343.0,	3836405.0,	35.1,	222.8,	0.0);	(734368.0,	3836405.0,	35.2,	222.8,	0.0);
(734393.0,	3836405.0,	35.3,	222.8,	0.0);	(734418.0,	3836405.0,	35.2,	222.8,	0.0);
(734443.0,	3836405.0,	35.4,	222.8,	0.0);	(734468.0,	3836405.0,	35.5,	222.8,	0.0);
(734493.0,	3836405.0,	35.5,	222.8,	0.0);	(734518.0,	3836405.0,	35.5,	222.8,	0.0);
(734543.0,	3836405.0,	35.6,	222.8,	0.0);	(734568.0,	3836405.0,	35.7,	222.8,	0.0);
(734593.0,	3836405.0,	35.7,	222.8,	0.0);	(734618.0,	3836405.0,	35.7,	222.8,	0.0);
(734293.0,	3836430.0,	35.1,	222.8,	0.0);	(734318.0,	3836430.0,	35.2,	222.8,	0.0);
(734343.0,	3836430.0,	35.1,	222.8,	0.0);	(734368.0,	3836430.0,	35.3,	222.8,	0.0);
(734393.0,	3836430.0,	35.4,	222.8,	0.0);	(734418.0,	3836430.0,	35.3,	222.8,	0.0);
(734443.0,	3836430.0,	35.4,	222.8,	0.0);	(734468.0,	3836430.0,	35.5,	222.8,	0.0);
(734493.0,	3836430.0,	35.5,	222.8,	0.0);	(734518.0,	3836430.0,	35.5,	222.8,	0.0);
(734543.0,	3836430.0,	35.6,	222.8,	0.0);	(734568.0,	3836430.0,	35.7,	222.8,	0.0);
(734593.0,	3836430.0,	35.8,	222.8,	0.0);	(734618.0,	3836430.0,	35.8,	222.8,	0.0);
(734293.0,	3836455.0,	35.2,	222.8,	0.0);	(734318.0,	3836455.0,	35.2,	222.8,	0.0);
(734343.0,	3836455.0,	35.2,	222.8,	0.0);	(734368.0,	3836455.0,	35.3,	222.8,	0.0);
(734393.0,	3836455.0,	35.4,	222.8,	0.0);	(734418.0,	3836455.0,	35.4,	222.8,	0.0);
(734443.0,	3836455.0,	35.5,	222.8,	0.0);	(734468.0,	3836455.0,	35.6,	222.8,	0.0);
(734493.0,	3836455.0,	35.6,	222.8,	0.0);	(734518.0,	3836455.0,	35.6,	222.8,	0.0);
(734543.0,	3836455.0,	35.7,	222.8,	0.0);	(734568.0,	3836455.0,	35.8,	222.8,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

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

(734593.0,	3836455.0,	35.9,	222.8,	0.0);	(734618.0,	3836455.0,	36.0,	222.8,	0.0);
(734293.0,	3836480.0,	35.1,	222.8,	0.0);	(734318.0,	3836480.0,	35.2,	222.8,	0.0);
(734343.0,	3836480.0,	35.2,	222.8,	0.0);	(734368.0,	3836480.0,	35.3,	222.8,	0.0);
(734393.0,	3836480.0,	35.4,	222.8,	0.0);	(734418.0,	3836480.0,	35.4,	222.8,	0.0);
(734443.0,	3836480.0,	35.5,	222.8,	0.0);	(734468.0,	3836480.0,	35.6,	222.8,	0.0);
(734493.0,	3836480.0,	35.6,	222.8,	0.0);	(734518.0,	3836480.0,	35.6,	222.8,	0.0);
(734543.0,	3836480.0,	35.7,	222.8,	0.0);	(734568.0,	3836480.0,	35.8,	222.8,	0.0);
(734593.0,	3836480.0,	36.0,	222.8,	0.0);	(734618.0,	3836480.0,	36.2,	222.8,	0.0);
(734293.0,	3836505.0,	35.3,	222.8,	0.0);	(734318.0,	3836505.0,	35.3,	222.8,	0.0);
(734343.0,	3836505.0,	35.3,	222.8,	0.0);	(734368.0,	3836505.0,	35.4,	222.8,	0.0);
(734393.0,	3836505.0,	35.4,	222.8,	0.0);	(734418.0,	3836505.0,	35.4,	222.8,	0.0);
(734443.0,	3836505.0,	35.5,	222.8,	0.0);	(734468.0,	3836505.0,	35.6,	222.8,	0.0);
(734493.0,	3836505.0,	35.6,	222.8,	0.0);	(734518.0,	3836505.0,	35.7,	222.8,	0.0);
(734543.0,	3836505.0,	35.8,	222.8,	0.0);	(734568.0,	3836505.0,	35.9,	222.8,	0.0);
(734593.0,	3836505.0,	36.1,	222.8,	0.0);	(734618.0,	3836505.0,	36.2,	222.8,	0.0);
(734293.0,	3836530.0,	35.4,	222.8,	0.0);	(734318.0,	3836530.0,	35.4,	222.8,	0.0);
(734343.0,	3836530.0,	35.3,	222.8,	0.0);	(734368.0,	3836530.0,	35.4,	222.8,	0.0);
(734393.0,	3836530.0,	35.5,	222.8,	0.0);	(734418.0,	3836530.0,	35.4,	222.8,	0.0);
(734443.0,	3836530.0,	35.6,	222.8,	0.0);	(734468.0,	3836530.0,	35.6,	222.8,	0.0);
(734493.0,	3836530.0,	35.6,	222.8,	0.0);	(734518.0,	3836530.0,	35.7,	222.8,	0.0);
(734543.0,	3836530.0,	35.8,	222.8,	0.0);	(734568.0,	3836530.0,	35.9,	222.8,	0.0);
(734593.0,	3836530.0,	36.0,	222.8,	0.0);	(734611.0,	3836528.6,	36.2,	222.8,	0.0);
(734293.0,	3836555.0,	35.5,	222.8,	0.0);	(734318.0,	3836555.0,	35.4,	222.8,	0.0);
(734343.0,	3836555.0,	35.2,	222.8,	0.0);	(734368.0,	3836555.0,	35.4,	222.8,	0.0);
(734393.0,	3836555.0,	35.5,	222.8,	0.0);	(734418.0,	3836555.0,	35.4,	222.8,	0.0);
(734443.0,	3836555.0,	35.6,	222.8,	0.0);	(734468.0,	3836555.0,	35.6,	222.8,	0.0);
(734493.0,	3836555.0,	35.6,	222.8,	0.0);	(734518.0,	3836555.0,	35.7,	222.8,	0.0);
(734543.0,	3836555.0,	35.8,	222.8,	0.0);	(734568.0,	3836555.0,	35.9,	222.8,	0.0);
(734593.0,	3836555.0,	36.0,	222.8,	0.0);	(734610.3,	3836554.5,	36.0,	222.8,	0.0);
(734293.0,	3836580.0,	35.4,	222.8,	0.0);	(734318.0,	3836580.0,	35.4,	222.8,	0.0);
(734343.0,	3836580.0,	35.2,	222.8,	0.0);	(734368.0,	3836580.0,	35.4,	222.8,	0.0);
(734393.0,	3836580.0,	35.5,	222.8,	0.0);	(734418.0,	3836580.0,	35.4,	222.8,	0.0);
(734443.0,	3836580.0,	35.5,	222.8,	0.0);	(734468.0,	3836580.0,	35.6,	222.8,	0.0);
(734493.0,	3836580.0,	35.6,	222.8,	0.0);	(734518.0,	3836580.0,	35.6,	222.8,	0.0);
(734543.0,	3836580.0,	35.8,	222.8,	0.0);	(734568.0,	3836580.0,	35.8,	222.8,	0.0);
(734593.0,	3836580.0,	35.8,	222.8,	0.0);	(734610.3,	3836580.0,	35.9,	222.8,	0.0);
(734293.0,	3836605.0,	35.4,	222.8,	0.0);	(734318.0,	3836605.0,	35.3,	222.8,	0.0);
(734343.0,	3836605.0,	35.1,	222.8,	0.0);	(734368.0,	3836605.0,	35.4,	222.8,	0.0);
(734393.0,	3836605.0,	35.4,	222.8,	0.0);	(734418.0,	3836605.0,	35.3,	222.8,	0.0);
(734443.0,	3836605.0,	35.5,	222.8,	0.0);	(734468.0,	3836605.0,	35.6,	222.8,	0.0);
(734493.0,	3836605.0,	35.6,	222.8,	0.0);	(734518.0,	3836605.0,	35.6,	222.8,	0.0);
(734543.0,	3836605.0,	35.7,	222.8,	0.0);	(734568.0,	3836605.0,	35.7,	222.8,	0.0);
(734593.0,	3836605.0,	35.7,	222.8,	0.0);	(734609.6,	3836605.0,	35.8,	222.8,	0.0);
(734293.0,	3836630.0,	35.3,	222.8,	0.0);	(734318.0,	3836630.0,	35.3,	222.8,	0.0);
(734343.0,	3836630.0,	35.1,	222.8,	0.0);	(734368.0,	3836630.0,	35.3,	222.8,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

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

(	734393.0,	3836630.0,	35.4,	222.8,	0.0);	(	734418.0,	3836630.0,	35.3,	222.8,	0.0);
(	734443.0,	3836630.0,	35.4,	222.8,	0.0);	(	734468.0,	3836630.0,	35.5,	222.8,	0.0);
(	734493.0,	3836630.0,	35.5,	222.8,	0.0);	(	734518.0,	3836630.0,	35.5,	222.8,	0.0);
(	734543.0,	3836630.0,	35.7,	222.8,	0.0);	(	734568.0,	3836630.0,	35.7,	222.8,	0.0);
(	734593.0,	3836630.0,	35.7,	222.8,	0.0);	(	734609.3,	3836629.5,	35.8,	222.8,	0.0);
(	734293.0,	3836655.0,	35.1,	35.1,	0.0);	(	734318.0,	3836655.0,	35.1,	35.1,	0.0);
(	734343.0,	3836655.0,	35.0,	222.8,	0.0);	(	734368.0,	3836655.0,	35.2,	222.8,	0.0);
(	734393.0,	3836655.0,	35.2,	222.8,	0.0);	(	734418.0,	3836655.0,	35.1,	222.8,	0.0);
(	734443.0,	3836655.0,	35.2,	222.8,	0.0);	(	734468.0,	3836655.0,	35.3,	222.8,	0.0);
(	734493.0,	3836655.0,	35.4,	222.8,	0.0);	(	734518.0,	3836655.0,	35.4,	222.8,	0.0);
(	734543.0,	3836655.0,	35.5,	222.8,	0.0);	(	734568.0,	3836655.0,	35.5,	222.8,	0.0);
(	734593.0,	3836655.0,	35.6,	222.8,	0.0);	(	734608.6,	3836654.8,	35.7,	222.8,	0.0);
(	734293.0,	3836680.0,	35.0,	35.0,	0.0);	(	734318.0,	3836680.0,	35.0,	35.0,	0.0);
(	734343.0,	3836680.0,	34.9,	34.9,	0.0);	(	734368.0,	3836680.0,	35.1,	35.1,	0.0);
(	734393.0,	3836680.0,	35.1,	35.1,	0.0);	(	734418.0,	3836680.0,	35.1,	35.1,	0.0);
(	734443.0,	3836680.0,	35.2,	220.9,	0.0);	(	734468.0,	3836680.0,	35.3,	221.0,	0.0);
(	734493.0,	3836680.0,	35.3,	222.8,	0.0);	(	734518.0,	3836680.0,	35.3,	222.8,	0.0);
(	734543.0,	3836680.0,	35.4,	222.8,	0.0);	(	734568.0,	3836680.0,	35.5,	222.8,	0.0);
(	734593.0,	3836680.0,	35.5,	222.8,	0.0);	(	734293.0,	3836705.0,	35.0,	35.0,	0.0);
(	734318.0,	3836705.0,	35.0,	35.0,	0.0);	(	734343.0,	3836705.0,	34.9,	34.9,	0.0);
(	734368.0,	3836705.0,	35.1,	35.1,	0.0);	(	734393.0,	3836705.0,	35.1,	35.1,	0.0);
(	734418.0,	3836705.0,	35.1,	35.1,	0.0);	(	734443.0,	3836705.0,	35.2,	35.2,	0.0);
(	734468.0,	3836705.0,	35.3,	35.3,	0.0);	(	734493.0,	3836705.0,	35.3,	35.3,	0.0);
(	734518.0,	3836705.0,	35.3,	210.2,	0.0);	(	734543.0,	3836705.0,	35.4,	210.3,	0.0);
(	734568.0,	3836705.0,	35.5,	210.3,	0.0);	(	734593.0,	3836705.0,	35.5,	210.3,	0.0);
(	734293.0,	3836730.0,	34.9,	34.9,	0.0);	(	734318.0,	3836730.0,	35.0,	35.0,	0.0);
(	734343.0,	3836730.0,	34.8,	34.8,	0.0);	(	734368.0,	3836730.0,	35.0,	35.0,	0.0);
(	734393.0,	3836730.0,	35.1,	35.1,	0.0);	(	734418.0,	3836730.0,	35.0,	35.0,	0.0);
(	734443.0,	3836730.0,	35.1,	35.1,	0.0);	(	734468.0,	3836730.0,	35.3,	35.3,	0.0);
(	734493.0,	3836730.0,	35.3,	35.3,	0.0);	(	734518.0,	3836730.0,	35.2,	35.2,	0.0);
(	734543.0,	3836730.0,	35.4,	210.2,	0.0);	(	734568.0,	3836730.0,	35.5,	210.3,	0.0);
(	734593.0,	3836730.0,	35.5,	210.3,	0.0);	(	734293.0,	3836755.0,	34.9,	34.9,	0.0);
(	734318.0,	3836755.0,	34.9,	34.9,	0.0);	(	734343.0,	3836755.0,	34.8,	34.8,	0.0);
(	734368.0,	3836755.0,	35.0,	35.0,	0.0);	(	734393.0,	3836755.0,	35.0,	35.0,	0.0);
(	734418.0,	3836755.0,	34.9,	34.9,	0.0);	(	734443.0,	3836755.0,	35.1,	35.1,	0.0);
(	734468.0,	3836755.0,	35.2,	35.2,	0.0);	(	734493.0,	3836755.0,	35.2,	35.2,	0.0);
(	734518.0,	3836755.0,	35.1,	35.1,	0.0);	(	734543.0,	3836755.0,	35.3,	35.3,	0.0);
(	734568.0,	3836755.0,	35.4,	210.2,	0.0);	(	734593.0,	3836755.0,	35.5,	210.3,	0.0);
(	734293.0,	3836780.0,	34.8,	34.8,	0.0);	(	734318.0,	3836780.0,	34.8,	34.8,	0.0);
(	734343.0,	3836780.0,	34.7,	34.7,	0.0);	(	734368.0,	3836780.0,	34.9,	34.9,	0.0);
(	734393.0,	3836780.0,	35.0,	35.0,	0.0);	(	734418.0,	3836780.0,	34.9,	34.9,	0.0);
(	734443.0,	3836780.0,	35.0,	35.0,	0.0);	(	734468.0,	3836780.0,	35.2,	35.2,	0.0);
(	734493.0,	3836780.0,	35.2,	35.2,	0.0);	(	734518.0,	3836780.0,	35.1,	35.1,	0.0);
(	734543.0,	3836780.0,	35.3,	35.3,	0.0);	(	734568.0,	3836780.0,	35.4,	35.4,	0.0);
(	734593.0,	3836780.0,	35.4,	210.2,	0.0);	(	734293.0,	3836805.0,	34.8,	34.8,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

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

(734318.0,	3836805.0,	34.8,	34.8,	0.0);	(734343.0,	3836805.0,	34.7,	34.7,	0.0);
(734368.0,	3836805.0,	34.9,	34.9,	0.0);	(734393.0,	3836805.0,	34.9,	34.9,	0.0);
(734418.0,	3836805.0,	34.8,	34.8,	0.0);	(734443.0,	3836805.0,	35.0,	35.0,	0.0);
(734468.0,	3836805.0,	35.1,	35.1,	0.0);	(734493.0,	3836805.0,	35.1,	35.1,	0.0);
(734518.0,	3836805.0,	35.0,	35.0,	0.0);	(734543.0,	3836805.0,	35.2,	35.2,	0.0);
(734568.0,	3836805.0,	35.3,	35.3,	0.0);	(734593.0,	3836805.0,	35.4,	35.4,	0.0);
(734293.0,	3836830.0,	34.6,	34.6,	0.0);	(734318.0,	3836830.0,	34.6,	34.6,	0.0);
(734343.0,	3836830.0,	34.6,	34.6,	0.0);	(734368.0,	3836830.0,	34.8,	34.8,	0.0);
(734393.0,	3836830.0,	34.8,	34.8,	0.0);	(734418.0,	3836830.0,	34.8,	34.8,	0.0);
(734443.0,	3836830.0,	34.9,	34.9,	0.0);	(734468.0,	3836830.0,	34.9,	34.9,	0.0);
(734493.0,	3836830.0,	35.0,	35.0,	0.0);	(734518.0,	3836830.0,	34.9,	34.9,	0.0);
(734543.0,	3836830.0,	35.1,	35.1,	0.0);	(734568.0,	3836830.0,	35.2,	35.2,	0.0);
(734593.0,	3836830.0,	35.3,	35.3,	0.0);	(734293.0,	3836855.0,	34.4,	34.4,	0.0);
(734318.0,	3836855.0,	34.5,	34.5,	0.0);	(734343.0,	3836855.0,	34.5,	34.5,	0.0);
(734368.0,	3836855.0,	34.6,	34.6,	0.0);	(734393.0,	3836855.0,	34.6,	34.6,	0.0);
(734418.0,	3836855.0,	34.7,	34.7,	0.0);	(734443.0,	3836855.0,	34.7,	34.7,	0.0);
(734468.0,	3836855.0,	34.8,	34.8,	0.0);	(734493.0,	3836855.0,	34.8,	34.8,	0.0);
(734518.0,	3836855.0,	34.8,	34.8,	0.0);	(734543.0,	3836855.0,	34.9,	34.9,	0.0);
(734568.0,	3836855.0,	35.0,	35.0,	0.0);	(734593.0,	3836855.0,	35.0,	35.0,	0.0);
(734633.0,	3836153.0,	36.1,	222.8,	0.0);	(734658.0,	3836153.0,	36.8,	222.8,	0.0);
(734683.0,	3836153.0,	37.1,	222.8,	0.0);	(734708.0,	3836153.0,	37.1,	222.8,	0.0);
(734733.0,	3836153.0,	36.8,	222.8,	0.0);	(734758.0,	3836153.0,	36.6,	222.8,	0.0);
(734783.0,	3836153.0,	36.5,	222.8,	0.0);	(734808.0,	3836153.0,	36.8,	222.8,	0.0);
(734833.0,	3836153.0,	37.2,	222.8,	0.0);	(734858.0,	3836153.0,	37.5,	222.8,	0.0);
(734633.0,	3836178.0,	36.3,	222.8,	0.0);	(734658.0,	3836178.0,	36.9,	222.8,	0.0);
(734683.0,	3836178.0,	37.1,	222.8,	0.0);	(734708.0,	3836178.0,	37.1,	222.8,	0.0);
(734733.0,	3836178.0,	36.9,	222.8,	0.0);	(734758.0,	3836178.0,	36.9,	222.8,	0.0);
(734783.0,	3836178.0,	37.0,	222.8,	0.0);	(734808.0,	3836178.0,	37.1,	222.8,	0.0);
(734833.0,	3836178.0,	37.3,	222.8,	0.0);	(734858.0,	3836178.0,	37.4,	222.8,	0.0);
(734883.0,	3836178.0,	37.5,	222.8,	0.0);	(734633.0,	3836203.0,	36.3,	222.8,	0.0);
(734658.0,	3836203.0,	37.0,	222.8,	0.0);	(734683.0,	3836203.0,	37.1,	222.8,	0.0);
(734708.0,	3836203.0,	37.1,	222.8,	0.0);	(734733.0,	3836203.0,	37.0,	222.8,	0.0);
(734758.0,	3836203.0,	37.1,	222.8,	0.0);	(734783.0,	3836203.0,	37.3,	222.8,	0.0);
(734808.0,	3836203.0,	37.3,	222.8,	0.0);	(734833.0,	3836203.0,	37.4,	222.8,	0.0);
(734858.0,	3836203.0,	37.4,	222.8,	0.0);	(734883.0,	3836203.0,	37.4,	222.8,	0.0);
(734908.0,	3836203.0,	37.5,	222.8,	0.0);	(734633.0,	3836228.0,	36.2,	222.8,	0.0);
(734658.0,	3836228.0,	37.0,	222.8,	0.0);	(734683.0,	3836228.0,	37.1,	222.8,	0.0);
(734708.0,	3836228.0,	37.1,	222.8,	0.0);	(734733.0,	3836228.0,	37.1,	222.8,	0.0);
(734758.0,	3836228.0,	37.3,	222.8,	0.0);	(734783.0,	3836228.0,	37.5,	222.8,	0.0);
(734808.0,	3836228.0,	37.5,	222.8,	0.0);	(734833.0,	3836228.0,	37.5,	222.8,	0.0);
(734858.0,	3836228.0,	37.5,	222.8,	0.0);	(734883.0,	3836228.0,	37.5,	222.8,	0.0);
(734908.0,	3836228.0,	37.4,	222.8,	0.0);	(734933.0,	3836228.0,	37.4,	222.8,	0.0);
(734633.0,	3836253.0,	36.0,	222.8,	0.0);	(734658.0,	3836253.0,	36.8,	222.8,	0.0);
(734683.0,	3836253.0,	37.0,	222.8,	0.0);	(734708.0,	3836253.0,	37.1,	222.8,	0.0);
(734733.0,	3836253.0,	37.2,	222.8,	0.0);	(734758.0,	3836253.0,	37.5,	222.8,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

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

(	734783.0,	3836253.0,	37.6,	222.8,	0.0);	(	734808.0,	3836253.0,	37.6,	222.8,	0.0);
(	734833.0,	3836253.0,	37.7,	222.8,	0.0);	(	734858.0,	3836253.0,	37.7,	222.8,	0.0);
(	734883.0,	3836253.0,	37.7,	222.8,	0.0);	(	734908.0,	3836253.0,	37.6,	222.8,	0.0);
(	734933.0,	3836253.0,	37.4,	222.8,	0.0);	(	734958.0,	3836253.0,	37.1,	222.8,	0.0);
(	734633.0,	3836278.0,	35.8,	222.8,	0.0);	(	734658.0,	3836278.0,	36.4,	222.8,	0.0);
(	734683.0,	3836278.0,	36.7,	222.8,	0.0);	(	734708.0,	3836278.0,	36.9,	222.8,	0.0);
(	734733.0,	3836278.0,	37.2,	222.8,	0.0);	(	734758.0,	3836278.0,	37.5,	222.8,	0.0);
(	734783.0,	3836278.0,	37.6,	222.8,	0.0);	(	734808.0,	3836278.0,	37.6,	222.8,	0.0);
(	734833.0,	3836278.0,	37.6,	222.8,	0.0);	(	734858.0,	3836278.0,	37.7,	222.8,	0.0);
(	734883.0,	3836278.0,	37.7,	222.8,	0.0);	(	734908.0,	3836278.0,	37.5,	222.8,	0.0);
(	734933.0,	3836278.0,	37.3,	222.8,	0.0);	(	734958.0,	3836278.0,	37.1,	222.8,	0.0);
(	734633.0,	3836303.0,	35.7,	222.8,	0.0);	(	734658.0,	3836303.0,	36.1,	222.8,	0.0);
(	734683.0,	3836303.0,	36.4,	222.8,	0.0);	(	734708.0,	3836303.0,	36.6,	222.8,	0.0);
(	734733.0,	3836303.0,	36.9,	222.8,	0.0);	(	734758.0,	3836303.0,	37.2,	222.8,	0.0);
(	734783.0,	3836303.0,	37.3,	222.8,	0.0);	(	734808.0,	3836303.0,	37.3,	222.8,	0.0);
(	734833.0,	3836303.0,	37.4,	222.8,	0.0);	(	734858.0,	3836303.0,	37.5,	222.8,	0.0);
(	734883.0,	3836303.0,	37.4,	222.8,	0.0);	(	734908.0,	3836303.0,	37.2,	222.8,	0.0);
(	734933.0,	3836303.0,	37.2,	222.8,	0.0);	(	734958.0,	3836303.0,	37.2,	222.8,	0.0);
(	734633.0,	3836328.0,	35.7,	222.8,	0.0);	(	734658.0,	3836328.0,	36.1,	222.8,	0.0);
(	734683.0,	3836328.0,	36.2,	222.8,	0.0);	(	734708.0,	3836328.0,	36.3,	222.8,	0.0);
(	734733.0,	3836328.0,	36.4,	222.8,	0.0);	(	734758.0,	3836328.0,	36.6,	222.8,	0.0);
(	734783.0,	3836328.0,	36.7,	222.8,	0.0);	(	734808.0,	3836328.0,	36.8,	222.8,	0.0);
(	734833.0,	3836328.0,	36.9,	222.8,	0.0);	(	734858.0,	3836328.0,	37.0,	222.8,	0.0);
(	734883.0,	3836328.0,	37.0,	222.8,	0.0);	(	734908.0,	3836328.0,	37.0,	222.8,	0.0);
(	734933.0,	3836328.0,	37.1,	222.8,	0.0);	(	734958.0,	3836328.0,	37.2,	222.8,	0.0);
(	734633.0,	3836353.0,	35.8,	222.8,	0.0);	(	734658.0,	3836353.0,	36.0,	222.8,	0.0);
(	734683.0,	3836353.0,	36.1,	222.8,	0.0);	(	734708.0,	3836353.0,	36.1,	222.8,	0.0);
(	734733.0,	3836353.0,	36.2,	222.8,	0.0);	(	734758.0,	3836353.0,	36.3,	222.8,	0.0);
(	734783.0,	3836353.0,	36.4,	222.8,	0.0);	(	734808.0,	3836353.0,	36.5,	222.8,	0.0);
(	734833.0,	3836353.0,	36.7,	222.8,	0.0);	(	734858.0,	3836353.0,	36.8,	222.8,	0.0);
(	734883.0,	3836353.0,	36.8,	222.8,	0.0);	(	734908.0,	3836353.0,	36.9,	222.8,	0.0);
(	734933.0,	3836353.0,	37.0,	222.8,	0.0);	(	734958.0,	3836353.0,	37.1,	222.8,	0.0);
(	734633.0,	3836378.0,	35.8,	222.8,	0.0);	(	734658.0,	3836378.0,	36.0,	222.8,	0.0);
(	734683.0,	3836378.0,	36.0,	222.8,	0.0);	(	734708.0,	3836378.0,	36.0,	222.8,	0.0);
(	734733.0,	3836378.0,	36.2,	222.8,	0.0);	(	734758.0,	3836378.0,	36.3,	222.8,	0.0);
(	734783.0,	3836378.0,	36.3,	222.8,	0.0);	(	734808.0,	3836378.0,	36.4,	222.8,	0.0);
(	734833.0,	3836378.0,	36.6,	222.8,	0.0);	(	734858.0,	3836378.0,	36.6,	222.8,	0.0);
(	734883.0,	3836378.0,	36.7,	222.8,	0.0);	(	734908.0,	3836378.0,	36.7,	222.8,	0.0);
(	734933.0,	3836378.0,	36.8,	222.8,	0.0);	(	734958.0,	3836378.0,	37.0,	222.8,	0.0);
(	734633.0,	3836403.0,	35.8,	222.8,	0.0);	(	734658.0,	3836403.0,	35.9,	222.8,	0.0);
(	734683.0,	3836403.0,	35.9,	222.8,	0.0);	(	734708.0,	3836403.0,	36.0,	222.8,	0.0);
(	734733.0,	3836403.0,	36.2,	222.8,	0.0);	(	734758.0,	3836403.0,	36.3,	222.8,	0.0);
(	734783.0,	3836403.0,	36.4,	222.8,	0.0);	(	734808.0,	3836403.0,	36.3,	222.8,	0.0);
(	734833.0,	3836403.0,	36.5,	222.8,	0.0);	(	734858.0,	3836403.0,	36.5,	222.8,	0.0);
(	734883.0,	3836403.0,	36.6,	222.8,	0.0);	(	734908.0,	3836403.0,	36.6,	222.8,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

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

(734933.0,	3836403.0,	36.6,	222.8,	0.0);	(734958.0,	3836403.0,	36.7,	222.8,	0.0);
(734633.0,	3836428.0,	35.8,	222.8,	0.0);	(734658.0,	3836428.0,	36.0,	222.8,	0.0);
(734683.0,	3836428.0,	36.0,	222.8,	0.0);	(734708.0,	3836428.0,	36.1,	222.8,	0.0);
(734733.0,	3836428.0,	36.3,	222.8,	0.0);	(734758.0,	3836428.0,	36.5,	222.8,	0.0);
(734783.0,	3836428.0,	36.6,	222.8,	0.0);	(734808.0,	3836428.0,	36.5,	222.8,	0.0);
(734833.0,	3836428.0,	36.6,	222.8,	0.0);	(734858.0,	3836428.0,	36.7,	222.8,	0.0);
(734883.0,	3836428.0,	36.7,	222.8,	0.0);	(734908.0,	3836428.0,	36.7,	222.8,	0.0);
(734933.0,	3836428.0,	36.7,	222.8,	0.0);	(734958.0,	3836428.0,	36.8,	222.8,	0.0);
(734633.0,	3836453.0,	36.0,	222.8,	0.0);	(734658.0,	3836453.0,	36.1,	222.8,	0.0);
(734683.0,	3836453.0,	36.2,	222.8,	0.0);	(734708.0,	3836453.0,	36.3,	222.8,	0.0);
(734733.0,	3836453.0,	36.5,	222.8,	0.0);	(734758.0,	3836453.0,	36.8,	222.8,	0.0);
(734783.0,	3836453.0,	36.8,	222.8,	0.0);	(734808.0,	3836453.0,	36.7,	222.8,	0.0);
(734833.0,	3836453.0,	36.8,	222.8,	0.0);	(734858.0,	3836453.0,	36.8,	222.8,	0.0);
(734883.0,	3836453.0,	36.9,	222.8,	0.0);	(734908.0,	3836453.0,	36.8,	222.8,	0.0);
(734933.0,	3836453.0,	36.9,	222.8,	0.0);	(734958.0,	3836453.0,	36.8,	222.8,	0.0);
(734633.0,	3836478.0,	36.2,	222.8,	0.0);	(734658.0,	3836478.0,	36.3,	222.8,	0.0);
(734683.0,	3836478.0,	36.3,	222.8,	0.0);	(734708.0,	3836478.0,	36.4,	222.8,	0.0);
(734733.0,	3836478.0,	36.6,	222.8,	0.0);	(734758.0,	3836478.0,	36.8,	222.8,	0.0);
(734783.0,	3836478.0,	36.9,	222.8,	0.0);	(734808.0,	3836478.0,	36.8,	222.8,	0.0);
(734833.0,	3836478.0,	36.9,	222.8,	0.0);	(734858.0,	3836478.0,	36.9,	222.8,	0.0);
(734883.0,	3836478.0,	36.9,	222.8,	0.0);	(734908.0,	3836478.0,	36.9,	222.8,	0.0);
(734933.0,	3836478.0,	37.0,	222.8,	0.0);	(734958.0,	3836478.0,	37.0,	222.8,	0.0);
(734633.0,	3836503.0,	36.3,	222.8,	0.0);	(734658.0,	3836503.0,	36.4,	222.8,	0.0);
(734683.0,	3836503.0,	36.4,	222.8,	0.0);	(734708.0,	3836503.0,	36.5,	222.8,	0.0);
(734733.0,	3836503.0,	36.6,	222.8,	0.0);	(734758.0,	3836503.0,	36.7,	222.8,	0.0);
(734783.0,	3836503.0,	36.8,	222.8,	0.0);	(734808.0,	3836503.0,	36.8,	222.8,	0.0);
(734833.0,	3836503.0,	36.9,	222.8,	0.0);	(734858.0,	3836503.0,	37.0,	222.8,	0.0);
(734883.0,	3836503.0,	37.0,	222.8,	0.0);	(734908.0,	3836503.0,	37.0,	222.8,	0.0);
(734933.0,	3836503.0,	37.0,	222.8,	0.0);	(734958.0,	3836503.0,	37.1,	222.8,	0.0);
(734633.0,	3836528.0,	36.3,	222.8,	0.0);	(734658.0,	3836528.0,	36.4,	222.8,	0.0);
(734683.0,	3836528.0,	36.5,	222.8,	0.0);	(734708.0,	3836528.0,	36.5,	222.8,	0.0);
(734733.0,	3836528.0,	36.5,	222.8,	0.0);	(734758.0,	3836528.0,	36.6,	222.8,	0.0);
(734783.0,	3836528.0,	36.6,	222.8,	0.0);	(734808.0,	3836528.0,	36.8,	222.8,	0.0);
(734833.0,	3836528.0,	37.0,	222.8,	0.0);	(734633.0,	3836553.0,	36.1,	222.8,	0.0);
(734658.0,	3836553.0,	36.4,	222.8,	0.0);	(734683.0,	3836553.0,	36.4,	222.8,	0.0);
(734708.0,	3836553.0,	36.3,	222.8,	0.0);	(734733.0,	3836553.0,	36.3,	222.8,	0.0);
(734758.0,	3836553.0,	36.4,	222.8,	0.0);	(734783.0,	3836553.0,	36.5,	222.8,	0.0);
(734808.0,	3836553.0,	36.7,	222.8,	0.0);	(734833.0,	3836553.0,	37.0,	222.8,	0.0);
(734633.0,	3836578.0,	36.1,	222.8,	0.0);	(734658.0,	3836578.0,	36.3,	222.8,	0.0);
(734683.0,	3836578.0,	36.3,	222.8,	0.0);	(734708.0,	3836578.0,	36.2,	222.8,	0.0);
(734733.0,	3836578.0,	36.1,	222.8,	0.0);	(734758.0,	3836578.0,	36.2,	222.8,	0.0);
(734783.0,	3836578.0,	36.3,	222.8,	0.0);	(734808.0,	3836578.0,	36.6,	222.8,	0.0);
(734833.0,	3836578.0,	37.0,	222.8,	0.0);	(734633.0,	3836603.0,	36.1,	222.8,	0.0);
(734658.0,	3836603.0,	36.4,	222.8,	0.0);	(734683.0,	3836603.0,	36.4,	222.8,	0.0);
(734708.0,	3836603.0,	36.3,	222.8,	0.0);	(734733.0,	3836603.0,	36.1,	222.8,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

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

(734758.0,	3836603.0,	36.2,	222.8,	0.0);	(734783.0,	3836603.0,	36.3,	222.8,	0.0);
(734808.0,	3836603.0,	36.5,	222.8,	0.0);	(734833.0,	3836603.0,	36.9,	222.8,	0.0);
(734633.0,	3836628.0,	36.1,	222.8,	0.0);	(734658.0,	3836628.0,	36.5,	222.8,	0.0);
(734683.0,	3836628.0,	36.5,	222.8,	0.0);	(734708.0,	3836628.0,	36.3,	222.8,	0.0);
(734733.0,	3836628.0,	36.0,	222.8,	0.0);	(734758.0,	3836628.0,	36.1,	222.8,	0.0);
(734783.0,	3836628.0,	36.4,	222.8,	0.0);	(734808.0,	3836628.0,	36.6,	222.8,	0.0);
(734833.0,	3836628.0,	36.9,	222.8,	0.0);	(734633.0,	3836653.0,	36.1,	222.8,	0.0);
(734658.0,	3836653.0,	36.5,	222.8,	0.0);	(734683.0,	3836653.0,	36.4,	222.8,	0.0);
(734708.0,	3836653.0,	36.2,	222.8,	0.0);	(734733.0,	3836653.0,	36.0,	222.8,	0.0);
(734758.0,	3836653.0,	36.1,	222.8,	0.0);	(734783.0,	3836653.0,	36.4,	222.8,	0.0);
(734808.0,	3836653.0,	36.6,	222.8,	0.0);	(734833.0,	3836653.0,	36.8,	222.8,	0.0);
(734633.0,	3836678.0,	36.0,	222.8,	0.0);	(734658.0,	3836678.0,	36.3,	222.8,	0.0);
(734683.0,	3836678.0,	36.2,	222.8,	0.0);	(734708.0,	3836678.0,	36.0,	222.8,	0.0);
(734733.0,	3836678.0,	35.9,	222.8,	0.0);	(734758.0,	3836678.0,	36.1,	222.8,	0.0);
(734783.0,	3836678.0,	36.4,	222.8,	0.0);	(734808.0,	3836678.0,	36.6,	222.8,	0.0);
(734833.0,	3836678.0,	36.8,	222.8,	0.0);	(734633.0,	3836703.0,	36.0,	218.6,	0.0);
(734658.0,	3836703.0,	36.2,	218.6,	0.0);	(734683.0,	3836703.0,	36.1,	218.6,	0.0);
(734708.0,	3836703.0,	35.9,	221.0,	0.0);	(734733.0,	3836703.0,	35.8,	221.0,	0.0);
(734758.0,	3836703.0,	36.1,	221.0,	0.0);	(734783.0,	3836703.0,	36.4,	221.0,	0.0);
(734808.0,	3836703.0,	36.6,	218.6,	0.0);	(734833.0,	3836703.0,	36.9,	218.6,	0.0);
(734633.0,	3836728.0,	36.0,	210.3,	0.0);	(734658.0,	3836728.0,	36.3,	215.8,	0.0);
(734683.0,	3836728.0,	36.1,	215.8,	0.0);	(734708.0,	3836728.0,	35.8,	215.8,	0.0);
(734733.0,	3836728.0,	35.8,	215.8,	0.0);	(734758.0,	3836728.0,	35.9,	215.8,	0.0);
(734783.0,	3836728.0,	36.3,	215.8,	0.0);	(734808.0,	3836728.0,	36.5,	215.8,	0.0);
(734833.0,	3836728.0,	36.8,	215.8,	0.0);	(734633.0,	3836753.0,	36.0,	210.3,	0.0);
(734658.0,	3836753.0,	36.3,	210.3,	0.0);	(734683.0,	3836753.0,	36.1,	210.3,	0.0);
(734708.0,	3836753.0,	35.8,	215.8,	0.0);	(734733.0,	3836753.0,	35.7,	215.8,	0.0);
(734758.0,	3836753.0,	35.9,	215.8,	0.0);	(734783.0,	3836753.0,	36.2,	215.8,	0.0);
(734808.0,	3836753.0,	36.4,	215.8,	0.0);	(734833.0,	3836753.0,	36.7,	215.8,	0.0);
(734633.0,	3836778.0,	36.0,	210.3,	0.0);	(734658.0,	3836778.0,	36.3,	210.3,	0.0);
(734683.0,	3836778.0,	36.1,	210.3,	0.0);	(734708.0,	3836778.0,	35.8,	210.3,	0.0);
(734733.0,	3836778.0,	35.6,	215.8,	0.0);	(734758.0,	3836778.0,	35.9,	215.8,	0.0);
(734783.0,	3836778.0,	36.2,	215.8,	0.0);	(734808.0,	3836778.0,	36.3,	215.8,	0.0);
(734833.0,	3836778.0,	36.7,	215.8,	0.0);	(734633.0,	3836803.0,	35.9,	210.2,	0.0);
(734658.0,	3836803.0,	36.1,	210.2,	0.0);	(734683.0,	3836803.0,	36.0,	210.3,	0.0);
(734708.0,	3836803.0,	35.7,	210.3,	0.0);	(734733.0,	3836803.0,	35.5,	210.3,	0.0);
(734758.0,	3836803.0,	35.8,	215.8,	0.0);	(734783.0,	3836803.0,	36.2,	215.8,	0.0);
(734808.0,	3836803.0,	36.3,	215.8,	0.0);	(734833.0,	3836803.0,	36.7,	215.8,	0.0);
(734633.0,	3836828.0,	35.7,	35.7,	0.0);	(734658.0,	3836828.0,	35.9,	210.2,	0.0);
(734683.0,	3836828.0,	35.9,	210.2,	0.0);	(734708.0,	3836828.0,	35.6,	210.3,	0.0);
(734733.0,	3836828.0,	35.5,	210.3,	0.0);	(734758.0,	3836828.0,	35.8,	210.3,	0.0);
(734783.0,	3836828.0,	36.2,	210.3,	0.0);	(734808.0,	3836828.0,	36.3,	215.8,	0.0);
(734833.0,	3836828.0,	36.7,	215.8,	0.0);	(734633.0,	3836853.0,	35.3,	35.3,	0.0);
(734658.0,	3836853.0,	35.6,	35.6,	0.0);	(734683.0,	3836853.0,	35.6,	210.2,	0.0);
(734708.0,	3836853.0,	35.5,	210.2,	0.0);	(734733.0,	3836853.0,	35.7,	210.3,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

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

(	734758.0,	3836853.0,	36.0,	210.3,	0.0);	(	734783.0,	3836853.0,	36.3,	210.3,	0.0);
(	734808.0,	3836853.0,	36.4,	210.3,	0.0);	(	734833.0,	3836853.0,	36.6,	210.3,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

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1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
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NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54,   3.09,   5.14,   8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

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

Surface file: Lompoc12-16.SFC Met Version: 16216
Profile file: Lompoc12-16.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 723965 Upper air station no.: 93214
Name: LOMPOC_-_H_STREET_2012_T_O2016 Name: UNKNOWN
Year: 2012 Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
12	01	01	1	01	-0.9	0.031	-9.000	-9.000	-999.	13.	3.2	0.21	1.01	1.00	0.60	232.	10.0	280.6	10.0
12	01	01	1	02	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.21	1.01	1.00	0.50	233.	10.0	279.5	10.0
12	01	01	1	03	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.21	1.01	1.00	0.50	231.	10.0	278.6	10.0
12	01	01	1	04	-0.2	0.016	-9.000	-9.000	-999.	5.	1.7	0.24	1.01	1.00	0.30	240.	10.0	277.6	10.0
12	01	01	1	05	-1.6	0.039	-9.000	-9.000	-999.	18.	3.3	0.04	1.01	1.00	1.06	146.	10.0	277.0	10.0
12	01	01	1	06	-0.2	0.015	-9.000	-9.000	-999.	4.	1.5	0.19	1.01	1.00	0.30	135.	10.0	276.8	10.0
12	01	01	1	07	-0.3	0.019	-9.000	-9.000	-999.	6.	2.1	0.41	1.01	1.00	0.30	76.	10.0	276.6	10.0
12	01	01	1	08	-3.1	0.056	-9.000	-9.000	-999.	32.	5.1	0.04	1.01	0.60	1.52	120.	10.0	281.1	10.0
12	01	01	1	09	16.9	0.100	-9.000	-9.000	-999.	76.	-5.4	0.24	1.01	0.34	0.60	251.	10.0	284.9	10.0
12	01	01	1	10	67.2	0.163	-9.000	-9.000	-999.	158.	-5.9	0.24	1.01	0.25	1.00	245.	10.0	287.9	10.0
12	01	01	1	11	104.2	0.204	-9.000	-9.000	-999.	221.	-7.4	0.31	1.01	0.22	1.20	270.	10.0	291.4	10.0
12	01	01	1	12	124.0	0.178	-9.000	-9.000	-999.	180.	-4.1	0.45	1.01	0.21	0.80	300.	10.0	294.1	10.0
12	01	01	1	13	131.9	0.151	-9.000	-9.000	-999.	141.	-2.4	0.16	1.01	0.20	0.90	162.	10.0	297.4	10.0
12	01	01	1	14	112.0	0.412	-9.000	-9.000	-999.	634.	-56.6	0.24	1.01	0.21	3.40	254.	10.0	291.1	10.0
12	01	01	1	15	77.3	0.363	-9.000	-9.000	-999.	528.	-56.4	0.24	1.01	0.24	3.00	253.	10.0	288.6	10.0
12	01	01	1	16	28.6	0.305	-9.000	-9.000	-999.	406.	-89.8	0.24	1.01	0.32	2.60	251.	10.0	286.2	10.0
12	01	01	1	17	-8.7	0.108	-9.000	-9.000	-999.	132.	13.1	0.24	1.01	0.56	2.00	254.	10.0	284.4	10.0
12	01	01	1	18	-6.3	0.086	-9.000	-9.000	-999.	61.	9.2	0.31	1.01	1.00	1.50	274.	10.0	283.4	10.0
12	01	01	1	19	-0.2	0.019	-9.000	-9.000	-999.	12.	3.1	0.45	1.01	1.00	0.30	315.	10.0	283.1	10.0
12	01	01	1	20	-1.1	0.042	-9.000	-9.000	-999.	21.	6.1	0.22	1.01	1.00	0.80	115.	10.0	283.2	10.0
12	01	01	1	21	-3.9	0.079	-9.000	-9.000	-999.	53.	11.5	0.22	1.01	1.00	1.50	119.	10.0	282.5	10.0
12	01	01	1	22	-1.4	0.046	-9.000	-9.000	-999.	24.	6.7	0.21	1.01	1.00	0.90	194.	10.0	281.4	10.0
12	01	01	1	23	-2.4	0.063	-9.000	-9.000	-999.	38.	9.5	0.31	1.01	1.00	1.10	275.	10.0	281.9	10.0
12	01	01	1	24	-0.9	0.037	-9.000	-9.000	-999.	17.	5.3	0.22	1.01	1.00	0.70	92.	10.0	282.0	10.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	10.0	1	232.	0.60	280.7	41.6	-99.00	0.34

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): GEN ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
734293.00	3836155.00	0.28337	734318.00	3836155.00	0.29362
734343.00	3836155.00	0.30415	734368.00	3836155.00	0.31471
734393.00	3836155.00	0.32548	734418.00	3836155.00	0.33613
734443.00	3836155.00	0.34691	734468.00	3836155.00	0.35756
734493.00	3836155.00	0.36809	734518.00	3836155.00	0.37837
734543.00	3836155.00	0.38850	734568.00	3836155.00	0.39877
734593.00	3836155.00	0.40880	734618.00	3836155.00	0.41914
734293.00	3836180.00	0.29670	734318.00	3836180.00	0.30842
734343.00	3836180.00	0.32048	734368.00	3836180.00	0.33270
734393.00	3836180.00	0.34504	734418.00	3836180.00	0.35759
734443.00	3836180.00	0.36988	734468.00	3836180.00	0.38219
734493.00	3836180.00	0.39431	734518.00	3836180.00	0.40632
734543.00	3836180.00	0.41834	734568.00	3836180.00	0.43004
734593.00	3836180.00	0.44183	734618.00	3836180.00	0.45414
734293.00	3836205.00	0.31075	734318.00	3836205.00	0.32410
734343.00	3836205.00	0.33793	734368.00	3836205.00	0.35183
734393.00	3836205.00	0.36622	734418.00	3836205.00	0.38071
734443.00	3836205.00	0.39510	734468.00	3836205.00	0.40940
734493.00	3836205.00	0.42348	734518.00	3836205.00	0.43754
734543.00	3836205.00	0.45176	734568.00	3836205.00	0.46501
734593.00	3836205.00	0.47830	734618.00	3836205.00	0.49307
734293.00	3836230.00	0.32473	734318.00	3836230.00	0.33965
734343.00	3836230.00	0.35502	734368.00	3836230.00	0.37091
734393.00	3836230.00	0.38747	734418.00	3836230.00	0.40458
734443.00	3836230.00	0.42161	734468.00	3836230.00	0.43835
734493.00	3836230.00	0.45507	734518.00	3836230.00	0.47187
734543.00	3836230.00	0.48892	734568.00	3836230.00	0.50447
734593.00	3836230.00	0.51995	734618.00	3836230.00	0.53777
734293.00	3836255.00	0.33874	734318.00	3836255.00	0.35599
734343.00	3836255.00	0.37347	734368.00	3836255.00	0.39170
734393.00	3836255.00	0.41057	734418.00	3836255.00	0.43058
734443.00	3836255.00	0.45103	734468.00	3836255.00	0.47119
734493.00	3836255.00	0.49057	734518.00	3836255.00	0.51052
734543.00	3836255.00	0.53122	734568.00	3836255.00	0.55007
734593.00	3836255.00	0.56883	734618.00	3836255.00	0.58939
734293.00	3836280.00	0.35224	734318.00	3836280.00	0.37184
734343.00	3836280.00	0.39224	734368.00	3836280.00	0.41301
734393.00	3836280.00	0.43510	734418.00	3836280.00	0.45779
734443.00	3836280.00	0.48225	734468.00	3836280.00	0.50651
734493.00	3836280.00	0.53086	734518.00	3836280.00	0.55389

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): GEN ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
734543.00	3836280.00	0.57843	734568.00	3836280.00	0.60175
734593.00	3836280.00	0.62385	734618.00	3836280.00	0.64719
734293.00	3836305.00	0.36530	734318.00	3836305.00	0.38720
734343.00	3836305.00	0.41048	734368.00	3836305.00	0.43485
734393.00	3836305.00	0.46045	734418.00	3836305.00	0.48685
734443.00	3836305.00	0.51526	734468.00	3836305.00	0.54519
734493.00	3836305.00	0.57401	734518.00	3836305.00	0.60242
734543.00	3836305.00	0.63095	734568.00	3836305.00	0.66016
734593.00	3836305.00	0.68747	734618.00	3836305.00	0.71628
734293.00	3836330.00	0.37837	734318.00	3836330.00	0.40233
734343.00	3836330.00	0.42840	734368.00	3836330.00	0.45635
734393.00	3836330.00	0.48638	734418.00	3836330.00	0.51741
734443.00	3836330.00	0.55032	734468.00	3836330.00	0.58636
734493.00	3836330.00	0.62202	734518.00	3836330.00	0.65711
734543.00	3836330.00	0.69202	734568.00	3836330.00	0.72868
734593.00	3836330.00	0.76388	734618.00	3836330.00	0.80232
734293.00	3836355.00	0.39211	734318.00	3836355.00	0.41820
734343.00	3836355.00	0.44673	734368.00	3836355.00	0.47948
734393.00	3836355.00	0.51495	734418.00	3836355.00	0.55128
734443.00	3836355.00	0.59104	734468.00	3836355.00	0.63254
734493.00	3836355.00	0.67683	734518.00	3836355.00	0.72244
734543.00	3836355.00	0.76871	734568.00	3836355.00	0.81454
734593.00	3836355.00	0.86152	734618.00	3836355.00	0.91194
734293.00	3836380.00	0.40556	734318.00	3836380.00	0.43362
734343.00	3836380.00	0.46465	734368.00	3836380.00	0.50087
734393.00	3836380.00	0.54104	734418.00	3836380.00	0.58454
734443.00	3836380.00	0.63159	734468.00	3836380.00	0.68172
734493.00	3836380.00	0.73457	734518.00	3836380.00	0.79479
734543.00	3836380.00	0.85850	734568.00	3836380.00	0.91928
734593.00	3836380.00	0.98337	734618.00	3836380.00	1.04947
734293.00	3836405.00	0.41931	734318.00	3836405.00	0.44942
734343.00	3836405.00	0.48242	734368.00	3836405.00	0.52216
734393.00	3836405.00	0.56689	734418.00	3836405.00	0.61525
734443.00	3836405.00	0.67124	734468.00	3836405.00	0.73327
734493.00	3836405.00	0.79833	734518.00	3836405.00	0.87400
734543.00	3836405.00	0.96079	734568.00	3836405.00	1.04973
734593.00	3836405.00	1.13510	734618.00	3836405.00	1.22453
734293.00	3836430.00	0.43356	734318.00	3836430.00	0.46576
734343.00	3836430.00	0.50129	734368.00	3836430.00	0.54366
734393.00	3836430.00	0.59214	734418.00	3836430.00	0.64548

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): GEN ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
734443.00	3836430.00	0.70847	734468.00	3836430.00	0.78312
734493.00	3836430.00	0.86710	734518.00	3836430.00	0.96374
734543.00	3836430.00	1.07771	734568.00	3836430.00	1.20259
734593.00	3836430.00	1.32883	734618.00	3836430.00	1.45647
734293.00	3836455.00	0.44774	734318.00	3836455.00	0.48230
734343.00	3836455.00	0.52083	734368.00	3836455.00	0.56720
734393.00	3836455.00	0.61978	734418.00	3836455.00	0.67602
734443.00	3836455.00	0.74579	734468.00	3836455.00	0.83193
734493.00	3836455.00	0.93376	734518.00	3836455.00	1.05607
734543.00	3836455.00	1.20629	734568.00	3836455.00	1.38524
734593.00	3836455.00	1.58103	734618.00	3836455.00	1.77327
734293.00	3836480.00	0.46044	734318.00	3836480.00	0.49798
734343.00	3836480.00	0.53978	734368.00	3836480.00	0.58861
734393.00	3836480.00	0.64505	734418.00	3836480.00	0.70840
734443.00	3836480.00	0.78500	734468.00	3836480.00	0.87938
734493.00	3836480.00	0.99734	734518.00	3836480.00	1.14524
734543.00	3836480.00	1.33743	734568.00	3836480.00	1.58133
734593.00	3836480.00	1.88174	734618.00	3836480.00	2.20127
734293.00	3836505.00	0.47265	734318.00	3836505.00	0.51206
734343.00	3836505.00	0.55687	734368.00	3836505.00	0.61040
734393.00	3836505.00	0.67095	734418.00	3836505.00	0.73939
734443.00	3836505.00	0.82547	734468.00	3836505.00	0.93093
734493.00	3836505.00	1.06441	734518.00	3836505.00	1.23301
734543.00	3836505.00	1.46490	734568.00	3836505.00	1.77836
734593.00	3836505.00	2.20175	734618.00	3836505.00	2.71645
734293.00	3836530.00	0.48305	734318.00	3836530.00	0.52418
734343.00	3836530.00	0.57074	734368.00	3836530.00	0.62868
734393.00	3836530.00	0.69372	734418.00	3836530.00	0.76969
734443.00	3836530.00	0.86562	734468.00	3836530.00	0.98456
734493.00	3836530.00	1.13649	734518.00	3836530.00	1.33747
734543.00	3836530.00	1.60980	734568.00	3836530.00	1.98719
734593.00	3836530.00	2.52143	734611.02	3836528.56	2.95666
734293.00	3836555.00	0.49361	734318.00	3836555.00	0.53632
734343.00	3836555.00	0.58529	734368.00	3836555.00	0.64675
734393.00	3836555.00	0.71827	734418.00	3836555.00	0.80094
734443.00	3836555.00	0.90846	734468.00	3836555.00	1.04602
734493.00	3836555.00	1.22177	734518.00	3836555.00	1.46492
734543.00	3836555.00	1.80660	734568.00	3836555.00	2.31845
734593.00	3836555.00	3.08084	734610.30	3836554.52	3.87062
734293.00	3836580.00	0.50528	734318.00	3836580.00	0.55102

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): GEN ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
734343.00	3836580.00	0.60358	734368.00	3836580.00	0.67210
734393.00	3836580.00	0.75056	734418.00	3836580.00	0.84398
734443.00	3836580.00	0.96947	734468.00	3836580.00	1.13778
734493.00	3836580.00	1.36383	734518.00	3836580.00	1.68492
734543.00	3836580.00	2.16538	734568.00	3836580.00	2.98667
734593.00	3836580.00	4.56936	734610.30	3836580.00	6.61634
734293.00	3836605.00	0.51598	734318.00	3836605.00	0.56490
734343.00	3836605.00	0.62173	734368.00	3836605.00	0.69644
734393.00	3836605.00	0.79033	734418.00	3836605.00	0.90170
734443.00	3836605.00	1.05656	734468.00	3836605.00	1.26464
734493.00	3836605.00	1.56337	734518.00	3836605.00	2.00593
734543.00	3836605.00	2.71202	734568.00	3836605.00	3.87305
734593.00	3836605.00	5.68484	734609.57	3836605.00	7.20390
734293.00	3836630.00	0.52793	734318.00	3836630.00	0.58145
734343.00	3836630.00	0.64565	734368.00	3836630.00	0.73327
734393.00	3836630.00	0.83705	734418.00	3836630.00	0.97276
734443.00	3836630.00	1.15859	734468.00	3836630.00	1.42299
734493.00	3836630.00	1.78439	734518.00	3836630.00	2.31744
734543.00	3836630.00	3.06279	734568.00	3836630.00	4.05957
734593.00	3836630.00	5.20053	734609.33	3836629.52	5.72785
734293.00	3836655.00	0.54017	734318.00	3836655.00	0.59970
734343.00	3836655.00	0.67162	734368.00	3836655.00	0.76707
734393.00	3836655.00	0.88686	734418.00	3836655.00	1.04021
734443.00	3836655.00	1.24637	734468.00	3836655.00	1.52683
734493.00	3836655.00	1.91101	734518.00	3836655.00	2.41302
734543.00	3836655.00	2.99794	734568.00	3836655.00	3.63175
734593.00	3836655.00	4.06135	734608.61	3836654.76	4.16239
734293.00	3836680.00	0.55355	734318.00	3836680.00	0.61432
734343.00	3836680.00	0.68989	734368.00	3836680.00	0.79241
734393.00	3836680.00	0.91730	734418.00	3836680.00	1.07849
734443.00	3836680.00	1.28442	734468.00	3836680.00	1.56968
734493.00	3836680.00	1.89418	734518.00	3836680.00	2.27851
734543.00	3836680.00	2.68096	734568.00	3836680.00	2.99972
734593.00	3836680.00	3.10668	734293.00	3836705.00	0.56058
734318.00	3836705.00	0.62572	734343.00	3836705.00	0.70220
734368.00	3836705.00	0.80295	734393.00	3836705.00	0.92995
734418.00	3836705.00	1.08834	734443.00	3836705.00	1.28730
734468.00	3836705.00	1.51210	734493.00	3836705.00	1.77840
734518.00	3836705.00	2.03673	734543.00	3836705.00	2.28352
734568.00	3836705.00	2.42254	734593.00	3836705.00	2.42419

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): GEN ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
734293.00	3836730.00	0.56323	734318.00	3836730.00	0.62550
734343.00	3836730.00	0.70204	734368.00	3836730.00	0.80254
734393.00	3836730.00	0.92035	734418.00	3836730.00	1.06088
734443.00	3836730.00	1.22066	734468.00	3836730.00	1.40592
734493.00	3836730.00	1.60381	734518.00	3836730.00	1.77370
734543.00	3836730.00	1.90096	734568.00	3836730.00	1.94470
734593.00	3836730.00	1.94015	734293.00	3836755.00	0.55984
734318.00	3836755.00	0.62085	734343.00	3836755.00	0.69430
734368.00	3836755.00	0.78529	734393.00	3836755.00	0.88935
734418.00	3836755.00	1.00003	734443.00	3836755.00	1.13398
734468.00	3836755.00	1.27695	734493.00	3836755.00	1.41579
734518.00	3836755.00	1.50935	734543.00	3836755.00	1.57798
734568.00	3836755.00	1.60073	734593.00	3836755.00	1.59208
734293.00	3836780.00	0.55288	734318.00	3836780.00	0.60975
734343.00	3836780.00	0.67383	734368.00	3836780.00	0.75366
734393.00	3836780.00	0.84235	734418.00	3836780.00	0.93399
734443.00	3836780.00	1.04105	734468.00	3836780.00	1.15306
734493.00	3836780.00	1.23825	734518.00	3836780.00	1.29494
734543.00	3836780.00	1.32781	734568.00	3836780.00	1.34839
734593.00	3836780.00	1.34319	734293.00	3836805.00	0.54255
734318.00	3836805.00	0.59359	734343.00	3836805.00	0.64811
734368.00	3836805.00	0.71588	734393.00	3836805.00	0.78686
734418.00	3836805.00	0.86324	734443.00	3836805.00	0.95098
734468.00	3836805.00	1.02296	734493.00	3836805.00	1.07936
734518.00	3836805.00	1.11473	734543.00	3836805.00	1.13995
734568.00	3836805.00	1.15698	734593.00	3836805.00	1.15393
734293.00	3836830.00	0.52687	734318.00	3836830.00	0.57144
734343.00	3836830.00	0.61907	734368.00	3836830.00	0.67473
734393.00	3836830.00	0.73618	734418.00	3836830.00	0.79878
734443.00	3836830.00	0.85827	734468.00	3836830.00	0.90855
734493.00	3836830.00	0.94464	734518.00	3836830.00	0.97215
734543.00	3836830.00	0.99767	734568.00	3836830.00	1.01117
734593.00	3836830.00	1.00528	734293.00	3836855.00	0.51047
734318.00	3836855.00	0.54875	734343.00	3836855.00	0.59082
734368.00	3836855.00	0.63763	734393.00	3836855.00	0.68611
734418.00	3836855.00	0.73518	734443.00	3836855.00	0.77565
734468.00	3836855.00	0.81049	734493.00	3836855.00	0.83538
734518.00	3836855.00	0.86038	734543.00	3836855.00	0.87925
734568.00	3836855.00	0.89436	734593.00	3836855.00	0.88428
734633.00	3836153.00	0.42341	734658.00	3836153.00	0.43276

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): GEN ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
734683.00	3836153.00	0.43158	734708.00	3836153.00	0.43643
734733.00	3836153.00	0.45140	734758.00	3836153.00	0.45761
734783.00	3836153.00	0.46255	734808.00	3836153.00	0.46514
734833.00	3836153.00	0.45544	734858.00	3836153.00	0.45016
734633.00	3836178.00	0.45897	734658.00	3836178.00	0.46786
734683.00	3836178.00	0.46847	734708.00	3836178.00	0.47645
734733.00	3836178.00	0.49296	734758.00	3836178.00	0.50229
734783.00	3836178.00	0.50483	734808.00	3836178.00	0.50226
734833.00	3836178.00	0.49807	734858.00	3836178.00	0.49999
734883.00	3836178.00	0.50176	734633.00	3836203.00	0.49931
734658.00	3836203.00	0.50722	734683.00	3836203.00	0.51174
734708.00	3836203.00	0.52316	734733.00	3836203.00	0.53960
734758.00	3836203.00	0.54602	734783.00	3836203.00	0.54841
734808.00	3836203.00	0.54989	734833.00	3836203.00	0.55193
734858.00	3836203.00	0.55735	734883.00	3836203.00	0.56519
734908.00	3836203.00	0.57175	734633.00	3836228.00	0.54569
734658.00	3836228.00	0.55726	734683.00	3836228.00	0.56488
734708.00	3836228.00	0.57994	734733.00	3836228.00	0.59729
734758.00	3836228.00	0.60075	734783.00	3836228.00	0.60521
734808.00	3836228.00	0.61092	734833.00	3836228.00	0.61766
734858.00	3836228.00	0.62684	734883.00	3836228.00	0.63758
734908.00	3836228.00	0.65261	734933.00	3836228.00	0.66969
734633.00	3836253.00	0.59876	734658.00	3836253.00	0.62168
734683.00	3836253.00	0.63526	734708.00	3836253.00	0.65175
734733.00	3836253.00	0.66981	734758.00	3836253.00	0.67314
734783.00	3836253.00	0.68063	734808.00	3836253.00	0.69170
734833.00	3836253.00	0.70196	734858.00	3836253.00	0.71496
734883.00	3836253.00	0.73118	734908.00	3836253.00	0.75355
734933.00	3836253.00	0.78169	734958.00	3836253.00	0.81063
734633.00	3836278.00	0.65814	734658.00	3836278.00	0.69030
734683.00	3836278.00	0.71845	734708.00	3836278.00	0.74527
734733.00	3836278.00	0.76450	734758.00	3836278.00	0.77445
734783.00	3836278.00	0.78693	734808.00	3836278.00	0.80281
734833.00	3836278.00	0.81925	734858.00	3836278.00	0.83745
734883.00	3836278.00	0.86205	734908.00	3836278.00	0.89923
734933.00	3836278.00	0.93683	734958.00	3836278.00	0.97444
734633.00	3836303.00	0.73093	734658.00	3836303.00	0.76969
734683.00	3836303.00	0.81445	734708.00	3836303.00	0.85969
734733.00	3836303.00	0.90373	734758.00	3836303.00	0.92215
734783.00	3836303.00	0.94054	734808.00	3836303.00	0.96248

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): GEN ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
734833.00	3836303.00	0.98514	734858.00	3836303.00	1.01364
734883.00	3836303.00	1.05691	734908.00	3836303.00	1.11267
734933.00	3836303.00	1.15970	734958.00	3836303.00	1.20028
734633.00	3836328.00	0.82174	734658.00	3836328.00	0.87530
734683.00	3836328.00	0.93485	734708.00	3836328.00	1.00324
734733.00	3836328.00	1.06805	734758.00	3836328.00	1.11609
734783.00	3836328.00	1.14946	734808.00	3836328.00	1.18436
734833.00	3836328.00	1.22670	734858.00	3836328.00	1.28263
734883.00	3836328.00	1.35489	734908.00	3836328.00	1.42733
734933.00	3836328.00	1.48152	734958.00	3836328.00	1.51836
734633.00	3836353.00	0.93576	734658.00	3836353.00	1.00974
734683.00	3836353.00	1.09694	734708.00	3836353.00	1.19470
734733.00	3836353.00	1.28626	734758.00	3836353.00	1.35178
734783.00	3836353.00	1.40692	734808.00	3836353.00	1.47501
734833.00	3836353.00	1.57054	734858.00	3836353.00	1.68833
734883.00	3836353.00	1.80310	734908.00	3836353.00	1.89392
734933.00	3836353.00	1.94352	734958.00	3836353.00	1.95942
734633.00	3836378.00	1.08234	734658.00	3836378.00	1.18350
734683.00	3836378.00	1.31516	734708.00	3836378.00	1.46061
734733.00	3836378.00	1.58850	734758.00	3836378.00	1.68452
734783.00	3836378.00	1.79469	734808.00	3836378.00	1.95238
734833.00	3836378.00	2.15260	734858.00	3836378.00	2.34873
734883.00	3836378.00	2.49760	734908.00	3836378.00	2.58134
734933.00	3836378.00	2.60085	734958.00	3836378.00	2.56330
734633.00	3836403.00	1.27043	734658.00	3836403.00	1.41598
734683.00	3836403.00	1.61468	734708.00	3836403.00	1.83129
734733.00	3836403.00	2.01525	734758.00	3836403.00	2.19656
734783.00	3836403.00	2.47288	734808.00	3836403.00	2.83212
734833.00	3836403.00	3.19409	734858.00	3836403.00	3.45593
734883.00	3836403.00	3.58887	734908.00	3836403.00	3.59604
734933.00	3836403.00	3.49759	734958.00	3836403.00	3.32891
734633.00	3836428.00	1.52054	734658.00	3836428.00	1.73033
734683.00	3836428.00	2.03512	734708.00	3836428.00	2.34995
734733.00	3836428.00	2.65774	734758.00	3836428.00	3.14131
734783.00	3836428.00	3.85398	734808.00	3836428.00	4.57204
734833.00	3836428.00	5.06617	734858.00	3836428.00	5.27353
734883.00	3836428.00	5.20944	734908.00	3836428.00	4.96542
734933.00	3836428.00	4.62599	734958.00	3836428.00	4.24908
734633.00	3836453.00	1.85903	734658.00	3836453.00	2.14889
734683.00	3836453.00	2.60378	734708.00	3836453.00	3.08190

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): GEN ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
734733.00	3836453.00	3.82828	734758.00	3836453.00	5.28209
734783.00	3836453.00	6.88779	734808.00	3836453.00	7.93252
734833.00	3836453.00	8.22259	734858.00	3836453.00	7.96908
734883.00	3836453.00	7.40550	734908.00	3836453.00	6.70875
734933.00	3836453.00	5.99671	734958.00	3836453.00	5.33275
734633.00	3836478.00	2.33384	734658.00	3836478.00	2.65470
734683.00	3836478.00	3.23027	734708.00	3836478.00	4.08920
734733.00	3836478.00	6.65903	734758.00	3836478.00	10.53382
734783.00	3836478.00	13.03582	734808.00	3836478.00	13.63179
734833.00	3836478.00	12.93396	734858.00	3836478.00	11.63535
734883.00	3836478.00	10.16414	734908.00	3836478.00	8.77663
734933.00	3836478.00	7.54245	734958.00	3836478.00	6.48416
734633.00	3836503.00	2.92078	734658.00	3836503.00	2.98779
734683.00	3836503.00	3.37050	734708.00	3836503.00	5.94983
734733.00	3836503.00	13.79230	734758.00	3836503.00	21.21306
734783.00	3836503.00	23.26208	734808.00	3836503.00	21.78363
734833.00	3836503.00	18.90545	734858.00	3836503.00	15.88089
734883.00	3836503.00	13.16964	734908.00	3836503.00	10.88712
734933.00	3836503.00	9.02711	734958.00	3836503.00	7.53849
734633.00	3836528.00	3.63982	734658.00	3836528.00	3.40656
734683.00	3836528.00	3.83703	734708.00	3836528.00	10.58525
734733.00	3836528.00	27.87255	734758.00	3836528.00	35.55244
734783.00	3836528.00	34.26786	734808.00	3836528.00	29.17812
734833.00	3836528.00	23.65360	734633.00	3836553.00	7.39939
734658.00	3836553.00	10.46642	734683.00	3836553.00	6.35858
734708.00	3836553.00	10.65753	734733.00	3836553.00	32.50512
734758.00	3836553.00	38.27333	734783.00	3836553.00	35.16346
734808.00	3836553.00	28.94186	734833.00	3836553.00	23.00984
734633.00	3836578.00	14.35577	734658.00	3836578.00	12.71116
734683.00	3836578.00	2.25837	734708.00	3836578.00	2.80401
734733.00	3836578.00	12.03849	734758.00	3836578.00	20.27096
734783.00	3836578.00	22.04785	734808.00	3836578.00	19.88729
734833.00	3836578.00	16.79246	734633.00	3836603.00	8.99298
734658.00	3836603.00	7.12321	734683.00	3836603.00	3.36389
734708.00	3836603.00	2.48905	734733.00	3836603.00	3.46314
734758.00	3836603.00	6.15968	734783.00	3836603.00	8.43586
734808.00	3836603.00	9.22804	734833.00	3836603.00	9.01438
734633.00	3836628.00	5.89029	734658.00	3836628.00	4.60710
734683.00	3836628.00	3.12645	734708.00	3836628.00	2.47824
734733.00	3836628.00	2.29971	734758.00	3836628.00	2.67029

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): GEN ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
734783.00	3836628.00	3.41655	734808.00	3836628.00	4.10629
734833.00	3836628.00	4.54441	734633.00	3836653.00	4.01832
734658.00	3836653.00	3.29338	734683.00	3836653.00	2.50436
734708.00	3836653.00	2.07532	734733.00	3836653.00	1.84148
734758.00	3836653.00	1.80521	734783.00	3836653.00	1.96468
734808.00	3836653.00	2.22989	734833.00	3836653.00	2.51619
734633.00	3836678.00	2.92461	734658.00	3836678.00	2.46148
734683.00	3836678.00	1.99876	734708.00	3836678.00	1.72472
734733.00	3836678.00	1.54648	734758.00	3836678.00	1.44824
734783.00	3836678.00	1.44814	734808.00	3836678.00	1.52035
734833.00	3836678.00	1.64335	734633.00	3836703.00	2.25398
734658.00	3836703.00	1.93507	734683.00	3836703.00	1.64051
734708.00	3836703.00	1.45686	734733.00	3836703.00	1.32996
734758.00	3836703.00	1.23891	734783.00	3836703.00	1.19623
734808.00	3836703.00	1.19596	734833.00	3836703.00	1.23279
734633.00	3836728.00	1.80274	734658.00	3836728.00	1.58201
734683.00	3836728.00	1.38327	734708.00	3836728.00	1.25387
734733.00	3836728.00	1.16305	734758.00	3836728.00	1.09113
734783.00	3836728.00	1.04089	734808.00	3836728.00	1.01705
734833.00	3836728.00	1.01821	734633.00	3836753.00	1.48082
734658.00	3836753.00	1.32938	734683.00	3836753.00	1.19208
734708.00	3836753.00	1.09940	734733.00	3836753.00	1.03301
734758.00	3836753.00	0.98010	734783.00	3836753.00	0.93417
734808.00	3836753.00	0.90230	734833.00	3836753.00	0.88612
734633.00	3836778.00	1.25002	734658.00	3836778.00	1.14149
734683.00	3836778.00	1.04562	734708.00	3836778.00	0.97868
734733.00	3836778.00	0.92787	734758.00	3836778.00	0.89032
734783.00	3836778.00	0.85323	734808.00	3836778.00	0.81954
734833.00	3836778.00	0.79685	734633.00	3836803.00	1.07801
734658.00	3836803.00	0.99723	734683.00	3836803.00	0.93020
734708.00	3836803.00	0.88073	734733.00	3836803.00	0.84106
734758.00	3836803.00	0.81333	734783.00	3836803.00	0.78637
734808.00	3836803.00	0.75540	734833.00	3836803.00	0.73017
734633.00	3836828.00	0.94282	734658.00	3836828.00	0.88431
734683.00	3836828.00	0.83648	734708.00	3836828.00	0.80065
734733.00	3836828.00	0.76970	734758.00	3836828.00	0.74835
734783.00	3836828.00	0.72823	734808.00	3836828.00	0.70163
734833.00	3836828.00	0.67571	734633.00	3836853.00	0.83376
734658.00	3836853.00	0.79172	734683.00	3836853.00	0.75786
734708.00	3836853.00	0.73286	734733.00	3836853.00	0.71262

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): GEN ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
734758.00	3836853.00	0.69465	734783.00	3836853.00	0.67587
734808.00	3836853.00	0.65350	734833.00	3836853.00	0.62930

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): GEN ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
734293.00	3836155.00	47.76319	(15111908)	734318.00	3836155.00	52.31410	(15111908)
734343.00	3836155.00	55.86631	(15111908)	734368.00	3836155.00	55.19369	(15111908)
734393.00	3836155.00	54.42754	(15111908)	734418.00	3836155.00	51.14177	(15111908)
734443.00	3836155.00	46.34569	(15111908)	734468.00	3836155.00	40.44823	(15111908)
734493.00	3836155.00	36.46910	(16012208)	734518.00	3836155.00	53.66967	(16012208)
734543.00	3836155.00	60.78770	(16012208)	734568.00	3836155.00	62.55474	(16012208)
734593.00	3836155.00	111.55214	(15021608)	734618.00	3836155.00	151.58483	(15021608)
734293.00	3836180.00	56.99126	(16112308)	734318.00	3836180.00	54.03558	(15111908)
734343.00	3836180.00	59.85575	(15111908)	734368.00	3836180.00	64.06140	(15111908)
734393.00	3836180.00	61.59117	(15111908)	734418.00	3836180.00	59.55990	(15111908)
734443.00	3836180.00	54.55922	(15111908)	734468.00	3836180.00	48.16534	(15111908)
734493.00	3836180.00	40.68510	(15111908)	734518.00	3836180.00	64.97912	(16012208)
734543.00	3836180.00	76.40779	(16012208)	734568.00	3836180.00	80.54136	(16012208)
734593.00	3836180.00	116.53699	(15021608)	734618.00	3836180.00	173.46864	(15021608)
734293.00	3836205.00	66.09390	(16112308)	734318.00	3836205.00	59.69265	(16112308)
734343.00	3836205.00	62.42831	(15111908)	734368.00	3836205.00	69.80460	(15111908)
734393.00	3836205.00	74.63074	(15111908)	734418.00	3836205.00	69.06460	(15111908)
734443.00	3836205.00	64.93422	(15111908)	734468.00	3836205.00	57.66264	(15111908)
734493.00	3836205.00	49.28512	(15111908)	734518.00	3836205.00	62.91975	(16012208)
734543.00	3836205.00	94.10157	(16012208)	734568.00	3836205.00	102.40254	(16012208)
734593.00	3836205.00	118.14107	(15021608)	734618.00	3836205.00	195.91133	(15021608)
734293.00	3836230.00	79.95377	(15112308)	734318.00	3836230.00	73.60502	(15112308)
734343.00	3836230.00	61.87326	(16112308)	734368.00	3836230.00	73.05941	(15111908)
734393.00	3836230.00	82.48604	(15111908)	734418.00	3836230.00	87.45341	(15111908)
734443.00	3836230.00	76.91282	(15111908)	734468.00	3836230.00	69.74275	(15111908)
734493.00	3836230.00	59.78147	(15111908)	734518.00	3836230.00	69.69767	(16012208)
734543.00	3836230.00	112.37138	(16012208)	734568.00	3836230.00	127.57025	(16012208)
734593.00	3836230.00	115.87992	(15021608)	734618.00	3836230.00	217.60304	(15021608)
734293.00	3836255.00	88.69889	(15112308)	734318.00	3836255.00	91.75062	(15112308)
734343.00	3836255.00	85.92532	(15112308)	734368.00	3836255.00	72.85777	(15111908)
734393.00	3836255.00	87.35766	(15111908)	734418.00	3836255.00	99.09066	(15111908)
734443.00	3836255.00	103.11437	(15111908)	734468.00	3836255.00	86.59776	(12102718)
734493.00	3836255.00	73.80232	(15111908)	734518.00	3836255.00	70.68709	(16012208)
734543.00	3836255.00	129.42130	(16012208)	734568.00	3836255.00	154.89542	(16012208)
734593.00	3836255.00	156.93925	(16012208)	734618.00	3836255.00	235.29389	(15021608)
734293.00	3836280.00	88.38156	(15112308)	734318.00	3836280.00	100.45077	(15112308)
734343.00	3836280.00	106.43067	(15112308)	734368.00	3836280.00	101.69106	(15112308)
734393.00	3836280.00	86.48196	(15111908)	734418.00	3836280.00	105.91152	(15111908)
734443.00	3836280.00	119.81757	(15111908)	734468.00	3836280.00	102.69660	(12102718)
734493.00	3836280.00	106.88233	(12102718)	734518.00	3836280.00	76.86446	(12102718)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): GEN ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
734543.00	3836280.00	112.49712	(16012208)	734568.00	3836280.00	181.76373	(16012208)
734593.00	3836280.00	193.10742	(16012208)	734618.00	3836280.00	244.68369	(15021608)
734293.00	3836305.00	77.77584	(15112308)	734318.00	3836305.00	96.91506	(15112308)
734343.00	3836305.00	113.94539	(15112308)	734368.00	3836305.00	123.71810	(15112308)
734393.00	3836305.00	120.36673	(15112308)	734418.00	3836305.00	103.61143	(15111908)
734443.00	3836305.00	129.38357	(15111908)	734468.00	3836305.00	144.42317	(15111908)
734493.00	3836305.00	131.26179	(12102718)	734518.00	3836305.00	101.74949	(12102718)
734543.00	3836305.00	116.17299	(16012208)	734568.00	3836305.00	204.14932	(16012208)
734593.00	3836305.00	231.46294	(16012208)	734618.00	3836305.00	244.19027	(15021608)
734293.00	3836330.00	56.80930	(15112308)	734318.00	3836330.00	80.58292	(15112308)
734343.00	3836330.00	104.84881	(15112308)	734368.00	3836330.00	127.99056	(15112308)
734393.00	3836330.00	142.78321	(15112308)	734418.00	3836330.00	139.99458	(15112308)
734443.00	3836330.00	124.98321	(15111908)	734468.00	3836330.00	158.47533	(15111908)
734493.00	3836330.00	172.09105	(15111908)	734518.00	3836330.00	163.28624	(12102718)
734543.00	3836330.00	114.21502	(12102718)	734568.00	3836330.00	217.44858	(16012208)
734593.00	3836330.00	268.53604	(16012208)	734618.00	3836330.00	256.03500	(16012208)
734293.00	3836355.00	50.35294	(14120408)	734318.00	3836355.00	60.93055	(14120408)
734343.00	3836355.00	80.33259	(15112308)	734368.00	3836355.00	111.38584	(15112308)
734393.00	3836355.00	142.07717	(15112308)	734418.00	3836355.00	162.10471	(15112308)
734443.00	3836355.00	168.98290	(14112008)	734468.00	3836355.00	153.02616	(15111908)
734493.00	3836355.00	195.52143	(15111908)	734518.00	3836355.00	203.26547	(15111908)
734543.00	3836355.00	195.57915	(12102718)	734568.00	3836355.00	168.12741	(16012208)
734593.00	3836355.00	300.97114	(16012208)	734618.00	3836355.00	307.68582	(16012208)
734293.00	3836380.00	51.05657	(15013108)	734318.00	3836380.00	49.89092	(15013108)
734343.00	3836380.00	76.17750	(14120408)	734368.00	3836380.00	93.53678	(14120408)
734393.00	3836380.00	112.04503	(15112308)	734418.00	3836380.00	153.95829	(14112008)
734443.00	3836380.00	192.92281	(14112008)	734468.00	3836380.00	210.72253	(14112008)
734493.00	3836380.00	186.50328	(15111908)	734518.00	3836380.00	238.38681	(15111908)
734543.00	3836380.00	240.88959	(12102718)	734568.00	3836380.00	177.34295	(15112019)
734593.00	3836380.00	316.83750	(16012208)	734618.00	3836380.00	360.09744	(16012208)
734293.00	3836405.00	63.15636	(15013108)	734318.00	3836405.00	69.76231	(15013108)
734343.00	3836405.00	73.86658	(15013108)	734368.00	3836405.00	92.96795	(14120408)
734393.00	3836405.00	117.27239	(14120408)	734418.00	3836405.00	142.03405	(14120408)
734443.00	3836405.00	173.38242	(14112008)	734468.00	3836405.00	230.61531	(14112008)
734493.00	3836405.00	259.75496	(14112008)	734518.00	3836405.00	226.68342	(15111908)
734543.00	3836405.00	288.44989	(15111908)	734568.00	3836405.00	293.77532	(12102718)
734593.00	3836405.00	305.55982	(16012208)	734618.00	3836405.00	402.99612	(16012208)
734293.00	3836430.00	67.53243	(15013108)	734318.00	3836430.00	78.00992	(15013108)
734343.00	3836430.00	87.95339	(15013108)	734368.00	3836430.00	97.49128	(15013108)
734393.00	3836430.00	101.16437	(15013108)	734418.00	3836430.00	139.63377	(14120408)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): GEN ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
734443.00	3836430.00	175.90018	(14120408)	734468.00	3836430.00	208.34847	(14120408)
734493.00	3836430.00	265.55202	(14112008)	734518.00	3836430.00	316.59443	(14112008)
734543.00	3836430.00	287.85711	(14112008)	734568.00	3836430.00	342.49163	(15111908)
734593.00	3836430.00	334.90393	(12102718)	734618.00	3836430.00	426.15439	(16012208)
734293.00	3836455.00	74.69772	(12122218)	734318.00	3836455.00	85.53658	(12122218)
734343.00	3836455.00	96.18325	(12122218)	734368.00	3836455.00	106.68889	(12122218)
734393.00	3836455.00	115.98771	(15013108)	734418.00	3836455.00	121.97083	(15013108)
734443.00	3836455.00	123.08870	(15013108)	734468.00	3836455.00	204.90696	(14120408)
734493.00	3836455.00	254.37495	(14120408)	734518.00	3836455.00	290.10017	(14112008)
734543.00	3836455.00	377.93093	(14112008)	734568.00	3836455.00	351.60998	(14112008)
734593.00	3836455.00	403.65138	(12102718)	734618.00	3836455.00	415.59879	(16012208)
734293.00	3836480.00	87.76461	(13020908)	734318.00	3836480.00	95.37419	(16021618)
734343.00	3836480.00	107.02519	(16021618)	734368.00	3836480.00	116.52677	(12122218)
734393.00	3836480.00	130.45382	(12122218)	734418.00	3836480.00	140.39246	(12122218)
734443.00	3836480.00	145.27679	(12122218)	734468.00	3836480.00	141.07511	(12122218)
734493.00	3836480.00	216.71318	(14120408)	734518.00	3836480.00	288.16064	(14120408)
734543.00	3836480.00	350.00208	(14120408)	734568.00	3836480.00	436.61140	(14112008)
734593.00	3836480.00	439.54435	(14112008)	734618.00	3836480.00	514.37779	(12102718)
734293.00	3836505.00	126.48245	(13022208)	734318.00	3836505.00	138.82807	(13022208)
734343.00	3836505.00	151.19539	(13022208)	734368.00	3836505.00	163.58184	(13022208)
734393.00	3836505.00	173.87205	(13022208)	734418.00	3836505.00	181.25441	(14121808)
734443.00	3836505.00	210.86983	(14121808)	734468.00	3836505.00	238.65498	(14121808)
734493.00	3836505.00	261.19523	(14121808)	734518.00	3836505.00	180.15439	(14121808)
734543.00	3836505.00	290.13666	(14120408)	734568.00	3836505.00	405.63572	(14120408)
734593.00	3836505.00	492.50242	(14120408)	734618.00	3836505.00	569.54681	(14112008)
734293.00	3836530.00	132.78490	(13022208)	734318.00	3836530.00	150.61608	(13022208)
734343.00	3836530.00	171.31640	(13022208)	734368.00	3836530.00	196.79776	(13022208)
734393.00	3836530.00	225.55314	(13022208)	734418.00	3836530.00	256.53382	(13022208)
734443.00	3836530.00	291.14901	(13022208)	734468.00	3836530.00	326.10465	(13022208)
734493.00	3836530.00	359.14931	(13022208)	734518.00	3836530.00	385.34745	(13022208)
734543.00	3836530.00	401.26299	(13022208)	734568.00	3836530.00	442.10728	(14121808)
734593.00	3836530.00	488.79339	(14121808)	734611.02	3836528.56	597.76264	(14120408)
734293.00	3836555.00	133.74360	(15012208)	734318.00	3836555.00	156.93431	(15012208)
734343.00	3836555.00	185.30088	(15012208)	734368.00	3836555.00	222.45232	(15012208)
734393.00	3836555.00	264.91879	(15012208)	734418.00	3836555.00	312.46361	(15012208)
734443.00	3836555.00	368.59869	(15012208)	734468.00	3836555.00	426.93172	(15012208)
734493.00	3836555.00	484.23822	(15012208)	734518.00	3836555.00	536.26512	(15012208)
734543.00	3836555.00	582.15872	(15012208)	734568.00	3836555.00	628.45859	(15012208)
734593.00	3836555.00	674.32369	(15012208)	734610.30	3836554.52	729.07884	(15012208)
734293.00	3836580.00	153.46808	(15012208)	734318.00	3836580.00	178.02528	(15012208)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): GEN ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
734343.00	3836580.00	206.03906	(15012208)	734368.00	3836580.00	241.09496	(15012208)
734393.00	3836580.00	293.08835	(12121508)	734418.00	3836580.00	353.42323	(12121508)
734443.00	3836580.00	421.91537	(12121508)	734468.00	3836580.00	487.26458	(12121508)
734493.00	3836580.00	541.08985	(12121508)	734518.00	3836580.00	569.13062	(12121508)
734543.00	3836580.00	685.45068	(15010208)	734568.00	3836580.00	811.68799	(15010208)
734593.00	3836580.00	854.16820	(15010208)	734610.30	3836580.00	906.78820	(16122008)
734293.00	3836605.00	173.80959	(12121508)	734318.00	3836605.00	203.45406	(12121508)
734343.00	3836605.00	234.80600	(12121508)	734368.00	3836605.00	270.00414	(12121508)
734393.00	3836605.00	304.87204	(15012419)	734418.00	3836605.00	347.18349	(15010208)
734443.00	3836605.00	464.89524	(15010208)	734468.00	3836605.00	581.50881	(15010208)
734493.00	3836605.00	665.47819	(15010208)	734518.00	3836605.00	679.88924	(15010208)
734543.00	3836605.00	760.78798	(16122008)	734568.00	3836605.00	825.28346	(15121808)
734593.00	3836605.00	817.03263	(12010508)	734609.57	3836605.00	821.22985	(13122808)
734293.00	3836630.00	163.92834	(15012419)	734318.00	3836630.00	181.88578	(15010208)
734343.00	3836630.00	241.71945	(15010208)	734368.00	3836630.00	315.80273	(15010208)
734393.00	3836630.00	387.99231	(15010208)	734418.00	3836630.00	443.37789	(15010208)
734443.00	3836630.00	469.42049	(15010208)	734468.00	3836630.00	563.54173	(16122008)
734493.00	3836630.00	632.28291	(16122008)	734518.00	3836630.00	714.88974	(15121808)
734543.00	3836630.00	738.00859	(15123108)	734568.00	3836630.00	743.29898	(12010508)
734593.00	3836630.00	766.62729	(12121019)	734609.33	3836629.52	782.24254	(16010219)
734293.00	3836655.00	189.35553	(15010208)	734318.00	3836655.00	227.30029	(15010208)
734343.00	3836655.00	259.26131	(15010208)	734368.00	3836655.00	286.75634	(15013008)
734393.00	3836655.00	343.97941	(16122008)	734418.00	3836655.00	423.77127	(16122008)
734443.00	3836655.00	460.16954	(16122008)	734468.00	3836655.00	569.50256	(15121808)
734493.00	3836655.00	620.94970	(15123108)	734518.00	3836655.00	652.81826	(12010508)
734543.00	3836655.00	676.95228	(13122808)	734568.00	3836655.00	703.40727	(12121019)
734593.00	3836655.00	690.92382	(12011808)	734608.61	3836654.76	709.97352	(16122619)
734293.00	3836680.00	167.13816	(15013008)	734318.00	3836680.00	191.92378	(16122008)
734343.00	3836680.00	246.50996	(16122008)	734368.00	3836680.00	293.75830	(16122008)
734393.00	3836680.00	328.27477	(15121808)	734418.00	3836680.00	416.93948	(15121808)
734443.00	3836680.00	470.96637	(15123108)	734468.00	3836680.00	481.95881	(12010508)
734493.00	3836680.00	558.80454	(12010508)	734518.00	3836680.00	604.53083	(13122808)
734543.00	3836680.00	635.11630	(12121019)	734568.00	3836680.00	647.78067	(12011808)
734593.00	3836680.00	647.60438	(16122619)	734293.00	3836705.00	171.36121	(16122008)
734318.00	3836705.00	194.91076	(16122008)	734343.00	3836705.00	227.09209	(15121808)
734368.00	3836705.00	291.25977	(15121808)	734393.00	3836705.00	335.19294	(15123108)
734418.00	3836705.00	360.45229	(15123108)	734443.00	3836705.00	424.65284	(12010508)
734468.00	3836705.00	434.16414	(12010508)	734493.00	3836705.00	509.48267	(13122808)
734518.00	3836705.00	547.58662	(12121019)	734543.00	3836705.00	576.73811	(14010108)
734568.00	3836705.00	628.73885	(16122619)	734593.00	3836705.00	577.62712	(12020808)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): GEN ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
734293.00	3836730.00	157.99602	(15121808)	734318.00	3836730.00	197.90845	(15121808)
734343.00	3836730.00	225.86131	(15123108)	734368.00	3836730.00	258.39382	(15123108)
734393.00	3836730.00	288.78362	(12011108)	734418.00	3836730.00	340.35617	(12011108)
734443.00	3836730.00	374.92854	(13122808)	734468.00	3836730.00	410.01421	(13122808)
734493.00	3836730.00	458.18098	(12121019)	734518.00	3836730.00	499.83971	(14010108)
734543.00	3836730.00	540.83171	(16122619)	734568.00	3836730.00	532.16280	(13122719)
734593.00	3836730.00	545.96299	(16122919)	734293.00	3836755.00	154.98928	(15121808)
734318.00	3836755.00	179.44608	(15123108)	734343.00	3836755.00	183.51216	(15123108)
734368.00	3836755.00	239.80279	(12011108)	734393.00	3836755.00	257.50723	(12011108)
734418.00	3836755.00	308.30105	(13122808)	734443.00	3836755.00	332.05956	(12121019)
734468.00	3836755.00	372.96055	(12121019)	734493.00	3836755.00	420.78540	(14010108)
734518.00	3836755.00	425.36797	(16122619)	734543.00	3836755.00	461.29425	(16122619)
734568.00	3836755.00	471.83882	(12020808)	734593.00	3836755.00	440.28874	(16010808)
734293.00	3836780.00	135.77116	(15123108)	734318.00	3836780.00	160.52574	(12011108)
734343.00	3836780.00	188.42145	(12011108)	734368.00	3836780.00	194.22725	(13122808)
734393.00	3836780.00	246.75311	(13122808)	734418.00	3836780.00	268.51645	(12121019)
734443.00	3836780.00	297.13906	(12121019)	734468.00	3836780.00	344.07677	(14010108)
734493.00	3836780.00	349.44960	(12011808)	734518.00	3836780.00	407.47089	(16122619)
734543.00	3836780.00	400.02011	(13122719)	734568.00	3836780.00	425.64747	(16122919)
734593.00	3836780.00	409.09626	(13121119)	734293.00	3836805.00	135.60167	(12011108)
734318.00	3836805.00	147.15208	(12011108)	734343.00	3836805.00	161.92012	(13122808)
734368.00	3836805.00	193.40396	(13122808)	734393.00	3836805.00	215.26277	(12121019)
734418.00	3836805.00	233.08078	(12121019)	734443.00	3836805.00	273.55134	(14010108)
734468.00	3836805.00	289.90036	(12011808)	734493.00	3836805.00	335.82033	(16122619)
734518.00	3836805.00	339.40363	(13122719)	734543.00	3836805.00	354.30102	(12020808)
734568.00	3836805.00	342.33288	(16122919)	734593.00	3836805.00	348.39422	(13121119)
734293.00	3836830.00	115.74568	(12011108)	734318.00	3836830.00	135.44848	(13122808)
734343.00	3836830.00	151.41485	(13122808)	734368.00	3836830.00	171.46286	(12121019)
734393.00	3836830.00	183.62252	(12121019)	734418.00	3836830.00	214.78351	(14010108)
734443.00	3836830.00	232.68832	(12011808)	734468.00	3836830.00	259.17834	(16122619)
734493.00	3836830.00	271.23477	(16122619)	734518.00	3836830.00	279.23033	(13122719)
734543.00	3836830.00	310.47827	(12020808)	734568.00	3836830.00	288.26313	(13121119)
734593.00	3836830.00	313.32661	(13020219)	734293.00	3836855.00	114.08298	(13122808)
734318.00	3836855.00	121.99496	(13122808)	734343.00	3836855.00	138.14283	(12121019)
734368.00	3836855.00	145.89233	(15011908)	734393.00	3836855.00	169.34307	(14010108)
734418.00	3836855.00	184.51985	(12011808)	734443.00	3836855.00	192.47624	(16122619)
734468.00	3836855.00	229.23628	(16122619)	734493.00	3836855.00	240.24076	(13122719)
734518.00	3836855.00	251.27207	(12020808)	734543.00	3836855.00	252.26836	(16122919)
734568.00	3836855.00	260.12787	(13121119)	734593.00	3836855.00	274.89787	(13020219)
734633.00	3836153.00	148.66444	(15021608)	734658.00	3836153.00	117.76346	(15120118)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): GEN ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
734683.00	3836153.00	137.31874	(15120118)	734708.00	3836153.00	103.71561	(15122618)
734733.00	3836153.00	117.02820	(15122618)	734758.00	3836153.00	109.81995	(16021219)
734783.00	3836153.00	124.76931	(16021219)	734808.00	3836153.00	104.25220	(12020919)
734833.00	3836153.00	67.69096	(12020919)	734858.00	3836153.00	53.89212	(15121517)
734633.00	3836178.00	174.48607	(15021608)	734658.00	3836178.00	132.42699	(15120118)
734683.00	3836178.00	156.64355	(15120118)	734708.00	3836178.00	115.46981	(15122618)
734733.00	3836178.00	128.43657	(15122618)	734758.00	3836178.00	131.06572	(16021219)
734783.00	3836178.00	136.38975	(12020919)	734808.00	3836178.00	103.84380	(12020919)
734833.00	3836178.00	67.05208	(15121517)	734858.00	3836178.00	70.24921	(15112618)
734883.00	3836178.00	97.87176	(15112618)	734633.00	3836203.00	204.84275	(15021608)
734658.00	3836203.00	150.13486	(15120118)	734683.00	3836203.00	180.39549	(15120118)
734708.00	3836203.00	129.40765	(15122618)	734733.00	3836203.00	140.51585	(15122618)
734758.00	3836203.00	155.09595	(16021219)	734783.00	3836203.00	150.23387	(12020919)
734808.00	3836203.00	96.78989	(12020919)	734833.00	3836203.00	78.74667	(15121517)
734858.00	3836203.00	97.18816	(15112618)	734883.00	3836203.00	118.70968	(15112618)
734908.00	3836203.00	116.78116	(16121419)	734633.00	3836228.00	239.05762	(15021608)
734658.00	3836228.00	171.28499	(15120118)	734683.00	3836228.00	208.99796	(15120118)
734708.00	3836228.00	145.80226	(15122618)	734733.00	3836228.00	152.43032	(15122618)
734758.00	3836228.00	180.33022	(16021219)	734783.00	3836228.00	159.33789	(12020919)
734808.00	3836228.00	98.46298	(15121517)	734833.00	3836228.00	90.12940	(15121517)
734858.00	3836228.00	127.85937	(15112618)	734883.00	3836228.00	132.79164	(15112618)
734908.00	3836228.00	120.94222	(16121419)	734933.00	3836228.00	91.28429	(15112118)
734633.00	3836253.00	274.47605	(15021608)	734658.00	3836253.00	200.22862	(15021608)
734683.00	3836253.00	242.71779	(15120118)	734708.00	3836253.00	164.80475	(15122618)
734733.00	3836253.00	168.08825	(16021219)	734758.00	3836253.00	207.68785	(12020919)
734783.00	3836253.00	149.77010	(12020919)	734808.00	3836253.00	116.25758	(15121517)
734833.00	3836253.00	128.53555	(15112618)	734858.00	3836253.00	156.01146	(15112618)
734883.00	3836253.00	139.51387	(16121419)	734908.00	3836253.00	107.91883	(16121419)
734933.00	3836253.00	112.32747	(15112118)	734958.00	3836253.00	111.27629	(16110718)
734633.00	3836278.00	308.02610	(15021608)	734658.00	3836278.00	235.48016	(15021608)
734683.00	3836278.00	280.36109	(15120118)	734708.00	3836278.00	186.32757	(15122618)
734733.00	3836278.00	208.48216	(16021219)	734758.00	3836278.00	234.78163	(12020919)
734783.00	3836278.00	140.82685	(15121517)	734808.00	3836278.00	131.40841	(15121517)
734833.00	3836278.00	174.67346	(15112618)	734858.00	3836278.00	168.28346	(15112618)
734883.00	3836278.00	128.80198	(16121419)	734908.00	3836278.00	123.63708	(15112118)
734933.00	3836278.00	125.83476	(16110718)	734958.00	3836278.00	107.58618	(16110718)
734633.00	3836303.00	339.60651	(15021608)	734658.00	3836303.00	269.84077	(15021608)
734683.00	3836303.00	321.20642	(15120118)	734708.00	3836303.00	209.70449	(15122618)
734733.00	3836303.00	251.30656	(16021219)	734758.00	3836303.00	247.48424	(12020919)
734783.00	3836303.00	165.30322	(15121517)	734808.00	3836303.00	178.01967	(15112618)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): GEN ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
734833.00	3836303.00	208.53982	(15112618)	734858.00	3836303.00	157.49125	(16121419)
734883.00	3836303.00	134.65893	(15112118)	734908.00	3836303.00	144.66482	(16110718)
734933.00	3836303.00	121.67167	(16110718)	734958.00	3836303.00	81.91351	(16110718)
734633.00	3836328.00	363.19163	(15021608)	734658.00	3836328.00	346.78362	(15021608)
734683.00	3836328.00	362.55128	(15120118)	734708.00	3836328.00	232.74530	(15122618)
734733.00	3836328.00	306.84955	(12020919)	734758.00	3836328.00	220.52203	(12020919)
734783.00	3836328.00	181.87714	(15121517)	734808.00	3836328.00	240.54830	(15112618)
734833.00	3836328.00	205.48348	(15112618)	734858.00	3836328.00	144.28861	(16110718)
734883.00	3836328.00	167.48053	(16110718)	734908.00	3836328.00	139.84988	(16110718)
734933.00	3836328.00	95.10644	(13101019)	734958.00	3836328.00	83.05005	(16101319)
734633.00	3836353.00	371.02904	(15021608)	734658.00	3836353.00	399.35406	(15021608)
734683.00	3836353.00	406.95916	(15120118)	734708.00	3836353.00	252.85781	(15122618)
734733.00	3836353.00	348.19044	(12020919)	734758.00	3836353.00	218.11668	(15121517)
734783.00	3836353.00	245.53586	(15112618)	734808.00	3836353.00	265.43726	(15112618)
734833.00	3836353.00	151.79298	(16110718)	734858.00	3836353.00	192.65660	(16110718)
734883.00	3836353.00	161.22646	(16110718)	734908.00	3836353.00	112.29151	(13101019)
734933.00	3836353.00	97.65380	(16101319)	734958.00	3836353.00	112.13804	(16102619)
734633.00	3836378.00	355.62330	(15021608)	734658.00	3836378.00	449.99870	(15021608)
734683.00	3836378.00	449.39526	(15120118)	734708.00	3836378.00	296.27413	(12020919)
734733.00	3836378.00	360.68733	(12020919)	734758.00	3836378.00	234.09178	(15121517)
734783.00	3836378.00	318.86671	(15112618)	734808.00	3836378.00	204.56422	(15112618)
734833.00	3836378.00	219.44012	(16110718)	734858.00	3836378.00	184.11115	(16110718)
734883.00	3836378.00	125.83691	(13101019)	734908.00	3836378.00	115.65675	(16102619)
734933.00	3836378.00	133.61443	(16102619)	734958.00	3836378.00	125.85378	(16102619)
734633.00	3836403.00	377.78743	(16012208)	734658.00	3836403.00	489.90465	(15021608)
734683.00	3836403.00	484.12403	(15120118)	734708.00	3836403.00	376.80702	(12020919)
734733.00	3836403.00	297.47823	(12020919)	734758.00	3836403.00	331.32314	(15112618)
734783.00	3836403.00	304.90911	(15112618)	734808.00	3836403.00	246.28961	(16110718)
734833.00	3836403.00	210.67073	(16110718)	734858.00	3836403.00	131.94632	(13101019)
734883.00	3836403.00	142.86376	(16102619)	734908.00	3836403.00	151.94916	(16102619)
734933.00	3836403.00	130.45617	(16102619)	734958.00	3836403.00	113.77110	(16091919)
734633.00	3836428.00	437.88579	(16012208)	734658.00	3836428.00	521.43012	(15021608)
734683.00	3836428.00	513.43014	(15120118)	734708.00	3836428.00	441.76742	(12020919)
734733.00	3836428.00	279.71410	(15121517)	734758.00	3836428.00	386.94031	(15112618)
734783.00	3836428.00	271.18834	(16110718)	734808.00	3836428.00	239.24311	(16110718)
734833.00	3836428.00	146.79657	(16112817)	734858.00	3836428.00	173.11525	(16102619)
734883.00	3836428.00	162.69169	(16102619)	734908.00	3836428.00	119.91896	(16091919)
734933.00	3836428.00	126.84035	(16091919)	734958.00	3836428.00	117.53641	(16091919)
734633.00	3836453.00	498.32709	(16012208)	734658.00	3836453.00	543.74057	(15021608)
734683.00	3836453.00	543.50134	(15120118)	734708.00	3836453.00	461.09169	(12020919)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): GEN ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
734733.00	3836453.00	413.50006	(15112618)	734758.00	3836453.00	278.66441	(16110718)
734783.00	3836453.00	264.28326	(16110718)	734808.00	3836453.00	196.48370	(16050418)
734833.00	3836453.00	195.86144	(16102619)	734858.00	3836453.00	154.14180	(16102619)
734883.00	3836453.00	133.51382	(16091919)	734908.00	3836453.00	121.65286	(16091919)
734933.00	3836453.00	113.14294	(12120419)	734958.00	3836453.00	105.71984	(12120419)
734633.00	3836478.00	530.17271	(16012208)	734658.00	3836478.00	539.80704	(15021608)
734683.00	3836478.00	520.15725	(15120118)	734708.00	3836478.00	387.85881	(12020919)
734733.00	3836478.00	383.97999	(15112618)	734758.00	3836478.00	281.16485	(16110718)
734783.00	3836478.00	268.01485	(16050418)	734808.00	3836478.00	232.61304	(16050418)
734833.00	3836478.00	177.10563	(16050418)	734858.00	3836478.00	132.95450	(16082718)
734883.00	3836478.00	109.50866	(16121216)	734908.00	3836478.00	102.94124	(13020819)
734933.00	3836478.00	110.70005	(15112119)	734958.00	3836478.00	120.20214	(15112119)
734633.00	3836503.00	617.76333	(12102718)	734658.00	3836503.00	764.44530	(16012208)
734683.00	3836503.00	578.30054	(15120118)	734708.00	3836503.00	515.17002	(15112618)
734733.00	3836503.00	304.61624	(16121609)	734758.00	3836503.00	314.75514	(16050418)
734783.00	3836503.00	269.89440	(16050418)	734808.00	3836503.00	192.62095	(14090408)
734833.00	3836503.00	164.54539	(16042118)	734858.00	3836503.00	140.79872	(16032918)
734883.00	3836503.00	120.58469	(16032918)	734908.00	3836503.00	108.21522	(16101019)
734933.00	3836503.00	111.27772	(16101019)	734958.00	3836503.00	108.73019	(15112119)
734633.00	3836528.00	1074.48037	(12122110)	734658.00	3836528.00	917.60113	(15111908)
734683.00	3836528.00	999.94340	(15121517)	734708.00	3836528.00	529.25825	(12110610)
734733.00	3836528.00	361.97499	(16072808)	734758.00	3836528.00	294.24578	(12082708)
734783.00	3836528.00	263.74570	(16102712)	734808.00	3836528.00	215.21479	(13112916)
734833.00	3836528.00	180.52585	(16012817)	734633.00	3836553.00	1099.38755	(15012608)
734658.00	3836553.00	628.52091	(15010308)	734683.00	3836553.00	823.51342	(15100609)
734708.00	3836553.00	754.36960	(15091909)	734733.00	3836553.00	452.85632	(16100710)
734758.00	3836553.00	344.78082	(16110915)	734783.00	3836553.00	268.36859	(16110915)
734808.00	3836553.00	251.22710	(16021517)	734833.00	3836553.00	212.09474	(16021517)
734633.00	3836578.00	1734.45118	(15123108)	734658.00	3836578.00	921.28571	(16122919)
734683.00	3836578.00	433.28516	(14121218)	734708.00	3836578.00	312.99577	(16070109)
734733.00	3836578.00	411.01592	(15012211)	734758.00	3836578.00	288.66917	(15012211)
734783.00	3836578.00	247.12448	(16101908)	734808.00	3836578.00	199.32720	(16101908)
734833.00	3836578.00	170.84733	(16022517)	734633.00	3836603.00	955.71544	(16010219)
734658.00	3836603.00	814.77208	(12010919)	734683.00	3836603.00	464.94869	(16121918)
734708.00	3836603.00	219.93756	(15011909)	734733.00	3836603.00	226.59494	(16031808)
734758.00	3836603.00	234.11603	(15012211)	734783.00	3836603.00	209.87970	(15012211)
734808.00	3836603.00	205.18236	(16122616)	734833.00	3836603.00	179.07981	(16011217)
734633.00	3836628.00	703.42725	(16012808)	734658.00	3836628.00	658.97076	(12010919)
734683.00	3836628.00	351.35644	(16121918)	734708.00	3836628.00	305.42592	(16122018)
734733.00	3836628.00	208.16044	(15011909)	734758.00	3836628.00	216.77624	(16031808)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): GEN ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
734783.00	3836628.00	169.46289	(16031808)	734808.00	3836628.00	165.28258	(14042918)
734833.00	3836628.00	155.80338	(16122616)	734633.00	3836653.00	667.40459	(16122919)
734658.00	3836653.00	523.60448	(12010919)	734683.00	3836653.00	321.96927	(16121918)
734708.00	3836653.00	304.36484	(16122018)	734733.00	3836653.00	154.71820	(15011909)
734758.00	3836653.00	155.77113	(16031808)	734783.00	3836653.00	170.83424	(15010219)
734808.00	3836653.00	142.77556	(15010219)	734833.00	3836653.00	124.64830	(14042918)
734633.00	3836678.00	600.52564	(13121119)	734658.00	3836678.00	478.82430	(12123108)
734683.00	3836678.00	311.24199	(16122108)	734708.00	3836678.00	254.05537	(14121218)
734733.00	3836678.00	260.61080	(16122018)	734758.00	3836678.00	125.65088	(15011909)
734783.00	3836678.00	128.69511	(16050517)	734808.00	3836678.00	170.63543	(15010219)
734833.00	3836678.00	157.48239	(15010219)	734633.00	3836703.00	575.26440	(12010919)
734658.00	3836703.00	472.68700	(12123108)	734683.00	3836703.00	300.88286	(16122108)
734708.00	3836703.00	290.12588	(16121918)	734733.00	3836703.00	294.14777	(16122018)
734758.00	3836703.00	127.62406	(16122018)	734783.00	3836703.00	104.36449	(14040118)
734808.00	3836703.00	121.13209	(13122417)	734833.00	3836703.00	162.47672	(15010219)
734633.00	3836728.00	493.95733	(12010919)	734658.00	3836728.00	451.91776	(12123108)
734683.00	3836728.00	283.43958	(16122108)	734708.00	3836728.00	300.92927	(16121918)
734733.00	3836728.00	265.21369	(14121218)	734758.00	3836728.00	203.46489	(16122018)
734783.00	3836728.00	95.81644	(14040118)	734808.00	3836728.00	99.43222	(13122417)
734833.00	3836728.00	119.39590	(13122417)	734633.00	3836753.00	409.32652	(13122819)
734658.00	3836753.00	413.55739	(12123108)	734683.00	3836753.00	259.89962	(16122108)
734708.00	3836753.00	290.48745	(16121918)	734733.00	3836753.00	231.34950	(14121218)
734758.00	3836753.00	246.09382	(16122018)	734783.00	3836753.00	102.49526	(16122018)
734808.00	3836753.00	73.32066	(14040118)	734833.00	3836753.00	100.98029	(13122417)
734633.00	3836778.00	361.47894	(16122219)	734658.00	3836778.00	368.50261	(12123108)
734683.00	3836778.00	233.61917	(16122108)	734708.00	3836778.00	267.15094	(16121918)
734733.00	3836778.00	181.27116	(14121218)	734758.00	3836778.00	235.40234	(16122018)
734783.00	3836778.00	158.35128	(16122018)	734808.00	3836778.00	83.97140	(12011008)
734833.00	3836778.00	78.65757	(13122417)	734633.00	3836803.00	307.78499	(16122219)
734658.00	3836803.00	321.22717	(12123108)	734683.00	3836803.00	206.79915	(16122108)
734708.00	3836803.00	236.98836	(16121918)	734733.00	3836803.00	170.58766	(16121918)
734758.00	3836803.00	211.11406	(14121218)	734783.00	3836803.00	193.01272	(16122018)
734808.00	3836803.00	89.60702	(12011008)	734833.00	3836803.00	82.00301	(12011008)
734633.00	3836828.00	265.96895	(16010408)	734658.00	3836828.00	275.59984	(12123108)
734683.00	3836828.00	181.09793	(16122108)	734708.00	3836828.00	205.72262	(16121918)
734733.00	3836828.00	174.20246	(16121918)	734758.00	3836828.00	182.58926	(14121218)
734783.00	3836828.00	192.50153	(16122018)	734808.00	3836828.00	120.69282	(16122018)
734833.00	3836828.00	94.06501	(12011008)	734633.00	3836853.00	231.95142	(16010408)
734658.00	3836853.00	233.59882	(12123108)	734683.00	3836853.00	157.46138	(16122108)
734708.00	3836853.00	176.86042	(16122108)	734733.00	3836853.00	179.58869	(16121918)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): GEN ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
734758.00	3836853.00	150.80772	(14121218)	734783.00	3836853.00	174.77966	(16122018)
734808.00	3836853.00	143.74607	(16122018)	734833.00	3836853.00	95.28205	(12011008)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

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

** CONC OF PM_10 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	38.27333 AT (734758.00, 3836553.00, 36.39, 222.80, 0.00)	DC	
	2ND HIGHEST VALUE IS	35.55244 AT (734758.00, 3836528.00, 36.56, 222.80, 0.00)	DC	
	3RD HIGHEST VALUE IS	35.16346 AT (734783.00, 3836553.00, 36.50, 222.80, 0.00)	DC	
	4TH HIGHEST VALUE IS	34.26786 AT (734783.00, 3836528.00, 36.63, 222.80, 0.00)	DC	
	5TH HIGHEST VALUE IS	32.50512 AT (734733.00, 3836553.00, 36.32, 222.80, 0.00)	DC	
	6TH HIGHEST VALUE IS	29.17812 AT (734808.00, 3836528.00, 36.82, 222.80, 0.00)	DC	
	7TH HIGHEST VALUE IS	28.94186 AT (734808.00, 3836553.00, 36.74, 222.80, 0.00)	DC	
	8TH HIGHEST VALUE IS	27.87255 AT (734733.00, 3836528.00, 36.51, 222.80, 0.00)	DC	
	9TH HIGHEST VALUE IS	23.65360 AT (734833.00, 3836528.00, 36.98, 222.80, 0.00)	DC	
	10TH HIGHEST VALUE IS	23.26208 AT (734783.00, 3836503.00, 36.78, 222.80, 0.00)	DC	

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	1734.45118	ON 15123108: AT (734633.00, 3836578.00, 36.09, 222.80, 0.00)	DC	

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN SigA Data

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

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

A Total of   0 Fatal Error Message(s)
A Total of   2 Warning Message(s)
A Total of   3456 Informational Message(s)

A Total of   43848 Hours Were Processed

A Total of   210 Calm Hours Identified

A Total of   3246 Missing Hours Identified (7.40 Percent)

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

   ********   WARNING MESSAGES   ********
SO W320   39   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
MX W403   120   PFLCNV: Turbulence data is being used w/o ADJ_U* option   SigA Data

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

Attachment 3

HARP2 Inputs and Outputs

Red Eye Kite
HARP Input Information

Paramaters	Inputs	Input Values
Emissions	Pollutant	DPM
	hours/day	2
	hours/year	50
	lbs/hr[1]	0.00565
	tons/yr[2]	1.14E-04
	lbs/yr	0.228
Residential Cancer Risk	Exposure Duration	30 yrs
	Intake Rate Percentile	RPM
	Pathways	Inhalation Only
	FAH	No
Residential Chronic Risk	Intake Rate Percentile	OEHHA Derived
	Pathways	Inhalation Only
Worker Cancer Risk	Exposure Duration	25 years
	Intake Rate Percentile	OEHHA Derived
	Pathways	Worker Pathways
	8-hr Breating Rate	Moderate
Residential Chronic Risk	Intake Rate Percentile	OEHHA Derived
	Pathways	Worker Pathways
	8-hr Breating Rate	Moderate

Sources

1 CalEEMod Output - Max Hourly Data for Stationary Sources
2 CalEEMod Output - Annual Data for Stationary Sources)

HARP2 - HRACalc (dated 21081) 10/7/2022 1:33:03 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: Cancer
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 30

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0
2<16 Years Bin: 14
16<30 Years Bin: 14
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: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

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

****
TIER 2 SETTINGS
Tier2 not used.

****

Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: C:\HARP2\Project Files\REDEYEKITE\hra\Residential Cancer RiskCancerRisk.csv
Cancer risk total by receptor saved to: C:\HARP2\Project Files\REDEYEKITE\hra\Residential Cancer RiskCancerRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 21081) 10/7/2022 1:34:02 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: NCChronic
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER
Exposure duration are only adjusted for cancer assessments

****
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: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
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
NOTE: Exposure duration (i.e., start age, end age, ED, & FAH) are only adjusted for cancer assessments.

****
TIER 2 SETTINGS
Tier2 not used.

****

Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: C:\HARP2\Project Files\REDEYEKITE\hra\Residential Chronic RiskNCChronicRisk.csv
Chronic risk total by receptor saved to: C:\HARP2\Project Files\REDEYEKITE\hra\Residential Chronic RiskNCChronicRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 21081) 10/7/2022 1:36:18 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: Cancer
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 16
Total Exposure Duration: 25

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 25

****
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: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: Moderate8HR

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

****
TIER 2 SETTINGS
Tier2 not used.

****

Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: C:\HARP2\Project Files\REDEYEKITE\hra\Worker Cancer RiskCancerRisk.csv
Cancer risk total by receptor saved to: C:\HARP2\Project Files\REDEYEKITE\hra\Worker Cancer RiskCancerRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 21081) 10/7/2022 1:36:53 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: NCChronic
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER
Exposure duration are only adjusted for cancer assessments

****
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: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: Moderate8HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
NOTE: Exposure duration (i.e., start age, end age, ED, & FAH) are only adjusted for cancer assessments.

****
TIER 2 SETTINGS
Tier2 not used.

****

Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: C:\HARP2\Project Files\REDEYEKITE\hra\Worker Chronic RiskNCChronicRisk.csv
Chronic risk total by receptor saved to: C:\HARP2\Project Files\REDEYEKITE\hra\Worker Chronic RiskNCChronicRiskSumByRec.csv
HRA ran successfully

Attachment 4

Risk Summaries

Red Eye Kite
Risk Summary

Receptor Scenario	Cancer Risk (per million)	Chronic Hazard Index
	Actual	
MEIR	0.017935	4.7249E-06
MEIW	0.0077678	0.000025103
	Report Table	
MEIR	<1	<0.01
MEIW	<1	<0.01
SBCAPCD Threshold	**10 per million**	**1**
Exceed Threshold	No	No

Source: Attachment 3

Red Eye Kite
Risk Summary

Receptor Scenario	Cancer Risk (per million)	Chronic Hazard Index
	Actual	
MEIR	0.017935	4.7249E-06
MEIW	0.0077678	0.000025103
	Report Table	
MEIR	<1	<0.01
MEIW	<1	<0.01
SBCAPCD Threshold	**10 per million**	**1**
Exceed Threshold	No	No

Source: Attachment 3

***HARP - HRACalc v21081 10/7/2022 1:33:03 PM - Cancer Risk - Input File: C:\HARP2\Project Files\REDEYEKITE\hra\Residential Cancer RiskHRAInput.hra**

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_RISI	MMILK_RISK	WATER_RISK	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_RISI	EGG_RISK	
1	ALL		734293	3836155	7.05E-10	30YrCancerRi	7.05E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1
2	ALL		734318	3836155	7.31E-10	30YrCancerRi	7.31E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2
3	ALL		734343	3836155	7.57E-10	30YrCancerRi	7.57E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3
4	ALL		734368	3836155	7.83E-10	30YrCancerRi	7.83E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4
5	ALL		734393	3836155	8.10E-10	30YrCancerRi	8.10E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5
6	ALL		734418	3836155	8.37E-10	30YrCancerRi	8.37E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6
7	ALL		734443	3836155	8.64E-10	30YrCancerRi	8.64E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7
8	ALL		734468	3836155	8.90E-10	30YrCancerRi	8.90E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8
9	ALL		734493	3836155	9.16E-10	30YrCancerRi	9.16E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9
10	ALL		734518	3836155	9.42E-10	30YrCancerRi	9.42E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	10
11	ALL		734543	3836155	9.67E-10	30YrCancerRi	9.67E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	11
12	ALL		734568	3836155	9.93E-10	30YrCancerRi	9.93E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	12
13	ALL		734593	3836155	1.02E-09	30YrCancerRi	1.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	13
14	ALL		734618	3836155	1.04E-09	30YrCancerRi	1.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	14
15	ALL		734293	3836180	7.39E-10	30YrCancerRi	7.39E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	15
16	ALL		734318	3836180	7.68E-10	30YrCancerRi	7.68E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	16
17	ALL		734343	3836180	7.98E-10	30YrCancerRi	7.98E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	17
18	ALL		734368	3836180	8.28E-10	30YrCancerRi	8.28E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	18
19	ALL		734393	3836180	8.59E-10	30YrCancerRi	8.59E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	19
20	ALL		734418	3836180	8.90E-10	30YrCancerRi	8.90E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	20
21	ALL		734443	3836180	9.21E-10	30YrCancerRi	9.21E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	21
22	ALL		734468	3836180	9.51E-10	30YrCancerRi	9.51E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	22
23	ALL		734493	3836180	9.82E-10	30YrCancerRi	9.82E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	23
24	ALL		734518	3836180	1.01E-09	30YrCancerRi	1.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	24
25	ALL		734543	3836180	1.04E-09	30YrCancerRi	1.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	25
26	ALL		734568	3836180	1.07E-09	30YrCancerRi	1.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	26
27	ALL		734593	3836180	1.10E-09	30YrCancerRi	1.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	27
28	ALL		734618	3836180	1.13E-09	30YrCancerRi	1.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	28
29	ALL		734293	3836205	7.74E-10	30YrCancerRi	7.74E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	29
30	ALL		734318	3836205	8.07E-10	30YrCancerRi	8.07E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	30
31	ALL		734343	3836205	8.41E-10	30YrCancerRi	8.41E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	31
32	ALL		734368	3836205	8.76E-10	30YrCancerRi	8.76E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	32
33	ALL		734393	3836205	9.12E-10	30YrCancerRi	9.12E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	33
34	ALL		734418	3836205	9.48E-10	30YrCancerRi	9.48E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	34
35	ALL		734443	3836205	9.84E-10	30YrCancerRi	9.84E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	35
36	ALL		734468	3836205	1.02E-09	30YrCancerRi	1.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	36
37	ALL		734493	3836205	1.05E-09	30YrCancerRi	1.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	37
38	ALL		734518	3836205	1.09E-09	30YrCancerRi	1.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	38
39	ALL		734543	3836205	1.12E-09	30YrCancerRi	1.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	39
40	ALL		734568	3836205	1.16E-09	30YrCancerRi	1.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	40
41	ALL		734593	3836205	1.19E-09	30YrCancerRi	1.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	41
42	ALL		734618	3836205	1.23E-09	30YrCancerRi	1.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	42
43	ALL		734293	3836230	8.08E-10	30YrCancerRi	8.08E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	43
44	ALL		734318	3836230	8.46E-10	30YrCancerRi	8.46E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	44
45	ALL		734343	3836230	8.84E-10	30YrCancerRi	8.84E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	45
46	ALL		734368	3836230	9.23E-10	30YrCancerRi	9.23E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	46
47	ALL		734393	3836230	9.65E-10	30YrCancerRi	9.65E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	47
48	ALL		734418	3836230	1.01E-09	30YrCancerRi	1.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	48
49	ALL		734443	3836230	1.05E-09	30YrCancerRi	1.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	49
50	ALL		734468	3836230	1.09E-09	30YrCancerRi	1.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	50
51	ALL		734493	3836230	1.13E-09	30YrCancerRi	1.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	51
52	ALL		734518	3836230	1.17E-09	30YrCancerRi	1.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	52
53	ALL		734543	3836230	1.22E-09	30YrCancerRi	1.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	53
54	ALL		734568	3836230	1.26E-09	30YrCancerRi	1.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	54
55	ALL		734593	3836230	1.29E-09	30YrCancerRi	1.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	55
56	ALL		734618	3836230	1.34E-09	30YrCancerRi	1.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	56
57	ALL		734293	3836255	8.43E-10	30YrCancerRi	8.43E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	57
58	ALL		734318	3836255	8.86E-10	30YrCancerRi	8.86E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	58
59	ALL		734343	3836255	9.30E-10	30YrCancerRi	9.30E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	59
60	ALL		734368	3836255	9.75E-10	30YrCancerRi	9.75E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	60
61	ALL		734393	3836255	1.02E-09	30YrCancerRi	1.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	61
62	ALL		734418	3836255	1.07E-09	30YrCancerRi	1.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	62
63	ALL		734443	3836255	1.12E-09	30YrCancerRi	1.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	63
64	ALL		734468	3836255	1.17E-09	30YrCancerRi	1.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	64
65	ALL		734493	3836255	1.22E-09	30YrCancerRi	1.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	65
66	ALL		734518	3836255	1.27E-09	30YrCancerRi	1.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	66
67	ALL		734543	3836255	1.32E-09	30YrCancerRi	1.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	67
68	ALL		734568	3836255	1.37E-09	30YrCancerRi	1.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	68
69	ALL		734593	3836255	1.42E-09	30YrCancerRi	1.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	69
70	ALL		734618	3836255	1.47E-09	30YrCancerRi	1.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	70
71	ALL		734293	3836280	8.77E-10	30YrCancerRi	8.77E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	71
72	ALL		734318	3836280	9.26E-10	30YrCancerRi	9.26E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	72
73	ALL		734343	3836280	9.77E-10	30YrCancerRi	9.77E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	73
74	ALL		734368	3836280	1.03E-09	30YrCancerRi	1.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	74
75	ALL		734393	3836280	1.08E-09	30YrCancerRi	1.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	75
76	ALL		734418	3836280	1.14E-09	30YrCancerRi	1.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	76
77	ALL		734443	3836280	1.20E-09	30YrCancerRi	1.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	77
78	ALL		734468	3836280	1.26E-09	30YrCancerRi	1.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	78
79	ALL		734493	3836280	1.32E-09	30YrCancerRi	1.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	79
80	ALL		734518	3836280	1.38E-09	30YrCancerRi	1.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	80
81	ALL		734543	3836280	1.44E-09	30YrCancerRi	1.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	81
82	ALL		734568	3836280	1.50E-09	30YrCancerRi	1.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	82
83	ALL		734593	3836280	1.55E-09	30YrCancerRi	1.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	83

1.7935E-08	**Residential Risk**
0.017935	
266	**Receptor**

***HARP - HRACalc v21081 10/7/2022 1:33:03 PM - Cancer Risk - Input File: C:\HARP2\Project Files\REDEYEKITE\hra\Residential Cancer RiskHRAInput.hra**

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_RISI	MMILK_RISK	WATER_RISK	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_RISI	EGG_RISK	
84	ALL		734618	3836280	1.61E-09	30YrCancerRi	1.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	84
85	ALL		734293	3836305	9.09E-10	30YrCancerRi	9.09E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	85
86	ALL		734318	3836305	9.64E-10	30YrCancerRi	9.64E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	86
87	ALL		734343	3836305	1.02E-09	30YrCancerRi	1.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	87
88	ALL		734368	3836305	1.08E-09	30YrCancerRi	1.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	88
89	ALL		734393	3836305	1.15E-09	30YrCancerRi	1.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	89
90	ALL		734418	3836305	1.21E-09	30YrCancerRi	1.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	90
91	ALL		734443	3836305	1.28E-09	30YrCancerRi	1.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	91
92	ALL		734468	3836305	1.36E-09	30YrCancerRi	1.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	92
93	ALL		734493	3836305	1.43E-09	30YrCancerRi	1.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	93
94	ALL		734518	3836305	1.50E-09	30YrCancerRi	1.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	94
95	ALL		734543	3836305	1.57E-09	30YrCancerRi	1.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	95
96	ALL		734568	3836305	1.64E-09	30YrCancerRi	1.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	96
97	ALL		734593	3836305	1.71E-09	30YrCancerRi	1.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	97
98	ALL		734618	3836305	1.78E-09	30YrCancerRi	1.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	98
99	ALL		734293	3836330	9.42E-10	30YrCancerRi	9.42E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	99
100	ALL		734318	3836330	1.00E-09	30YrCancerRi	1.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	100
101	ALL		734343	3836330	1.07E-09	30YrCancerRi	1.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	101
102	ALL		734368	3836330	1.14E-09	30YrCancerRi	1.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	102
103	ALL		734393	3836330	1.21E-09	30YrCancerRi	1.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	103
104	ALL		734418	3836330	1.29E-09	30YrCancerRi	1.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	104
105	ALL		734443	3836330	1.37E-09	30YrCancerRi	1.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	105
106	ALL		734468	3836330	1.46E-09	30YrCancerRi	1.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	106
107	ALL		734493	3836330	1.55E-09	30YrCancerRi	1.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	107
108	ALL		734518	3836330	1.64E-09	30YrCancerRi	1.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	108
109	ALL		734543	3836330	1.72E-09	30YrCancerRi	1.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	109
110	ALL		734568	3836330	1.81E-09	30YrCancerRi	1.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	110
111	ALL		734593	3836330	1.90E-09	30YrCancerRi	1.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	111
112	ALL		734618	3836330	2.00E-09	30YrCancerRi	2.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	112
113	ALL		734293	3836355	9.76E-10	30YrCancerRi	9.76E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	113
114	ALL		734318	3836355	1.04E-09	30YrCancerRi	1.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	114
115	ALL		734343	3836355	1.11E-09	30YrCancerRi	1.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	115
116	ALL		734368	3836355	1.19E-09	30YrCancerRi	1.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	116
117	ALL		734393	3836355	1.28E-09	30YrCancerRi	1.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	117
118	ALL		734418	3836355	1.37E-09	30YrCancerRi	1.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	118
119	ALL		734443	3836355	1.47E-09	30YrCancerRi	1.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	119
120	ALL		734468	3836355	1.57E-09	30YrCancerRi	1.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	120
121	ALL		734493	3836355	1.69E-09	30YrCancerRi	1.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	121
122	ALL		734518	3836355	1.80E-09	30YrCancerRi	1.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	122
123	ALL		734543	3836355	1.91E-09	30YrCancerRi	1.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	123
124	ALL		734568	3836355	2.03E-09	30YrCancerRi	2.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	124
125	ALL		734593	3836355	2.14E-09	30YrCancerRi	2.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	125
126	ALL		734618	3836355	2.27E-09	30YrCancerRi	2.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	126
127	ALL		734293	3836380	1.01E-09	30YrCancerRi	1.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	127
128	ALL		734318	3836380	1.08E-09	30YrCancerRi	1.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	128
129	ALL		734343	3836380	1.16E-09	30YrCancerRi	1.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	129
130	ALL		734368	3836380	1.25E-09	30YrCancerRi	1.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	130
131	ALL		734393	3836380	1.35E-09	30YrCancerRi	1.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	131
132	ALL		734418	3836380	1.46E-09	30YrCancerRi	1.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	132
133	ALL		734443	3836380	1.57E-09	30YrCancerRi	1.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	133
134	ALL		734468	3836380	1.70E-09	30YrCancerRi	1.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	134
135	ALL		734493	3836380	1.83E-09	30YrCancerRi	1.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	135
136	ALL		734518	3836380	1.98E-09	30YrCancerRi	1.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	136
137	ALL		734543	3836380	2.14E-09	30YrCancerRi	2.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	137
138	ALL		734568	3836380	2.29E-09	30YrCancerRi	2.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	138
139	ALL		734593	3836380	2.45E-09	30YrCancerRi	2.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	139
140	ALL		734618	3836380	2.61E-09	30YrCancerRi	2.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	140
141	ALL		734293	3836405	1.04E-09	30YrCancerRi	1.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	141
142	ALL		734318	3836405	1.12E-09	30YrCancerRi	1.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	142
143	ALL		734343	3836405	1.20E-09	30YrCancerRi	1.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	143
144	ALL		734368	3836405	1.30E-09	30YrCancerRi	1.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	144
145	ALL		734393	3836405	1.41E-09	30YrCancerRi	1.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	145
146	ALL		734418	3836405	1.53E-09	30YrCancerRi	1.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	146
147	ALL		734443	3836405	1.67E-09	30YrCancerRi	1.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	147
148	ALL		734468	3836405	1.83E-09	30YrCancerRi	1.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	148
149	ALL		734493	3836405	1.99E-09	30YrCancerRi	1.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	149
150	ALL		734518	3836405	2.18E-09	30YrCancerRi	2.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	150
151	ALL		734543	3836405	2.39E-09	30YrCancerRi	2.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	151
152	ALL		734568	3836405	2.61E-09	30YrCancerRi	2.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	152
153	ALL		734593	3836405	2.83E-09	30YrCancerRi	2.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	153
154	ALL		734618	3836405	3.05E-09	30YrCancerRi	3.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	154
155	ALL		734293	3836430	1.08E-09	30YrCancerRi	1.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	155
156	ALL		734318	3836430	1.16E-09	30YrCancerRi	1.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	156
157	ALL		734343	3836430	1.25E-09	30YrCancerRi	1.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	157
158	ALL		734368	3836430	1.35E-09	30YrCancerRi	1.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	158
159	ALL		734393	3836430	1.47E-09	30YrCancerRi	1.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	159
160	ALL		734418	3836430	1.61E-09	30YrCancerRi	1.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	160
161	ALL		734443	3836430	1.76E-09	30YrCancerRi	1.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	161
162	ALL		734468	3836430	1.95E-09	30YrCancerRi	1.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	162
163	ALL		734493	3836430	2.16E-09	30YrCancerRi	2.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	163
164	ALL		734518	3836430	2.40E-09	30YrCancerRi	2.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	164
165	ALL		734543	3836430	2.68E-09	30YrCancerRi	2.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	165
166	ALL		734568	3836430	2.99E-09	30YrCancerRi	2.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	166

***HARP - HRACalc v21081 10/7/2022 1:33:03 PM - Cancer Risk - Input File: C:\HARP2\Project Files\REDEYEKITE\hra\Residential Cancer RiskHRAInput.hra**

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_RISI	MMILK_RISK	WATER_RISK	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_RISI	EGG_RISK	
167	ALL		734593	3836430	3.31E-09	30YrCancerRi	3.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	167
168	ALL		734618	3836430	3.63E-09	30YrCancerRi	3.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	168
169	ALL		734293	3836455	1.11E-09	30YrCancerRi	1.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	169
170	ALL		734318	3836455	1.20E-09	30YrCancerRi	1.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	170
171	ALL		734343	3836455	1.30E-09	30YrCancerRi	1.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	171
172	ALL		734368	3836455	1.41E-09	30YrCancerRi	1.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	172
173	ALL		734393	3836455	1.54E-09	30YrCancerRi	1.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	173
174	ALL		734418	3836455	1.68E-09	30YrCancerRi	1.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	174
175	ALL		734443	3836455	1.86E-09	30YrCancerRi	1.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	175
176	ALL		734468	3836455	2.07E-09	30YrCancerRi	2.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	176
177	ALL		734493	3836455	2.32E-09	30YrCancerRi	2.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	177
178	ALL		734518	3836455	2.63E-09	30YrCancerRi	2.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	178
179	ALL		734543	3836455	3.00E-09	30YrCancerRi	3.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	179
180	ALL		734568	3836455	3.45E-09	30YrCancerRi	3.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	180
181	ALL		734593	3836455	3.94E-09	30YrCancerRi	3.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	181
182	ALL		734618	3836455	4.41E-09	30YrCancerRi	4.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	182
183	ALL		734293	3836480	1.15E-09	30YrCancerRi	1.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	183
184	ALL		734318	3836480	1.24E-09	30YrCancerRi	1.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	184
185	ALL		734343	3836480	1.34E-09	30YrCancerRi	1.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	185
186	ALL		734368	3836480	1.47E-09	30YrCancerRi	1.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	186
187	ALL		734393	3836480	1.61E-09	30YrCancerRi	1.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	187
188	ALL		734418	3836480	1.76E-09	30YrCancerRi	1.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	188
189	ALL		734443	3836480	1.95E-09	30YrCancerRi	1.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	189
190	ALL		734468	3836480	2.19E-09	30YrCancerRi	2.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	190
191	ALL		734493	3836480	2.48E-09	30YrCancerRi	2.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	191
192	ALL		734518	3836480	2.85E-09	30YrCancerRi	2.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	192
193	ALL		734543	3836480	3.33E-09	30YrCancerRi	3.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	193
194	ALL		734568	3836480	3.94E-09	30YrCancerRi	3.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	194
195	ALL		734593	3836480	4.68E-09	30YrCancerRi	4.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	195
196	ALL		734618	3836480	5.48E-09	30YrCancerRi	5.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	196
197	ALL		734293	3836505	1.18E-09	30YrCancerRi	1.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	197
198	ALL		734318	3836505	1.27E-09	30YrCancerRi	1.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	198
199	ALL		734343	3836505	1.39E-09	30YrCancerRi	1.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	199
200	ALL		734368	3836505	1.52E-09	30YrCancerRi	1.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	200
201	ALL		734393	3836505	1.67E-09	30YrCancerRi	1.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	201
202	ALL		734418	3836505	1.84E-09	30YrCancerRi	1.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	202
203	ALL		734443	3836505	2.06E-09	30YrCancerRi	2.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	203
204	ALL		734468	3836505	2.32E-09	30YrCancerRi	2.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	204
205	ALL		734493	3836505	2.65E-09	30YrCancerRi	2.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	205
206	ALL		734518	3836505	3.07E-09	30YrCancerRi	3.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	206
207	ALL		734543	3836505	3.65E-09	30YrCancerRi	3.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	207
208	ALL		734568	3836505	4.43E-09	30YrCancerRi	4.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	208
209	ALL		734593	3836505	5.48E-09	30YrCancerRi	5.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	209
210	ALL		734618	3836505	6.76E-09	30YrCancerRi	6.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	210
211	ALL		734293	3836530	1.20E-09	30YrCancerRi	1.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	211
212	ALL		734318	3836530	1.31E-09	30YrCancerRi	1.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	212
213	ALL		734343	3836530	1.42E-09	30YrCancerRi	1.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	213
214	ALL		734368	3836530	1.57E-09	30YrCancerRi	1.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	214
215	ALL		734393	3836530	1.73E-09	30YrCancerRi	1.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	215
216	ALL		734418	3836530	1.92E-09	30YrCancerRi	1.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	216
217	ALL		734443	3836530	2.16E-09	30YrCancerRi	2.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	217
218	ALL		734468	3836530	2.45E-09	30YrCancerRi	2.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	218
219	ALL		734493	3836530	2.83E-09	30YrCancerRi	2.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	219
220	ALL		734518	3836530	3.33E-09	30YrCancerRi	3.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	220
221	ALL		734543	3836530	4.01E-09	30YrCancerRi	4.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	221
222	ALL		734568	3836530	4.95E-09	30YrCancerRi	4.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	222
223	ALL		734593	3836530	6.28E-09	30YrCancerRi	6.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	223
224	ALL		734611.02	3836528.56	7.36E-09	30YrCancerRi	7.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	224
225	ALL		734293	3836555	1.23E-09	30YrCancerRi	1.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	225
226	ALL		734318	3836555	1.34E-09	30YrCancerRi	1.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	226
227	ALL		734343	3836555	1.46E-09	30YrCancerRi	1.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	227
228	ALL		734368	3836555	1.61E-09	30YrCancerRi	1.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	228
229	ALL		734393	3836555	1.79E-09	30YrCancerRi	1.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	229
230	ALL		734418	3836555	1.99E-09	30YrCancerRi	1.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	230
231	ALL		734443	3836555	2.26E-09	30YrCancerRi	2.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	231
232	ALL		734468	3836555	2.60E-09	30YrCancerRi	2.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	232
233	ALL		734493	3836555	3.04E-09	30YrCancerRi	3.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	233
234	ALL		734518	3836555	3.65E-09	30YrCancerRi	3.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	234
235	ALL		734543	3836555	4.50E-09	30YrCancerRi	4.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	235
236	ALL		734568	3836555	5.77E-09	30YrCancerRi	5.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	236
237	ALL		734593	3836555	7.67E-09	30YrCancerRi	7.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	237
238	ALL		734610.3	3836554.52	9.64E-09	30YrCancerRi	9.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	238
239	ALL		734293	3836580	1.26E-09	30YrCancerRi	1.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	239
240	ALL		734318	3836580	1.37E-09	30YrCancerRi	1.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	240
241	ALL		734343	3836580	1.50E-09	30YrCancerRi	1.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	241
242	ALL		734368	3836580	1.67E-09	30YrCancerRi	1.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	242
243	ALL		734393	3836580	1.87E-09	30YrCancerRi	1.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	243
244	ALL		734418	3836580	2.10E-09	30YrCancerRi	2.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	244
245	ALL		734443	3836580	2.41E-09	30YrCancerRi	2.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	245
246	ALL		734468	3836580	2.83E-09	30YrCancerRi	2.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	246
247	ALL		734493	3836580	3.40E-09	30YrCancerRi	3.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	247
248	ALL		734518	3836580	4.19E-09	30YrCancerRi	4.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	248
249	ALL		734543	3836580	5.39E-09	30YrCancerRi	5.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	249

***HARP - HRACalc v21081 10/7/2022 1:33:03 PM - Cancer Risk - Input File: C:\HARP2\Project Files\REDEYEKITE\hra\Residential Cancer RiskHRAInput.hra**

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_RISI	MMILK_RISK	WATER_RISK	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_RISI	EGG_RISK	
250	ALL		734568	3836580	7.44E-09	30YrCancerRi	7.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	250
251	ALL		734593	3836580	1.14E-08	30YrCancerRi	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	251
252	ALL		734610.3	3836580	1.65E-08	30YrCancerRi	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	252
253	ALL		734293	3836605	1.28E-09	30YrCancerRi	1.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	253
254	ALL		734318	3836605	1.41E-09	30YrCancerRi	1.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	254
255	ALL		734343	3836605	1.55E-09	30YrCancerRi	1.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	255
256	ALL		734368	3836605	1.73E-09	30YrCancerRi	1.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	256
257	ALL		734393	3836605	1.97E-09	30YrCancerRi	1.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	257
258	ALL		734418	3836605	2.24E-09	30YrCancerRi	2.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	258
259	ALL		734443	3836605	2.63E-09	30YrCancerRi	2.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	259
260	ALL		734468	3836605	3.15E-09	30YrCancerRi	3.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	260
261	ALL		734493	3836605	3.89E-09	30YrCancerRi	3.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	261
262	ALL		734518	3836605	4.99E-09	30YrCancerRi	4.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	262
263	ALL		734543	3836605	6.75E-09	30YrCancerRi	6.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	263
264	ALL		734568	3836605	9.64E-09	30YrCancerRi	9.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	264
265	ALL		734593	3836605	1.42E-08	30YrCancerRi	1.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	265
266	ALL		734609.57	3836605	1.79E-08	30YrCancerRi	1.79E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	266
267	ALL		734293	3836630	1.31E-09	30YrCancerRi	1.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	267
268	ALL		734318	3836630	1.45E-09	30YrCancerRi	1.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	268
269	ALL		734343	3836630	1.61E-09	30YrCancerRi	1.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	269
270	ALL		734368	3836630	1.83E-09	30YrCancerRi	1.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	270
271	ALL		734393	3836630	2.08E-09	30YrCancerRi	2.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	271
272	ALL		734418	3836630	2.42E-09	30YrCancerRi	2.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	272
273	ALL		734443	3836630	2.88E-09	30YrCancerRi	2.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	273
274	ALL		734468	3836630	3.54E-09	30YrCancerRi	3.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	274
275	ALL		734493	3836630	4.44E-09	30YrCancerRi	4.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	275
276	ALL		734518	3836630	5.77E-09	30YrCancerRi	5.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	276
277	ALL		734543	3836630	7.63E-09	30YrCancerRi	7.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	277
278	ALL		734568	3836630	1.01E-08	30YrCancerRi	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	278
279	ALL		734593	3836630	1.29E-08	30YrCancerRi	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	279
280	ALL		734609.33	3836629.52	1.43E-08	30YrCancerRi	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	280
281	ALL		734293	3836655	1.34E-09	30YrCancerRi	1.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	281
282	ALL		734318	3836655	1.49E-09	30YrCancerRi	1.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	282
283	ALL		734343	3836655	1.67E-09	30YrCancerRi	1.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	283
284	ALL		734368	3836655	1.91E-09	30YrCancerRi	1.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	284
285	ALL		734393	3836655	2.21E-09	30YrCancerRi	2.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	285
286	ALL		734418	3836655	2.59E-09	30YrCancerRi	2.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	286
287	ALL		734443	3836655	3.10E-09	30YrCancerRi	3.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	287
288	ALL		734468	3836655	3.80E-09	30YrCancerRi	3.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	288
289	ALL		734493	3836655	4.76E-09	30YrCancerRi	4.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	289
290	ALL		734518	3836655	6.01E-09	30YrCancerRi	6.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	290
291	ALL		734543	3836655	7.46E-09	30YrCancerRi	7.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	291
292	ALL		734568	3836655	9.04E-09	30YrCancerRi	9.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	292
293	ALL		734593	3836655	1.01E-08	30YrCancerRi	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	293
294	ALL		734608.61	3836654.76	1.04E-08	30YrCancerRi	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	294
295	ALL		734293	3836680	1.38E-09	30YrCancerRi	1.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	295
296	ALL		734318	3836680	1.53E-09	30YrCancerRi	1.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	296
297	ALL		734343	3836680	1.72E-09	30YrCancerRi	1.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	297
298	ALL		734368	3836680	1.97E-09	30YrCancerRi	1.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	298
299	ALL		734393	3836680	2.28E-09	30YrCancerRi	2.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	299
300	ALL		734418	3836680	2.69E-09	30YrCancerRi	2.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	300
301	ALL		734443	3836680	3.20E-09	30YrCancerRi	3.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	301
302	ALL		734468	3836680	3.91E-09	30YrCancerRi	3.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	302
303	ALL		734493	3836680	4.72E-09	30YrCancerRi	4.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	303
304	ALL		734518	3836680	5.67E-09	30YrCancerRi	5.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	304
305	ALL		734543	3836680	6.67E-09	30YrCancerRi	6.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	305
306	ALL		734568	3836680	7.47E-09	30YrCancerRi	7.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	306
307	ALL		734593	3836680	7.73E-09	30YrCancerRi	7.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	307
308	ALL		734293	3836705	1.40E-09	30YrCancerRi	1.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	308
309	ALL		734318	3836705	1.56E-09	30YrCancerRi	1.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	309
310	ALL		734343	3836705	1.75E-09	30YrCancerRi	1.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	310
311	ALL		734368	3836705	2.00E-09	30YrCancerRi	2.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	311
312	ALL		734393	3836705	2.32E-09	30YrCancerRi	2.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	312
313	ALL		734418	3836705	2.71E-09	30YrCancerRi	2.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	313
314	ALL		734443	3836705	3.20E-09	30YrCancerRi	3.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	314
315	ALL		734468	3836705	3.76E-09	30YrCancerRi	3.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	315
316	ALL		734493	3836705	4.43E-09	30YrCancerRi	4.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	316
317	ALL		734518	3836705	5.07E-09	30YrCancerRi	5.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	317
318	ALL		734543	3836705	5.69E-09	30YrCancerRi	5.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	318
319	ALL		734568	3836705	6.03E-09	30YrCancerRi	6.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	319
320	ALL		734593	3836705	6.04E-09	30YrCancerRi	6.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	320
321	ALL		734293	3836730	1.40E-09	30YrCancerRi	1.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	321
322	ALL		734318	3836730	1.56E-09	30YrCancerRi	1.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	322
323	ALL		734343	3836730	1.75E-09	30YrCancerRi	1.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	323
324	ALL		734368	3836730	2.00E-09	30YrCancerRi	2.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	324
325	ALL		734393	3836730	2.29E-09	30YrCancerRi	2.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	325
326	ALL		734418	3836730	2.64E-09	30YrCancerRi	2.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	326
327	ALL		734443	3836730	3.04E-09	30YrCancerRi	3.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	327
328	ALL		734468	3836730	3.50E-09	30YrCancerRi	3.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	328
329	ALL		734493	3836730	3.99E-09	30YrCancerRi	3.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	329
330	ALL		734518	3836730	4.42E-09	30YrCancerRi	4.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	330
331	ALL		734543	3836730	4.73E-09	30YrCancerRi	4.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	331
332	ALL		734568	3836730	4.84E-09	30YrCancerRi	4.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	332

***HARP - HRACalc v21081 10/7/2022 1:33:03 PM - Cancer Risk - Input File: C:\HARP2\Project Files\REDEYEKITE\hra\Residential Cancer RiskHRAInput.hra**

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_RISI	MMILK_RISK	WATER_RISK	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_RISI	EGG_RISK	
333	ALL		734593	3836730	4.83E-09	30YrCancerRi	4.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	333
334	ALL		734293	3836755	1.39E-09	30YrCancerRi	1.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	334
335	ALL		734318	3836755	1.55E-09	30YrCancerRi	1.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	335
336	ALL		734343	3836755	1.73E-09	30YrCancerRi	1.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	336
337	ALL		734368	3836755	1.96E-09	30YrCancerRi	1.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	337
338	ALL		734393	3836755	2.21E-09	30YrCancerRi	2.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	338
339	ALL		734418	3836755	2.49E-09	30YrCancerRi	2.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	339
340	ALL		734443	3836755	2.82E-09	30YrCancerRi	2.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	340
341	ALL		734468	3836755	3.18E-09	30YrCancerRi	3.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	341
342	ALL		734493	3836755	3.52E-09	30YrCancerRi	3.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	342
343	ALL		734518	3836755	3.76E-09	30YrCancerRi	3.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	343
344	ALL		734543	3836755	3.93E-09	30YrCancerRi	3.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	344
345	ALL		734568	3836755	3.99E-09	30YrCancerRi	3.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	345
346	ALL		734593	3836755	3.96E-09	30YrCancerRi	3.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	346
347	ALL		734293	3836780	1.38E-09	30YrCancerRi	1.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	347
348	ALL		734318	3836780	1.52E-09	30YrCancerRi	1.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	348
349	ALL		734343	3836780	1.68E-09	30YrCancerRi	1.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	349
350	ALL		734368	3836780	1.88E-09	30YrCancerRi	1.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	350
351	ALL		734393	3836780	2.10E-09	30YrCancerRi	2.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	351
352	ALL		734418	3836780	2.33E-09	30YrCancerRi	2.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	352
353	ALL		734443	3836780	2.59E-09	30YrCancerRi	2.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	353
354	ALL		734468	3836780	2.87E-09	30YrCancerRi	2.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	354
355	ALL		734493	3836780	3.08E-09	30YrCancerRi	3.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	355
356	ALL		734518	3836780	3.22E-09	30YrCancerRi	3.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	356
357	ALL		734543	3836780	3.31E-09	30YrCancerRi	3.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	357
358	ALL		734568	3836780	3.36E-09	30YrCancerRi	3.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	358
359	ALL		734593	3836780	3.34E-09	30YrCancerRi	3.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	359
360	ALL		734293	3836805	1.35E-09	30YrCancerRi	1.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	360
361	ALL		734318	3836805	1.48E-09	30YrCancerRi	1.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	361
362	ALL		734343	3836805	1.61E-09	30YrCancerRi	1.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	362
363	ALL		734368	3836805	1.78E-09	30YrCancerRi	1.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	363
364	ALL		734393	3836805	1.96E-09	30YrCancerRi	1.96E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	364
365	ALL		734418	3836805	2.15E-09	30YrCancerRi	2.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	365
366	ALL		734443	3836805	2.37E-09	30YrCancerRi	2.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	366
367	ALL		734468	3836805	2.55E-09	30YrCancerRi	2.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	367
368	ALL		734493	3836805	2.69E-09	30YrCancerRi	2.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	368
369	ALL		734518	3836805	2.78E-09	30YrCancerRi	2.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	369
370	ALL		734543	3836805	2.84E-09	30YrCancerRi	2.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	370
371	ALL		734568	3836805	2.88E-09	30YrCancerRi	2.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	371
372	ALL		734593	3836805	2.87E-09	30YrCancerRi	2.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	372
373	ALL		734293	3836830	1.31E-09	30YrCancerRi	1.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	373
374	ALL		734318	3836830	1.42E-09	30YrCancerRi	1.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	374
375	ALL		734343	3836830	1.54E-09	30YrCancerRi	1.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	375
376	ALL		734368	3836830	1.68E-09	30YrCancerRi	1.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	376
377	ALL		734393	3836830	1.83E-09	30YrCancerRi	1.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	377
378	ALL		734418	3836830	1.99E-09	30YrCancerRi	1.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	378
379	ALL		734443	3836830	2.14E-09	30YrCancerRi	2.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	379
380	ALL		734468	3836830	2.26E-09	30YrCancerRi	2.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	380
381	ALL		734493	3836830	2.35E-09	30YrCancerRi	2.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	381
382	ALL		734518	3836830	2.42E-09	30YrCancerRi	2.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	382
383	ALL		734543	3836830	2.48E-09	30YrCancerRi	2.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	383
384	ALL		734568	3836830	2.52E-09	30YrCancerRi	2.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	384
385	ALL		734593	3836830	2.50E-09	30YrCancerRi	2.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	385
386	ALL		734293	3836855	1.27E-09	30YrCancerRi	1.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	386
387	ALL		734318	3836855	1.37E-09	30YrCancerRi	1.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	387
388	ALL		734343	3836855	1.47E-09	30YrCancerRi	1.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	388
389	ALL		734368	3836855	1.59E-09	30YrCancerRi	1.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	389
390	ALL		734393	3836855	1.71E-09	30YrCancerRi	1.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	390
391	ALL		734418	3836855	1.83E-09	30YrCancerRi	1.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	391
392	ALL		734443	3836855	1.93E-09	30YrCancerRi	1.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	392
393	ALL		734468	3836855	2.02E-09	30YrCancerRi	2.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	393
394	ALL		734493	3836855	2.08E-09	30YrCancerRi	2.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	394
395	ALL		734518	3836855	2.14E-09	30YrCancerRi	2.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	395
396	ALL		734543	3836855	2.19E-09	30YrCancerRi	2.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	396
397	ALL		734568	3836855	2.23E-09	30YrCancerRi	2.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	397
398	ALL		734593	3836855	2.20E-09	30YrCancerRi	2.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	398

***HARP - HRACalc v21081 10/7/2022 1:34:02 PM - Chronic Risk - Input File: C:\HARP2\Project Files\REDEYEKITE\hra\Residential Chronic RiskHRAInput.hra**

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DEVE	RESP	SKIN	EYE	BONE/TEETH	ENDO	BLOOD	ODOR	GENERAL	MAXHI	
1	ALL		734293	3836155	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07	1
2	ALL		734318	3836155	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-07	2
3	ALL		734343	3836155	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	3
4	ALL		734368	3836155	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	4
5	ALL		734393	3836155	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	5
6	ALL		734418	3836155	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-07	6
7	ALL		734443	3836155	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-07	7
8	ALL		734468	3836155	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-07	8
9	ALL		734493	3836155	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-07	9
10	ALL		734518	3836155	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-07	10
11	ALL		734543	3836155	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-07	11
12	ALL		734568	3836155	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-07	12
13	ALL		734593	3836155	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-07	13
14	ALL		734618	3836155	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	14
15	ALL		734293	3836180	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-07	15
16	ALL		734318	3836180	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-07	16
17	ALL		734343	3836180	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-07	17
18	ALL		734368	3836180	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-07	18
19	ALL		734393	3836180	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-07	19
20	ALL		734418	3836180	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-07	20
21	ALL		734443	3836180	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	21
22	ALL		734468	3836180	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-07	22
23	ALL		734493	3836180	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-07	23
24	ALL		734518	3836180	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-07	24
25	ALL		734543	3836180	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-07	25
26	ALL		734568	3836180	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-07	26
27	ALL		734593	3836180	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-07	27
28	ALL		734618	3836180	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-07	28
29	ALL		734293	3836205	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-07	29
30	ALL		734318	3836205	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	30
31	ALL		734343	3836205	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-07	31
32	ALL		734368	3836205	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-07	32
33	ALL		734393	3836205	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	33
34	ALL		734418	3836205	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-07	34
35	ALL		734443	3836205	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-07	35
36	ALL		734468	3836205	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-07	36
37	ALL		734493	3836205	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-07	37
38	ALL		734518	3836205	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-07	38
39	ALL		734543	3836205	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-07	39
40	ALL		734568	3836205	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-07	40
41	ALL		734593	3836205	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-07	41
42	ALL		734618	3836205	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-07	42
43	ALL		734293	3836230	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-07	43
44	ALL		734318	3836230	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-07	44
45	ALL		734343	3836230	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-07	45
46	ALL		734368	3836230	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	46
47	ALL		734393	3836230	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-07	47
48	ALL		734418	3836230	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-07	48
49	ALL		734443	3836230	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-07	49
50	ALL		734468	3836230	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-07	50
51	ALL		734493	3836230	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-07	51
52	ALL		734518	3836230	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-07	52
53	ALL		734543	3836230	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-07	53
54	ALL		734568	3836230	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-07	54
55	ALL		734593	3836230	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-07	55
56	ALL		734618	3836230	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-07	56
57	ALL		734293	3836255	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-07	57
58	ALL		734318	3836255	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-07	58
59	ALL		734343	3836255	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-07	59
60	ALL		734368	3836255	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-07	60
61	ALL		734393	3836255	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-07	61
62	ALL		734418	3836255	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-07	62
63	ALL		734443	3836255	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-07	63
64	ALL		734468	3836255	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-07	64
65	ALL		734493	3836255	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-07	65
66	ALL		734518	3836255	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-07	66
67	ALL		734543	3836255	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-07	67
68	ALL		734568	3836255	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-07	68
69	ALL		734593	3836255	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-07	69
70	ALL		734618	3836255	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-07	70
71	ALL		734293	3836280	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-07	71
72	ALL		734318	3836280	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-07	72
73	ALL		734343	3836280	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-07	73
74	ALL		734368	3836280	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-07	74
75	ALL		734393	3836280	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-07	75
76	ALL		734418	3836280	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-07	76
77	ALL		734443	3836280	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-07	77
78	ALL		734468	3836280	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-07	78
79	ALL		734493	3836280	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-07	79
80	ALL		734518	3836280	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-07	80
81	ALL		734543	3836280	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-07	81
82	ALL		734568	3836280	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-07	82
83	ALL		734593	3836280	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-07	83

4.7249E-06 Residential Risk
266 Receptor

***HARP - HRACalc v21081 10/7/2022 1:34:02 PM - Chronic Risk - Input File: C:\HARP2\Project Files\REDEYEKITE\hra\Residential Chronic RiskHRAInput.hra**

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DEVE	RESP	SKIN	EYE	BONE/TEETH	ENDO	BLOOD	ODOR	GENERAL	MAXHI	
84	ALL		734618	3836280	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-07	84
85	ALL		734293	3836305	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-07	85
86	ALL		734318	3836305	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-07	86
87	ALL		734343	3836305	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-07	87
88	ALL		734368	3836305	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-07	88
89	ALL		734393	3836305	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-07	89
90	ALL		734418	3836305	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-07	90
91	ALL		734443	3836305	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-07	91
92	ALL		734468	3836305	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-07	92
93	ALL		734493	3836305	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-07	93
94	ALL		734518	3836305	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-07	94
95	ALL		734543	3836305	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-07	95
96	ALL		734568	3836305	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-07	96
97	ALL		734593	3836305	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-07	97
98	ALL		734618	3836305	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-07	98
99	ALL		734293	3836330	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-07	99
100	ALL		734318	3836330	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-07	100
101	ALL		734343	3836330	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-07	101
102	ALL		734368	3836330	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-07	102
103	ALL		734393	3836330	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-07	103
104	ALL		734418	3836330	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-07	104
105	ALL		734443	3836330	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-07	105
106	ALL		734468	3836330	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-07	106
107	ALL		734493	3836330	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-07	107
108	ALL		734518	3836330	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-07	108
109	ALL		734543	3836330	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-07	109
110	ALL		734568	3836330	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-07	110
111	ALL		734593	3836330	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-07	111
112	ALL		734618	3836330	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-07	112
113	ALL		734293	3836355	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-07	113
114	ALL		734318	3836355	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-07	114
115	ALL		734343	3836355	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-07	115
116	ALL		734368	3836355	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-07	116
117	ALL		734393	3836355	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-07	117
118	ALL		734418	3836355	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-07	118
119	ALL		734443	3836355	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-07	119
120	ALL		734468	3836355	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-07	120
121	ALL		734493	3836355	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-07	121
122	ALL		734518	3836355	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-07	122
123	ALL		734543	3836355	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-07	123
124	ALL		734568	3836355	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-07	124
125	ALL		734593	3836355	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-07	125
126	ALL		734618	3836355	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-07	126
127	ALL		734293	3836380	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-07	127
128	ALL		734318	3836380	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-07	128
129	ALL		734343	3836380	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-07	129
130	ALL		734368	3836380	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-07	130
131	ALL		734393	3836380	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-07	131
132	ALL		734418	3836380	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-07	132
133	ALL		734443	3836380	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-07	133
134	ALL		734468	3836380	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-07	134
135	ALL		734493	3836380	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-07	135
136	ALL		734518	3836380	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-07	136
137	ALL		734543	3836380	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-07	137
138	ALL		734568	3836380	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-07	138
139	ALL		734593	3836380	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-07	139
140	ALL		734618	3836380	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-07	140
141	ALL		734293	3836405	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-07	141
142	ALL		734318	3836405	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-07	142
143	ALL		734343	3836405	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-07	143
144	ALL		734368	3836405	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-07	144
145	ALL		734393	3836405	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-07	145
146	ALL		734418	3836405	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-07	146
147	ALL		734443	3836405	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-07	147
148	ALL		734468	3836405	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-07	148
149	ALL		734493	3836405	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-07	149
150	ALL		734518	3836405	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-07	150
151	ALL		734543	3836405	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-07	151
152	ALL		734568	3836405	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-07	152
153	ALL		734593	3836405	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-07	153
154	ALL		734618	3836405	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-07	154
155	ALL		734293	3836430	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-07	155
156	ALL		734318	3836430	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-07	156
157	ALL		734343	3836430	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-07	157
158	ALL		734368	3836430	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-07	158
159	ALL		734393	3836430	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-07	159
160	ALL		734418	3836430	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-07	160
161	ALL		734443	3836430	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-07	161
162	ALL		734468	3836430	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-07	162
163	ALL		734493	3836430	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-07	163
164	ALL		734518	3836430	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-07	164
165	ALL		734543	3836430	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-07	165
166	ALL		734568	3836430	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-07	166

***HARP - HRACalc v21081 10/7/2022 1:34:02 PM - Chronic Risk - Input File: C:\HARP2\Project Files\REDEYEKITE\hra\Residential Chronic RiskHRAInput.hra**

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DEVE	RESP	SKIN	EYE	BONE/TEETH	ENDO	BLOOD	ODOR	GENERAL	MAXHI	
167	ALL		734593	3836430	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-07	167
168	ALL		734618	3836430	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-07	168
169	ALL		734293	3836455	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-07	169
170	ALL		734318	3836455	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-07	170
171	ALL		734343	3836455	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-07	171
172	ALL		734368	3836455	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-07	172
173	ALL		734393	3836455	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-07	173
174	ALL		734418	3836455	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-07	174
175	ALL		734443	3836455	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-07	175
176	ALL		734468	3836455	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-07	176
177	ALL		734493	3836455	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-07	177
178	ALL		734518	3836455	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-07	178
179	ALL		734543	3836455	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-07	179
180	ALL		734568	3836455	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-07	180
181	ALL		734593	3836455	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-06	181
182	ALL		734618	3836455	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-06	182
183	ALL		734293	3836480	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-07	183
184	ALL		734318	3836480	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-07	184
185	ALL		734343	3836480	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-07	185
186	ALL		734368	3836480	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-07	186
187	ALL		734393	3836480	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-07	187
188	ALL		734418	3836480	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-07	188
189	ALL		734443	3836480	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-07	189
190	ALL		734468	3836480	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-07	190
191	ALL		734493	3836480	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-07	191
192	ALL		734518	3836480	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-07	192
193	ALL		734543	3836480	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-07	193
194	ALL		734568	3836480	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-06	194
195	ALL		734593	3836480	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-06	195
196	ALL		734618	3836480	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-06	196
197	ALL		734293	3836505	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-07	197
198	ALL		734318	3836505	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-07	198
199	ALL		734343	3836505	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-07	199
200	ALL		734368	3836505	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-07	200
201	ALL		734393	3836505	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-07	201
202	ALL		734418	3836505	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-07	202
203	ALL		734443	3836505	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-07	203
204	ALL		734468	3836505	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-07	204
205	ALL		734493	3836505	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-07	205
206	ALL		734518	3836505	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-07	206
207	ALL		734543	3836505	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-07	207
208	ALL		734568	3836505	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-06	208
209	ALL		734593	3836505	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-06	209
210	ALL		734618	3836505	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-06	210
211	ALL		734293	3836530	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-07	211
212	ALL		734318	3836530	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-07	212
213	ALL		734343	3836530	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-07	213
214	ALL		734368	3836530	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-07	214
215	ALL		734393	3836530	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-07	215
216	ALL		734418	3836530	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-07	216
217	ALL		734443	3836530	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-07	217
218	ALL		734468	3836530	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-07	218
219	ALL		734493	3836530	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-07	219
220	ALL		734518	3836530	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-07	220
221	ALL		734543	3836530	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-06	221
222	ALL		734568	3836530	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-06	222
223	ALL		734593	3836530	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-06	223
224	ALL		734611.02	3836528.56	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-06	224
225	ALL		734293	3836555	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-07	225
226	ALL		734318	3836555	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-07	226
227	ALL		734343	3836555	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-07	227
228	ALL		734368	3836555	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-07	228
229	ALL		734393	3836555	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-07	229
230	ALL		734418	3836555	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-07	230
231	ALL		734443	3836555	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-07	231
232	ALL		734468	3836555	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-07	232
233	ALL		734493	3836555	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-07	233
234	ALL		734518	3836555	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-07	234
235	ALL		734543	3836555	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-06	235
236	ALL		734568	3836555	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-06	236
237	ALL		734593	3836555	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-06	237
238	ALL		734610.3	3836554.52	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-06	238
239	ALL		734293	3836580	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-07	239
240	ALL		734318	3836580	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-07	240
241	ALL		734343	3836580	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-07	241
242	ALL		734368	3836580	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-07	242
243	ALL		734393	3836580	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-07	243
244	ALL		734418	3836580	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-07	244
245	ALL		734443	3836580	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-07	245
246	ALL		734468	3836580	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-07	246
247	ALL		734493	3836580	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-07	247
248	ALL		734518	3836580	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-06	248
249	ALL		734543	3836580	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-06	249

***HARP - HRACalc v21081 10/7/2022 1:34:02 PM - Chronic Risk - Input File: C:\HARP2\Project Files\REDEYEKITE\hra\Residential Chronic RiskHRAInput.hra**

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DEVE	RESP	SKIN	EYE	BONE/TEETH	ENDO	BLOOD	ODOR	GENERAL	MAXHI	
250	ALL		734568	3836580	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-06	250
251	ALL		734593	3836580	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-06	251
252	ALL		734610.3	3836580	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-06	252
253	ALL		734293	3836605	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-07	253
254	ALL		734318	3836605	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-07	254
255	ALL		734343	3836605	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-07	255
256	ALL		734368	3836605	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-07	256
257	ALL		734393	3836605	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-07	257
258	ALL		734418	3836605	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-07	258
259	ALL		734443	3836605	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-07	259
260	ALL		734468	3836605	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-07	260
261	ALL		734493	3836605	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-06	261
262	ALL		734518	3836605	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-06	262
263	ALL		734543	3836605	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-06	263
264	ALL		734568	3836605	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-06	264
265	ALL		734593	3836605	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-06	265
266	ALL		734609.57	3836605	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-06	266
267	ALL		734293	3836630	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-07	267
268	ALL		734318	3836630	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-07	268
269	ALL		734343	3836630	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-07	269
270	ALL		734368	3836630	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-07	270
271	ALL		734393	3836630	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-07	271
272	ALL		734418	3836630	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-07	272
273	ALL		734443	3836630	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-07	273
274	ALL		734468	3836630	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-07	274
275	ALL		734493	3836630	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-06	275
276	ALL		734518	3836630	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-06	276
277	ALL		734543	3836630	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-06	277
278	ALL		734568	3836630	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-06	278
279	ALL		734593	3836630	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-06	279
280	ALL		734609.33	3836629.52	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-06	280
281	ALL		734293	3836655	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-07	281
282	ALL		734318	3836655	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-07	282
283	ALL		734343	3836655	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-07	283
284	ALL		734368	3836655	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-07	284
285	ALL		734393	3836655	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-07	285
286	ALL		734418	3836655	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-07	286
287	ALL		734443	3836655	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-07	287
288	ALL		734468	3836655	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-06	288
289	ALL		734493	3836655	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-06	289
290	ALL		734518	3836655	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-06	290
291	ALL		734543	3836655	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-06	291
292	ALL		734568	3836655	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-06	292
293	ALL		734593	3836655	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-06	293
294	ALL		734608.61	3836654.76	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-06	294
295	ALL		734293	3836680	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-07	295
296	ALL		734318	3836680	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-07	296
297	ALL		734343	3836680	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-07	297
298	ALL		734368	3836680	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-07	298
299	ALL		734393	3836680	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-07	299
300	ALL		734418	3836680	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-07	300
301	ALL		734443	3836680	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-07	301
302	ALL		734468	3836680	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-06	302
303	ALL		734493	3836680	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-06	303
304	ALL		734518	3836680	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-06	304
305	ALL		734543	3836680	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-06	305
306	ALL		734568	3836680	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-06	306
307	ALL		734593	3836680	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-06	307
308	ALL		734293	3836705	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-07	308
309	ALL		734318	3836705	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-07	309
310	ALL		734343	3836705	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-07	310
311	ALL		734368	3836705	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	311
312	ALL		734393	3836705	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-07	312
313	ALL		734418	3836705	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-07	313
314	ALL		734443	3836705	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-07	314
315	ALL		734468	3836705	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-07	315
316	ALL		734493	3836705	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-06	316
317	ALL		734518	3836705	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-06	317
318	ALL		734543	3836705	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-06	318
319	ALL		734568	3836705	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-06	319
320	ALL		734593	3836705	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-06	320
321	ALL		734293	3836730	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-07	321
322	ALL		734318	3836730	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-07	322
323	ALL		734343	3836730	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-07	323
324	ALL		734368	3836730	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-07	324
325	ALL		734393	3836730	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-07	325
326	ALL		734418	3836730	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-07	326
327	ALL		734443	3836730	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-07	327
328	ALL		734468	3836730	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-07	328
329	ALL		734493	3836730	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-06	329
330	ALL		734518	3836730	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-06	330
331	ALL		734543	3836730	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-06	331
332	ALL		734568	3836730	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-06	332

***HARP - HRACalc v21081 10/7/2022 1:34:02 PM - Chronic Risk - Input File: C:\HARP2\Project Files\REDEYEKITE\hra\Residential Chronic RiskHRAInput.hra**

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DEVE	RESP	SKIN	EYE	BONE/TEETH	ENDO	BLOOD	ODOR	GENERAL	MAXHI	
333	ALL		734593	3836730	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-06	333
334	ALL		734293	3836755	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-07	334
335	ALL		734318	3836755	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-07	335
336	ALL		734343	3836755	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-07	336
337	ALL		734368	3836755	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-07	337
338	ALL		734393	3836755	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-07	338
339	ALL		734418	3836755	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-07	339
340	ALL		734443	3836755	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-07	340
341	ALL		734468	3836755	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-07	341
342	ALL		734493	3836755	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-07	342
343	ALL		734518	3836755	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-07	343
344	ALL		734543	3836755	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-06	344
345	ALL		734568	3836755	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-06	345
346	ALL		734593	3836755	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-06	346
347	ALL		734293	3836780	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-07	347
348	ALL		734318	3836780	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-07	348
349	ALL		734343	3836780	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-07	349
350	ALL		734368	3836780	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-07	350
351	ALL		734393	3836780	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-07	351
352	ALL		734418	3836780	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-07	352
353	ALL		734443	3836780	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-07	353
354	ALL		734468	3836780	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-07	354
355	ALL		734493	3836780	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-07	355
356	ALL		734518	3836780	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-07	356
357	ALL		734543	3836780	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-07	357
358	ALL		734568	3836780	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-07	358
359	ALL		734593	3836780	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-07	359
360	ALL		734293	3836805	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-07	360
361	ALL		734318	3836805	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-07	361
362	ALL		734343	3836805	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-07	362
363	ALL		734368	3836805	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-07	363
364	ALL		734393	3836805	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-07	364
365	ALL		734418	3836805	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-07	365
366	ALL		734443	3836805	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-07	366
367	ALL		734468	3836805	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-07	367
368	ALL		734493	3836805	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-07	368
369	ALL		734518	3836805	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-07	369
370	ALL		734543	3836805	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-07	370
371	ALL		734568	3836805	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-07	371
372	ALL		734593	3836805	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-07	372
373	ALL		734293	3836830	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-07	373
374	ALL		734318	3836830	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-07	374
375	ALL		734343	3836830	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-07	375
376	ALL		734368	3836830	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-07	376
377	ALL		734393	3836830	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-07	377
378	ALL		734418	3836830	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-07	378
379	ALL		734443	3836830	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-07	379
380	ALL		734468	3836830	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-07	380
381	ALL		734493	3836830	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-07	381
382	ALL		734518	3836830	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-07	382
383	ALL		734543	3836830	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-07	383
384	ALL		734568	3836830	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-07	384
385	ALL		734593	3836830	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-07	385
386	ALL		734293	3836855	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-07	386
387	ALL		734318	3836855	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-07	387
388	ALL		734343	3836855	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-07	388
389	ALL		734368	3836855	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-07	389
390	ALL		734393	3836855	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-07	390
391	ALL		734418	3836855	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-07	391
392	ALL		734443	3836855	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-07	392
393	ALL		734468	3836855	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-07	393
394	ALL		734493	3836855	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-07	394
395	ALL		734518	3836855	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-07	395
396	ALL		734543	3836855	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-07	396
397	ALL		734568	3836855	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-07	397
398	ALL		734593	3836855	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-07	398

*HARP - HRACalc v21081 10/7/2022 1:36:18 PM - Cancer Risk - Input File: C:\HARP2\Project Files\REDEYEKITE\hra\Worker Cancer RiskHRAInput.hra

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_RISI	MMILK_RISK	WATER_RISK	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_RISI	EGG_RISK		
399	ALL		734633	3836153	8.59E-11	25YrCancerDe	8.59E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	399	
400	ALL		734658	3836153	8.78E-11	25YrCancerDe	8.78E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	400	
401	ALL		734683	3836153	8.76E-11	25YrCancerDe	8.76E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	401	
402	ALL		734708	3836153	8.86E-11	25YrCancerDe	8.86E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	402	
403	ALL		734733	3836153	9.16E-11	25YrCancerDe	9.16E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	403	
404	ALL		734758	3836153	9.29E-11	25YrCancerDe	9.29E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	404	
405	ALL		734783	3836153	9.39E-11	25YrCancerDe	9.39E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	405	
406	ALL		734808	3836153	9.44E-11	25YrCancerDe	9.44E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	406	
407	ALL		734833	3836153	9.24E-11	25YrCancerDe	9.24E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	407	
408	ALL		734858	3836153	9.14E-11	25YrCancerDe	9.14E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	408	
409	ALL		734633	3836178	9.32E-11	25YrCancerDe	9.32E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	409	
410	ALL		734658	3836178	9.50E-11	25YrCancerDe	9.50E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	410	
411	ALL		734683	3836178	9.51E-11	25YrCancerDe	9.51E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	411	
412	ALL		734708	3836178	9.67E-11	25YrCancerDe	9.67E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	412	
413	ALL		734733	3836178	1.00E-10	25YrCancerDe	1.00E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	413	
414	ALL		734758	3836178	1.02E-10	25YrCancerDe	1.02E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	414	
415	ALL		734783	3836178	1.02E-10	25YrCancerDe	1.02E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	415	
416	ALL		734808	3836178	1.02E-10	25YrCancerDe	1.02E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	416	
417	ALL		734833	3836178	1.01E-10	25YrCancerDe	1.01E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	417	
418	ALL		734858	3836178	1.01E-10	25YrCancerDe	1.01E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	418	
419	ALL		734883	3836178	1.02E-10	25YrCancerDe	1.02E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	419	
420	ALL		734633	3836203	1.01E-10	25YrCancerDe	1.01E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	420	
421	ALL		734658	3836203	1.03E-10	25YrCancerDe	1.03E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	421	
422	ALL		734683	3836203	1.04E-10	25YrCancerDe	1.04E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	422	
423	ALL		734708	3836203	1.06E-10	25YrCancerDe	1.06E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	423	
424	ALL		734733	3836203	1.10E-10	25YrCancerDe	1.10E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	424	
425	ALL		734758	3836203	1.11E-10	25YrCancerDe	1.11E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	425	
426	ALL		734783	3836203	1.11E-10	25YrCancerDe	1.11E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	426	
427	ALL		734808	3836203	1.12E-10	25YrCancerDe	1.12E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	427	
428	ALL		734833	3836203	1.12E-10	25YrCancerDe	1.12E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	428	
429	ALL		734858	3836203	1.13E-10	25YrCancerDe	1.13E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	429	
430	ALL		734883	3836203	1.15E-10	25YrCancerDe	1.15E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	430	
431	ALL		734908	3836203	1.16E-10	25YrCancerDe	1.16E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	431	
432	ALL		734633	3836228	1.11E-10	25YrCancerDe	1.11E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	432	
433	ALL		734658	3836228	1.13E-10	25YrCancerDe	1.13E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	433	
434	ALL		734683	3836228	1.15E-10	25YrCancerDe	1.15E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	434	
435	ALL		734708	3836228	1.18E-10	25YrCancerDe	1.18E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	435	
436	ALL		734733	3836228	1.21E-10	25YrCancerDe	1.21E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	436	
437	ALL		734758	3836228	1.22E-10	25YrCancerDe	1.22E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	437	
438	ALL		734783	3836228	1.23E-10	25YrCancerDe	1.23E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	438	
439	ALL		734808	3836228	1.24E-10	25YrCancerDe	1.24E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	439	
440	ALL		734833	3836228	1.25E-10	25YrCancerDe	1.25E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	440	
441	ALL		734858	3836228	1.27E-10	25YrCancerDe	1.27E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	441	
442	ALL		734883	3836228	1.29E-10	25YrCancerDe	1.29E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	442	
443	ALL		734908	3836228	1.32E-10	25YrCancerDe	1.32E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	443	
444	ALL		734933	3836228	1.36E-10	25YrCancerDe	1.36E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	444	
445	ALL		734633	3836253	1.22E-10	25YrCancerDe	1.22E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	445	
446	ALL		734658	3836253	1.26E-10	25YrCancerDe	1.26E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	446	
447	ALL		734683	3836253	1.29E-10	25YrCancerDe	1.29E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	447	
448	ALL		734708	3836253	1.32E-10	25YrCancerDe	1.32E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	448	
449	ALL		734733	3836253	1.36E-10	25YrCancerDe	1.36E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	449	
450	ALL		734758	3836253	1.37E-10	25YrCancerDe	1.37E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	450	
451	ALL		734783	3836253	1.38E-10	25YrCancerDe	1.38E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	451	
452	ALL		734808	3836253	1.40E-10	25YrCancerDe	1.40E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	452	
453	ALL		734833	3836253	1.42E-10	25YrCancerDe	1.42E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	453	
454	ALL		734858	3836253	1.45E-10	25YrCancerDe	1.45E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	454	
455	ALL		734883	3836253	1.48E-10	25YrCancerDe	1.48E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	455	
456	ALL		734908	3836253	1.53E-10	25YrCancerDe	1.53E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	456	
457	ALL		734933	3836253	1.59E-10	25YrCancerDe	1.59E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	457	
458	ALL		734958	3836253	1.65E-10	25YrCancerDe	1.65E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	458	
459	ALL		734633	3836278	1.34E-10	25YrCancerDe	1.34E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	459	
460	ALL		734658	3836278	1.40E-10	25YrCancerDe	1.40E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	460	
461	ALL		734683	3836278	1.46E-10	25YrCancerDe	1.46E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	461	
462	ALL		734708	3836278	1.51E-10	25YrCancerDe	1.51E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	462	
463	ALL		734733	3836278	1.55E-10	25YrCancerDe	1.55E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	463	
464	ALL		734758	3836278	1.57E-10	25YrCancerDe	1.57E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	464	
465	ALL		734783	3836278	1.60E-10	25YrCancerDe	1.60E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	465	
466	ALL		734808	3836278	1.63E-10	25YrCancerDe	1.63E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	466	
467	ALL		734833	3836278	1.66E-10	25YrCancerDe	1.66E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	467	
468	ALL		734858	3836278	1.70E-10	25YrCancerDe	1.70E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	468	
469	ALL		734883	3836278	1.75E-10	25YrCancerDe	1.75E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	469	
470	ALL		734908	3836278	1.83E-10	25YrCancerDe	1.83E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	470	
471	ALL		734933	3836278	1.90E-10	25YrCancerDe	1.90E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	471	
472	ALL		734958	3836278	1.98E-10	25YrCancerDe	1.98E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	472	
473	ALL		734633	3836303	1.48E-10	25YrCancerDe	1.48E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	473	
474	ALL		734658	3836303	1.56E-10	25YrCancerDe	1.56E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	474	
475	ALL		734683	3836303	1.65E-10	25YrCancerDe	1.65E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	475	
476	ALL		734708	3836303	1.74E-10	25YrCancerDe	1.74E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	476	

7.7678E-09	**Residential Risk**
0.0077678	
613	**Receptor**

*HARP - HRACalc v21081 10/7/2022 1:36:18 PM - Cancer Risk - Input File: C:\HARP2\Project Files\REDEYEKITE\hra\Worker Cancer RiskHRAInput.hra

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_RISI	MMILK_RISK	WATER_RISK	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_RISI	EGG_RISK	
477	ALL		734733	3836303	1.83E-10	25YrCancerDe	1.83E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	477
478	ALL		734758	3836303	1.87E-10	25YrCancerDe	1.87E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	478
479	ALL		734783	3836303	1.91E-10	25YrCancerDe	1.91E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	479
480	ALL		734808	3836303	1.95E-10	25YrCancerDe	1.95E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	480
481	ALL		734833	3836303	2.00E-10	25YrCancerDe	2.00E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	481
482	ALL		734858	3836303	2.06E-10	25YrCancerDe	2.06E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	482
483	ALL		734883	3836303	2.15E-10	25YrCancerDe	2.15E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	483
484	ALL		734908	3836303	2.26E-10	25YrCancerDe	2.26E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	484
485	ALL		734933	3836303	2.35E-10	25YrCancerDe	2.35E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	485
486	ALL		734958	3836303	2.44E-10	25YrCancerDe	2.44E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	486
487	ALL		734633	3836328	1.67E-10	25YrCancerDe	1.67E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	487
488	ALL		734658	3836328	1.78E-10	25YrCancerDe	1.78E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	488
489	ALL		734683	3836328	1.90E-10	25YrCancerDe	1.90E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	489
490	ALL		734708	3836328	2.04E-10	25YrCancerDe	2.04E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	490
491	ALL		734733	3836328	2.17E-10	25YrCancerDe	2.17E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	491
492	ALL		734758	3836328	2.27E-10	25YrCancerDe	2.27E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	492
493	ALL		734783	3836328	2.33E-10	25YrCancerDe	2.33E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	493
494	ALL		734808	3836328	2.40E-10	25YrCancerDe	2.40E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	494
495	ALL		734833	3836328	2.49E-10	25YrCancerDe	2.49E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	495
496	ALL		734858	3836328	2.60E-10	25YrCancerDe	2.60E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	496
497	ALL		734883	3836328	2.75E-10	25YrCancerDe	2.75E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	497
498	ALL		734908	3836328	2.90E-10	25YrCancerDe	2.90E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	498
499	ALL		734933	3836328	3.01E-10	25YrCancerDe	3.01E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	499
500	ALL		734958	3836328	3.08E-10	25YrCancerDe	3.08E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	500
501	ALL		734633	3836353	1.90E-10	25YrCancerDe	1.90E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	501
502	ALL		734658	3836353	2.05E-10	25YrCancerDe	2.05E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	502
503	ALL		734683	3836353	2.23E-10	25YrCancerDe	2.23E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	503
504	ALL		734708	3836353	2.42E-10	25YrCancerDe	2.42E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	504
505	ALL		734733	3836353	2.61E-10	25YrCancerDe	2.61E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	505
506	ALL		734758	3836353	2.74E-10	25YrCancerDe	2.74E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	506
507	ALL		734783	3836353	2.86E-10	25YrCancerDe	2.86E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	507
508	ALL		734808	3836353	2.99E-10	25YrCancerDe	2.99E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	508
509	ALL		734833	3836353	3.19E-10	25YrCancerDe	3.19E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	509
510	ALL		734858	3836353	3.43E-10	25YrCancerDe	3.43E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	510
511	ALL		734883	3836353	3.66E-10	25YrCancerDe	3.66E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	511
512	ALL		734908	3836353	3.84E-10	25YrCancerDe	3.84E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	512
513	ALL		734933	3836353	3.94E-10	25YrCancerDe	3.94E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	513
514	ALL		734958	3836353	3.98E-10	25YrCancerDe	3.98E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	514
515	ALL		734633	3836378	2.20E-10	25YrCancerDe	2.20E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	515
516	ALL		734658	3836378	2.40E-10	25YrCancerDe	2.40E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	516
517	ALL		734683	3836378	2.67E-10	25YrCancerDe	2.67E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	517
518	ALL		734708	3836378	2.96E-10	25YrCancerDe	2.96E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	518
519	ALL		734733	3836378	3.22E-10	25YrCancerDe	3.22E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	519
520	ALL		734758	3836378	3.42E-10	25YrCancerDe	3.42E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	520
521	ALL		734783	3836378	3.64E-10	25YrCancerDe	3.64E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	521
522	ALL		734808	3836378	3.96E-10	25YrCancerDe	3.96E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	522
523	ALL		734833	3836378	4.37E-10	25YrCancerDe	4.37E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	523
524	ALL		734858	3836378	4.77E-10	25YrCancerDe	4.77E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	524
525	ALL		734883	3836378	5.07E-10	25YrCancerDe	5.07E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	525
526	ALL		734908	3836378	5.24E-10	25YrCancerDe	5.24E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	526
527	ALL		734933	3836378	5.28E-10	25YrCancerDe	5.28E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	527
528	ALL		734958	3836378	5.20E-10	25YrCancerDe	5.20E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	528
529	ALL		734633	3836403	2.58E-10	25YrCancerDe	2.58E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	529
530	ALL		734658	3836403	2.87E-10	25YrCancerDe	2.87E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	530
531	ALL		734683	3836403	3.28E-10	25YrCancerDe	3.28E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	531
532	ALL		734708	3836403	3.72E-10	25YrCancerDe	3.72E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	532
533	ALL		734733	3836403	4.09E-10	25YrCancerDe	4.09E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	533
534	ALL		734758	3836403	4.46E-10	25YrCancerDe	4.46E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	534
535	ALL		734783	3836403	5.02E-10	25YrCancerDe	5.02E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	535
536	ALL		734808	3836403	5.75E-10	25YrCancerDe	5.75E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	536
537	ALL		734833	3836403	6.48E-10	25YrCancerDe	6.48E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	537
538	ALL		734858	3836403	7.01E-10	25YrCancerDe	7.01E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	538
539	ALL		734883	3836403	7.28E-10	25YrCancerDe	7.28E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	539
540	ALL		734908	3836403	7.30E-10	25YrCancerDe	7.30E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	540
541	ALL		734933	3836403	7.10E-10	25YrCancerDe	7.10E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	541
542	ALL		734958	3836403	6.76E-10	25YrCancerDe	6.76E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	542
543	ALL		734633	3836428	3.09E-10	25YrCancerDe	3.09E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	543
544	ALL		734658	3836428	3.51E-10	25YrCancerDe	3.51E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	544
545	ALL		734683	3836428	4.13E-10	25YrCancerDe	4.13E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	545
546	ALL		734708	3836428	4.77E-10	25YrCancerDe	4.77E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	546
547	ALL		734733	3836428	5.39E-10	25YrCancerDe	5.39E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	547
548	ALL		734758	3836428	6.38E-10	25YrCancerDe	6.38E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	548
549	ALL		734783	3836428	7.82E-10	25YrCancerDe	7.82E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	549
550	ALL		734808	3836428	9.28E-10	25YrCancerDe	9.28E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	550
551	ALL		734833	3836428	1.03E-09	25YrCancerDe	1.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	551
552	ALL		734858	3836428	1.07E-09	25YrCancerDe	1.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	552
553	ALL		734883	3836428	1.06E-09	25YrCancerDe	1.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	553
554	ALL		734908	3836428	1.01E-09	25YrCancerDe	1.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	554

*HARP - HRACalc v21081 10/7/2022 1:36:18 PM - Cancer Risk - Input File: C:\HARP2\Project Files\REDEYEKITE\hra\Worker Cancer RiskHRAInput.hra

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_RISI	MMILK_RISK	WATER_RISK	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_RISI	EGG_RISK	
555	ALL		734933	3836428	9.39E-10	25YrCancerDe	9.39E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	555
556	ALL		734958	3836428	8.62E-10	25YrCancerDe	8.62E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	556
557	ALL		734633	3836453	3.77E-10	25YrCancerDe	3.77E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	557
558	ALL		734658	3836453	4.36E-10	25YrCancerDe	4.36E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	558
559	ALL		734683	3836453	5.28E-10	25YrCancerDe	5.28E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	559
560	ALL		734708	3836453	6.25E-10	25YrCancerDe	6.25E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	560
561	ALL		734733	3836453	7.77E-10	25YrCancerDe	7.77E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	561
562	ALL		734758	3836453	1.07E-09	25YrCancerDe	1.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	562
563	ALL		734783	3836453	1.40E-09	25YrCancerDe	1.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	563
564	ALL		734808	3836453	1.61E-09	25YrCancerDe	1.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	564
565	ALL		734833	3836453	1.67E-09	25YrCancerDe	1.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	565
566	ALL		734858	3836453	1.62E-09	25YrCancerDe	1.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	566
567	ALL		734883	3836453	1.50E-09	25YrCancerDe	1.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	567
568	ALL		734908	3836453	1.36E-09	25YrCancerDe	1.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	568
569	ALL		734933	3836453	1.22E-09	25YrCancerDe	1.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	569
570	ALL		734958	3836453	1.08E-09	25YrCancerDe	1.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	570
571	ALL		734633	3836478	4.74E-10	25YrCancerDe	4.74E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	571
572	ALL		734658	3836478	5.39E-10	25YrCancerDe	5.39E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	572
573	ALL		734683	3836478	6.56E-10	25YrCancerDe	6.56E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	573
574	ALL		734708	3836478	8.30E-10	25YrCancerDe	8.30E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	574
575	ALL		734733	3836478	1.35E-09	25YrCancerDe	1.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	575
576	ALL		734758	3836478	2.14E-09	25YrCancerDe	2.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	576
577	ALL		734783	3836478	2.65E-09	25YrCancerDe	2.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	577
578	ALL		734808	3836478	2.77E-09	25YrCancerDe	2.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	578
579	ALL		734833	3836478	2.63E-09	25YrCancerDe	2.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	579
580	ALL		734858	3836478	2.36E-09	25YrCancerDe	2.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	580
581	ALL		734883	3836478	2.06E-09	25YrCancerDe	2.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	581
582	ALL		734908	3836478	1.78E-09	25YrCancerDe	1.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	582
583	ALL		734933	3836478	1.53E-09	25YrCancerDe	1.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	583
584	ALL		734958	3836478	1.32E-09	25YrCancerDe	1.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	584
585	ALL		734633	3836503	5.93E-10	25YrCancerDe	5.93E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	585
586	ALL		734658	3836503	6.06E-10	25YrCancerDe	6.06E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	586
587	ALL		734683	3836503	6.84E-10	25YrCancerDe	6.84E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	587
588	ALL		734708	3836503	1.21E-09	25YrCancerDe	1.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	588
589	ALL		734733	3836503	2.80E-09	25YrCancerDe	2.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	589
590	ALL		734758	3836503	4.31E-09	25YrCancerDe	4.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	590
591	ALL		734783	3836503	4.72E-09	25YrCancerDe	4.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	591
592	ALL		734808	3836503	4.42E-09	25YrCancerDe	4.42E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	592
593	ALL		734833	3836503	3.84E-09	25YrCancerDe	3.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	593
594	ALL		734858	3836503	3.22E-09	25YrCancerDe	3.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	594
595	ALL		734883	3836503	2.67E-09	25YrCancerDe	2.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	595
596	ALL		734908	3836503	2.21E-09	25YrCancerDe	2.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	596
597	ALL		734933	3836503	1.83E-09	25YrCancerDe	1.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	597
598	ALL		734958	3836503	1.53E-09	25YrCancerDe	1.53E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	598
599	ALL		734633	3836528	7.39E-10	25YrCancerDe	7.39E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	599
600	ALL		734658	3836528	6.91E-10	25YrCancerDe	6.91E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	600
601	ALL		734683	3836528	7.79E-10	25YrCancerDe	7.79E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	601
602	ALL		734708	3836528	2.15E-09	25YrCancerDe	2.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	602
603	ALL		734733	3836528	5.66E-09	25YrCancerDe	5.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	603
604	ALL		734758	3836528	7.22E-09	25YrCancerDe	7.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	604
605	ALL		734783	3836528	6.95E-09	25YrCancerDe	6.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	605
606	ALL		734808	3836528	5.92E-09	25YrCancerDe	5.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	606
607	ALL		734833	3836528	4.80E-09	25YrCancerDe	4.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	607
608	ALL		734633	3836553	1.50E-09	25YrCancerDe	1.50E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	608
609	ALL		734658	3836553	2.12E-09	25YrCancerDe	2.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	609
610	ALL		734683	3836553	1.29E-09	25YrCancerDe	1.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	610
611	ALL		734708	3836553	2.16E-09	25YrCancerDe	2.16E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	611
612	ALL		734733	3836553	6.60E-09	25YrCancerDe	6.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	612
613	ALL		734758	3836553	7.77E-09	25YrCancerDe	7.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	613
614	ALL		734783	3836553	7.14E-09	25YrCancerDe	7.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	614
615	ALL		734808	3836553	5.87E-09	25YrCancerDe	5.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	615
616	ALL		734833	3836553	4.67E-09	25YrCancerDe	4.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	616
617	ALL		734633	3836578	2.91E-09	25YrCancerDe	2.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	617
618	ALL		734658	3836578	2.58E-09	25YrCancerDe	2.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	618
619	ALL		734683	3836578	4.58E-10	25YrCancerDe	4.58E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	619
620	ALL		734708	3836578	5.69E-10	25YrCancerDe	5.69E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	620
621	ALL		734733	3836578	2.44E-09	25YrCancerDe	2.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	621
622	ALL		734758	3836578	4.11E-09	25YrCancerDe	4.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	622
623	ALL		734783	3836578	4.47E-09	25YrCancerDe	4.47E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	623
624	ALL		734808	3836578	4.04E-09	25YrCancerDe	4.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	624
625	ALL		734833	3836578	3.41E-09	25YrCancerDe	3.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	625
626	ALL		734633	3836603	1.83E-09	25YrCancerDe	1.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	626
627	ALL		734658	3836603	1.45E-09	25YrCancerDe	1.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	627
628	ALL		734683	3836603	6.83E-10	25YrCancerDe	6.83E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	628
629	ALL		734708	3836603	5.05E-10	25YrCancerDe	5.05E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	629
630	ALL		734733	3836603	7.03E-10	25YrCancerDe	7.03E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	630
631	ALL		734758	3836603	1.25E-09	25YrCancerDe	1.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	631
632	ALL		734783	3836603	1.71E-09	25YrCancerDe	1.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	632

*HARP - HRACalc v21081 10/7/2022 1:36:18 PM - Cancer Risk - Input File: C:\HARP2\Project Files\REDEYEKITE\hra\Worker Cancer RiskHRAInput.hra

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_RISI	MMILK_RISK	WATER_RISK	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_RISI	EGG_RISK	
633	ALL		734808	3836603	1.87E-09	25YrCancerDe	1.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	633
634	ALL		734833	3836603	1.83E-09	25YrCancerDe	1.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	634
635	ALL		734633	3836628	1.20E-09	25YrCancerDe	1.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	635
636	ALL		734658	3836628	9.35E-10	25YrCancerDe	9.35E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	636
637	ALL		734683	3836628	6.35E-10	25YrCancerDe	6.35E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	637
638	ALL		734708	3836628	5.03E-10	25YrCancerDe	5.03E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	638
639	ALL		734733	3836628	4.67E-10	25YrCancerDe	4.67E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	639
640	ALL		734758	3836628	5.42E-10	25YrCancerDe	5.42E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	640
641	ALL		734783	3836628	6.93E-10	25YrCancerDe	6.93E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	641
642	ALL		734808	3836628	8.33E-10	25YrCancerDe	8.33E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	642
643	ALL		734833	3836628	9.22E-10	25YrCancerDe	9.22E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	643
644	ALL		734633	3836653	8.16E-10	25YrCancerDe	8.16E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	644
645	ALL		734658	3836653	6.68E-10	25YrCancerDe	6.68E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	645
646	ALL		734683	3836653	5.08E-10	25YrCancerDe	5.08E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	646
647	ALL		734708	3836653	4.21E-10	25YrCancerDe	4.21E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	647
648	ALL		734733	3836653	3.74E-10	25YrCancerDe	3.74E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	648
649	ALL		734758	3836653	3.66E-10	25YrCancerDe	3.66E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	649
650	ALL		734783	3836653	3.99E-10	25YrCancerDe	3.99E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	650
651	ALL		734808	3836653	4.53E-10	25YrCancerDe	4.53E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	651
652	ALL		734833	3836653	5.11E-10	25YrCancerDe	5.11E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	652
653	ALL		734633	3836678	5.94E-10	25YrCancerDe	5.94E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	653
654	ALL		734658	3836678	5.00E-10	25YrCancerDe	5.00E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	654
655	ALL		734683	3836678	4.06E-10	25YrCancerDe	4.06E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	655
656	ALL		734708	3836678	3.50E-10	25YrCancerDe	3.50E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	656
657	ALL		734733	3836678	3.14E-10	25YrCancerDe	3.14E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	657
658	ALL		734758	3836678	2.94E-10	25YrCancerDe	2.94E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	658
659	ALL		734783	3836678	2.94E-10	25YrCancerDe	2.94E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	659
660	ALL		734808	3836678	3.09E-10	25YrCancerDe	3.09E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	660
661	ALL		734833	3836678	3.34E-10	25YrCancerDe	3.34E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	661
662	ALL		734633	3836703	4.57E-10	25YrCancerDe	4.57E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	662
663	ALL		734658	3836703	3.93E-10	25YrCancerDe	3.93E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	663
664	ALL		734683	3836703	3.33E-10	25YrCancerDe	3.33E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	664
665	ALL		734708	3836703	2.96E-10	25YrCancerDe	2.96E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	665
666	ALL		734733	3836703	2.70E-10	25YrCancerDe	2.70E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	666
667	ALL		734758	3836703	2.51E-10	25YrCancerDe	2.51E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	667
668	ALL		734783	3836703	2.43E-10	25YrCancerDe	2.43E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	668
669	ALL		734808	3836703	2.43E-10	25YrCancerDe	2.43E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	669
670	ALL		734833	3836703	2.50E-10	25YrCancerDe	2.50E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	670
671	ALL		734633	3836728	3.66E-10	25YrCancerDe	3.66E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	671
672	ALL		734658	3836728	3.21E-10	25YrCancerDe	3.21E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	672
673	ALL		734683	3836728	2.81E-10	25YrCancerDe	2.81E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	673
674	ALL		734708	3836728	2.54E-10	25YrCancerDe	2.54E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	674
675	ALL		734733	3836728	2.36E-10	25YrCancerDe	2.36E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	675
676	ALL		734758	3836728	2.21E-10	25YrCancerDe	2.21E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	676
677	ALL		734783	3836728	2.11E-10	25YrCancerDe	2.11E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	677
678	ALL		734808	3836728	2.06E-10	25YrCancerDe	2.06E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	678
679	ALL		734833	3836728	2.07E-10	25YrCancerDe	2.07E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	679
680	ALL		734633	3836753	3.01E-10	25YrCancerDe	3.01E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	680
681	ALL		734658	3836753	2.70E-10	25YrCancerDe	2.70E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	681
682	ALL		734683	3836753	2.42E-10	25YrCancerDe	2.42E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	682
683	ALL		734708	3836753	2.23E-10	25YrCancerDe	2.23E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	683
684	ALL		734733	3836753	2.10E-10	25YrCancerDe	2.10E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	684
685	ALL		734758	3836753	1.99E-10	25YrCancerDe	1.99E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	685
686	ALL		734783	3836753	1.90E-10	25YrCancerDe	1.90E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	686
687	ALL		734808	3836753	1.83E-10	25YrCancerDe	1.83E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	687
688	ALL		734833	3836753	1.80E-10	25YrCancerDe	1.80E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	688
689	ALL		734633	3836778	2.54E-10	25YrCancerDe	2.54E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	689
690	ALL		734658	3836778	2.32E-10	25YrCancerDe	2.32E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	690
691	ALL		734683	3836778	2.12E-10	25YrCancerDe	2.12E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	691
692	ALL		734708	3836778	1.99E-10	25YrCancerDe	1.99E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	692
693	ALL		734733	3836778	1.88E-10	25YrCancerDe	1.88E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	693
694	ALL		734758	3836778	1.81E-10	25YrCancerDe	1.81E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	694
695	ALL		734783	3836778	1.73E-10	25YrCancerDe	1.73E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	695
696	ALL		734808	3836778	1.66E-10	25YrCancerDe	1.66E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	696
697	ALL		734833	3836778	1.62E-10	25YrCancerDe	1.62E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	697
698	ALL		734633	3836803	2.19E-10	25YrCancerDe	2.19E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	698
699	ALL		734658	3836803	2.02E-10	25YrCancerDe	2.02E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	699
700	ALL		734683	3836803	1.89E-10	25YrCancerDe	1.89E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	700
701	ALL		734708	3836803	1.79E-10	25YrCancerDe	1.79E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	701
702	ALL		734733	3836803	1.71E-10	25YrCancerDe	1.71E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	702
703	ALL		734758	3836803	1.65E-10	25YrCancerDe	1.65E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	703
704	ALL		734783	3836803	1.60E-10	25YrCancerDe	1.60E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	704
705	ALL		734808	3836803	1.53E-10	25YrCancerDe	1.53E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	705
706	ALL		734833	3836803	1.48E-10	25YrCancerDe	1.48E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	706
707	ALL		734633	3836828	1.91E-10	25YrCancerDe	1.91E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	707
708	ALL		734658	3836828	1.79E-10	25YrCancerDe	1.79E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	708
709	ALL		734683	3836828	1.70E-10	25YrCancerDe	1.70E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	709
710	ALL		734708	3836828	1.63E-10	25YrCancerDe	1.63E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	710

*HARP - HRACalc v21081 10/7/2022 1:36:18 PM - Cancer Risk - Input File: C:\HARP2\Project Files\REDEYEKITE\hra\Worker Cancer RiskHRAInput.hra

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_RISI	MMILK_RISK	WATER_RISK	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_RISI	EGG_RISK	
711	ALL		734733	3836828	1.56E-10	25YrCancerDe	1.56E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	711
712	ALL		734758	3836828	1.52E-10	25YrCancerDe	1.52E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	712
713	ALL		734783	3836828	1.48E-10	25YrCancerDe	1.48E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	713
714	ALL		734808	3836828	1.42E-10	25YrCancerDe	1.42E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	714
715	ALL		734833	3836828	1.37E-10	25YrCancerDe	1.37E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	715
716	ALL		734633	3836853	1.69E-10	25YrCancerDe	1.69E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	716
717	ALL		734658	3836853	1.61E-10	25YrCancerDe	1.61E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	717
718	ALL		734683	3836853	1.54E-10	25YrCancerDe	1.54E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	718
719	ALL		734708	3836853	1.49E-10	25YrCancerDe	1.49E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	719
720	ALL		734733	3836853	1.45E-10	25YrCancerDe	1.45E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	720
721	ALL		734758	3836853	1.41E-10	25YrCancerDe	1.41E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	721
722	ALL		734783	3836853	1.37E-10	25YrCancerDe	1.37E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	722
723	ALL		734808	3836853	1.33E-10	25YrCancerDe	1.33E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	723
724	ALL		734833	3836853	1.28E-10	25YrCancerDe	1.28E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	724

*HARP - HRACalc v21081 10/7/2022 1:36:53 PM - Chronic Risk - Input File: C:\HARP2\Project Files\REDEYEKITE\hra\Worker Chronic RiskHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DEVE	RESP	SKIN	EYE	BONE/TEETH	ENDO	BLOOD	ODOR	GENERAL	MAXHI	
399	ALL		734633	3836153	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-07	399
400	ALL		734658	3836153	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-07	400
401	ALL		734683	3836153	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-07	401
402	ALL		734708	3836153	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-07	402
403	ALL		734733	3836153	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-07	403
404	ALL		734758	3836153	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-07	404
405	ALL		734783	3836153	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-07	405
406	ALL		734808	3836153	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-07	406
407	ALL		734833	3836153	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-07	407
408	ALL		734858	3836153	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-07	408
409	ALL		734633	3836178	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-07	409
410	ALL		734658	3836178	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-07	410
411	ALL		734683	3836178	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-07	411
412	ALL		734708	3836178	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-07	412
413	ALL		734733	3836178	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-07	413
414	ALL		734758	3836178	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-07	414
415	ALL		734783	3836178	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-07	415
416	ALL		734808	3836178	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-07	416
417	ALL		734833	3836178	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-07	417
418	ALL		734858	3836178	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-07	418
419	ALL		734883	3836178	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-07	419
420	ALL		734633	3836203	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-07	420
421	ALL		734658	3836203	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-07	421
422	ALL		734683	3836203	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-07	422
423	ALL		734708	3836203	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-07	423
424	ALL		734733	3836203	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-07	424
425	ALL		734758	3836203	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-07	425
426	ALL		734783	3836203	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-07	426
427	ALL		734808	3836203	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-07	427
428	ALL		734833	3836203	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-07	428
429	ALL		734858	3836203	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-07	429
430	ALL		734883	3836203	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-07	430
431	ALL		734908	3836203	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-07	431
432	ALL		734633	3836228	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-07	432
433	ALL		734658	3836228	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-07	433
434	ALL		734683	3836228	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-07	434
435	ALL		734708	3836228	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-07	435
436	ALL		734733	3836228	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-07	436
437	ALL		734758	3836228	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-07	437
438	ALL		734783	3836228	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-07	438
439	ALL		734808	3836228	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-07	439
440	ALL		734833	3836228	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-07	440
441	ALL		734858	3836228	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-07	441
442	ALL		734883	3836228	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-07	442
443	ALL		734908	3836228	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-07	443
444	ALL		734933	3836228	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-07	444
445	ALL		734633	3836253	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-07	445
446	ALL		734658	3836253	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-07	446
447	ALL		734683	3836253	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-07	447
448	ALL		734708	3836253	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-07	448
449	ALL		734733	3836253	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-07	449
450	ALL		734758	3836253	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-07	450
451	ALL		734783	3836253	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-07	451
452	ALL		734808	3836253	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-07	452
453	ALL		734833	3836253	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-07	453
454	ALL		734858	3836253	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-07	454
455	ALL		734883	3836253	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-07	455
456	ALL		734908	3836253	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-07	456
457	ALL		734933	3836253	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-07	457
458	ALL		734958	3836253	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-07	458
459	ALL		734633	3836278	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-07	459
460	ALL		734658	3836278	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-07	460
461	ALL		734683	3836278	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-07	461
462	ALL		734708	3836278	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-07	462
463	ALL		734733	3836278	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-07	463
464	ALL		734758	3836278	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-07	464
465	ALL		734783	3836278	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-07	465
466	ALL		734808	3836278	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-07	466
467	ALL		734833	3836278	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-07	467
468	ALL		734858	3836278	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-07	468
469	ALL		734883	3836278	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-07	469
470	ALL		734908	3836278	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-07	470
471	ALL		734933	3836278	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-07	471
472	ALL		734958	3836278	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-07	472
473	ALL		734633	3836303	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-07	473
474	ALL		734658	3836303	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-07	474
475	ALL		734683	3836303	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-07	475
476	ALL		734708	3836303	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-07	476
477	ALL		734733	3836303	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-07	477
478	ALL		734758	3836303	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-07	478

0.00003 Residential Risk
613 Receptor

*HARP - HRACalc v21081 10/7/2022 1:36:53 PM - Chronic Risk - Input File: C:\HARP2\Project Files\REDEYEKITE\hra\Worker Chronic RiskHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DEVE	RESP	SKIN	EYE	BONE/TEETH	ENDO	BLOOD	ODOR	GENERAL	MAXHI	
479	ALL		734783	3836303	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-07	479
480	ALL		734808	3836303	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-07	480
481	ALL		734833	3836303	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-07	481
482	ALL		734858	3836303	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-07	482
483	ALL		734883	3836303	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-07	483
484	ALL		734908	3836303	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-07	484
485	ALL		734933	3836303	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-07	485
486	ALL		734958	3836303	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-07	486
487	ALL		734633	3836328	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-07	487
488	ALL		734658	3836328	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-07	488
489	ALL		734683	3836328	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-07	489
490	ALL		734708	3836328	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-07	490
491	ALL		734733	3836328	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-07	491
492	ALL		734758	3836328	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-07	492
493	ALL		734783	3836328	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-07	493
494	ALL		734808	3836328	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-07	494
495	ALL		734833	3836328	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-07	495
496	ALL		734858	3836328	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-07	496
497	ALL		734883	3836328	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-07	497
498	ALL		734908	3836328	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-07	498
499	ALL		734933	3836328	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-07	499
500	ALL		734958	3836328	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-07	500
501	ALL		734633	3836353	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-07	501
502	ALL		734658	3836353	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-07	502
503	ALL		734683	3836353	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-07	503
504	ALL		734708	3836353	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-07	504
505	ALL		734733	3836353	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-07	505
506	ALL		734758	3836353	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-07	506
507	ALL		734783	3836353	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.23E-07	507
508	ALL		734808	3836353	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-07	508
509	ALL		734833	3836353	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-06	509
510	ALL		734858	3836353	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-06	510
511	ALL		734883	3836353	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-06	511
512	ALL		734908	3836353	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-06	512
513	ALL		734933	3836353	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-06	513
514	ALL		734958	3836353	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-06	514
515	ALL		734633	3836378	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-07	515
516	ALL		734658	3836378	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-07	516
517	ALL		734683	3836378	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-07	517
518	ALL		734708	3836378	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-07	518
519	ALL		734733	3836378	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-06	519
520	ALL		734758	3836378	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-06	520
521	ALL		734783	3836378	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-06	521
522	ALL		734808	3836378	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-06	522
523	ALL		734833	3836378	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-06	523
524	ALL		734858	3836378	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-06	524
525	ALL		734883	3836378	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-06	525
526	ALL		734908	3836378	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-06	526
527	ALL		734933	3836378	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-06	527
528	ALL		734958	3836378	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-06	528
529	ALL		734633	3836403	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-07	529
530	ALL		734658	3836403	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-07	530
531	ALL		734683	3836403	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-06	531
532	ALL		734708	3836403	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-06	532
533	ALL		734733	3836403	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-06	533
534	ALL		734758	3836403	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-06	534
535	ALL		734783	3836403	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-06	535
536	ALL		734808	3836403	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-06	536
537	ALL		734833	3836403	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-06	537
538	ALL		734858	3836403	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-06	538
539	ALL		734883	3836403	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-06	539
540	ALL		734908	3836403	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-06	540
541	ALL		734933	3836403	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-06	541
542	ALL		734958	3836403	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-06	542
543	ALL		734633	3836428	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-07	543
544	ALL		734658	3836428	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-06	544
545	ALL		734683	3836428	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-06	545
546	ALL		734708	3836428	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-06	546
547	ALL		734733	3836428	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-06	547
548	ALL		734758	3836428	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-06	548
549	ALL		734783	3836428	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-06	549
550	ALL		734808	3836428	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-06	550
551	ALL		734833	3836428	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-06	551
552	ALL		734858	3836428	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-06	552
553	ALL		734883	3836428	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-06	553
554	ALL		734908	3836428	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-06	554
555	ALL		734933	3836428	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-06	555
556	ALL		734958	3836428	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-06	556
557	ALL		734633	3836453	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-06	557

*HARP - HRACalc v21081 10/7/2022 1:36:53 PM - Chronic Risk - Input File: C:\HARP2\Project Files\REDEYEKITE\hra\Worker Chronic RiskHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DEVE	RESP	SKIN	EYE	BONE/TEETH	ENDO	BLOOD	ODOR	GENERAL	MAXHI	
558	ALL		734658	3836453	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-06	558
559	ALL		734683	3836453	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-06	559
560	ALL		734708	3836453	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-06	560
561	ALL		734733	3836453	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-06	561
562	ALL		734758	3836453	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-06	562
563	ALL		734783	3836453	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-06	563
564	ALL		734808	3836453	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-06	564
565	ALL		734833	3836453	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-06	565
566	ALL		734858	3836453	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-06	566
567	ALL		734883	3836453	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-06	567
568	ALL		734908	3836453	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-06	568
569	ALL		734933	3836453	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-06	569
570	ALL		734958	3836453	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-06	570
571	ALL		734633	3836478	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-06	571
572	ALL		734658	3836478	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-06	572
573	ALL		734683	3836478	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-06	573
574	ALL		734708	3836478	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-06	574
575	ALL		734733	3836478	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-06	575
576	ALL		734758	3836478	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-06	576
577	ALL		734783	3836478	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-06	577
578	ALL		734808	3836478	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-06	578
579	ALL		734833	3836478	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-06	579
580	ALL		734858	3836478	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-06	580
581	ALL		734883	3836478	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-06	581
582	ALL		734908	3836478	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-06	582
583	ALL		734933	3836478	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-06	583
584	ALL		734958	3836478	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-06	584
585	ALL		734633	3836503	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-06	585
586	ALL		734658	3836503	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-06	586
587	ALL		734683	3836503	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-06	587
588	ALL		734708	3836503	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-06	588
589	ALL		734733	3836503	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-06	589
590	ALL		734758	3836503	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	590
591	ALL		734783	3836503	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	591
592	ALL		734808	3836503	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-05	592
593	ALL		734833	3836503	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	593
594	ALL		734858	3836503	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	594
595	ALL		734883	3836503	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-06	595
596	ALL		734908	3836503	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-06	596
597	ALL		734933	3836503	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-06	597
598	ALL		734958	3836503	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-06	598
599	ALL		734633	3836528	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-06	599
600	ALL		734658	3836528	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-06	600
601	ALL		734683	3836528	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-06	601
602	ALL		734708	3836528	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-06	602
603	ALL		734733	3836528	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05	603
604	ALL		734758	3836528	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05	604
605	ALL		734783	3836528	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05	605
606	ALL		734808	3836528	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05	606
607	ALL		734833	3836528	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05	607
608	ALL		734633	3836553	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-06	608
609	ALL		734658	3836553	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-06	609
610	ALL		734683	3836553	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-06	610
611	ALL		734708	3836553	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-06	611
612	ALL		734733	3836553	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05	612
613	ALL		734758	3836553	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-05	613
614	ALL		734783	3836553	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-05	614
615	ALL		734808	3836553	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05	615
616	ALL		734833	3836553	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05	616
617	ALL		734633	3836578	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-06	617
618	ALL		734658	3836578	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-06	618
619	ALL		734683	3836578	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-06	619
620	ALL		734708	3836578	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-06	620
621	ALL		734733	3836578	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-06	621
622	ALL		734758	3836578	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	622
623	ALL		734783	3836578	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	623
624	ALL		734808	3836578	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	624
625	ALL		734833	3836578	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	625
626	ALL		734633	3836603	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-06	626
627	ALL		734658	3836603	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-06	627
628	ALL		734683	3836603	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-06	628
629	ALL		734708	3836603	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-06	629
630	ALL		734733	3836603	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-06	630
631	ALL		734758	3836603	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-06	631
632	ALL		734783	3836603	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-06	632
633	ALL		734808	3836603	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-06	633
634	ALL		734833	3836603	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-06	634
635	ALL		734633	3836628	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-06	635
636	ALL		734658	3836628	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-06	636

*HARP - HRACalc v21081 10/7/2022 1:36:53 PM - Chronic Risk - Input File: C:\HARP2\Project Files\REDEYEKITE\hra\Worker Chronic RiskHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DEVE	RESP	SKIN	EYE	BONE/TEETH	ENDO	BLOOD	ODOR	GENERAL	MAXHI	
637	ALL		734683	3836628	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-06	637
638	ALL		734708	3836628	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-06	638
639	ALL		734733	3836628	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-06	639
640	ALL		734758	3836628	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-06	640
641	ALL		734783	3836628	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-06	641
642	ALL		734808	3836628	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-06	642
643	ALL		734833	3836628	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-06	643
644	ALL		734633	3836653	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-06	644
645	ALL		734658	3836653	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-06	645
646	ALL		734683	3836653	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-06	646
647	ALL		734708	3836653	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-06	647
648	ALL		734733	3836653	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-06	648
649	ALL		734758	3836653	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-06	649
650	ALL		734783	3836653	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-06	650
651	ALL		734808	3836653	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-06	651
652	ALL		734833	3836653	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-06	652
653	ALL		734633	3836678	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-06	653
654	ALL		734658	3836678	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-06	654
655	ALL		734683	3836678	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-06	655
656	ALL		734708	3836678	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-06	656
657	ALL		734733	3836678	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-06	657
658	ALL		734758	3836678	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-07	658
659	ALL		734783	3836678	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-07	659
660	ALL		734808	3836678	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-07	660
661	ALL		734833	3836678	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-06	661
662	ALL		734633	3836703	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-06	662
663	ALL		734658	3836703	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-06	663
664	ALL		734683	3836703	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-06	664
665	ALL		734708	3836703	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-07	665
666	ALL		734733	3836703	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-07	666
667	ALL		734758	3836703	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-07	667
668	ALL		734783	3836703	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-07	668
669	ALL		734808	3836703	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-07	669
670	ALL		734833	3836703	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-07	670
671	ALL		734633	3836728	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-06	671
672	ALL		734658	3836728	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-06	672
673	ALL		734683	3836728	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-07	673
674	ALL		734708	3836728	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-07	674
675	ALL		734733	3836728	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-07	675
676	ALL		734758	3836728	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-07	676
677	ALL		734783	3836728	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-07	677
678	ALL		734808	3836728	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-07	678
679	ALL		734833	3836728	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-07	679
680	ALL		734633	3836753	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-07	680
681	ALL		734658	3836753	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-07	681
682	ALL		734683	3836753	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-07	682
683	ALL		734708	3836753	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-07	683
684	ALL		734733	3836753	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-07	684
685	ALL		734758	3836753	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-07	685
686	ALL		734783	3836753	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-07	686
687	ALL		734808	3836753	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-07	687
688	ALL		734833	3836753	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-07	688
689	ALL		734633	3836778	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-07	689
690	ALL		734658	3836778	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-07	690
691	ALL		734683	3836778	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-07	691
692	ALL		734708	3836778	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-07	692
693	ALL		734733	3836778	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-07	693
694	ALL		734758	3836778	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-07	694
695	ALL		734783	3836778	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-07	695
696	ALL		734808	3836778	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-07	696
697	ALL		734833	3836778	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-07	697
698	ALL		734633	3836803	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-07	698
699	ALL		734658	3836803	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-07	699
700	ALL		734683	3836803	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-07	700
701	ALL		734708	3836803	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-07	701
702	ALL		734733	3836803	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-07	702
703	ALL		734758	3836803	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-07	703
704	ALL		734783	3836803	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-07	704
705	ALL		734808	3836803	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-07	705
706	ALL		734833	3836803	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-07	706
707	ALL		734633	3836828	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-07	707
708	ALL		734658	3836828	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-07	708
709	ALL		734683	3836828	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-07	709
710	ALL		734708	3836828	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-07	710
711	ALL		734733	3836828	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-07	711
712	ALL		734758	3836828	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-07	712
713	ALL		734783	3836828	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-07	713
714	ALL		734808	3836828	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-07	714
715	ALL		734833	3836828	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-07	715

*HARP - HRACalc v21081 10/7/2022 1:36:53 PM - Chronic Risk - Input File: C:\HARP2\Project Files\REDEYEKITE\hra\Worker Chronic RiskHRAInput.hra

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DEVE	RESP	SKIN	EYE	BONE/TEETH	ENDO	BLOOD	ODOR	GENERAL	MAXHI	
716	ALL		734633	3836853	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-07	716
717	ALL		734658	3836853	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-07	717
718	ALL		734683	3836853	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-07	718
719	ALL		734708	3836853	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-07	719
720	ALL		734733	3836853	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-07	720
721	ALL		734758	3836853	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-07	721
722	ALL		734783	3836853	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-07	722
723	ALL		734808	3836853	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-07	723
724	ALL		734833	3836853	NonCancerCh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-07	724

Appendix C

Tribal Consultation Documentation

Santa Ynez Band of Chumash Indians
Tribal Elders' Council
P.O. Box 517 ◆ Santa Ynez ◆ CA ◆ 93460
Phone: (805)688-7997 ◆ Fax: (805)688-9578 ◆ Email: elders@santaynezchuhmash.org

May 31, 2022

City of Lompoc
Planning Division
100 Civic Center Plaza
Lompoc, CA 93436

Att.: Brian Halvorson, Planning Manager

Re: Red Eye Kite Cannabis Cultivation Project

Dear Mr. Halvorson:

Thank you for contacting the Tribal Elders' Council for the Santa Ynez Band of Chumash Indians.

At this time, the Elders' Council requests no further consultation on this project; however, we understand that as part of NHPA Section 106, we must be notified of the project.

Thank you for remembering that at one time our ancestors walked this sacred land.

Sincerely Yours,

Crystal Mendoza

Crystal Mendoza
Administrative Assistant | Cultural Resource Management
Santa Ynez Band of Chumash Indians | Tribal Hall
(805) 325-5537
cmendoza@santaynezchumash.org

City of LOMPOC

April 24, 2022

Santa Ynez Band of Chumash Indians
Kenneth Kahn, Chairperson
P.O. Box 517
Santa Ynez, CA, 93460

RE: Assembly Bill 52 Consultation, Red Eye Kite Indoor Cannabis Cultivation Project, City of Lompoc, Santa Barbara County, California

Dear Chairperson Kahn:

The City of Lompoc (City) is preparing an Initial Study – Mitigated Negative Declaration for the proposed Red Eye Kite Indoor Cannabis Cultivation Project located at 1501 East Laurel Avenue in a portion of an existing industrial business park. The project will include the utilization and upgrades to half (approximately 2,000 square feet) of an existing one-story industrial/warehouse building for indoor cannabis cultivation. The proposed project is subject to the California Environmental Quality Act.

The proposed project must comply with California Public Resources Code § 21080.3.1 (Assembly Bill [AB] 52 of 2014), which requires local governments to conduct meaningful consultation with California Native American tribes that have requested to be notified by lead agencies of proposed projects in the geographic area with which the tribe is traditionally and culturally affiliated.

The input of the Barbareñno/Ventureñno Band of Mission Indians is important to the City's planning process. Under AB 52, you have 30 days from receipt of this letter to respond in writing if you wish you consult on the proposed project. If you require any additional information or have any questions, please contact me via e-mail at b_halvorson@ci.lompoc.ca.us or at 805-875-8228. Thank you for your assistance

Sincerely,

Brian Halvorson
Planning Manager

Enclosure: Project Location Map

100 CIVIC CENTER PLAZA, LOMPOC, CA 93436
PHONE: 805-736-1261 FAX: 805-736-5347

Project Location Map

Project Area
Weigel, Cherridah - April 2022

0 100 200 ft

City of LOMPOC

April 24, 2022

San Luis Obispo County Chumash Council
1030 Ritchie Road
Grover Beach, CA, 93433

RE: Assembly Bill 52 Consultation, Red Eye Kite Indoor Cannabis Cultivation Project, City of Lompoc, Santa Barbara County, California

Dear Chairperson:

The City of Lompoc (City) is preparing an Initial Study – Mitigated Negative Declaration for the proposed Red Eye Kite Indoor Cannabis Cultivation Project located at 1501 East Laurel Avenue in a portion of an existing industrial business park. The project will include the utilization and upgrades to half (approximately 2,000 square feet) of an existing one-story industrial/warehouse building for indoor cannabis cultivation. The proposed project is subject to the California Environmental Quality Act.

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Sincerely,

Brian Halvorson
Planning Manager

Enclosure: Project Location Map

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City of LOMPOC

April 24, 2022

Northern Chumash Tribal Council
Violet Walker, Chairperson
P.O. Box 6533
Los Osos, CA, 93412

RE: Assembly Bill 52 Consultation, Red Eye Kite Indoor Cannabis Cultivation Project, City of Lompoc, Santa Barbara County, California

Dear Chairperson Walker:

The City of Lompoc (City) is preparing an Initial Study – Mitigated Negative Declaration for the proposed Red Eye Kite Indoor Cannabis Cultivation Project located at 1501 East Laurel Avenue in a portion of an existing industrial business park. The project will include the utilization and upgrades to half (approximately 2,000 square feet) of an existing one-story industrial/warehouse building for indoor cannabis cultivation. The proposed project is subject to the California Environmental Quality Act.

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Sincerely,

Brian Halvorson
Planning Manager

Enclosure: Project Location Map

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PHONE: 805-736-1261 FAX: 805-736-5347

Project Location Map

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Weigel, Cherridah - April 2022

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City of LOMPOC

April 24, 2022

Coastal Band of the Chumash Nation
Mariza Sullivan, Chairperson
P. O. Box 4464
Santa Barbara, CA, 93140

RE: Assembly Bill 52 Consultation, Red Eye Kite Indoor Cannabis Cultivation Project, City of Lompoc, Santa Barbara County, California

Dear Chairperson Sullivan:

The City of Lompoc (City) is preparing an Initial Study – Mitigated Negative Declaration for the proposed Red Eye Kite Indoor Cannabis Cultivation Project located at 1501 East Laurel Avenue in a portion of an existing industrial business park. The project will include the utilization and upgrades to half (approximately 2,000 square feet) of an existing one-story industrial/warehouse building for indoor cannabis cultivation. The proposed project is subject to the California Environmental Quality Act.

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Sincerely,

Brian Halvorson
Planning Manager

Enclosure: Project Location Map

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PHONE: 805-736-1261 FAX: 805-736-5347

Project Location Map

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City of LOMPOC

April 24, 2022

Chumash Council of Bakersfield
Julio Quair, Chairperson
729 Texas Street
Bakersfield, CA, 93307

RE: Assembly Bill 52 Consultation, Red Eye Kite Indoor Cannabis Cultivation Project, City of Lompoc, Santa Barbara County, California

Dear Chairperson Quair:

The City of Lompoc (City) is preparing an Initial Study – Mitigated Negative Declaration for the proposed Red Eye Kite Indoor Cannabis Cultivation Project located at 1501 East Laurel Avenue in a portion of an existing industrial business park. The project will include the utilization and upgrades to half (approximately 2,000 square feet) of an existing one-story industrial/warehouse building for indoor cannabis cultivation. The proposed project is subject to the California Environmental Quality Act.

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Sincerely,

Brian Halvorson
Planning Manager

Enclosure: Project Location Map

Project Location Map

Project Area
Weigel, Cherridah - April 2022

0 100 200 ft

City of LOMPOC

April 24, 2022

Barbareñno/Ventureñno Band of Mission Indians
Julie Tumamait-Stenslie, Chairperson
365 North Poli Ave
Ojai, California 93023

RE: Assembly Bill 52 Consultation, Red Eye Kite Indoor Cannabis Cultivation Project, City of Lompoc, Santa Barbara County, California

Dear Chairperson Tumamait-Stenslie:

The City of Lompoc (City) is preparing an Initial Study – Mitigated Negative Declaration for the proposed Red Eye Kite Indoor Cannabis Cultivation Project located at 1501 East Laurel Avenue in a portion of an existing industrial business park. The project will include the utilization and upgrades to half (approximately 2,000 square feet) of an existing one-story industrial/warehouse building for indoor cannabis cultivation. The proposed project is subject to the California Environmental Quality Act.

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Sincerely,

Brian Halvorson
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