APPENDIX D

Air Quality Modeling and Health Risk Assessment Memorandum

Midway Village Project

Criteria Air Pollutant Estimates and Health Risk Assessment

March 24, 2020

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Appendix A: CalEEMod Results
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Abbreviations

$\mu g/m^3$	micrograms per liter
BAAQMD	Bay Area Air Quality Management District
CARB	California Air Resources Board
CEQA	California Environmental Quality Act
CalEEMod	California Emissions Estimator Model
CO_2	carbon dioxide
DPM	diesel particulate matter
HEPA	high-efficiency particulate air
HI	Hazard Index
HRA	Health Risk Assessment
HVAC	heating/vacuum/air conditioning
ITE	Institute of Transportation Engineers
L/kg day	liters per kilogram body weight
MERV	minimum efficiency reporting value
MIR	Maximum Impacted Sensitive Receptor
MM	Mitigation Measure
NO_X	oxides of nitrogen
OEHHA	Office of Environmental Health Hazard Assessment
$PM_{2.5}$	particulate matter 2.5 microns or less aerodynamic diameter
PM_{10}	particulate matter 10 microns or less aerodynamic diameter
project	Midway Village Redevelopment Project
REL	Reference Exposure Level
ROG	reactive organic gases
USEPA	U.S. Environmental Protection Agency

March 24, 2020

1.0 INTRODUCTION

This Air Quality Memorandum evaluates the criteria pollutant emission estimates associated with construction and operations of the proposed Midway Village Redevelopment Project (proposed project or project) in the City of Daly City, California. This Air Quality Memorandum also includes a Health Risk Assessment (HRA) that was prepared evaluating potential air quality impacts for construction of the proposed project.

The analysis was prepared in conformance with appropriate standards, using procedures and methodologies in the Bay Area Air Quality Management District (BAAQMD) and California Environmental Quality Act (CEQA) Air Quality Guidelines. Where applicable, guidelines and methodologies from the California Air Resources Board (CARB), California Office of Environmental Health Hazard Assessment (OEHHA), and the U.S. Environmental Protection Agency (USEPA) were followed.

1.1 PROJECT DESCRIPTION

The Midway Village area is being proposed for redevelopment as part of the proposed project. Currently, the Midway Village area contains 150 residential units, 223 parking spaces, a child-care facility, open space, an existing street system, and office space for the San Mateo County Housing Authority. Additionally, an existing park, David R. Rowe/Bayshore Park, is currently located directly north and east of the Midway Village area.

The proposed project would involve redevelopment of this site and would include mixed-use development consisting of 555 residential units, 746 parking spaces, a child-care facility, a community center, office space for property management and other ancillary services, a revised street system, and recreation facilities. Additionally, David R. Rowe/Bayshore Park would be relocated and redeveloped as part of the proposed project. Other ancillary improvements as part of the proposed project would include landscaping, water and wastewater line improvements, and pedestrian walkways.

The project location and 1,000-foot border from the project boundary are shown in Figure 1.

Figure 1: Project Location and 1,000-Foot Border from Project Boundary

1.1.1 Project Representation

The proposed project as it was represented to estimate construction-related air pollutant emissions is summarized in Table 1.

Table 1: Representation of the Project for the Purposes of Estimating Emissions

Phase	Activity	
Phase 1	Demolition	• Phase 1 demolition area: 3.76 acres • Phase 1 demolition totaling approximately 1,074 tons of debris
	Construction	• Total building square footage: 310,612 square feet • Area acreage: 3.76 acres • Proposed dwelling units: 149
Phase 2	Demolition	• Phase 2 demolition area: 4.05 acres • Phase 2 demolition totaling approximately 4,644 tons of debris
	Construction	• Total building square footage: 153,265 square feet • Area acreage: 2.65 acres • Proposed dwelling units: 148
Phase 3	Demolition	• Phase 3 demolition area: 4.71 acres • Phase 3 demolition totaling approximately 7,619 tons of debris
	Construction	• Total building square footage: 191,197 square feet • Area acreage: 4.3 acres • Proposed dwelling units: 117
Phase 4	Demolition	• Phase 4 demolition area: 3.75 acres • Phase 4 demolition totaling approximately 1,789 tons of debris
	Construction	• Total building square footage: 226,526 square feet • Area acreage: 6.13 acres (onsite) • Proposed dwelling units: 141 • Roadway improvements: additional roadway improvements totaling approximately 27,150 square feet
Total Proposed Residences		**555**

The preliminary construction schedule is provided in Table 2.

Table 2: Preliminary Construction Schedule

Construction Phase	Construction Activity	Conceptual Construction Schedule		Working Days per Week	Total Working Days
		Start Date	End Date		
Phase 1	Demolition	1/15/2021	2/1/2021	5	12
	Site Preparation	2/2/2021	3/1/2021	5	20
	Grading	3/2/2021	3/22/2021	5	15
	Building Construction	3/23/2021	11/22/2021	5	175
	Paving	7/1/2021	8/2/2021	5	23
	Architectural Coating	11/2/2021	12/20/2021	5	35

Construction Phase	Construction Activity	Conceptual Construction Schedule		Working Days per Week	Total Working Days
		Start Date	End Date		
Phase 2	Demolition	9/1/2023	10/5/2023	5	25
	Site Preparation	10/15/2023	11/22/2023	5	28
	Grading	11/26/2023	12/18/2023	5	16
	Building Construction	12/20/2023	7/23/2024	5	155
	Paving	6/1/2024	7/20/2024	5	35
	Architectural Coating	8/3/2024	9/25/2024	5	38
Phase 3	Demolition	7/10/2025	9/3/2025	5	40
	Site Preparation	9/5/2025	10/23/2025	5	35
	Grading	11/1/2025	12/5/2025	5	25
	Building Construction	12/6/2025	8/7/2026	5	175
	Paving	6/1/2026	8/5/2026	5	48
	Architectural Coating	8/18/2026	10/5/2026	5	35
Phase 4 (Road Improvements)	Site Preparation	9/5/2025	9/5/2025	5	1
	Grading	9/6/2025	9/9/2025	5	2
	Paving	9/10/2025	10/17/2025	5	28
Phase 4 (Onsite)	Demolition	7/10/2025	9/3/2025	5	40
	Site Preparation	9/5/2025	10/23/2025	5	35
	Grading	11/1/2025	12/5/2025	5	25
	Building Construction	12/6/2025	8/7/2026	5	175
	Paving	6/1/2026	8/5/2026	5	48
	Architectural Coating	8/18/2026	10/5/2026	5	35

Source: Appendix A

Table 3 shows the total construction trips assumed in Phases 1 through 4. Hauling trips consist of heavy-duty truck trips from demolition, import of 43,092 cubic yards of soil, and transport of pieces of equipment.

Table 3: Summary of Total Construction Trips by Phase

Construction Phase	Total Worker Trips per Phase	Total Vendor Trips per Phase	Total Hauling Trips per Phase
Phase 1 Demolition and Construction	28,425	5,692	182
Phase 2 Demolition and Construction	21,999	3,860	2,095
Phase 3 Demolition and Construction	23,795	4,567	829
Phase 4 Demolition and Construction	24,469	3,923	4,085

Source: Appendix A

Relevant project parameters used to estimate emissions from long-term operations of the proposed project are described below.

- Trip generation rates are based on the project-specific transportation analysis prepared by Hexagon Transportation, Inc. Consistent with the project-specific transportation analysis, trip generation rates for the proposed project were obtained for from the Institute of Transportation Engineers (ITE) Manual, 10th Edition, for weekday, Saturday, and Sunday rates for the ITE Land Uses 220 and 565.
- Carbon dioxide (CO_2) intensity factor adjusted based on Renewable Energy Portfolio Standard and Pacific Gas and Electric's 2017 power content label. Electricity emissions estimates are only used in the greenhouse gas analysis, which is not included as part of this Air Quality Memorandum.
- Solar thermal photovoltaic panels would be included as a project design feature. The amount of onsite renewable energy is unknown; therefore, no reductions for onsite renewable energy were quantified. In addition, electricity emissions estimates are only relevant to greenhouse gas emissions.
- As a project design feature, the proposed project would be built to achieve energy efficiency improvements that would exceed Title 24 standards by at least 10 percent.
- The proposed project would be required to comply with existing regulations. For instance, compliance with BAAQMD Regulation 6, Rule 3: Woodburning Devices would be required by existing regulations.

Existing land uses occupying the site would be removed as part of the project. Existing land uses as represented to estimate existing emissions are described below:

- The Bayshore Child-Care Center, which serves 109 students, and 150 low-rise apartment units.

1.2 REGIONAL AIR QUALITY EMISSIONS

The project's regional construction and operational emissions, which include both on- and offsite emissions, are evaluated separately below. Construction and operational emissions from the project were

estimated using the California Emissions Estimator Model (CalEEMod) version 2016.3.2.[1] A detailed description of the assumptions used to estimate emissions and the complete CalEEMod output files are provided in Appendix A.

1.2.1 Construction Emissions

During construction, fugitive dust would be generated from site grading and other earth-moving activities. The majority of this fugitive dust would remain localized and would be deposited near the project site. However, the potential for impacts from fugitive dust exists unless control measures are implemented to reduce the emissions from this source. Exhaust emissions would also be generated from the operation of the off-road construction equipment and vehicles traveling to and from the project site.

1.2.1.1 Construction Fugitive Dust

BAAQMD does not recommend a numerical threshold for fugitive dust particulate matter emissions. Instead, BAAQMD bases the determination of significance for fugitive dust on a consideration of the control measures to be implemented. If all appropriate emissions control measures are implemented for a project as recommended by the BAAQMD, then fugitive dust emissions during construction would not be considered significant. During construction activities, the control measures outlined in Standard Condition AIR-1 are recommended.

Standard Condition AIR-1

The following measures shall be implemented during all phases of construction to control dust and exhaust at the project site:

- Water active construction areas at least twice daily or as often as needed to control dust emissions.
- Cover trucks hauling soil, sand, and other loose materials and/or ensure that all trucks hauling such materials maintain at least two feet of freeboard.
- Remove visible mud or dirt track-out onto adjacent public roads using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.
- Enclose, cover, water twice daily, or apply non-toxic soil binders to exposed stockpiles (dirt, sand, etc.).
- Pave new or improved roadways, driveways, and sidewalks as soon as possible.
- Lay building pads as soon as possible after grading unless seeding or soil binders are used.

[1] California Emissions Estimator Model (CalEEMod). version 2016.3.2. Website: http://caleemod.com/

- Replant vegetation in disturbed areas as quickly as possible.
- Install sandbags or other erosion control measures to prevent silt runoff to public roadways.
- Minimize idling times either by shutting off equipment when not in use, or reducing the maximum idling time to 5 minutes (as required by the California Airborne Toxics Control Measure, Title 13, Section 2485 of the California Code of Regulations). Provide clear signage for construction workers at all access points.
- Maintain and property tune construction equipment in accordance with manufacturer's specifications. Check all equipment by a certified mechanic and record a determination of running in proper condition prior to operation.
- Post a publicly visible sign with the telephone number and person to contact at the lead agency regarding dust complaints.

1.2.1.2 Construction Air Pollutant Emissions: ROG, NO_X, Exhaust PM_{10}, Exhaust $PM_{2.5}$

As previously discussed, CalEEMod version 2016.3.2 was used to estimate the project's construction emissions. CalEEMod provides a consistent platform for estimating construction and operational emissions from a wide variety of land use projects and is the model recommended by BAAQMD for estimating project emissions. Estimated construction emissions are compared with the applicable thresholds of significance established by the BAAQMD to assess reactive organic gases (ROG), oxides of nitrogen (NO_X), exhaust particulate matter 10 microns or less in aerodynamic diameter (PM_{10}), and exhaust particulate matter 2.5 microns or less in aerodynamic diameter ($PM_{2.5}$) construction emissions to determine significance for this criterion.

For the purpose of this analysis, construction of the project was assumed to begin in January 2021 and conclude in October 2026. Construction and operation of the project are anticipated to overlap. Therefore, construction emissions were modeled based on an applicant-provided conceptual phasing schedule. If the construction schedule moves to later years, construction emissions would likely decrease because of improvements in technology and more stringent regulatory requirements. The duration of construction activity and associated equipment represent a reasonable approximation of the expected construction fleet as required by CEQA guidelines.

The calculations of pollutant emissions from the construction equipment account for the type of equipment, horsepower and load factors of the equipment, along with the duration of use. Annual exhaust emissions are shown in Table 4. Average daily construction emissions are compared with the significance thresholds in Table 5.

Table 4: Annual Construction Emissions (Unmitigated)

Construction Year	Tons/Year			
	ROG	NO_X	PM_{10} (Exhaust)	$PM_{2.5}$ (Exhaust)
2021 Construction Emissions—Phase 1	2.50	2.71	0.13	0.12
2023 Construction Emissions—Phase 2	0.08	0.89	0.03	0.03
2024 Construction Emissions—Phase 2	1.25	1.26	0.05	0.05
2025 Construction Emissions—Phase 3	0.13	1.27	0.05	0.05
2026 Construction Emissions—Phase 3	1.51	1.25	0.05	0.04
2025 Construction Emissions—Phase 4	0.15	1.63	0.06	0.05
2026 Construction Emissions—Phase 4	1.75	1.25	0.05	0.05
Total Construction Emissions	**7.37**	**10.25**	**0.41**	**0.38**

Notes:

ROG = reactive organic gases

NO_X = oxides of nitrogen

PM_{10} = particulate matter 10 microns or less in aerodynamic diameter

$PM_{2.5}$ = particulate matter 2.5 microns or less in aerodynamic diameter

Source: CalEEMod Output (Appendix A)

Table 5: Construction Emissions (Unmitigated Average Daily Rate)

Parameter	Air Pollutants			
	ROG	NO_X	PM_{10} (Exhaust)	$PM_{2.5}$ (Exhaust)
Total Emissions (tons/year)	7.37	10.25	0.41	0.38
Total Emissions (pounds/year)	14,740	20,500	820	760
Average Daily Emissions (pounds/day)[1]	18.11	25.18	1.01	0.93
Significance Threshold (pounds/day)	**54**	**54**	**82**	**54**
Exceeds Significance Threshold?	No	No	No	No

Notes:

[1] Calculated by dividing the total number of pounds by the total 814 working days of construction for the entire construction period.

Calculations use rounded totals.

NO_X = oxides of nitrogen; ROG = reactive organic gases; PM_{10} = particulate matter 10 microns or less in aerodynamic diameter; $PM_{2.5}$ = particulate matter 2.5 microns or less in aerodynamic diameter

Source of thresholds: BAAQMD 2017; Source of emissions: CalEEMod Output (Appendix A)

As shown in Table 5**,** the emissions from all construction activities are below the recommended thresholds of significance.

1.2.2 Operational Emissions

1.2.2.1 Operational Air Pollutant Emissions: ROG, NO_X, PM_{10}, $PM_{2.5}$

The pollutants of regional concern include ROG, NO_X, PM_{10}, and $PM_{2.5}$. The project operational emissions for the respective pollutants were calculated using CalEEMod version 2016.3.2. Operational emissions were estimated for the year 2026, which is the earliest year anticipated for full project buildout. Existing land uses occupying the site would be removed as part of the project; therefore, the existing emissions were included in the analysis baseline. Net project operational emissions are compared to the BAAQMD Criteria Air Pollutant Significance thresholds in Tables 6 and 7. Annual net emissions from project operations are provided in Table 6, and the estimated average daily net emissions are provided in Table 7.

Table 6: Annual Operational Emissions (Unmitigated)

Emissions Source	Tons per Year			
	ROG	**NO_X**	**PM_{10}**	**$PM_{2.5}$**
Area	4.21	0.06	0.02	0.02
Energy	0.06	0.49	0.04	0.04
Mobile (Motor Vehicles)	0.86	2.39	3.66	1.00
Total Project Annual Emissions	*5.12*	*2.94*	*3.72*	*1.06*
Existing Emissions	1.11	0.91	1.11	0.32
Net Project Annual Emissions	**4.01**	**2.03**	**2.61**	**0.75**
Thresholds of Significance	**10**	**10**	**15**	**10**
Exceeds Significance Threshold?	No	No	No	No

Notes:
NO_X = oxides of nitrogen
ROG = reactive organic gases
PM_{10} = particulate matter 10 microns or less in aerodynamic diameter
$PM_{2.5}$ = particulate matter 2.5 microns or less in aerodynamic diameter
Source: CalEEMod Output (Appendix A)

Table 7: Average Daily Operational Emissions (Unmitigated)

Emissions Source	Pounds per Day			
	ROG	**NO_X**	**PM_{10}**	**$PM_{2.5}$**
Net Project Annual Emissions (tons/year)	4.01	2.03	2.61	0.75
Net Project Annual Emissions (pounds/year)	8,023	4,064	5,226	1,495
Net Project Annual Emissions (pounds/day)	21.98	11.13	14.32	4.10
Thresholds of Significance	**54**	**54**	**82**	**54**
Exceeds Significance Threshold?	No	No	No	No

Notes:
NO_X = oxides of nitrogen
ROG = reactive organic gases
PM_{10} = particulate matter 10 microns or less in aerodynamic diameter
$PM_{2.5}$ = particulate matter 2.5 microns or less in aerodynamic diameter
Source: CalEEMod Output (Appendix A)

As shown in Table 6 and Table 7, the project would not result in operational-related air pollutants or precursors that would exceed BAAQMD's thresholds of significance, indicating that ongoing project operations would not be considered to have the potential to generate a significant quantity of air pollutants.

2.0 CONSTRUCTION HEALTH RISK ASSESSMENT

The purpose of the construction HRA is to assess potential criteria pollutant and health impacts that would result from construction of the proposed project, consistent with guidelines and methodologies from BAAQMD, CARB, OEHHA, and USEPA. Consistent with the methods recommended in those guidelines, the HRA evaluated the estimated excess lifetime cancer risk and $PM_{2.5}$ concentrations associated with diesel exhaust that would be emitted by onsite construction activities and diesel and gasoline exhaust emitted from vehicles associated with trips generated during construction.

Health risks were estimated for sensitive receptors located with 1,000 feet of the project boundary. A sensitive receptor is defined by the BAAQMD as follows, “Facilities or land uses that include members of the population that are particularly sensitive to the effects of air pollutants, such as children, the elderly, and people with illnesses. Examples include schools, hospitals, and residential areas.”

The HRA evaluated diesel particulate matter (DPM) (represented as exhaust $PM_{2.5}$) and $PM_{2.5}$ (exhaust $PM_{2.5}$ and fugitive $PM_{2.5}$) emissions generated during construction of the proposed project and the related health risk impacts for sensitive receptors located within 1,000 feet of the project boundary. According to BAAQMD, a project would result in a significant impact if it would individually expose sensitive receptors to toxic air contaminants (TACs) resulting in an increased cancer risk greater than 10.0 in one million, an increased non-cancer risk of greater than 1.0 on the hazard index (chronic or acute), or an annual average ambient $PM_{2.5}$ increase greater than 0.3 micrograms per liter (µg/m3).

The project site is located within 1,000 feet from existing and planned sensitive receptors, including existing and planned onsite sensitive receptors, that could be exposed to diesel emission exhaust during the construction period. To estimate the potential cancer risk associated with construction of the proposed project from equipment exhaust (including DPM), a dispersion model was used to translate an emission rate from the source location to concentrations at the receptor locations of interest.

2.1 AIR DISPERSION MODELING

This assessment was conducted using CARB exposure methodology with air dispersion modeling performed using the USEPA dispersion model AERMOD. An air dispersion model is a mathematical formulation used to estimate the air quality impacts at specific locations (receptors) surrounding a source of emissions given the rate of emissions and prevailing meteorological conditions. The air dispersion model applied in this assessment was the USEPA AERMOD (version 19191), which is approved by the BAAQMD for air dispersion assessments. Specifically, AERMOD was used to estimate levels of air emissions at sensitive receptor locations from the project’s construction DPM and $PM_{2.5}$ emissions. The use of AERMOD provides a detailed estimate of exhaust concentrations based on site and source geometry, source emissions strength, distance from the source to the receptor, and site-specific meteorological data.

Terrain elevations were obtained for the project site using the AERMAP model, the AERMOD terrain data pre-processor. The air dispersion model assessment was performed using meteorological data from the

San Francisco International Airport, which is located approximately 6.17 miles southeast of the project site.

Figure 2 shows a representation of the modeling parameters for Scenario 1 of seven scenarios, including a 1,000-foot buffer, the project area (construction area source), and modeled roadway segments. The impacts were analyzed for seven scenarios. Scenario 1 analyzed impacts from all phases of construction at existing and planned offsite sensitive receptors within approximately 1,000 feet of the project boundary. The other six scenarios, which are summarized in Table 8, analyze the onsite receptors at existing and proposed locations of sensitive receptors. The sensitive receptors shown in Figure 2 only include offsite sensitive receptors.

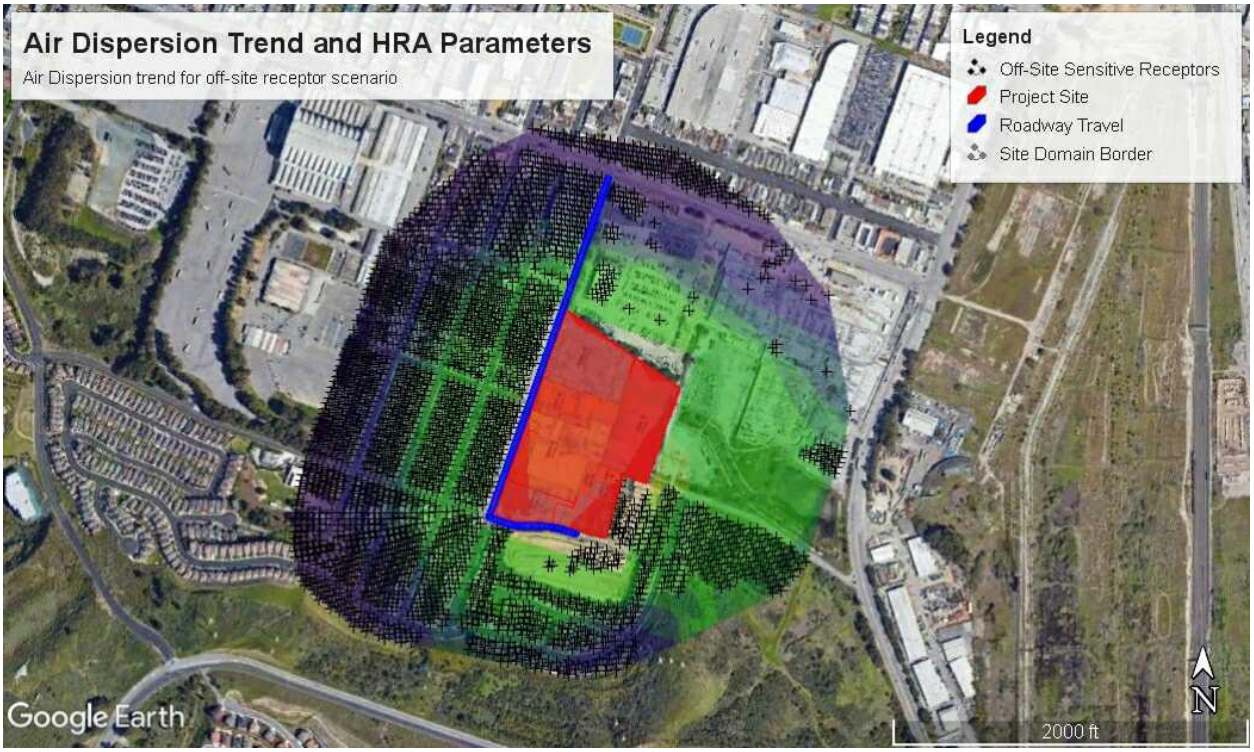

Figure 2: Modeling Parameters (Offsite Sensitive Receptors Scenario)

2.2 PROJECT CONSTRUCTION TOXIC AIR POLLUTANTS

An assessment was made of the potential health impacts to surrounding sensitive receptors resulting from the emissions of TACs during construction. A summary of the assessment is provided below, and a more detailed assessment is provided in Appendix B.

DPM has been identified by CARB as a carcinogenic substance.[2] Major sources of DPM include off-road construction equipment and heavy-duty delivery truck and worker activities.

Existing offsite sensitive receptors and existing and proposed sensitive receptors would be exposed to emissions generated during the demolition and construction activities associated with the proposed project. To provide a complete analysis, impacts were determined for each sensitive receptor scenario. Table 8 provides a description of each scenario analyzed.

Table 8: Summary of Each Scenario Analyzed

Scenario	Description of Scenario
Scenario 1: All Offsite Receptors	All offsite receptors: Exposed to Phases 1, 2, 3, and 4 demolition and Phases 1, 2, 3, and 4 construction
Scenario 2: Existing Phase 2 Receptors	Existing Phase 2 receptors: Exposed to Phase 1 demolition and Phase 1 construction
Scenario 3: Existing Phase 3 Receptors	Existing Phase 3 receptors: Exposed to Phases 1 and 2 demolition and Phases 1 and 2 construction
Scenario 4: Existing Phase 4 Receptors	Existing Phase 4 receptors: Exposed to Phases 1, 2, and 3 demolition and Phases 1, 2, and 3 construction
Scenario 5: New Phase 1 Receptors	New Phase 1 receptors: Exposed to Phases 2, 3, and 4 demolition and Phases 2, 3, and 4 construction
Scenario 6: New Phase 2 Receptors	New Phase 2 receptors: Exposed to Phases 3 and 4 demolition and Phases 3 and 4 construction
Scenario 7: New Phase 3 Receptors	New Phase 3 receptors: Exposed to Phase 4 demolition and Phase 4 construction

Source: Appendix B.

2.3 ESTIMATION OF CONSTRUCTION DPM EMISSIONS

Construction DPM emissions (represented as $PM_{2.5}$ exhaust) were estimated using CalEEMod version 2016.3.2. The construction DPM emissions were assumed to be generated within the project area being constructed in each phase. Because the demolition and construction phasing areas differ, emissions from demolition activities were assumed to be generated with the demolition phasing areas. The demolition phasing areas are shown in Figure 3, and the construction phasing areas are shown in Figure 4. Construction was assumed to occur on a schedule of 8 hours per day and 5 days per week.

[2] California Air Resources Board (CARB). 1998. The Toxic Air Contaminant Identification Process: Toxic Air Contaminant Emissions from Diesel-fueled Engines. Website: www.arb.ca.gov/toxics/dieseltac/factsht1.pdf. Accessed May 7, 2013, and May 26, 2017.

Figure 3: Demolition Phasing

Figure 4: Proposed Construction Phasing

Based on the analysis presented herein, emissions were estimated for the unmitigated scenario and a scenario with clean engines (Tier 4 Final mitigated). Equipment tiers refer to a generation of emission standards established by USEPA and CARB that apply to diesel engines in off-road equipment. The “tier” of an engine depends on the model year and horsepower rating; generally, the newer a piece of equipment is, the greater the tier it is likely to have. Construction exhaust emissions of DPM, both unmitigated and Tier 4 Final mitigated, are shown in Table 9. A detailed breakdown of construction emissions generated in each phase are provided in Appendix B.

Table 9: Project DPM Construction Emissions

Year	Area-source DPM as $PM_{2.5}$ Exhaust (tons/year)	Off-site DPM as $PM_{2.5}$ Exhaust (tons/year)
Unmitigated	0.3821	0.0002
Tier 4 Final Mitigated	0.0543	0.0002

Note: Offsite emissions were adjusted to evaluate localized emissions from the 0.47-mile route within approximately 1,000 feet of the project site.

DPM = diesel particulate matter

$PM_{2.5}$ = particulate matter 2.5 microns or less in aerodynamic diameter

Source: Appendix B

2.4 ESTIMATION OF CANCER RISKS

BAAQMD has developed a set of guidelines for estimating cancer risks that provide adjustment factors including the following:

- Age-sensitivity weighting factors
- Age-specific daily breathing rates
- Age-specific time-at-home factors

The cancer risk adjustment factors used in this construction HRA are provided in Table 10 for infant, child, and adult sensitive receptors.

Table 10: Inhalation Health Risks from Project Construction to Offsite Receptors

Receptor Type	Exposure Frequency		Age Sensitivity Factors (ASF)	Time at Home Factor (TAH) (%)	Daily Breathing Rate (DBR)[1] (L/kg-day)
	Hours/Day	Days/Year			
Third Trimester	24	350	10	85	361
0 to < 2 years	24	350	10	85	1,090
> 2 to 16 years	24	350	3	72	572
> 16 years	24	350	1	73	261

Notes:

[1] The daily breathing rates recommended by the BAAQMD for sensitive/residential receptors assume the 95th percentile breathing rates for all individuals less than 2 years of age and 80th percentile breathing rates for all older individuals.

L/kg-day = liters per kilogram body weight per day

Source: BAAQMD. 2016. Air Toxics New Source Review Program Health Risk Assessment (HRA) Guidelines. Website: http://www.baaqmd.gov/~/media/files/planning-and-research/rules-and-regs/workshops/2016/reg-2-5/hra-guidelines_clean_jan_2016-pdf.pdf?la=en. Accessed December 21, 2019.

2.5 ESTIMATION OF NON-CANCER CHRONIC HAZARDS

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

Risk characterization for non-cancer health hazards from TACs is expressed as a hazard index (HI). The HI is a ratio of the predicted concentration of the project's emissions to a concentration considered acceptable to public health professionals, termed the REL.

To calculate the HI, each chemical concentration or dose is divided by the appropriate toxicity REL. Where the total equals or exceeds one (1), a health hazard is presumed to exist. For purposes of this assessment, the TAC of concern is DPM, for which the OEHHA has defined a REL for DPM of 5 $\mu g/m^3$. The principal toxicological endpoint assumed in this assessment was through inhalation.

2.6 ESTIMATION OF ANNUAL $PM_{2.5}$ CONCENTRATION

BAAQMD's guidance also includes a significance threshold for $PM_{2.5}$ based on studies that show health impacts from exposure to this pollutant. The construction emissions of $PM_{2.5}$ incorporated into this assessment included DPM (as $PM_{2.5}$ exhaust) and fugitive dust.

2.7 PROJECT CONSTRUCTION TOXIC AIR POLLUTANTS—RESULTS

Table 11 shows the Maximum Impacted Sensitive Receptor (MIR) for each scenario analyzed.

Table 11: Maximum Impacted Sensitive Receptor in Each Scenario Analyzed

Phase	Coordinates of Maximum Impacted Sensitive Receptor (Latitude, Longitude)	Description of Maximum Impacted Sensitive Receptor
Scenario 1: All Offsite Receptors	37°42'04.8"N 122°24'46.1"W After mitigation: 37°42'10.1"N 122°24'54.0"W	A planned residential area outside of the project boundary near the corner of Main Street and Linda Vista Drive. An existing single-family residence southwest of Schwerin Street and Partridge Street.
Scenario 2: Existing Phase 2 Receptors	37°42'06.5"N 122°24'47.9"W	An existing residential building located in planned Phase 2.

Phase	Coordinates of Maximum Impacted Sensitive Receptor (Latitude, Longitude)	Description of Maximum Impacted Sensitive Receptor
Scenario 3: Existing Phase 3 Receptors	37°42'09.0"N 122°24'48.1"W, Maximum impacted residential receptor: 37°42'05.5"N 122°24'50.2"W	The highest concentrations in Scenario 3 were estimated to occur at an existing school located in northeast corner of the planned Phase 3 area. The first set of coordinates listed for the Scenario 3 MIR are for this existing school. For the infant scenario, impacts were based on the location where concentrations were highest out of any residential area analyzed in Scenario 3. Therefore, the MIR for the infant scenario was determined to be an existing residence located near the southeast corner of the planned Phase 3.
Scenario 4: Existing Phase 4 Receptors	Unmitigated DPM: 37°42'11.7"N 122°24'48.4"W Other concentrations: 37°42'09.3"N 122°24'54.4"W	An existing residential building located in planned Phase 4, in the northern half of project site. An existing residential building located in planned Phase 4, in the southern half of the project site.
Scenario 5: New Phase 1 Receptors	DPM: 37°42'09.2"N 122°24'47.1"W $PM_{2.5}$: 37°42'08.2"N 122°24'47.5"W	A future residence in planned Phase 1. A future residence in planned Phase 1.
Scenario 6: New Phase 2 Receptors	Unmitigated DPM, Mitigated DPM, and Unmitigated $PM_{2.5}$: 37°42'05.6"N 122°24'49.7"W Mitigated $PM_{2.5}$: 37°42'06.6"N 122°24'49.3"W	A future residence in planned Phase 2 in the southern half of the project site, bordered by Phase 3 to the west. A future residence in planned Phase 2 in the southern half of the project site.
Scenario 7: New Phase 3 Receptors	37°42'05.3"N 122°24'50.6"W	A future residence near the southeastern corner of planned Phase 3.

Notes:
DPM = diesel particulate matter
MIR = Maximum Impacted Sensitive Receptor
Source: Appendix B.

Figures 5 through 13 show the locations of select MIRs listed in Table 11.

Figure 5: Offsite Receptor MIR (Scenario 1)

Figure 6: Offsite Receptor MIR After Mitigation (Scenario 1)

Figure 7: Existing Phase 2 Receptors Scenario MIR (Scenario 2)

Figure 8: Existing Phase 3 Receptors Scenario Non-residential MIR (Scenario 3)

Figure 9: Existing Phase 3 Receptors Scenario Residential MIR (Scenario 3)

Figure 10: Existing Phase 4 Receptors Scenario MIRs (Scenario 4)

Figure 11: New Phase 1 Receptors Scenario MIR (Scenario 5)

Figure 12: New Phase 2 Receptors Scenario MIR (Scenario 6)

Figure 13: New Phase 3 Receptors Scenario MIR (Scenario 7)

Estimation of Health Risks and Hazards from Project Construction After the Implementation of Dust Control Measures Outlined in Standard Condition AIR-1 and Prior to the Implementation Mitigation

Table 12 presents a summary of the project's construction cancer risk, chronic non-cancer hazard, and $PM_{2.5}$ concentration impacts at the MIR prior to the application of any equipment mitigation for each scenario analyzed. As previously discussed, Standard Condition AIR-1 would be required to reduce fugitive dust emissions during construction. Annual $PM_{2.5}$ emissions were estimated assuming compliance with Standard Condition AIR-1. It should be noted that inclusion of Standard Condition AIR-1 only reduces $PM_{2.5}$ total and not $PM_{2.5}$ exhaust.

Table 12: Estimated Health Risks and Hazards during Project Construction – Unmitigated

Scenario	Cancer Risk (risk per million)	Chronic Non-Cancer Hazard Index[2]	Annual $PM_{2.5}$ Concentration ($\mu g/m^3$)
Scenario 1: All Off-site Receptors			
Risks and Hazards at the MIR: Infant[1]	62.10	0.07791	0.5506
Risks and Hazards at the MIR: Child[1]	31.24	0.07791	0.5506

Scenario	Cancer Risk (risk per million)	Chronic Non-Cancer Hazard Index[2]	Annual $PM_{2.5}$ Concentration ($\mu g/m^3$)
Risks and Hazards at the MIR: Adult[1]	3.47	0.07791	0.5506
Scenario 2: Existing Phase 2 Receptors			
Risks and Hazards at the MIR: Infant[1]	49.65	0.09340	0.5911
Risks and Hazards at the MIR: Child[1]	11.21	0.09340	0.5911
Risks and Hazards at the MIR: Adult[1]	1.25	0.09340	0.5911
Scenario 3: Existing Phase 3 Receptors			
Risks and Hazards at the MIR: Infant[1]	54.35	0.06819	0.8452
Risks and Hazards at the MIR: Child[1]	27.34	0.06819	0.8452
Risks and Hazards at the MIR: Adult[1]	3.04	0.06819	0.8452
Scenario 4: Existing Phase 4 Receptors			
Risks and Hazards at the MIR: Infant[1]	91.57	0.11489	0.4904
Risks and Hazards at the MIR: Child[1]	46.07	0.11489	0.4904
Risks and Hazards at the MIR: Adult[1]	5.11	0.11489	0.4904
Scenario 5: New Phase 1 Receptors			
Risks and Hazards at the MIR: Infant[1]	106.28	0.09522	0.6683
Risks and Hazards at the MIR: Child[1]	26.75	0.09522	0.6683
Risks and Hazards at the MIR: Adult[1]	2.97	0.09522	0.6683
Scenario 6: New Phase 2 Receptors			
Risks and Hazards at the MIR: Infant[1]	73.53	0.08857	0.7229
Risks and Hazards at the MIR: Child[1]	13.49	0.08857	0.7229
Risks and Hazards at the MIR: Adult[1]	1.50	0.08857	0.7229
Scenario 7: New Phase 3 Receptors			
Risks and Hazards at the MIR: Infant[1]	30.12	0.03628	0.2328
Risks and Hazards at the MIR: Child[1]	5.43	0.03628	0.2328
Risks and Hazards at the MIR: Adult[1]	0.61	0.03628	0.2328

Scenario	Cancer Risk (risk per million)	Chronic Non-Cancer Hazard Index[2]	Annual $PM_{2.5}$ Concentration ($\mu g/m^3$)
Highest from Any Scenario			
Risks and Hazards at the MIR	106.28	0.11489	0.8452
BAAQMD Thresholds of Significance	10	1	0.30
Exceeds Individual Source Threshold?	Yes	No	Yes

Notes:

[1] The MIR for each scenario analyzed is shown in Table 11.

[2] Chronic non-cancer hazard index was estimated by dividing the annual DPM concentration (as $PM_{2.5}$ exhaust) by the REL of 5 $\mu g/m^3$.

$\mu g/m^3$ = micrograms per liter

MIR = Maximum Impacted Sensitive Receptor

$PM_{2.5}$ = particulate matter 2.5 microns or less in aerodynamic diameter

Source: Appendix B

As shown in Table 12, the project's construction DPM emissions would not exceed BAAQMD's chronic non-cancer hazard index threshold of significance at the MIR in any scenario; however, the project's construction DPM emissions would exceed BAAQMD's cancer risk threshold of significance, and the project's $PM_{2.5}$ emissions would exceed BAAQMD's annual $PM_{2.5}$ threshold of significance in at least one scenario. Therefore, mitigation would be necessary to reduce potentially significant impacts from construction of the proposed project.

Estimation of Health Risks and Hazards from Project Construction After the Implementation of Standard Condition AIR-1 and Recommended Mitigation

As described above, mitigation would be necessary to reduce potentially significant impacts from construction of the proposed project. Mitigation Measure (MM) AIR-1, which requires the use of construction equipment meeting Tier 4 Final standards, is recommended to reduce impacts to sensitive receptors during project construction. MM AIR-1 is detailed below.

MM AIR-1 Either of the following two measures shall be implemented during all phases of construction to reduce potential exposure of DPM and $PM_{2.5}$ emissions to nearby sensitive receptors:

- Prior to the issuance of any demolition, grading, or building permits (whichever occurs earliest), the project applicant and/or construction contractor shall prepare a construction operation plan that requires all off-road equipment with engines greater than 50 horsepower to meet particulate matter emissions standards for Tier 4 Final engines during construction activities. The construction contractor shall maintain records documenting its efforts to comply with this requirement, including equipment lists. Off-road equipment descriptions and information shall include but are not limited to equipment type, equipment manufacturer, equipment identification number, engine

model year, engine certification (Tier rating), horsepower, and engine serial number. The project applicant and/or construction contractor shall submit the construction operations plan and records of compliance to the City.

- Alternatively, in lieu of the Tier 4 Final engines identified above, the construction contractor may use other measures to minimize DPM emissions to reduce the estimated cancer risk below the thresholds. Options could include the use of equipment that includes CARB-certified Level 3 diesel particulate filters, alternatively-fueled equipment (i.e., non-diesel), or use of added exhaust muffling and filtering devices. If any of these alternative measures are proposed, the project applicant and/or construction contractor shall include them in the construction operations plans that include specifications of the equipment to be used during construction. Furthermore, a signed letter by a qualified air quality specialist shall accompany the construction operations plan, which demonstrates that the equipment included in the plan meets the health risk standards set forth in this mitigation measure.

Table 13 presents a summary of the project's construction cancer risk, chronic non-cancer hazard, and $PM_{2.5}$ concentration impacts at the MIR after implementation of MM AIR-1. As previously noted, annual $PM_{2.5}$ emissions were estimated assuming compliance with Standard Condition AIR-1.

Table 13: Estimated Health Risks and Hazards during Project Construction – Mitigated

Scenario	Cancer Risk (risk per million)	Chronic Non-Cancer Hazard Index[2]	Annual $PM_{2.5}$ Concentration ($\mu g/m^3$)
Scenario 1: All Offsite Receptors			
Risks and Hazards at the MIR: Infant[1]	5.96	0.00747	0.01975
Risks and Hazards at the MIR: Child[1]	3.00	0.00747	0.01975
Risks and Hazards at the MIR: Adult[1]	0.33	0.00747	0.01975
Scenario 2: Existing Phase 2 Receptors			
Risks and Hazards at the MIR: Infant[1]	3.36	0.00632	0.1557
Risks and Hazards at the MIR: Child[1]	0.76	0.00632	0.1557
Risks and Hazards at the MIR: Adult[1]	0.084	0.00632	0.1557
Scenario 3: Existing Phase 3 Receptors			
Risks and Hazards at the MIR: Infant[1]	5.13	0.02127	0.2758
Risks and Hazards at the MIR: Child[1]	2.58	0.02127	0.2758
Risks and Hazards at the MIR: Adult[1]	0.287	0.02127	0.2758

Scenario	Cancer Risk (risk per million)	Chronic Non-Cancer Hazard Index[2]	Annual $PM_{2.5}$ Concentration ($\mu g/m^3$)
Scenario 4: Existing Phase 4 Receptors			
Risks and Hazards at the MIR: Infant[1]	5.92	0.00743	0.2138
Risks and Hazards at the MIR: Child[1]	2.98	0.00743	0.2138
Risks and Hazards at the MIR: Adult[1]	0.331	0.00743	0.2138
Scenario 5: New Phase 1 Receptors			
Risks and Hazards at the MIR: Infant[1]	14.89	0.01334	0.2748
Risks and Hazards at the MIR: Child[1]	3.75	0.01334	0.2748
Risks and Hazards at the MIR: Adult[1]	0.416	0.01334	0.2748
Scenario 6: New Phase 2 Receptors			
Risks and Hazards at the MIR: Infant[1]	7.13	0.00859	0.3273
Risks and Hazards at the MIR: Child[1]	1.31	0.00859	0.3273
Risks and Hazards at the MIR: Adult[1]	0.145	0.00859	0.3273
Scenario 7: New Phase 3 Receptors			
Risks and Hazards at the MIR: Infant[1]	2.61	0.00314	0.0671
Risks and Hazards at the MIR: Child[1]	0.48	0.00314	0.0671
Risks and Hazards at the MIR: Adult[1]	0.05	0.00314	0.0671
Highest from Any Scenario			
Maximum Risks and Hazards	14.89	0.02127	0.3273
BAAQMD Thresholds of Significance	**10**	**1**	**0.30**
Exceeds Individual Source Threshold?	Yes	No	Yes

Notes:

[1] The MIR for each scenario analyzed is shown in Table 11.

[2] Chronic non-cancer hazard index was estimated by dividing the annual DPM concentration (as $PM_{2.5}$ exhaust) by the REL of 5 $\mu g/m^3$.

$\mu g/m^3$ = micrograms per liter; BAAQMD = Bay Area Air Quality Management District; DPM = diesel particulate matter;

MIR = Maximum Impacted Sensitive Receptor; PM2.5 = particulate matter 2.5 microns or less in aerodynamic diameter;

REL = reference exposure level

Source: Appendix A

As noted in Table 13, the project would not exceed any applicable significance threshold after application of MM-AIR 1 in Scenarios 1 through 4 or in Scenario 7; however, the project would exceed an applicable threshold in both Scenarios 5 and 6. Specifically, the cancer risk in Scenario 5 would exceed BAAQMD's threshold of 10 in million for the cancer risk health impact and the applicable $PM_{2.5}$ concentration threshold would be exceeded in Scenario 6. As noted in Table 8, Scenario 5 analyzes the health impacts of the sensitive receptors that would occupy Phase 1 of the project, and sensitive receptors would be exposed to emissions from demolition and construction activities associated with Phases 2 through 4 of the project. Scenario 6 analyzes the health impacts of the sensitive receptors that would occupy Phase 2 of the project, and sensitive receptors could be exposed to emissions from demolition and construction activities associated with Phases 3 and 4 of the project. Because Scenarios 5 and 6 are the only scenarios in which an applicable health risk threshold was exceeded, and because Scenarios 5 and 6 include residential development contemplated by the project, additional mitigation is available to further reduce the potential impact. MM-AIR 2, which requires the installation of minimum efficiency reporting value (MERV) 13 filters in proposed residences included in Phases 1 and 2 of the proposed project, is recommended to further reduce this impact.

MM AIR-2 The applicant shall install high efficiency MERV filters with a rating of 13 in the intake of the residential ventilation systems in all residential units that would be included in Phases 1 and 2 of the project. To ensure maintenance and replacement of the MERV filters in the individual units, the owner or property manager shall commit to maintaining and replacing the MERV 13 filters in accordance with the manufacturer's recommendations lasting through the end of all construction associated with the proposed project. A signed commitment letter from the owner/property manager shall be submitted to City prior to the first occupancy of Phase 1 of the project.

Many heating/vacuum/air conditioning (HVAC) filters available in the United States are rated for their particle removal efficiency using a laboratory test procedure described in the American Society of Heating, Refrigerating, and Air Conditioning Engineers Standard 52.2-2012, Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size. Minimum removal efficiency values in these three sized bins are used to assign HVAC filters a single efficiency metric MERV. In general, the higher the MERV for a filter, the greater the removal efficiency for one or more particle size bins. Average values for approximated outdoor-origin $PM_{2.5}$ removal efficiencies for several MERV-rated filters were derived from Stephens, Brennan, and Harriman.[3] Single-pass outdoor-origin $PM_{2.5}$ removal efficiencies range from less than 10 percent for MERV 6 to more than 95 percent for MERV 16 and high-efficiency particulate air (HEPA) filters.

MERV 13 filters would trap particles at an efficiency rate of 60 percent. After the installation and maintenance of an air filtration system rated at MERV 13 per MM AIR-2, the cancer risk from project construction at the MIR (a residence in Phase 1 of the project) would be reduced to approximately 6 per million, and the $PM_{2.5}$ concentrations at the MIR (a sensitive receptor in Phase 2 of the project) would be

[3] Stephens, Brent, Terry Brennan, and Lew Harriman. 2016. Selecting Ventilation Air Filters to Reduce $PM_{2.5}$ Of Outdoor Origin. September. Website: http://www.conforlab.com.br/wp-content/uploads/2016/10/2016Sep_012-021_HarrimanFiltersToReducePM2.5.pdf.

reduced to approximately 0.13 µg/m^3. Table 14 provides a summary of impacts to future residents under Scenario 5 and 6with this additional mitigation.

Table 14: Estimated Health Risks and Hazards during Project Construction – Additional Mitigation

Scenario	Cancer Risk (risk per million)	Chronic Non-Cancer Hazard Index[2]	Annual $PM_{2.5}$ Concentration (µg/m^3)
Scenario 1: All Offsite Receptors			
Risks and Hazards at the MIR: Infant[1]	5.96	0.00747	0.01975
Risks and Hazards at the MIR: Child[1]	3.00	0.00747	0.01975
Risks and Hazards at the MIR: Adult[1]	0.33	0.00747	0.01975
Scenario 2: Existing Phase 2 Receptors			
Risks and Hazards at the MIR: Infant[1]	3.36	0.00632	0.1557
Risks and Hazards at the MIR: Child[1]	0.76	0.00632	0.1557
Risks and Hazards at the MIR: Adult[1]	0.084	0.00632	0.1557
Scenario 3: Existing Phase 3 Receptors			
Risks and Hazards at the MIR: Infant[1]	5.13	0.02127	0.2758
Risks and Hazards at the MIR: Child[1]	2.58	0.02127	0.2758
Risks and Hazards at the MIR: Adult[1]	0.287	0.02127	0.2758
Scenario 4: Existing Phase 4 Receptors			
Risks and Hazards at the MIR: Infant[1]	5.92	0.00743	0.2138
Risks and Hazards at the MIR: Child[1]	2.98	0.00743	0.2138
Risks and Hazards at the MIR: Adult[1]	0.331	0.00743	0.2138
Scenario 5: New Phase 1 Receptors			
Risks and Hazards at the MIR: Infant[1]	5.96	0.00534	0.1099
Risks and Hazards at the MIR: Child[1]	1.50	0.00534	0.1099
Risks and Hazards at the MIR: Adult[1]	0.17	0.00534	0.1099

Scenario	Cancer Risk (risk per million)	Chronic Non-Cancer Hazard Index[2]	Annual $PM_{2.5}$ Concentration ($\mu g/m^3$)
Scenario 6: New Phase 2 Receptors			
Risks and Hazards at the MIR: Infant[1]	2.85	0.00344	0.1309
Risks and Hazards at the MIR: Child[1]	0.52	0.00344	0.1309
Risks and Hazards at the MIR: Adult[1]	0.058	0.00344	0.1309
Scenario 7: New Phase 3 Receptors			
Risks and Hazards at the MIR: Infant[1]	2.61	0.00314	0.0671
Risks and Hazards at the MIR: Child[1]	0.48	0.00314	0.0671
Risks and Hazards at the MIR: Adult[1]	0.05	0.00314	0.0671
Highest from Any Scenario			
Maximum Risks and Hazards	**5.96**	**0.00747**	**0.2758**
BAAQMD Thresholds of Significance	**10**	**1**	**0.30**
Exceeds Individual Source Threshold?	No	No	No

Notes:

[1] The MIR for each scenario analyzed is shown in Table 11.

[2] Chronic non-cancer hazard index was estimated by dividing the annual DPM concentration (as $PM_{2.5}$ exhaust) by the REL of 5 $\mu g/m^3$.

$\mu g/m^3$ = micrograms per liter; BAAQMD = Bay Area Air Quality Management District; DPM = diesel particulate matter; MIR = Maximum Impacted Sensitive Receptor; PM2.5 = particulate matter 2.5 microns or less in aerodynamic diameter; REL = reference exposure level

Source: Appendix A

The health risk impacts to the future residents would be less than the BAAQMD recommended significance thresholds of 10 in a million and 0.3 $\mu g/m^3$, respectively. Therefore, construction of the project would not expose sensitive receptors to substantial pollutant concentrations after the implementation of mitigation. Specifically, Standard Condition AIR-1, MM AIR-1, and MM-2 are recommended to reduce potential impacts during construction.

APPENDIX A

CalEEMod Results

APPENDIX B

Construction Health Risk Assessment Files

APPENDIX A

CalEEMod Results

CalEEMod Output

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Midway Village Project Phase 1 - Unmitigated Demolition
San Mateo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	3.76	Acre	3.76	163,785.60	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	70
Climate Zone	5			**Operational Year**	2021
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	390.65	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Phase 1 Demolition (1/15/2021-02/01/2021)
CO2 intensity factor adjusted based on California's Renewables Energy Portfolio Standard (RPS) Program and PG&E's 2017 power content label.

Land Use - Phase 1 Demolition - Demolition of San Mateo County Housing Authority offices

Construction Phase - Phase 1 Demolition (1/15/2021-02/01/2021)

Trips and VMT - Twelve (12) additional hauling trips added to account for off-site trips associated with transport of off-road construction equipment.
Estimate of additional trips based on two trips per piece of equipment.
106+12=118 total hauling trips

Demolition - Phase 1 Demolition totaling approximately 1,074 tons of debris.

Energy Use -

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	12.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	390.65
tblTripsAndVMT	HaulingTripNumber	106.00	118.00

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					
2021	0.0197	0.2063	0.1392	2.9000e-004	0.0132	9.3700e-003	0.0226	2.2000e-003	8.7000e-003	0.0109	0.0000	25.8153	25.8153	6.3700e-003	0.0000	25.9747
Maximum	**0.0197**	**0.2063**	**0.1392**	**2.9000e-004**	**0.0132**	**9.3700e-003**	**0.0226**	**2.2000e-003**	**8.7000e-003**	**0.0109**	**0.0000**	**25.8153**	**25.8153**	**6.3700e-003**	**0.0000**	**25.9747**

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					
2021	0.0197	0.2063	0.1392	2.9000e-004	6.8700e-003	9.3700e-003	0.0162	1.2400e-003	8.7000e-003	9.9400e-003	0.0000	25.8153	25.8153	6.3700e-003	0.0000	25.9746
Maximum	**0.0197**	**0.2063**	**0.1392**	**2.9000e-004**	**6.8700e-003**	**9.3700e-003**	**0.0162**	**1.2400e-003**	**8.7000e-003**	**9.9400e-003**	**0.0000**	**25.8153**	**25.8153**	**6.3700e-003**	**0.0000**	**25.9746**
	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**	**47.92**	**0.00**	**28.03**	**43.64**	**0.00**	**8.81**	**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	1-15-2021	4-14-2021	0.2424	0.2424
		Highest	0.2424	0.2424

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	1/15/2021	2/1/2021	5	12	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 3.76

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

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	6	15.00	0.00	118.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2021

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					0.0115	0.0000	0.0115	1.7400e-003	0.0000	1.7400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0190	0.1886	0.1294	2.3000e-004		9.3100e-003	9.3100e-003		8.6500e-003	8.6500e-003	0.0000	20.4005	20.4005	5.7400e-003	0.0000	20.5440
Total	**0.0190**	**0.1886**	**0.1294**	**2.3000e-004**	**0.0115**	**9.3100e-003**	**0.0208**	**1.7400e-003**	**8.6500e-003**	**0.0104**	**0.0000**	**20.4005**	**20.4005**	**5.7400e-003**	**0.0000**	**20.5440**

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	5.0000e-004	0.0176	8.2100e-003	5.0000e-005	9.9000e-004	5.0000e-005	1.0400e-003	2.7000e-004	5.0000e-005	3.2000e-004	0.0000	4.8459	4.8459	6.2000e-004	0.0000	4.8614
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	2.3000e-004	1.5000e-004	1.6200e-003	1.0000e-005	7.1000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5690	0.5690	1.0000e-005	0.0000	0.5693
Total	**7.3000e-004**	**0.0177**	**9.8300e-003**	**6.0000e-005**	**1.7000e-003**	**5.0000e-005**	**1.7500e-003**	**4.6000e-004**	**5.0000e-005**	**5.1000e-004**	**0.0000**	**5.4149**	**5.4149**	**6.3000e-004**	**0.0000**	**5.4306**

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					5.1700e-003	0.0000	5.1700e-003	7.8000e-004	0.0000	7.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0190	0.1886	0.1294	2.3000e-004		9.3100e-003	9.3100e-003		8.6500e-003	8.6500e-003	0.0000	20.4005	20.4005	5.7400e-003	0.0000	20.5440
Total	**0.0190**	**0.1886**	**0.1294**	**2.3000e-004**	**5.1700e-003**	**9.3100e-003**	**0.0145**	**7.8000e-004**	**8.6500e-003**	**9.4300e-003**	**0.0000**	**20.4005**	**20.4005**	**5.7400e-003**	**0.0000**	**20.5440**

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	5.0000e-004	0.0176	8.2100e-003	5.0000e-005	9.9000e-004	5.0000e-005	1.0400e-003	2.7000e-004	5.0000e-005	3.2000e-004	0.0000	4.8459	4.8459	6.2000e-004	0.0000	4.8614
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	2.3000e-004	1.5000e-004	1.6200e-003	1.0000e-005	7.1000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5690	0.5690	1.0000e-005	0.0000	0.5693
Total	**7.3000e-004**	**0.0177**	**9.8300e-003**	**6.0000e-005**	**1.7000e-003**	**5.0000e-005**	**1.7500e-003**	**4.6000e-004**	**5.0000e-005**	**5.1000e-004**	**0.0000**	**5.4149**	**5.4149**	**6.3000e-004**	**0.0000**	**5.4306**

Midway Village Project Phase 1 - Unmitigated Construction
San Mateo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	99.91	1000sqft	2.29	99,910.00	0
Apartments Low Rise	149.00	Dwelling Unit	1.47	310,612.00	426

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	70
Climate Zone	5			**Operational Year**	2021
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	390.65	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Phase 1 Construction
CO2 intensity factor adjusted based on California's Renewables Energy Portfolio Standard (RPS) Program and PG&E's 2017 power content label.

Land Use - Phase 1 proposed development based on Project Description dated October 21, 2019.

Construction Phase - Phase 1 conceptual construction schedule consistent with Project Description dated October 21, 2019.
Phase 1 Demolition (1/15/2021-02/01/2021) analyzed in a separate CalEEMod run.

Off-road Equipment - Adjusted building construction equipment usage based on project-specific information.

Off-road Equipment -

Off-road Equipment - Additional grading equipment included based on project-specific information.

Trips and VMT - Additional hauling trips included to account for off-site trips associated with transport of construction equipment. Additional vendor trips added to the paving phase to account for anticipated paving off-site trips.

Demolition - Demolition associated with Phase 1 analyzed in a separate CalEEMod run.

Grading - Material anticipated to be balanced on-site during Phase 1 construction.
No import or export in Phase 1 (43,092 total cubic yards of import for the project accounted for in phases 2 and 4).

Vehicle Trips - Construction run only

Woodstoves - Construction run only

Energy Use -

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

Area Mitigation -

Off-road Equipment -

Off-road Equipment -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	5.00	20.00
tblConstructionPhase	NumDays	8.00	15.00
tblConstructionPhase	NumDays	230.00	175.00
tblConstructionPhase	NumDays	18.00	23.00
tblConstructionPhase	NumDays	18.00	35.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	25.33	0.00
tblLandUse	LandUseSquareFeet	149,000.00	310,612.00
tblLandUse	LotAcreage	9.31	1.47
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Grading

tblOffRoadEquipment	PhaseName		Grading
tblProjectCharacteristics	CO2IntensityFactor	641.35	390.65
tblTripsAndVMT	HaulingTripNumber	0.00	32.00
tblTripsAndVMT	HaulingTripNumber	0.00	32.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

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					
2021	2.4850	2.5004	2.2011	4.8400e-003	0.3601	0.1168	0.4768	0.1597	0.1093	0.2689	0.0000	432.8765	432.8765	0.0766	0.0000	434.7919
Maximum	**2.4850**	**2.5004**	**2.2011**	**4.8400e-003**	**0.3601**	**0.1168**	**0.4768**	**0.1597**	**0.1093**	**0.2689**	**0.0000**	**432.8765**	**432.8765**	**0.0766**	**0.0000**	**434.7919**

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					
2021	2.4850	2.5004	2.2011	4.8400e-003	0.2337	0.1168	0.3504	0.0912	0.1093	0.2004	0.0000	432.8762	432.8762	0.0766	0.0000	434.7915
Maximum	**2.4850**	**2.5004**	**2.2011**	**4.8400e-003**	**0.2337**	**0.1168**	**0.3504**	**0.0912**	**0.1093**	**0.2004**	**0.0000**	**432.8762**	**432.8762**	**0.0766**	**0.0000**	**434.7915**

	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**	**35.10**	**0.00**	**26.51**	**42.91**	**0.00**	**25.47**	**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	1-15-2021	4-14-2021	0.8839	0.8839
2	4-15-2021	7-14-2021	0.7621	0.7621
3	7-15-2021	9-30-2021	0.6850	0.6850
		Highest	0.8839	0.8839

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	2/2/2021	3/1/2021	5	20	
2	Grading	Grading	3/2/2021	3/22/2021	5	15	
3	Building Construction	Building Construction	3/23/2021	11/22/2021	5	175	
4	Paving	Paving	7/1/2021	8/2/2021	5	23	
5	Architectural Coating	Architectural Coating	11/2/2021	12/20/2021	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 7.5

Acres of Paving: 2.29

Residential Indoor: 628,989; Residential Outdoor: 209,663; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Bore/Drill Rigs	1	8.00	221	0.50
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37

Grading	Trenchers	1	8.00	78	0.50
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	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
Site Preparation	7	18.00	0.00	32.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	149.00	32.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	30.00	0.00	32.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2021

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					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0389	0.4050	0.2115	3.8000e-004		0.0204	0.0204		0.0188	0.0188	0.0000	33.4357	33.4357	0.0108	0.0000	33.7061
Total	**0.0389**	**0.4050**	**0.2115**	**3.8000e-004**	**0.1807**	**0.0204**	**0.2011**	**0.0993**	**0.0188**	**0.1181**	**0.0000**	**33.4357**	**33.4357**	**0.0108**	**0.0000**	**33.7061**

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	1.4000e-004	4.7600e-003	2.2300e-003	1.0000e-005	2.7000e-004	1.0000e-005	2.8000e-004	7.0000e-005	1.0000e-005	9.0000e-005	0.0000	1.3141	1.3141	1.7000e-004	0.0000	1.3183
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	4.6000e-004	3.0000e-004	3.2300e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1380	1.1380	2.0000e-005	0.0000	1.1385
Total	**6.0000e-004**	**5.0600e-003**	**5.4600e-003**	**2.0000e-005**	**1.6900e-003**	**2.0000e-005**	**1.7100e-003**	**4.5000e-004**	**2.0000e-005**	**4.8000e-004**	**0.0000**	**2.4521**	**2.4521**	**1.9000e-004**	**0.0000**	**2.4568**

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					0.0813	0.0000	0.0813	0.0447	0.0000	0.0447	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0389	0.4050	0.2115	3.8000e-004		0.0204	0.0204		0.0188	0.0188	0.0000	33.4357	33.4357	0.0108	0.0000	33.7060
Total	**0.0389**	**0.4050**	**0.2115**	**3.8000e-004**	**0.0813**	**0.0204**	**0.1017**	**0.0447**	**0.0188**	**0.0635**	**0.0000**	**33.4357**	**33.4357**	**0.0108**	**0.0000**	**33.7060**

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	1.4000e-004	4.7600e-003	2.2300e-003	1.0000e-005	2.7000e-004	1.0000e-005	2.8000e-004	7.0000e-005	1.0000e-005	9.0000e-005	0.0000	1.3141	1.3141	1.7000e-004	0.0000	1.3183
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	4.6000e-004	3.0000e-004	3.2300e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1380	1.1380	2.0000e-005	0.0000	1.1385
Total	**6.0000e-004**	**5.0600e-003**	**5.4600e-003**	**2.0000e-005**	**1.6900e-003**	**2.0000e-005**	**1.7100e-003**	**4.5000e-004**	**2.0000e-005**	**4.8000e-004**	**0.0000**	**2.4521**	**2.4521**	**1.9000e-004**	**0.0000**	**2.4568**

3.3 Grading - 2021

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					0.0491	0.0000	0.0491	0.0253	0.0000	0.0253	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0220	0.2345	0.1540	3.2000e-004		0.0113	0.0113		0.0104	0.0104	0.0000	27.9702	27.9702	9.0500e-003	0.0000	28.1963
Total	**0.0220**	**0.2345**	**0.1540**	**3.2000e-004**	**0.0491**	**0.0113**	**0.0604**	**0.0253**	**0.0104**	**0.0357**	**0.0000**	**27.9702**	**27.9702**	**9.0500e-003**	**0.0000**	**28.1963**

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	3.8000e-004	2.5000e-004	2.7000e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9483	0.9483	2.0000e-005	0.0000	0.9488
Total	**3.8000e-004**	**2.5000e-004**	**2.7000e-003**	**1.0000e-005**	**1.1800e-003**	**1.0000e-005**	**1.1900e-003**	**3.1000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**0.9483**	**0.9483**	**2.0000e-005**	**0.0000**	**0.9488**

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					0.0221	0.0000	0.0221	0.0114	0.0000	0.0114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0220	0.2345	0.1540	3.2000e-004		0.0113	0.0113		0.0104	0.0104	0.0000	27.9702	27.9702	9.0500e-003	0.0000	28.1963
Total	**0.0220**	**0.2345**	**0.1540**	**3.2000e-004**	**0.0221**	**0.0113**	**0.0334**	**0.0114**	**0.0104**	**0.0218**	**0.0000**	**27.9702**	**27.9702**	**9.0500e-003**	**0.0000**	**28.1963**

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	3.8000e-004	2.5000e-004	2.7000e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9483	0.9483	2.0000e-005	0.0000	0.9488
Total	**3.8000e-004**	**2.5000e-004**	**2.7000e-003**	**1.0000e-005**	**1.1800e-003**	**1.0000e-005**	**1.1900e-003**	**3.1000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**0.9483**	**0.9483**	**2.0000e-005**	**0.0000**	**0.9488**

3.4 Building Construction - 2021

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	0.1520	1.3802	1.2773	2.1200e-003		0.0753	0.0753		0.0710	0.0710	0.0000	181.7832	181.7832	0.0421	0.0000	182.8367
Total	**0.1520**	**1.3802**	**1.2773**	**2.1200e-003**		**0.0753**	**0.0753**		**0.0710**	**0.0710**	**0.0000**	**181.7832**	**181.7832**	**0.0421**	**0.0000**	**182.8367**

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	8.9400e-003	0.2916	0.1252	7.3000e-004	0.0183	6.7000e-004	0.0189	5.2800e-003	6.4000e-004	5.9200e-003	0.0000	73.2769	73.2769	6.3300e-003	0.0000	73.4352
Worker	0.0332	0.0216	0.2343	9.1000e-004	0.1026	6.2000e-004	0.1033	0.0273	5.8000e-004	0.0279	0.0000	82.4245	82.4245	1.5000e-003	0.0000	82.4619
Total	**0.0422**	**0.3132**	**0.3594**	**1.6400e-003**	**0.1209**	**1.2900e-003**	**0.1222**	**0.0326**	**1.2200e-003**	**0.0338**	**0.0000**	**155.7014**	**155.7014**	**7.8300e-003**	**0.0000**	**155.8971**

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	0.1520	1.3802	1.2773	2.1200e-003		0.0753	0.0753		0.0710	0.0710	0.0000	181.7830	181.7830	0.0421	0.0000	182.8365
Total	**0.1520**	**1.3802**	**1.2773**	**2.1200e-003**		**0.0753**	**0.0753**		**0.0710**	**0.0710**	**0.0000**	**181.7830**	**181.7830**	**0.0421**	**0.0000**	**182.8365**

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	8.9400e-003	0.2916	0.1252	7.3000e-004	0.0183	6.7000e-004	0.0189	5.2800e-003	6.4000e-004	5.9200e-003	0.0000	73.2769	73.2769	6.3300e-003	0.0000	73.4352
Worker	0.0332	0.0216	0.2343	9.1000e-004	0.1026	6.2000e-004	0.1033	0.0273	5.8000e-004	0.0279	0.0000	82.4245	82.4245	1.5000e-003	0.0000	82.4619
Total	**0.0422**	**0.3132**	**0.3594**	**1.6400e-003**	**0.1209**	**1.2900e-003**	**0.1222**	**0.0326**	**1.2200e-003**	**0.0338**	**0.0000**	**155.7014**	**155.7014**	**7.8300e-003**	**0.0000**	**155.8971**

3.5 Paving - 2021

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	0.0126	0.1247	0.1410	2.2000e-004		6.6600e-003	6.6600e-003		6.1400e-003	6.1400e-003	0.0000	18.8262	18.8262	5.9200e-003	0.0000	18.9741
Paving	3.0000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0156**	**0.1247**	**0.1410**	**2.2000e-004**		**6.6600e-003**	**6.6600e-003**		**6.1400e-003**	**6.1400e-003**	**0.0000**	**18.8262**	**18.8262**	**5.9200e-003**	**0.0000**	**18.9741**

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	1.5000e-004	4.7900e-003	2.0600e-003	1.0000e-005	3.0000e-004	1.0000e-005	3.1000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	1.2038	1.2038	1.0000e-004	0.0000	1.2064
Worker	5.9000e-004	3.8000e-004	4.1300e-003	2.0000e-005	1.8100e-003	1.0000e-005	1.8200e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.4541	1.4541	3.0000e-005	0.0000	1.4547
Total	**7.4000e-004**	**5.1700e-003**	**6.1900e-003**	**3.0000e-005**	**2.1100e-003**	**2.0000e-005**	**2.1300e-003**	**5.7000e-004**	**2.0000e-005**	**5.9000e-004**	**0.0000**	**2.6579**	**2.6579**	**1.3000e-004**	**0.0000**	**2.6612**

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	0.0126	0.1247	0.1410	2.2000e-004		6.6600e-003	6.6600e-003		6.1400e-003	6.1400e-003	0.0000	18.8262	18.8262	5.9200e-003	0.0000	18.9741
Paving	3.0000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0156**	**0.1247**	**0.1410**	**2.2000e-004**		**6.6600e-003**	**6.6600e-003**		**6.1400e-003**	**6.1400e-003**	**0.0000**	**18.8262**	**18.8262**	**5.9200e-003**	**0.0000**	**18.9741**

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	1.5000e-004	4.7900e-003	2.0600e-003	1.0000e-005	3.0000e-004	1.0000e-005	3.1000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	1.2038	1.2038	1.0000e-004	0.0000	1.2064
Worker	5.9000e-004	3.8000e-004	4.1300e-003	2.0000e-005	1.8100e-003	1.0000e-005	1.8200e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.4541	1.4541	3.0000e-005	0.0000	1.4547
Total	**7.4000e-004**	**5.1700e-003**	**6.1900e-003**	**3.0000e-005**	**2.1100e-003**	**2.0000e-005**	**2.1300e-003**	**5.7000e-004**	**2.0000e-005**	**5.9000e-004**	**0.0000**	**2.6579**	**2.6579**	**1.3000e-004**	**0.0000**	**2.6612**

3.6 Architectural Coating - 2021

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	2.2074					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8300e-003	0.0267	0.0318	5.0000e-005		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003	0.0000	4.4682	4.4682	3.1000e-004	0.0000	4.4759
Total	**2.2112**	**0.0267**	**0.0318**	**5.0000e-005**		**1.6500e-003**	**1.6500e-003**		**1.6500e-003**	**1.6500e-003**	**0.0000**	**4.4682**	**4.4682**	**3.1000e-004**	**0.0000**	**4.4759**

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	1.4000e-004	4.7600e-003	2.2300e-003	1.0000e-005	2.7000e-004	1.0000e-005	2.8000e-004	7.0000e-005	1.0000e-005	9.0000e-005	0.0000	1.3141	1.3141	1.7000e-004	0.0000	1.3183
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	1.3400e-003	8.7000e-004	9.4300e-003	4.0000e-005	4.1300e-003	3.0000e-005	4.1600e-003	1.1000e-003	2.0000e-005	1.1200e-003	0.0000	3.3191	3.3191	6.0000e-005	0.0000	3.3206
Total	**1.4800e-003**	**5.6300e-003**	**0.0117**	**5.0000e-005**	**4.4000e-003**	**4.0000e-005**	**4.4400e-003**	**1.1700e-003**	**3.0000e-005**	**1.2100e-003**	**0.0000**	**4.6333**	**4.6333**	**2.3000e-004**	**0.0000**	**4.6390**

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	2.2074					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8300e-003	0.0267	0.0318	5.0000e-005		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003	0.0000	4.4682	4.4682	3.1000e-004	0.0000	4.4759
Total	**2.2112**	**0.0267**	**0.0318**	**5.0000e-005**		**1.6500e-003**	**1.6500e-003**		**1.6500e-003**	**1.6500e-003**	**0.0000**	**4.4682**	**4.4682**	**3.1000e-004**	**0.0000**	**4.4759**

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	1.4000e-004	4.7600e-003	2.2300e-003	1.0000e-005	2.7000e-004	1.0000e-005	2.8000e-004	7.0000e-005	1.0000e-005	9.0000e-005	0.0000	1.3141	1.3141	1.7000e-004	0.0000	1.3183
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	1.3400e-003	8.7000e-004	9.4300e-003	4.0000e-005	4.1300e-003	3.0000e-005	4.1600e-003	1.1000e-003	2.0000e-005	1.1200e-003	0.0000	3.3191	3.3191	6.0000e-005	0.0000	3.3206
Total	**1.4800e-003**	**5.6300e-003**	**0.0117**	**5.0000e-005**	**4.4000e-003**	**4.0000e-005**	**4.4400e-003**	**1.1700e-003**	**3.0000e-005**	**1.2100e-003**	**0.0000**	**4.6333**	**4.6333**	**2.3000e-004**	**0.0000**	**4.6390**

Midway Village Project Phase 2 - Unmitigated Demolition
San Mateo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	4.05	Acre	4.05	176,418.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	70
Climate Zone	5			**Operational Year**	2023
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	390.65	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Project Characteristics - Phase 2 Demolition (09/01/2023-10/05/2023)
CO2 intensity factor adjusted based on California's Renewables Energy Portfolio Standard (RPS) Program and PG&E's 2017 power content label.

Land Use - Phase 2 Demolition

Construction Phase - Phase 2 Demolition (09/01/2023-10/05/2023)

Trips and VMT - Twelve (12) additional hauling trips added to account for off-site trips associated with transport of off-road construction equipment.
459+12=471 total hauling trips
Demolition - Phase 2 Demolition totaling approximately 4,644 tons of debris.

Energy Use -

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	25.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	390.65
tblTripsAndVMT	HaulingTripNumber	459.00	471.00

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	0.0302	0.3137	0.2826	6.7000e-004	0.0551	0.0126	0.0677	9.0000e-003	0.0117	0.0207	0.0000	61.8621	61.8621	0.0144	0.0000	62.2227
Maximum	**0.0302**	**0.3137**	**0.2826**	**6.7000e-004**	**0.0551**	**0.0126**	**0.0677**	**9.0000e-003**	**0.0117**	**0.0207**	**0.0000**	**61.8621**	**61.8621**	**0.0144**	**0.0000**	**62.2227**

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	0.0302	0.3137	0.2826	6.7000e-004	0.0278	0.0126	0.0403	4.8600e-003	0.0117	0.0166	0.0000	61.8621	61.8621	0.0144	0.0000	62.2226
Maximum	**0.0302**	**0.3137**	**0.2826**	**6.7000e-004**	**0.0278**	**0.0126**	**0.0403**	**4.8600e-003**	**0.0117**	**0.0166**	**0.0000**	**61.8621**	**61.8621**	**0.0144**	**0.0000**	**62.2226**

	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**	**49.59**	**0.00**	**40.39**	**46.00**	**0.00**	**20.01**	**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	9-1-2023	9-30-2023	0.2939	0.2939
		Highest	0.2939	0.2939

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	9/1/2023	10/5/2023	5	25	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.05

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

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	6	15.00	0.00	471.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 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					
Fugitive Dust					0.0497	0.0000	0.0497	7.5200e-003	0.0000	7.5200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0284	0.2686	0.2455	4.9000e-004		0.0125	0.0125		0.0116	0.0116	0.0000	42.4901	42.4901	0.0119	0.0000	42.7876
Total	**0.0284**	**0.2686**	**0.2455**	**4.9000e-004**	**0.0497**	**0.0125**	**0.0622**	**7.5200e-003**	**0.0116**	**0.0191**	**0.0000**	**42.4901**	**42.4901**	**0.0119**	**0.0000**	**42.7876**

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	1.3900e-003	0.0449	0.0342	1.7000e-004	3.9400e-003	9.0000e-005	4.0300e-003	1.0800e-003	8.0000e-005	1.1700e-003	0.0000	18.2731	18.2731	2.5000e-003	0.0000	18.3357
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	4.3000e-004	2.5000e-004	2.9200e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4800e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.0989	1.0989	2.0000e-005	0.0000	1.0994
Total	**1.8200e-003**	**0.0451**	**0.0371**	**1.8000e-004**	**5.4200e-003**	**1.0000e-004**	**5.5100e-003**	**1.4700e-003**	**9.0000e-005**	**1.5700e-003**	**0.0000**	**19.3721**	**19.3721**	**2.5200e-003**	**0.0000**	**19.4351**

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					0.0224	0.0000	0.0224	3.3900e-003	0.0000	3.3900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0284	0.2686	0.2455	4.9000e-004		0.0125	0.0125		0.0116	0.0116	0.0000	42.4900	42.4900	0.0119	0.0000	42.7875
Total	**0.0284**	**0.2686**	**0.2455**	**4.9000e-004**	**0.0224**	**0.0125**	**0.0348**	**3.3900e-003**	**0.0116**	**0.0150**	**0.0000**	**42.4900**	**42.4900**	**0.0119**	**0.0000**	**42.7875**

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	1.3900e-003	0.0449	0.0342	1.7000e-004	3.9400e-003	9.0000e-005	4.0300e-003	1.0800e-003	8.0000e-005	1.1700e-003	0.0000	18.2731	18.2731	2.5000e-003	0.0000	18.3357
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	4.3000e-004	2.5000e-004	2.9200e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4800e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.0989	1.0989	2.0000e-005	0.0000	1.0994
Total	**1.8200e-003**	**0.0451**	**0.0371**	**1.8000e-004**	**5.4200e-003**	**1.0000e-004**	**5.5100e-003**	**1.4700e-003**	**9.0000e-005**	**1.5700e-003**	**0.0000**	**19.3721**	**19.3721**	**2.5200e-003**	**0.0000**	**19.4351**

Midway Village Project Phase 2 - Unmitigated Construction
San Mateo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	48.52	1000sqft	1.11	48,525.00	0
Apartments Low Rise	148.00	Dwelling Unit	1.54	153,265.00	423

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	70
Climate Zone	5			**Operational Year**	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	390.65	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Phase 2 Construction
CO2 intensity factor adjusted based on California's Renewables Energy Portfolio Standard (RPS) Program and PG&E's 2017 power content label.

Land Use - Phase 2 proposed development based on Project Description dated October 21, 2019.

Construction Phase - Phase 2 conceptual construction schedule consistent with Project Description dated October 21, 2019.
Phase 2 Demolition (09/01/2023-10/05/2023) analyzed in a separate CalEEMod run.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Additional grading equipment included based on project-specific information

Off-road Equipment -

Trips and VMT - Additional hauling trips to account for transport of construction equipment based on two (2) trips per piece of off-road construction equipment. Additional vendor trips included to account for anticipated paving off-site trips.

Demolition - Demolition associated with Phase 2 analyzed in a separate CalEEMod run.

Grading - Approximately 12,611 cubic yards to be imported in Phase 2 (43,092 total cubic yards of import for the project anticipated; 12,611 cubic yards in Phase 2 and 30,481 cubic yards in Phase 4)

Architectural Coating -

Vehicle Trips - Construction run only

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - Construction run only

Area Coating -

Energy Use -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

Area Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	3.00	28.00
tblConstructionPhase	NumDays	6.00	16.00
tblConstructionPhase	NumDays	220.00	155.00
tblConstructionPhase	NumDays	10.00	35.00

tblConstructionPhase	NumDays	10.00	38.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	25.16	0.00
tblGrading	MaterialImported	0.00	12,611.00
tblLandUse	LandUseSquareFeet	48,520.00	48,525.00
tblLandUse	LandUseSquareFeet	148,000.00	153,265.00
tblLandUse	LotAcreage	9.25	1.54
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Grading
tblProjectCharacteristics	CO2IntensityFactor	641.35	390.65
tblTripsAndVMT	HaulingTripNumber	0.00	24.00
tblTripsAndVMT	HaulingTripNumber	0.00	24.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

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	0.0469	0.5731	0.4323	1.3800e-003	0.0953	0.0175	0.1128	0.0349	0.0162	0.0511	0.0000	130.7923	130.7923	0.0277	0.0000	131.4851
2024	1.2524	1.2591	1.5058	3.3000e-003	0.0915	0.0483	0.1397	0.0246	0.0460	0.0706	0.0000	287.9446	287.9446	0.0424	0.0000	289.0041
Maximum	**1.2524**	**1.2591**	**1.5058**	**3.3000e-003**	**0.0953**	**0.0483**	**0.1397**	**0.0349**	**0.0460**	**0.0706**	**0.0000**	**287.9446**	**287.9446**	**0.0424**	**0.0000**	**289.0041**

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	0.0469	0.5731	0.4323	1.3800e-003	0.0538	0.0175	0.0713	0.0187	0.0162	0.0349	0.0000	130.7922	130.7922	0.0277	0.0000	131.4850
2024	1.2524	1.2591	1.5058	3.3000e-003	0.0915	0.0483	0.1397	0.0246	0.0460	0.0706	0.0000	287.9444	287.9444	0.0424	0.0000	289.0039
Maximum	**1.2524**	**1.2591**	**1.5058**	**3.3000e-003**	**0.0915**	**0.0483**	**0.1397**	**0.0246**	**0.0460**	**0.0706**	**0.0000**	**287.9444**	**287.9444**	**0.0424**	**0.0000**	**289.0039**

	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**	**22.22**	**0.00**	**16.42**	**27.22**	**0.00**	**13.31**	**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	**9-1-2023**	**11-30-2023**	0.2933	0.2933
2	**12-1-2023**	**2-29-2024**	0.6995	0.6995
3	**3-1-2024**	**5-31-2024**	0.5485	0.5485
4	**6-1-2024**	**8-31-2024**	1.0931	1.0931
5	**9-1-2024**	**9-30-2024**	0.5260	0.5260
		Highest	1.0931	1.0931

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	10/15/2023	11/22/2023	5	28	
2	Grading	Grading	11/26/2023	12/18/2023	5	16	
3	Building Construction	Building Construction	12/20/2023	7/23/2024	5	155	
4	Paving	Paving	6/1/2024	7/20/2024	5	35	
5	Architectural Coating	Architectural Coating	8/3/2024	9/25/2024	5	38	

Acres of Grading (Site Preparation Phase): 42

Acres of Grading (Grading Phase): 8

Acres of Paving: 1.11

Residential Indoor: 310,362; Residential Outdoor: 103,454; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Bore/Drill Rigs	1	8.00	221	0.50
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Grading	Trenchers	1	8.00	78	0.50
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	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
Site Preparation	3	8.00	0.00	24.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	1,576.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	127.00	24.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	25.00	0.00	24.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 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					
Fugitive Dust					0.0223	0.0000	0.0223	2.4000e-003	0.0000	2.4000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0182	0.1999	0.1370	3.4000e-004		7.5900e-003	7.5900e-003		6.9800e-003	6.9800e-003	0.0000	30.1622	30.1622	9.7600e-003	0.0000	30.4060
Total	**0.0182**	**0.1999**	**0.1370**	**3.4000e-004**	**0.0223**	**7.5900e-003**	**0.0299**	**2.4000e-003**	**6.9800e-003**	**9.3800e-003**	**0.0000**	**30.1622**	**30.1622**	**9.7600e-003**	**0.0000**	**30.4060**

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	7.0000e-005	2.2900e-003	1.7400e-003	1.0000e-005	2.0000e-004	0.0000	2.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.9311	0.9311	1.3000e-004	0.0000	0.9343
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	2.6000e-004	1.5000e-004	1.7400e-003	1.0000e-005	8.8000e-004	1.0000e-005	8.9000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.6564	0.6564	1.0000e-005	0.0000	0.6567
Total	**3.3000e-004**	**2.4400e-003**	**3.4800e-003**	**2.0000e-005**	**1.0800e-003**	**1.0000e-005**	**1.1000e-003**	**2.9000e-004**	**0.0000**	**3.0000e-004**	**0.0000**	**1.5875**	**1.5875**	**1.4000e-004**	**0.0000**	**1.5910**

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					0.0100	0.0000	0.0100	1.0800e-003	0.0000	1.0800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0182	0.1999	0.1370	3.4000e-004		7.5900e-003	7.5900e-003		6.9800e-003	6.9800e-003	0.0000	30.1621	30.1621	9.7600e-003	0.0000	30.4060
Total	**0.0182**	**0.1999**	**0.1370**	**3.4000e-004**	**0.0100**	**7.5900e-003**	**0.0176**	**1.0800e-003**	**6.9800e-003**	**8.0600e-003**	**0.0000**	**30.1621**	**30.1621**	**9.7600e-003**	**0.0000**	**30.4060**

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	7.0000e-005	2.2900e-003	1.7400e-003	1.0000e-005	2.0000e-004	0.0000	2.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.9311	0.9311	1.3000e-004	0.0000	0.9343
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	2.6000e-004	1.5000e-004	1.7400e-003	1.0000e-005	8.8000e-004	1.0000e-005	8.9000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.6564	0.6564	1.0000e-005	0.0000	0.6567
Total	**3.3000e-004**	**2.4400e-003**	**3.4800e-003**	**2.0000e-005**	**1.0800e-003**	**1.0000e-005**	**1.1000e-003**	**2.9000e-004**	**0.0000**	**3.0000e-004**	**0.0000**	**1.5875**	**1.5875**	**1.4000e-004**	**0.0000**	**1.5910**

3.3 Grading - 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					
Fugitive Dust					0.0531	0.0000	0.0531	0.0271	0.0000	0.0271	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0152	0.1579	0.1066	2.7000e-004		7.1600e-003	7.1600e-003		6.5800e-003	6.5800e-003	0.0000	23.5013	23.5013	7.6000e-003	0.0000	23.6913
Total	**0.0152**	**0.1579**	**0.1066**	**2.7000e-004**	**0.0531**	**7.1600e-003**	**0.0603**	**0.0271**	**6.5800e-003**	**0.0336**	**0.0000**	**23.5013**	**23.5013**	**7.6000e-003**	**0.0000**	**23.6913**

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	4.6400e-003	0.1501	0.1144	5.9000e-004	0.0132	3.0000e-004	0.0135	3.6300e-003	2.8000e-004	3.9100e-003	0.0000	61.1432	61.1432	8.3800e-003	0.0000	61.3526
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	2.7000e-004	1.6000e-004	1.8700e-003	1.0000e-005	9.4000e-004	1.0000e-005	9.5000e-004	2.5000e-004	1.0000e-005	2.6000e-004	0.0000	0.7033	0.7033	1.0000e-005	0.0000	0.7036
Total	**4.9100e-003**	**0.1503**	**0.1163**	**6.0000e-004**	**0.0141**	**3.1000e-004**	**0.0144**	**3.8800e-003**	**2.9000e-004**	**4.1700e-003**	**0.0000**	**61.8465**	**61.8465**	**8.3900e-003**	**0.0000**	**62.0562**

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					0.0239	0.0000	0.0239	0.0122	0.0000	0.0122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0152	0.1579	0.1066	2.7000e-004		7.1600e-003	7.1600e-003		6.5800e-003	6.5800e-003	0.0000	23.5013	23.5013	7.6000e-003	0.0000	23.6913
Total	**0.0152**	**0.1579**	**0.1066**	**2.7000e-004**	**0.0239**	**7.1600e-003**	**0.0311**	**0.0122**	**6.5800e-003**	**0.0188**	**0.0000**	**23.5013**	**23.5013**	**7.6000e-003**	**0.0000**	**23.6913**

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	4.6400e-003	0.1501	0.1144	5.9000e-004	0.0132	3.0000e-004	0.0135	3.6300e-003	2.8000e-004	3.9100e-003	0.0000	61.1432	61.1432	8.3800e-003	0.0000	61.3526
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	2.7000e-004	1.6000e-004	1.8700e-003	1.0000e-005	9.4000e-004	1.0000e-005	9.5000e-004	2.5000e-004	1.0000e-005	2.6000e-004	0.0000	0.7033	0.7033	1.0000e-005	0.0000	0.7036
Total	**4.9100e-003**	**0.1503**	**0.1163**	**6.0000e-004**	**0.0141**	**3.1000e-004**	**0.0144**	**3.8800e-003**	**2.9000e-004**	**4.1700e-003**	**0.0000**	**61.8465**	**61.8465**	**8.3900e-003**	**0.0000**	**62.0562**

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	6.8500e-003	0.0545	0.0569	1.0000e-004		2.4500e-003	2.4500e-003		2.3500e-003	2.3500e-003	0.0000	8.3081	8.3081	1.5700e-003	0.0000	8.3474
Total	**6.8500e-003**	**0.0545**	**0.0569**	**1.0000e-004**		**2.4500e-003**	**2.4500e-003**		**2.3500e-003**	**2.3500e-003**	**0.0000**	**8.3081**	**8.3081**	**1.5700e-003**	**0.0000**	**8.3474**

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	2.3000e-004	7.3800e-003	4.2200e-003	2.0000e-005	6.3000e-004	1.0000e-005	6.4000e-004	1.8000e-004	1.0000e-005	1.9000e-004	0.0000	2.4094	2.4094	2.1000e-004	0.0000	2.4147
Worker	1.1600e-003	6.9000e-004	7.9100e-003	3.0000e-005	4.0000e-003	2.0000e-005	4.0200e-003	1.0600e-003	2.0000e-005	1.0900e-003	0.0000	2.9774	2.9774	5.0000e-005	0.0000	2.9786
Total	**1.3900e-003**	**8.0700e-003**	**0.0121**	**5.0000e-005**	**4.6300e-003**	**3.0000e-005**	**4.6600e-003**	**1.2400e-003**	**3.0000e-005**	**1.2800e-003**	**0.0000**	**5.3867**	**5.3867**	**2.6000e-004**	**0.0000**	**5.3932**

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	6.8500e-003	0.0545	0.0569	1.0000e-004		2.4500e-003	2.4500e-003		2.3500e-003	2.3500e-003	0.0000	8.3081	8.3081	1.5700e-003	0.0000	8.3474
Total	**6.8500e-003**	**0.0545**	**0.0569**	**1.0000e-004**		**2.4500e-003**	**2.4500e-003**		**2.3500e-003**	**2.3500e-003**	**0.0000**	**8.3081**	**8.3081**	**1.5700e-003**	**0.0000**	**8.3474**

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	2.3000e-004	7.3800e-003	4.2200e-003	2.0000e-005	6.3000e-004	1.0000e-005	6.4000e-004	1.8000e-004	1.0000e-005	1.9000e-004	0.0000	2.4094	2.4094	2.1000e-004	0.0000	2.4147
Worker	1.1600e-003	6.9000e-004	7.9100e-003	3.0000e-005	4.0000e-003	2.0000e-005	4.0200e-003	1.0600e-003	2.0000e-005	1.0900e-003	0.0000	2.9774	2.9774	5.0000e-005	0.0000	2.9786
Total	**1.3900e-003**	**8.0700e-003**	**0.0121**	**5.0000e-005**	**4.6300e-003**	**3.0000e-005**	**4.6600e-003**	**1.2400e-003**	**3.0000e-005**	**1.2800e-003**	**0.0000**	**5.3867**	**5.3867**	**2.6000e-004**	**0.0000**	**5.3932**

3.4 Building Construction - 2024

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	0.1174	0.9425	1.0364	1.8400e-003		0.0396	0.0396		0.0379	0.0379	0.0000	152.6697	152.6697	0.0284	0.0000	153.3806
Total	**0.1174**	**0.9425**	**1.0364**	**1.8400e-003**		**0.0396**	**0.0396**		**0.0379**	**0.0379**	**0.0000**	**152.6697**	**152.6697**	**0.0284**	**0.0000**	**153.3806**

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	4.0700e-003	0.1318	0.0787	4.4000e-004	0.0115	1.8000e-004	0.0117	3.3300e-003	1.7000e-004	3.5000e-003	0.0000	43.8750	43.8750	3.9300e-003	0.0000	43.9732
Worker	0.0204	0.0116	0.1358	5.8000e-004	0.0735	4.3000e-004	0.0739	0.0196	3.9000e-004	0.0200	0.0000	52.5816	52.5816	7.9000e-004	0.0000	52.6014
Total	**0.0245**	**0.1433**	**0.2145**	**1.0200e-003**	**0.0850**	**6.1000e-004**	**0.0856**	**0.0229**	**5.6000e-004**	**0.0235**	**0.0000**	**96.4565**	**96.4565**	**4.7200e-003**	**0.0000**	**96.5746**

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	0.1174	0.9425	1.0364	1.8400e-003		0.0396	0.0396		0.0379	0.0379	0.0000	152.6696	152.6696	0.0284	0.0000	153.3804
Total	**0.1174**	**0.9425**	**1.0364**	**1.8400e-003**		**0.0396**	**0.0396**		**0.0379**	**0.0379**	**0.0000**	**152.6696**	**152.6696**	**0.0284**	**0.0000**	**153.3804**

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	4.0700e-003	0.1318	0.0787	4.4000e-004	0.0115	1.8000e-004	0.0117	3.3300e-003	1.7000e-004	3.5000e-003	0.0000	43.8750	43.8750	3.9300e-003	0.0000	43.9732
Worker	0.0204	0.0116	0.1358	5.8000e-004	0.0735	4.3000e-004	0.0739	0.0196	3.9000e-004	0.0200	0.0000	52.5816	52.5816	7.9000e-004	0.0000	52.6014
Total	**0.0245**	**0.1433**	**0.2145**	**1.0200e-003**	**0.0850**	**6.1000e-004**	**0.0856**	**0.0229**	**5.6000e-004**	**0.0235**	**0.0000**	**96.4565**	**96.4565**	**4.7200e-003**	**0.0000**	**96.5746**

3.5 Paving - 2024

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	0.0147	0.1418	0.2049	3.1000e-004		6.9200e-003	6.9200e-003		6.3900e-003	6.3900e-003	0.0000	27.1507	27.1507	8.6000e-003	0.0000	27.3658
Paving	1.4500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0162**	**0.1418**	**0.2049**	**3.1000e-004**		**6.9200e-003**	**6.9200e-003**		**6.3900e-003**	**6.3900e-003**	**0.0000**	**27.1507**	**27.1507**	**8.6000e-003**	**0.0000**	**27.3658**

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	1.6000e-004	5.2300e-003	3.1200e-003	2.0000e-005	4.6000e-004	1.0000e-005	4.6000e-004	1.3000e-004	1.0000e-005	1.4000e-004	0.0000	1.7411	1.7411	1.6000e-004	0.0000	1.7450
Worker	5.7000e-004	3.2000e-004	3.8200e-003	2.0000e-005	2.0700e-003	1.0000e-005	2.0800e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.4787	1.4787	2.0000e-005	0.0000	1.4792
Total	**7.3000e-004**	**5.5500e-003**	**6.9400e-003**	**4.0000e-005**	**2.5300e-003**	**2.0000e-005**	**2.5400e-003**	**6.8000e-004**	**2.0000e-005**	**7.0000e-004**	**0.0000**	**3.2197**	**3.2197**	**1.8000e-004**	**0.0000**	**3.2242**

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	0.0147	0.1418	0.2049	3.1000e-004		6.9200e-003	6.9200e-003		6.3900e-003	6.3900e-003	0.0000	27.1507	27.1507	8.6000e-003	0.0000	27.3658
Paving	1.4500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0162**	**0.1418**	**0.2049**	**3.1000e-004**		**6.9200e-003**	**6.9200e-003**		**6.3900e-003**	**6.3900e-003**	**0.0000**	**27.1507**	**27.1507**	**8.6000e-003**	**0.0000**	**27.3658**

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	1.6000e-004	5.2300e-003	3.1200e-003	2.0000e-005	4.6000e-004	1.0000e-005	4.6000e-004	1.3000e-004	1.0000e-005	1.4000e-004	0.0000	1.7411	1.7411	1.6000e-004	0.0000	1.7450
Worker	5.7000e-004	3.2000e-004	3.8200e-003	2.0000e-005	2.0700e-003	1.0000e-005	2.0800e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.4787	1.4787	2.0000e-005	0.0000	1.4792
Total	**7.3000e-004**	**5.5500e-003**	**6.9400e-003**	**4.0000e-005**	**2.5300e-003**	**2.0000e-005**	**2.5400e-003**	**6.8000e-004**	**2.0000e-005**	**7.0000e-004**	**0.0000**	**3.2197**	**3.2197**	**1.8000e-004**	**0.0000**	**3.2242**

3.6 Architectural Coating - 2024

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	1.0890					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4300e-003	0.0232	0.0344	6.0000e-005		1.1600e-003	1.1600e-003		1.1600e-003	1.1600e-003	0.0000	4.8512	4.8512	2.7000e-004	0.0000	4.8580
Total	**1.0925**	**0.0232**	**0.0344**	**6.0000e-005**		**1.1600e-003**	**1.1600e-003**		**1.1600e-003**	**1.1600e-003**	**0.0000**	**4.8512**	**4.8512**	**2.7000e-004**	**0.0000**	**4.8580**

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	7.0000e-005	2.1900e-003	1.8100e-003	1.0000e-005	2.0000e-004	0.0000	2.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.9210	0.9210	1.3000e-004	0.0000	0.9242
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	1.0400e-003	5.9000e-004	6.9100e-003	3.0000e-005	3.7400e-003	2.0000e-005	3.7600e-003	1.0000e-003	2.0000e-005	1.0100e-003	0.0000	2.6757	2.6757	4.0000e-005	0.0000	2.6767
Total	**1.1100e-003**	**2.7800e-003**	**8.7200e-003**	**4.0000e-005**	**3.9400e-003**	**2.0000e-005**	**3.9700e-003**	**1.0600e-003**	**2.0000e-005**	**1.0700e-003**	**0.0000**	**3.5967**	**3.5967**	**1.7000e-004**	**0.0000**	**3.6009**

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	1.0890					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4300e-003	0.0232	0.0344	6.0000e-005		1.1600e-003	1.1600e-003		1.1600e-003	1.1600e-003	0.0000	4.8512	4.8512	2.7000e-004	0.0000	4.8580
Total	**1.0925**	**0.0232**	**0.0344**	**6.0000e-005**		**1.1600e-003**	**1.1600e-003**		**1.1600e-003**	**1.1600e-003**	**0.0000**	**4.8512**	**4.8512**	**2.7000e-004**	**0.0000**	**4.8580**

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	7.0000e-005	2.1900e-003	1.8100e-003	1.0000e-005	2.0000e-004	0.0000	2.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.9210	0.9210	1.3000e-004	0.0000	0.9242
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	1.0400e-003	5.9000e-004	6.9100e-003	3.0000e-005	3.7400e-003	2.0000e-005	3.7600e-003	1.0000e-003	2.0000e-005	1.0100e-003	0.0000	2.6757	2.6757	4.0000e-005	0.0000	2.6767
Total	**1.1100e-003**	**2.7800e-003**	**8.7200e-003**	**4.0000e-005**	**3.9400e-003**	**2.0000e-005**	**3.9700e-003**	**1.0600e-003**	**2.0000e-005**	**1.0700e-003**	**0.0000**	**3.5967**	**3.5967**	**1.7000e-004**	**0.0000**	**3.6009**

Midway Village Project Phase 3 - Unmitigated Demolition
San Mateo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	4.71	Acre	4.71	205,167.60	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	70
Climate Zone	5			**Operational Year**	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	390.65	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Phase 3 Demolition (07/10/2025-09/03/2025)
CO2 intensity factor adjusted based on California's Renewables Energy Portfolio Standard (RPS) Program and PG&E's 2017 power content label.

Land Use - Phase 3 Demolition

Construction Phase - Phase 3 Demolition (07/10/2025-09/03/2025)

Trips and VMT - Twelve (12) additional hauling trips added to account for off-site trips associated with transport of off-road construction equipment. 753+12=765 total hauling trips

Demolition - Phase 3 Demolition totaling approximately 7,619 tons of debris.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Energy Use -

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	40.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	390.65
tblTripsAndVMT	HaulingTripNumber	753.00	765.00

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					
2025	0.0447	0.4515	0.4523	1.0700e-003	0.0903	0.0172	0.1075	0.0147	0.0160	0.0307	0.0000	98.6589	98.6589	0.0232	0.0000	99.2394
Maximum	**0.0447**	**0.4515**	**0.4523**	**1.0700e-003**	**0.0903**	**0.0172**	**0.1075**	**0.0147**	**0.0160**	**0.0307**	**0.0000**	**98.6589**	**98.6589**	**0.0232**	**0.0000**	**99.2394**

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					
2025	0.0447	0.4515	0.4523	1.0700e-003	0.0455	0.0172	0.0627	7.9400e-003	0.0160	0.0239	0.0000	98.6588	98.6588	0.0232	0.0000	99.2393
Maximum	**0.0447**	**0.4515**	**0.4523**	**1.0700e-003**	**0.0455**	**0.0172**	**0.0627**	**7.9400e-003**	**0.0160**	**0.0239**	**0.0000**	**98.6588**	**98.6588**	**0.0232**	**0.0000**	**99.2393**

	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	49.66	0.00	41.72	46.10	0.00	22.11	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	7-10-2025	9-30-2025	0.4946	0.4946
		Highest	0.4946	0.4946

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	7/10/2025	9/3/2025	5	40	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.71

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

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	6	15.00	0.00	765.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2025

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					0.0815	0.0000	0.0815	0.0123	0.0000	0.0123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0419	0.3839	0.3884	7.8000e-004		0.0171	0.0171		0.0158	0.0158	0.0000	67.9953	67.9953	0.0190	0.0000	68.4700
Total	**0.0419**	**0.3839**	**0.3884**	**7.8000e-004**	**0.0815**	**0.0171**	**0.0986**	**0.0123**	**0.0158**	**0.0282**	**0.0000**	**67.9953**	**67.9953**	**0.0190**	**0.0000**	**68.4700**

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	2.2000e-003	0.0672	0.0598	2.8000e-004	6.4100e-003	1.3000e-004	6.5400e-003	1.7600e-003	1.3000e-004	1.8900e-003	0.0000	29.0413	29.0413	4.2100e-003	0.0000	29.1466
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	6.3000e-004	3.4000e-004	4.0700e-003	2.0000e-005	2.3600e-003	1.0000e-005	2.3800e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.6223	1.6223	2.0000e-005	0.0000	1.6229
Total	**2.8300e-003**	**0.0675**	**0.0639**	**3.0000e-004**	**8.7700e-003**	**1.4000e-004**	**8.9200e-003**	**2.3900e-003**	**1.4000e-004**	**2.5300e-003**	**0.0000**	**30.6636**	**30.6636**	**4.2300e-003**	**0.0000**	**30.7694**

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					0.0367	0.0000	0.0367	5.5500e-003	0.0000	5.5500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0419	0.3839	0.3884	7.8000e-004		0.0171	0.0171		0.0158	0.0158	0.0000	67.9952	67.9952	0.0190	0.0000	68.4699
Total	**0.0419**	**0.3839**	**0.3884**	**7.8000e-004**	**0.0367**	**0.0171**	**0.0537**	**5.5500e-003**	**0.0158**	**0.0214**	**0.0000**	**67.9952**	**67.9952**	**0.0190**	**0.0000**	**68.4699**

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	2.2000e-003	0.0672	0.0598	2.8000e-004	6.4100e-003	1.3000e-004	6.5400e-003	1.7600e-003	1.3000e-004	1.8900e-003	0.0000	29.0413	29.0413	4.2100e-003	0.0000	29.1466
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	6.3000e-004	3.4000e-004	4.0700e-003	2.0000e-005	2.3600e-003	1.0000e-005	2.3800e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.6223	1.6223	2.0000e-005	0.0000	1.6229
Total	**2.8300e-003**	**0.0675**	**0.0639**	**3.0000e-004**	**8.7700e-003**	**1.4000e-004**	**8.9200e-003**	**2.3900e-003**	**1.4000e-004**	**2.5300e-003**	**0.0000**	**30.6636**	**30.6636**	**4.2300e-003**	**0.0000**	**30.7694**

Midway Village Project Phase 3 - Unmitigated Construction

San Mateo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	76.70	1000sqft	1.76	76,700.00	0
Apartments Low Rise	117.00	Dwelling Unit	2.54	191,197.00	335

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	70
Climate Zone	5			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	390.65	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Phase 3 Construction
CO2 intensity factor adjusted based on California's Renewables Energy Portfolio Standard (RPS) Program and PG&E's 2017 power content label

Land Use - Phase 3 proposed development based on Project Description dated October 21, 2019.

Construction Phase - Phase 3 conceptual construction schedule consistent with Project Description dated October 21, 2019.
Phase 3 Demolition (07/10/2025-09/03/2025) analyzed in a separate CalEEMod run.

Off-road Equipment -

Off-road Equipment - Adjusted building construction equipment usage based on project-specific information

Off-road Equipment - Additional grading equipment included based on project-specific information

Off-road Equipment -

Trips and VMT - Hauling trips added to account for transport of off-road construction equipment. Additional vendor trips included to account for anticipated paving off-site trips.

Grading - Material anticipated to be balanced on-site during Phase 3 construction.
No import or export in Phase 3 (43,092 total cubic yards of import for the project accounted for in phases 2 and 4).

Vehicle Trips - Construction run only

Woodstoves - Construction run only

Energy Use -

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	5.00	35.00
tblConstructionPhase	NumDays	8.00	25.00
tblConstructionPhase	NumDays	230.00	175.00
tblConstructionPhase	NumDays	18.00	48.00
tblConstructionPhase	NumDays	18.00	35.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	19.89	0.00
tblLandUse	LandUseSquareFeet	117,000.00	191,197.00
tblLandUse	LotAcreage	7.31	2.54
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Grading
tblProjectCharacteristics	CO2IntensityFactor	641.35	390.65
tblTripsAndVMT	HaulingTripNumber	0.00	32.00
tblTripsAndVMT	HaulingTripNumber	0.00	32.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

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					
2025	0.0841	0.8158	0.7145	1.5800e-003	0.4125	0.0345	0.4469	0.2198	0.0318	0.2515	0.0000	139.4453	139.4453	0.0391	0.0000	140.4218
2026	1.5100	1.2467	1.6588	3.4900e-003	0.0923	0.0477	0.1400	0.0249	0.0449	0.0697	0.0000	310.7062	310.7062	0.0549	0.0000	312.0775
Maximum	**1.5100**	**1.2467**	**1.6588**	**3.4900e-003**	**0.4125**	**0.0477**	**0.4469**	**0.2198**	**0.0449**	**0.2515**	**0.0000**	**310.7062**	**310.7062**	**0.0549**	**0.0000**	**312.0775**

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					
2025	0.0841	0.8158	0.7145	1.5800e-003	0.1935	0.0345	0.2280	0.1010	0.0318	0.1328	0.0000	139.4452	139.4452	0.0391	0.0000	140.4217
2026	1.5100	1.2467	1.6588	3.4900e-003	0.0923	0.0477	0.1400	0.0249	0.0449	0.0697	0.0000	310.7059	310.7059	0.0549	0.0000	312.0772
Maximum	**1.5100**	**1.2467**	**1.6588**	**3.4900e-003**	**0.1935**	**0.0477**	**0.2280**	**0.1010**	**0.0449**	**0.1328**	**0.0000**	**310.7059**	**310.7059**	**0.0549**	**0.0000**	**312.0772**

	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	43.37	0.00	37.30	48.53	0.00	36.96	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	7-10-2025	10-9-2025	0.3491	0.3491
2	10-10-2025	1-9-2026	0.6031	0.6031
3	1-10-2026	4-9-2026	0.4747	0.4747
4	4-10-2026	7-9-2026	0.6001	0.6001
5	7-10-2026	9-30-2026	1.4841	1.4841
		Highest	1.4841	1.4841

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	9/5/2025	10/23/2025	5	35	
2	Grading	Grading	11/1/2025	12/5/2025	5	25	
3	Building Construction	Building Construction	12/6/2025	8/7/2026	5	175	
4	Paving	Paving	6/1/2026	8/5/2026	5	48	
5	Architectural Coating	Architectural Coating	8/18/2026	10/5/2026	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 12.5

Acres of Paving: 1.76

Residential Indoor: 387,174; Residential Outdoor: 129,058; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Bore/Drill Rigs	1	8.00	221	0.50
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Trenchers	1	8.00	78	0.50
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	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
Site Preparation	7	18.00	0.00	32.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	116.00	25.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	23.00	0.00	32.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2025

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					0.3162	0.0000	0.3162	0.1738	0.0000	0.1738	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0433	0.4416	0.3135	6.7000e-004		0.0190	0.0190		0.0175	0.0175	0.0000	58.5672	58.5672	0.0189	0.0000	59.0408
Total	**0.0433**	**0.4416**	**0.3135**	**6.7000e-004**	**0.3162**	**0.0190**	**0.3352**	**0.1738**	**0.0175**	**0.1913**	**0.0000**	**58.5672**	**58.5672**	**0.0189**	**0.0000**	**59.0408**

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	9.0000e-005	2.8100e-003	2.5000e-003	1.0000e-005	2.7000e-004	1.0000e-005	2.7000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	1.2148	1.2148	1.8000e-004	0.0000	1.2192
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	6.6000e-004	3.6000e-004	4.2700e-003	2.0000e-005	2.4800e-003	1.0000e-005	2.4900e-003	6.6000e-004	1.0000e-005	6.7000e-004	0.0000	1.7034	1.7034	2.0000e-005	0.0000	1.7040
Total	**7.5000e-004**	**3.1700e-003**	**6.7700e-003**	**3.0000e-005**	**2.7500e-003**	**2.0000e-005**	**2.7600e-003**	**7.3000e-004**	**2.0000e-005**	**7.5000e-004**	**0.0000**	**2.9182**	**2.9182**	**2.0000e-004**	**0.0000**	**2.9232**

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					0.1423	0.0000	0.1423	0.0782	0.0000	0.0782	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0433	0.4416	0.3135	6.7000e-004		0.0190	0.0190		0.0175	0.0175	0.0000	58.5672	58.5672	0.0189	0.0000	59.0407
Total	**0.0433**	**0.4416**	**0.3135**	**6.7000e-004**	**0.1423**	**0.0190**	**0.1613**	**0.0782**	**0.0175**	**0.0957**	**0.0000**	**58.5672**	**58.5672**	**0.0189**	**0.0000**	**59.0407**

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	9.0000e-005	2.8100e-003	2.5000e-003	1.0000e-005	2.7000e-004	1.0000e-005	2.7000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	1.2148	1.2148	1.8000e-004	0.0000	1.2192
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	6.6000e-004	3.6000e-004	4.2700e-003	2.0000e-005	2.4800e-003	1.0000e-005	2.4900e-003	6.6000e-004	1.0000e-005	6.7000e-004	0.0000	1.7034	1.7034	2.0000e-005	0.0000	1.7040
Total	**7.5000e-004**	**3.1700e-003**	**6.7700e-003**	**3.0000e-005**	**2.7500e-003**	**2.0000e-005**	**2.7600e-003**	**7.3000e-004**	**2.0000e-005**	**7.5000e-004**	**0.0000**	**2.9182**	**2.9182**	**2.0000e-004**	**0.0000**	**2.9232**

3.3 Grading - 2025

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					0.0819	0.0000	0.0819	0.0421	0.0000	0.0421	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0256	0.2515	0.2393	5.3000e-004		0.0110	0.0110		0.0101	0.0101	0.0000	46.7007	46.7007	0.0151	0.0000	47.0783
Total	**0.0256**	**0.2515**	**0.2393**	**5.3000e-004**	**0.0819**	**0.0110**	**0.0929**	**0.0421**	**0.0101**	**0.0522**	**0.0000**	**46.7007**	**46.7007**	**0.0151**	**0.0000**	**47.0783**

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	5.3000e-004	2.8000e-004	3.3900e-003	1.0000e-005	1.9700e-003	1.0000e-005	1.9800e-003	5.2000e-004	1.0000e-005	5.3000e-004	0.0000	1.3519	1.3519	2.0000e-005	0.0000	1.3524
Total	**5.3000e-004**	**2.8000e-004**	**3.3900e-003**	**1.0000e-005**	**1.9700e-003**	**1.0000e-005**	**1.9800e-003**	**5.2000e-004**	**1.0000e-005**	**5.3000e-004**	**0.0000**	**1.3519**	**1.3519**	**2.0000e-005**	**0.0000**	**1.3524**

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					0.0369	0.0000	0.0369	0.0189	0.0000	0.0189	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0256	0.2515	0.2393	5.3000e-004		0.0110	0.0110		0.0101	0.0101	0.0000	46.7007	46.7007	0.0151	0.0000	47.0783
Total	**0.0256**	**0.2515**	**0.2393**	**5.3000e-004**	**0.0369**	**0.0110**	**0.0479**	**0.0189**	**0.0101**	**0.0291**	**0.0000**	**46.7007**	**46.7007**	**0.0151**	**0.0000**	**47.0783**

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	5.3000e-004	2.8000e-004	3.3900e-003	1.0000e-005	1.9700e-003	1.0000e-005	1.9800e-003	5.2000e-004	1.0000e-005	5.3000e-004	0.0000	1.3519	1.3519	2.0000e-005	0.0000	1.3524
Total	**5.3000e-004**	**2.8000e-004**	**3.3900e-003**	**1.0000e-005**	**1.9700e-003**	**1.0000e-005**	**1.9800e-003**	**5.2000e-004**	**1.0000e-005**	**5.3000e-004**	**0.0000**	**1.3519**	**1.3519**	**2.0000e-005**	**0.0000**	**1.3524**

3.4 Building Construction - 2025

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	0.0113	0.1017	0.1272	2.2000e-004		4.3200e-003	4.3200e-003		4.0700e-003	4.0700e-003	0.0000	18.7148	18.7148	4.2100e-003	0.0000	18.8201
Total	**0.0113**	**0.1017**	**0.1272**	**2.2000e-004**		**4.3200e-003**	**4.3200e-003**		**4.0700e-003**	**4.0700e-003**	**0.0000**	**18.7148**	**18.7148**	**4.2100e-003**	**0.0000**	**18.8201**

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	5.1000e-004	0.0164	0.0102	5.0000e-005	1.4700e-003	2.0000e-005	1.4900e-003	4.2000e-004	2.0000e-005	4.5000e-004	0.0000	5.5469	5.5469	5.0000e-004	0.0000	5.5595
Worker	2.1900e-003	1.1900e-003	0.0142	6.0000e-005	8.2200e-003	5.0000e-005	8.2700e-003	2.1900e-003	4.0000e-005	2.2300e-003	0.0000	5.6455	5.6455	8.0000e-005	0.0000	5.6476
Total	**2.7000e-003**	**0.0175**	**0.0244**	**1.1000e-004**	**9.6900e-003**	**7.0000e-005**	**9.7600e-003**	**2.6100e-003**	**6.0000e-005**	**2.6800e-003**	**0.0000**	**11.1924**	**11.1924**	**5.8000e-004**	**0.0000**	**11.2071**

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	0.0113	0.1017	0.1272	2.2000e-004		4.3200e-003	4.3200e-003		4.0700e-003	4.0700e-003	0.0000	18.7148	18.7148	4.2100e-003	0.0000	18.8200
Total	**0.0113**	**0.1017**	**0.1272**	**2.2000e-004**		**4.3200e-003**	**4.3200e-003**		**4.0700e-003**	**4.0700e-003**	**0.0000**	**18.7148**	**18.7148**	**4.2100e-003**	**0.0000**	**18.8200**

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	5.1000e-004	0.0164	0.0102	5.0000e-005	1.4700e-003	2.0000e-005	1.4900e-003	4.2000e-004	2.0000e-005	4.5000e-004	0.0000	5.5469	5.5469	5.0000e-004	0.0000	5.5595
Worker	2.1900e-003	1.1900e-003	0.0142	6.0000e-005	8.2200e-003	5.0000e-005	8.2700e-003	2.1900e-003	4.0000e-005	2.2300e-003	0.0000	5.6455	5.6455	8.0000e-005	0.0000	5.6476
Total	**2.7000e-003**	**0.0175**	**0.0244**	**1.1000e-004**	**9.6900e-003**	**7.0000e-005**	**9.7600e-003**	**2.6100e-003**	**6.0000e-005**	**2.6800e-003**	**0.0000**	**11.1924**	**11.1924**	**5.8000e-004**	**0.0000**	**11.2071**

3.4 Building Construction - 2026

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	0.0983	0.8872	1.1095	1.9000e-003		0.0377	0.0377		0.0355	0.0355	0.0000	163.2350	163.2350	0.0367	0.0000	164.1527
Total	**0.0983**	**0.8872**	**1.1095**	**1.9000e-003**		**0.0377**	**0.0377**		**0.0355**	**0.0355**	**0.0000**	**163.2350**	**163.2350**	**0.0367**	**0.0000**	**164.1527**

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	4.3200e-003	0.1387	0.0908	4.7000e-004	0.0128	1.9000e-004	0.0130	3.7000e-003	1.8000e-004	3.8800e-003	0.0000	47.9726	47.9726	4.4400e-003	0.0000	48.0836
Worker	0.0185	9.5700e-003	0.1163	5.3000e-004	0.0717	4.0000e-004	0.0721	0.0191	3.6000e-004	0.0194	0.0000	47.5639	47.5639	6.5000e-004	0.0000	47.5802
Total	**0.0228**	**0.1483**	**0.2071**	**1.0000e-003**	**0.0845**	**5.9000e-004**	**0.0851**	**0.0228**	**5.4000e-004**	**0.0233**	**0.0000**	**95.5365**	**95.5365**	**5.0900e-003**	**0.0000**	**95.6638**

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	0.0983	0.8872	1.1095	1.9000e-003		0.0377	0.0377		0.0355	0.0355	0.0000	163.2348	163.2348	0.0367	0.0000	164.1525
Total	**0.0983**	**0.8872**	**1.1095**	**1.9000e-003**		**0.0377**	**0.0377**		**0.0355**	**0.0355**	**0.0000**	**163.2348**	**163.2348**	**0.0367**	**0.0000**	**164.1525**

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	4.3200e-003	0.1387	0.0908	4.7000e-004	0.0128	1.9000e-004	0.0130	3.7000e-003	1.8000e-004	3.8800e-003	0.0000	47.9726	47.9726	4.4400e-003	0.0000	48.0836
Worker	0.0185	9.5700e-003	0.1163	5.3000e-004	0.0717	4.0000e-004	0.0721	0.0191	3.6000e-004	0.0194	0.0000	47.5639	47.5639	6.5000e-004	0.0000	47.5802
Total	**0.0228**	**0.1483**	**0.2071**	**1.0000e-003**	**0.0845**	**5.9000e-004**	**0.0851**	**0.0228**	**5.4000e-004**	**0.0233**	**0.0000**	**95.5365**	**95.5365**	**5.0900e-003**	**0.0000**	**95.6638**

3.5 Paving - 2026

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	0.0197	0.1808	0.2923	4.5000e-004		8.4600e-003	8.4600e-003		7.8200e-003	7.8200e-003	0.0000	39.3078	39.3078	0.0124	0.0000	39.6166
Paving	2.3100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0220**	**0.1808**	**0.2923**	**4.5000e-004**		**8.4600e-003**	**8.4600e-003**		**7.8200e-003**	**7.8200e-003**	**0.0000**	**39.3078**	**39.3078**	**0.0124**	**0.0000**	**39.6166**

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	2.1000e-004	6.7900e-003	4.4400e-003	2.0000e-005	6.3000e-004	1.0000e-005	6.4000e-004	1.8000e-004	1.0000e-005	1.9000e-004	0.0000	2.3467	2.3467	2.2000e-004	0.0000	2.3521
Worker	9.7000e-004	5.0000e-004	6.1300e-003	3.0000e-005	3.7800e-003	2.0000e-005	3.8000e-003	1.0100e-003	2.0000e-005	1.0200e-003	0.0000	2.5072	2.5072	3.0000e-005	0.0000	2.5081
Total	**1.1800e-003**	**7.2900e-003**	**0.0106**	**5.0000e-005**	**4.4100e-003**	**3.0000e-005**	**4.4400e-003**	**1.1900e-003**	**3.0000e-005**	**1.2100e-003**	**0.0000**	**4.8539**	**4.8539**	**2.5000e-004**	**0.0000**	**4.8602**

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	0.0197	0.1808	0.2923	4.5000e-004		8.4600e-003	8.4600e-003		7.8200e-003	7.8200e-003	0.0000	39.3077	39.3077	0.0124	0.0000	39.6165
Paving	2.3100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0220**	**0.1808**	**0.2923**	**4.5000e-004**		**8.4600e-003**	**8.4600e-003**		**7.8200e-003**	**7.8200e-003**	**0.0000**	**39.3077**	**39.3077**	**0.0124**	**0.0000**	**39.6165**

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	2.1000e-004	6.7900e-003	4.4400e-003	2.0000e-005	6.3000e-004	1.0000e-005	6.4000e-004	1.8000e-004	1.0000e-005	1.9000e-004	0.0000	2.3467	2.3467	2.2000e-004	0.0000	2.3521
Worker	9.7000e-004	5.0000e-004	6.1300e-003	3.0000e-005	3.7800e-003	2.0000e-005	3.8000e-003	1.0100e-003	2.0000e-005	1.0200e-003	0.0000	2.5072	2.5072	3.0000e-005	0.0000	2.5081
Total	**1.1800e-003**	**7.2900e-003**	**0.0106**	**5.0000e-005**	**4.4100e-003**	**3.0000e-005**	**4.4400e-003**	**1.1900e-003**	**3.0000e-005**	**1.2100e-003**	**0.0000**	**4.8539**	**4.8539**	**2.5000e-004**	**0.0000**	**4.8602**

3.6 Architectural Coating - 2026

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	1.3619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9900e-003	0.0201	0.0317	5.0000e-005		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.0000	4.4682	4.4682	2.4000e-004	0.0000	4.4743
Total	**1.3649**	**0.0201**	**0.0317**	**5.0000e-005**		**9.0000e-004**	**9.0000e-004**		**9.0000e-004**	**9.0000e-004**	**0.0000**	**4.4682**	**4.4682**	**2.4000e-004**	**0.0000**	**4.4743**

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	9.0000e-005	2.7000e-003	2.5900e-003	1.0000e-005	2.7000e-004	1.0000e-005	2.7000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	1.2024	1.2024	1.8000e-004	0.0000	1.2069
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	8.2000e-004	4.2000e-004	5.1400e-003	2.0000e-005	3.1700e-003	2.0000e-005	3.1900e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.1024	2.1024	3.0000e-005	0.0000	2.1031
Total	**9.1000e-004**	**3.1200e-003**	**7.7300e-003**	**3.0000e-005**	**3.4400e-003**	**3.0000e-005**	**3.4600e-003**	**9.1000e-004**	**3.0000e-005**	**9.4000e-004**	**0.0000**	**3.3048**	**3.3048**	**2.1000e-004**	**0.0000**	**3.3100**

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	1.3619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9900e-003	0.0201	0.0317	5.0000e-005		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.0000	4.4682	4.4682	2.4000e-004	0.0000	4.4743
Total	**1.3649**	**0.0201**	**0.0317**	**5.0000e-005**		**9.0000e-004**	**9.0000e-004**		**9.0000e-004**	**9.0000e-004**	**0.0000**	**4.4682**	**4.4682**	**2.4000e-004**	**0.0000**	**4.4743**

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	9.0000e-005	2.7000e-003	2.5900e-003	1.0000e-005	2.7000e-004	1.0000e-005	2.7000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	1.2024	1.2024	1.8000e-004	0.0000	1.2069
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	8.2000e-004	4.2000e-004	5.1400e-003	2.0000e-005	3.1700e-003	2.0000e-005	3.1900e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.1024	2.1024	3.0000e-005	0.0000	2.1031
Total	**9.1000e-004**	**3.1200e-003**	**7.7300e-003**	**3.0000e-005**	**3.4400e-003**	**3.0000e-005**	**3.4600e-003**	**9.1000e-004**	**3.0000e-005**	**9.4000e-004**	**0.0000**	**3.3048**	**3.3048**	**2.1000e-004**	**0.0000**	**3.3100**

Midway Village Project Phase 4 - Unmitigated Demolition
San Mateo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	3.75	Acre	3.75	163,350.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	70
Climate Zone	5			**Operational Year**	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	390.65	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Project Characteristics - Phase 4 Demolition (07/10/2025-09/03/2025)
CO2 intensity factor adjusted based on California's Renewables Energy Portfolio Standard (RPS) Program and PG&E's 2017 power content label.

Land Use - Phase 4 Demolition

Construction Phase - Phase 4 Demolition (07/10/2025-09/03/2025)

Trips and VMT - Twelve (12) additional hauling trips added to account for off-site trips associated with transport of off-road construction equipment.
177+12=189 total hauling trips

Demolition - Phase 4 Demolition totaling approximately 1,789 tons of debris.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Energy Use -

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	40.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	390.65
tblTripsAndVMT	HaulingTripNumber	177.00	189.00

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					
2025	0.0430	0.4009	0.4072	8.6000e-004	0.0231	0.0171	0.0402	3.9600e-003	0.0159	0.0198	0.0000	76.7925	76.7925	0.0201	0.0000	77.2937
Maximum	**0.0430**	**0.4009**	**0.4072**	**8.6000e-004**	**0.0231**	**0.0171**	**0.0402**	**3.9600e-003**	**0.0159**	**0.0198**	**0.0000**	**76.7925**	**76.7925**	**0.0201**	**0.0000**	**77.2937**

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					
2025	0.0430	0.4009	0.4072	8.6000e-004	0.0126	0.0171	0.0297	2.3700e-003	0.0159	0.0183	0.0000	76.7924	76.7924	0.0201	0.0000	77.2937
Maximum	**0.0430**	**0.4009**	**0.4072**	**8.6000e-004**	**0.0126**	**0.0171**	**0.0297**	**2.3700e-003**	**0.0159**	**0.0183**	**0.0000**	**76.7924**	**76.7924**	**0.0201**	**0.0000**	**77.2937**

	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	45.60	0.00	26.20	40.15	0.00	8.01	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	7-10-2025	9-30-2025	0.4435	0.4435
		Highest	0.4435	0.4435

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	7/10/2025	9/3/2025	5	40	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 3.75

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

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	6	15.00	0.00	189.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2025

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					0.0191	0.0000	0.0191	2.9000e-003	0.0000	2.9000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0419	0.3839	0.3884	7.8000e-004		0.0171	0.0171		0.0158	0.0158	0.0000	67.9953	67.9953	0.0190	0.0000	68.4700
Total	**0.0419**	**0.3839**	**0.3884**	**7.8000e-004**	**0.0191**	**0.0171**	**0.0362**	**2.9000e-003**	**0.0158**	**0.0187**	**0.0000**	**67.9953**	**67.9953**	**0.0190**	**0.0000**	**68.4700**

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	5.4000e-004	0.0166	0.0148	7.0000e-005	1.5800e-003	3.0000e-005	1.6200e-003	4.4000e-004	3.0000e-005	4.7000e-004	0.0000	7.1749	7.1749	1.0400e-003	0.0000	7.2009
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	6.3000e-004	3.4000e-004	4.0700e-003	2.0000e-005	2.3600e-003	1.0000e-005	2.3800e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.6223	1.6223	2.0000e-005	0.0000	1.6229
Total	**1.1700e-003**	**0.0169**	**0.0189**	**9.0000e-005**	**3.9400e-003**	**4.0000e-005**	**4.0000e-003**	**1.0700e-003**	**4.0000e-005**	**1.1100e-003**	**0.0000**	**8.7972**	**8.7972**	**1.0600e-003**	**0.0000**	**8.8238**

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					8.6100e-003	0.0000	8.6100e-003	1.3000e-003	0.0000	1.3000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0419	0.3839	0.3884	7.8000e-004		0.0171	0.0171		0.0158	0.0158	0.0000	67.9952	67.9952	0.0190	0.0000	68.4699
Total	**0.0419**	**0.3839**	**0.3884**	**7.8000e-004**	**8.6100e-003**	**0.0171**	**0.0257**	**1.3000e-003**	**0.0158**	**0.0171**	**0.0000**	**67.9952**	**67.9952**	**0.0190**	**0.0000**	**68.4699**

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	5.4000e-004	0.0166	0.0148	7.0000e-005	1.5800e-003	3.0000e-005	1.6200e-003	4.4000e-004	3.0000e-005	4.7000e-004	0.0000	7.1749	7.1749	1.0400e-003	0.0000	7.2009
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	6.3000e-004	3.4000e-004	4.0700e-003	2.0000e-005	2.3600e-003	1.0000e-005	2.3800e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.6223	1.6223	2.0000e-005	0.0000	1.6229
Total	**1.1700e-003**	**0.0169**	**0.0189**	**9.0000e-005**	**3.9400e-003**	**4.0000e-005**	**4.0000e-003**	**1.0700e-003**	**4.0000e-005**	**1.1100e-003**	**0.0000**	**8.7972**	**8.7972**	**1.0600e-003**	**0.0000**	**8.8238**

Midway Village Project Phase 4 - Unmitigated Construction (Phase 4 On-site)

San Mateo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	38.51	1000sqft	0.88	38,510.00	0
Apartments Low Rise	141.00	Dwelling Unit	5.25	226,526.00	403

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	70
Climate Zone	5			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	390.65	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Phase 4 Construction (On-site Construction)
CO2 intensity factor adjusted based on California's Renewables Energy Portfolio Standard and PG&E's 2017 power content label.

Land Use - Phase 4 proposed on-site development based on Project Description dated October 21, 2019.

Construction Phase - Phase 4 conceptual construction schedule consistent with Project Description dated October 21, 2019.
Phase 4 Demolition (07/10/2025-09/03/2025) analyzed in a separate CalEEMod run.
Phase 4 On-site Construction analyzed in a separate CalEEMod run.

Off-road Equipment - Adjusted building construction equipment usage based on project-specific information

Off-road Equipment - Additional grading equipment included based on project-specific information

Trips and VMT - Additional hauling trips included to account for transport of off-road construction equipment. Additional vendor trips included to account for anticipated paving off-site trips.

Grading - Approximately 30,481 cubic yards to be imported in Phase 4 (43,092 total cubic yards of import for the project anticipated; 12,611 cubic yards accounted for in Phase 2 and 30,481 cubic yards accounted for in Phase 4)

Vehicle Trips - Construction run only

Woodstoves - Construction run only

Energy Use -

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

Off-road Equipment -

Off-road Equipment -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	35.00
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	230.00	175.00
tblConstructionPhase	NumDays	20.00	48.00
tblConstructionPhase	NumDays	20.00	35.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	23.97	0.00
tblGrading	MaterialImported	0.00	30,481.00
tblLandUse	LandUseSquareFeet	141,000.00	226,526.00
tblLandUse	LotAcreage	8.81	5.25
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Grading

tblOffRoadEquipment	PhaseName		Grading
tblProjectCharacteristics	CO2IntensityFactor	641.35	390.65
tblTripsAndVMT	HaulingTripNumber	0.00	30.00
tblTripsAndVMT	HaulingTripNumber	0.00	30.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

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					
2025	0.0950	1.1478	1.0110	2.9400e-003	0.4460	0.0351	0.4811	0.2288	0.0324	0.2612	0.0000	283.2164	283.2164	0.0599	0.0000	284.7149
2026	1.7513	1.2496	1.7024	3.5100e-003	0.0907	0.0493	0.1399	0.0244	0.0463	0.0707	0.0000	311.9785	311.9785	0.0573	0.0000	313.4116
Maximum	**1.7513**	**1.2496**	**1.7024**	**3.5100e-003**	**0.4460**	**0.0493**	**0.4811**	**0.2288**	**0.0463**	**0.2612**	**0.0000**	**311.9785**	**311.9785**	**0.0599**	**0.0000**	**313.4116**

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					
2025	0.0950	1.1478	1.0110	2.9400e-003	0.2261	0.0351	0.2612	0.1099	0.0324	0.1423	0.0000	283.2163	283.2163	0.0599	0.0000	284.7147
2026	1.7513	1.2496	1.7024	3.5100e-003	0.0907	0.0493	0.1399	0.0244	0.0463	0.0707	0.0000	311.9782	311.9782	0.0573	0.0000	313.4113
Maximum	**1.7513**	**1.2496**	**1.7024**	**3.5100e-003**	**0.2261**	**0.0493**	**0.2612**	**0.1099**	**0.0463**	**0.1423**	**0.0000**	**311.9782**	**311.9782**	**0.0599**	**0.0000**	**313.4113**

	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	40.97	0.00	35.41	46.96	0.00	35.83	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	7-10-2025	10-9-2025	0.3490	0.3490
2	10-10-2025	1-9-2026	0.9470	0.9470
3	1-10-2026	4-9-2026	0.4656	0.4656
4	4-10-2026	7-9-2026	0.6060	0.6060
5	7-10-2026	9-30-2026	1.7077	1.7077
		Highest	1.7077	1.7077

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	9/5/2025	10/23/2025	5	35	
2	Grading	Grading	11/1/2025	12/5/2025	5	25	
3	Building Construction	Building Construction	12/6/2025	8/7/2026	5	175	
4	Paving	Paving	6/1/2026	8/5/2026	5	48	
5	Architectural Coating	Architectural Coating	8/18/2026	10/5/2026	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 12.5

Acres of Paving: 0.88

Residential Indoor: 458,715; Residential Outdoor: 152,905; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Bore/Drill Rigs	1	8.00	221	0.50
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Trenchers	1	8.00	78	0.50
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	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
Site Preparation	7	18.00	0.00	30.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	3,810.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	118.00	21.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	24.00	0.00	30.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2025

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					0.3162	0.0000	0.3162	0.1738	0.0000	0.1738	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0433	0.4416	0.3135	6.7000e-004		0.0190	0.0190		0.0175	0.0175	0.0000	58.5672	58.5672	0.0189	0.0000	59.0408
Total	**0.0433**	**0.4416**	**0.3135**	**6.7000e-004**	**0.3162**	**0.0190**	**0.3352**	**0.1738**	**0.0175**	**0.1913**	**0.0000**	**58.5672**	**58.5672**	**0.0189**	**0.0000**	**59.0408**

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	9.0000e-005	2.6400e-003	2.3500e-003	1.0000e-005	2.5000e-004	1.0000e-005	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	1.1389	1.1389	1.7000e-004	0.0000	1.1430
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	6.6000e-004	3.6000e-004	4.2700e-003	2.0000e-005	2.4800e-003	1.0000e-005	2.4900e-003	6.6000e-004	1.0000e-005	6.7000e-004	0.0000	1.7034	1.7034	2.0000e-005	0.0000	1.7040
Total	**7.5000e-004**	**3.0000e-003**	**6.6200e-003**	**3.0000e-005**	**2.7300e-003**	**2.0000e-005**	**2.7500e-003**	**7.3000e-004**	**1.0000e-005**	**7.4000e-004**	**0.0000**	**2.8423**	**2.8423**	**1.9000e-004**	**0.0000**	**2.8470**

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					0.1423	0.0000	0.1423	0.0782	0.0000	0.0782	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0433	0.4416	0.3135	6.7000e-004		0.0190	0.0190		0.0175	0.0175	0.0000	58.5672	58.5672	0.0189	0.0000	59.0407
Total	**0.0433**	**0.4416**	**0.3135**	**6.7000e-004**	**0.1423**	**0.0190**	**0.1613**	**0.0782**	**0.0175**	**0.0957**	**0.0000**	**58.5672**	**58.5672**	**0.0189**	**0.0000**	**59.0407**

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	9.0000e-005	2.6400e-003	2.3500e-003	1.0000e-005	2.5000e-004	1.0000e-005	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	1.1389	1.1389	1.7000e-004	0.0000	1.1430
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	6.6000e-004	3.6000e-004	4.2700e-003	2.0000e-005	2.4800e-003	1.0000e-005	2.4900e-003	6.6000e-004	1.0000e-005	6.7000e-004	0.0000	1.7034	1.7034	2.0000e-005	0.0000	1.7040
Total	**7.5000e-004**	**3.0000e-003**	**6.6200e-003**	**3.0000e-005**	**2.7300e-003**	**2.0000e-005**	**2.7500e-003**	**7.3000e-004**	**1.0000e-005**	**7.4000e-004**	**0.0000**	**2.8423**	**2.8423**	**1.9000e-004**	**0.0000**	**2.8470**

3.3 Grading - 2025

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					0.0836	0.0000	0.0836	0.0424	0.0000	0.0424	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0256	0.2515	0.2393	5.3000e-004		0.0110	0.0110		0.0101	0.0101	0.0000	46.7007	46.7007	0.0151	0.0000	47.0783
Total	**0.0256**	**0.2515**	**0.2393**	**5.3000e-004**	**0.0836**	**0.0110**	**0.0946**	**0.0424**	**0.0101**	**0.0525**	**0.0000**	**46.7007**	**46.7007**	**0.0151**	**0.0000**	**47.0783**

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	0.0110	0.3347	0.2980	1.3700e-003	0.0319	6.6000e-004	0.0326	8.7700e-003	6.3000e-004	9.4000e-003	0.0000	144.6372	144.6372	0.0210	0.0000	145.1614
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	5.3000e-004	2.8000e-004	3.3900e-003	1.0000e-005	1.9700e-003	1.0000e-005	1.9800e-003	5.2000e-004	1.0000e-005	5.3000e-004	0.0000	1.3519	1.3519	2.0000e-005	0.0000	1.3524
Total	**0.0115**	**0.3350**	**0.3014**	**1.3800e-003**	**0.0339**	**6.7000e-004**	**0.0345**	**9.2900e-003**	**6.4000e-004**	**9.9300e-003**	**0.0000**	**145.9891**	**145.9891**	**0.0210**	**0.0000**	**146.5138**

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					0.0376	0.0000	0.0376	0.0191	0.0000	0.0191	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0256	0.2515	0.2393	5.3000e-004		0.0110	0.0110		0.0101	0.0101	0.0000	46.7007	46.7007	0.0151	0.0000	47.0783
Total	**0.0256**	**0.2515**	**0.2393**	**5.3000e-004**	**0.0376**	**0.0110**	**0.0486**	**0.0191**	**0.0101**	**0.0292**	**0.0000**	**46.7007**	**46.7007**	**0.0151**	**0.0000**	**47.0783**

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	0.0110	0.3347	0.2980	1.3700e-003	0.0319	6.6000e-004	0.0326	8.7700e-003	6.3000e-004	9.4000e-003	0.0000	144.6372	144.6372	0.0210	0.0000	145.1614
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	5.3000e-004	2.8000e-004	3.3900e-003	1.0000e-005	1.9700e-003	1.0000e-005	1.9800e-003	5.2000e-004	1.0000e-005	5.3000e-004	0.0000	1.3519	1.3519	2.0000e-005	0.0000	1.3524
Total	**0.0115**	**0.3350**	**0.3014**	**1.3800e-003**	**0.0339**	**6.7000e-004**	**0.0345**	**9.2900e-003**	**6.4000e-004**	**9.9300e-003**	**0.0000**	**145.9891**	**145.9891**	**0.0210**	**0.0000**	**146.5138**

3.4 Building Construction - 2025

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	0.0113	0.1017	0.1272	2.2000e-004		4.3200e-003	4.3200e-003		4.0700e-003	4.0700e-003	0.0000	18.7148	18.7148	4.2100e-003	0.0000	18.8201
Total	**0.0113**	**0.1017**	**0.1272**	**2.2000e-004**		**4.3200e-003**	**4.3200e-003**		**4.0700e-003**	**4.0700e-003**	**0.0000**	**18.7148**	**18.7148**	**4.2100e-003**	**0.0000**	**18.8201**

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	4.2000e-004	0.0137	8.5700e-003	5.0000e-005	1.2300e-003	2.0000e-005	1.2500e-003	3.6000e-004	2.0000e-005	3.7000e-004	0.0000	4.6594	4.6594	4.2000e-004	0.0000	4.6700
Worker	2.2300e-003	1.2100e-003	0.0144	6.0000e-005	8.3600e-003	5.0000e-005	8.4100e-003	2.2200e-003	4.0000e-005	2.2700e-003	0.0000	5.7429	5.7429	8.0000e-005	0.0000	5.7449
Total	**2.6500e-003**	**0.0149**	**0.0230**	**1.1000e-004**	**9.5900e-003**	**7.0000e-005**	**9.6600e-003**	**2.5800e-003**	**6.0000e-005**	**2.6400e-003**	**0.0000**	**10.4023**	**10.4023**	**5.0000e-004**	**0.0000**	**10.4149**

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	0.0113	0.1017	0.1272	2.2000e-004		4.3200e-003	4.3200e-003		4.0700e-003	4.0700e-003	0.0000	18.7148	18.7148	4.2100e-003	0.0000	18.8200
Total	**0.0113**	**0.1017**	**0.1272**	**2.2000e-004**		**4.3200e-003**	**4.3200e-003**		**4.0700e-003**	**4.0700e-003**	**0.0000**	**18.7148**	**18.7148**	**4.2100e-003**	**0.0000**	**18.8200**

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	4.2000e-004	0.0137	8.5700e-003	5.0000e-005	1.2300e-003	2.0000e-005	1.2500e-003	3.6000e-004	2.0000e-005	3.7000e-004	0.0000	4.6594	4.6594	4.2000e-004	0.0000	4.6700
Worker	2.2300e-003	1.2100e-003	0.0144	6.0000e-005	8.3600e-003	5.0000e-005	8.4100e-003	2.2200e-003	4.0000e-005	2.2700e-003	0.0000	5.7429	5.7429	8.0000e-005	0.0000	5.7449
Total	**2.6500e-003**	**0.0149**	**0.0230**	**1.1000e-004**	**9.5900e-003**	**7.0000e-005**	**9.6600e-003**	**2.5800e-003**	**6.0000e-005**	**2.6400e-003**	**0.0000**	**10.4023**	**10.4023**	**5.0000e-004**	**0.0000**	**10.4149**

3.4 Building Construction - 2026

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	0.0983	0.8872	1.1095	1.9000e-003		0.0377	0.0377		0.0355	0.0355	0.0000	163.2350	163.2350	0.0367	0.0000	164.1527
Total	**0.0983**	**0.8872**	**1.1095**	**1.9000e-003**		**0.0377**	**0.0377**		**0.0355**	**0.0355**	**0.0000**	**163.2350**	**163.2350**	**0.0367**	**0.0000**	**164.1527**

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	3.6300e-003	0.1165	0.0763	4.0000e-004	0.0108	1.6000e-004	0.0109	3.1100e-003	1.5000e-004	3.2600e-003	0.0000	40.2970	40.2970	3.7300e-003	0.0000	40.3902
Worker	0.0188	9.7300e-003	0.1183	5.3000e-004	0.0729	4.0000e-004	0.0733	0.0194	3.7000e-004	0.0198	0.0000	48.3840	48.3840	6.6000e-004	0.0000	48.4005
Total	**0.0224**	**0.1263**	**0.1946**	**9.3000e-004**	**0.0837**	**5.6000e-004**	**0.0842**	**0.0225**	**5.2000e-004**	**0.0230**	**0.0000**	**88.6810**	**88.6810**	**4.3900e-003**	**0.0000**	**88.7907**

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	0.0983	0.8872	1.1095	1.9000e-003		0.0377	0.0377		0.0355	0.0355	0.0000	163.2348	163.2348	0.0367	0.0000	164.1525
Total	**0.0983**	**0.8872**	**1.1095**	**1.9000e-003**		**0.0377**	**0.0377**		**0.0355**	**0.0355**	**0.0000**	**163.2348**	**163.2348**	**0.0367**	**0.0000**	**164.1525**

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	3.6300e-003	0.1165	0.0763	4.0000e-004	0.0108	1.6000e-004	0.0109	3.1100e-003	1.5000e-004	3.2600e-003	0.0000	40.2970	40.2970	3.7300e-003	0.0000	40.3902
Worker	0.0188	9.7300e-003	0.1183	5.3000e-004	0.0729	4.0000e-004	0.0733	0.0194	3.7000e-004	0.0198	0.0000	48.3840	48.3840	6.6000e-004	0.0000	48.4005
Total	**0.0224**	**0.1263**	**0.1946**	**9.3000e-004**	**0.0837**	**5.6000e-004**	**0.0842**	**0.0225**	**5.2000e-004**	**0.0230**	**0.0000**	**88.6810**	**88.6810**	**4.3900e-003**	**0.0000**	**88.7907**

3.5 Paving - 2026

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	0.0220	0.2060	0.3499	5.5000e-004		0.0100	0.0100		9.2400e-003	9.2400e-003	0.0000	48.0462	48.0462	0.0155	0.0000	48.4347
Paving	1.1500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0231**	**0.2060**	**0.3499**	**5.5000e-004**		**0.0100**	**0.0100**		**9.2400e-003**	**9.2400e-003**	**0.0000**	**48.0462**	**48.0462**	**0.0155**	**0.0000**	**48.4347**

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	2.1000e-004	6.7900e-003	4.4400e-003	2.0000e-005	6.3000e-004	1.0000e-005	6.4000e-004	1.8000e-004	1.0000e-005	1.9000e-004	0.0000	2.3467	2.3467	2.2000e-004	0.0000	2.3521
Worker	7.3000e-004	3.8000e-004	4.6000e-003	2.0000e-005	2.8300e-003	2.0000e-005	2.8500e-003	7.5000e-004	1.0000e-005	7.7000e-004	0.0000	1.8804	1.8804	3.0000e-005	0.0000	1.8811
Total	**9.4000e-004**	**7.1700e-003**	**9.0400e-003**	**4.0000e-005**	**3.4600e-003**	**3.0000e-005**	**3.4900e-003**	**9.3000e-004**	**2.0000e-005**	**9.6000e-004**	**0.0000**	**4.2271**	**4.2271**	**2.5000e-004**	**0.0000**	**4.2332**

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	0.0220	0.2060	0.3499	5.5000e-004		0.0100	0.0100		9.2400e-003	9.2400e-003	0.0000	48.0462	48.0462	0.0155	0.0000	48.4346
Paving	1.1500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0231**	**0.2060**	**0.3499**	**5.5000e-004**		**0.0100**	**0.0100**		**9.2400e-003**	**9.2400e-003**	**0.0000**	**48.0462**	**48.0462**	**0.0155**	**0.0000**	**48.4346**

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	2.1000e-004	6.7900e-003	4.4400e-003	2.0000e-005	6.3000e-004	1.0000e-005	6.4000e-004	1.8000e-004	1.0000e-005	1.9000e-004	0.0000	2.3467	2.3467	2.2000e-004	0.0000	2.3521
Worker	7.3000e-004	3.8000e-004	4.6000e-003	2.0000e-005	2.8300e-003	2.0000e-005	2.8500e-003	7.5000e-004	1.0000e-005	7.7000e-004	0.0000	1.8804	1.8804	3.0000e-005	0.0000	1.8811
Total	**9.4000e-004**	**7.1700e-003**	**9.0400e-003**	**4.0000e-005**	**3.4600e-003**	**3.0000e-005**	**3.4900e-003**	**9.3000e-004**	**2.0000e-005**	**9.6000e-004**	**0.0000**	**4.2271**	**4.2271**	**2.5000e-004**	**0.0000**	**4.2332**

3.6 Architectural Coating - 2026

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	1.6026					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9900e-003	0.0201	0.0317	5.0000e-005		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.0000	4.4682	4.4682	2.4000e-004	0.0000	4.4743
Total	**1.6056**	**0.0201**	**0.0317**	**5.0000e-005**		**9.0000e-004**	**9.0000e-004**		**9.0000e-004**	**9.0000e-004**	**0.0000**	**4.4682**	**4.4682**	**2.4000e-004**	**0.0000**	**4.4743**

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	9.0000e-005	2.5300e-003	2.4300e-003	1.0000e-005	2.5000e-004	1.0000e-005	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	1.1272	1.1272	1.7000e-004	0.0000	1.1314
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	8.5000e-004	4.4000e-004	5.3600e-003	2.0000e-005	3.3100e-003	2.0000e-005	3.3200e-003	8.8000e-004	2.0000e-005	9.0000e-004	0.0000	2.1938	2.1938	3.0000e-005	0.0000	2.1946
Total	**9.4000e-004**	**2.9700e-003**	**7.7900e-003**	**3.0000e-005**	**3.5600e-003**	**3.0000e-005**	**3.5800e-003**	**9.5000e-004**	**2.0000e-005**	**9.7000e-004**	**0.0000**	**3.3210**	**3.3210**	**2.0000e-004**	**0.0000**	**3.3260**

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	1.6026					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9900e-003	0.0201	0.0317	5.0000e-005		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.0000	4.4682	4.4682	2.4000e-004	0.0000	4.4743
Total	**1.6056**	**0.0201**	**0.0317**	**5.0000e-005**		**9.0000e-004**	**9.0000e-004**		**9.0000e-004**	**9.0000e-004**	**0.0000**	**4.4682**	**4.4682**	**2.4000e-004**	**0.0000**	**4.4743**

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	9.0000e-005	2.5300e-003	2.4300e-003	1.0000e-005	2.5000e-004	1.0000e-005	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	1.1272	1.1272	1.7000e-004	0.0000	1.1314
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	8.5000e-004	4.4000e-004	5.3600e-003	2.0000e-005	3.3100e-003	2.0000e-005	3.3200e-003	8.8000e-004	2.0000e-005	9.0000e-004	0.0000	2.1938	2.1938	3.0000e-005	0.0000	2.1946
Total	**9.4000e-004**	**2.9700e-003**	**7.7900e-003**	**3.0000e-005**	**3.5600e-003**	**3.0000e-005**	**3.5800e-003**	**9.5000e-004**	**2.0000e-005**	**9.7000e-004**	**0.0000**	**3.3210**	**3.3210**	**2.0000e-004**	**0.0000**	**3.3260**

Midway Village Project Phase 4 - Unmitigated Construction (Phase 4 Off-site Road Improvements)

San Mateo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	27.15	1000sqft	0.62	27,150.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	70
Climate Zone	5			**Operational Year**	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	390.65	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Phase 4 Off-site Road Improvements
CO2 intensity factor adjusted based on California's Renewables Energy Portfolio Standard (RPS) Program and PG&E's 2017 power content label.

Land Use - Additional roadway improvements totaling approximately 27,150 square feet.
Improvements to Schwerin St. and Martin St.

Construction Phase - Adjusted construction schedule to match applicant-provided estimated duration of 6 weeks for off-site roadway improvements.

Trips and VMT - Two additional vendor trips per day added to the paving phase to account for anticipated paving off-site trips. Additional hauling trips included to account for transport of off-road construction equipment.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Energy Use -

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	5.00	28.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	390.65
tblTripsAndVMT	HaulingTripNumber	0.00	13.00
tblTripsAndVMT	HaulingTripNumber	0.00	13.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

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					
2025	0.0102	0.0810	0.1145	2.1000e-004	3.5000e-003	3.3700e-003	6.8700e-003	1.1100e-003	3.1600e-003	4.2700e-003	0.0000	17.7388	17.7388	4.3900e-003	0.0000	17.8484
Maximum	**0.0102**	**0.0810**	**0.1145**	**2.1000e-004**	**3.5000e-003**	**3.3700e-003**	**6.8700e-003**	**1.1100e-003**	**3.1600e-003**	**4.2700e-003**	**0.0000**	**17.7388**	**17.7388**	**4.3900e-003**	**0.0000**	**17.8484**

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					
2025	0.0102	0.0810	0.1145	2.1000e-004	2.9400e-003	3.3700e-003	6.3100e-003	8.7000e-004	3.1600e-003	4.0200e-003	0.0000	17.7387	17.7387	4.3900e-003	0.0000	17.8484
Maximum	**0.0102**	**0.0810**	**0.1145**	**2.1000e-004**	**2.9400e-003**	**3.3700e-003**	**6.3100e-003**	**8.7000e-004**	**3.1600e-003**	**4.0200e-003**	**0.0000**	**17.7387**	**17.7387**	**4.3900e-003**	**0.0000**	**17.8484**

	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**	**16.00**	**0.00**	**8.15**	**21.62**	**0.00**	**5.85**	**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	9-5-2025	9-30-2025	0.0546	0.0546
		Highest	0.0546	0.0546

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	9/5/2025	9/5/2025	5	1	
2	Grading	Grading	9/6/2025	9/9/2025	5	2	
3	Paving	Paving	9/10/2025	10/17/2025	5	28	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.62

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	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
Site Preparation	2	5.00	0.00	13.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	2.00	13.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2025

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					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.2000e-004	2.4000e-003	1.9100e-003	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.4274	0.4274	1.4000e-004	0.0000	0.4309
Total	**2.2000e-004**	**2.4000e-003**	**1.9100e-003**	**0.0000**	**2.7000e-004**	**8.0000e-005**	**3.5000e-004**	**3.0000e-005**	**8.0000e-005**	**1.1000e-004**	**0.0000**	**0.4274**	**0.4274**	**1.4000e-004**	**0.0000**	**0.4309**

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	4.0000e-005	1.1400e-003	1.0200e-003	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.4935	0.4935	7.0000e-005	0.0000	0.4953
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	1.0000e-005	0.0000	3.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0135	0.0135	0.0000	0.0000	0.0135
Total	**5.0000e-005**	**1.1400e-003**	**1.0500e-003**	**0.0000**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.5070**	**0.5070**	**7.0000e-005**	**0.0000**	**0.5088**

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					1.2000e-004	0.0000	1.2000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.2000e-004	2.4000e-003	1.9100e-003	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.4274	0.4274	1.4000e-004	0.0000	0.4309
Total	**2.2000e-004**	**2.4000e-003**	**1.9100e-003**	**0.0000**	**1.2000e-004**	**8.0000e-005**	**2.0000e-004**	**1.0000e-005**	**8.0000e-005**	**9.0000e-005**	**0.0000**	**0.4274**	**0.4274**	**1.4000e-004**	**0.0000**	**0.4309**

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	4.0000e-005	1.1400e-003	1.0200e-003	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.4935	0.4935	7.0000e-005	0.0000	0.4953
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	1.0000e-005	0.0000	3.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0135	0.0135	0.0000	0.0000	0.0135
Total	**5.0000e-005**	**1.1400e-003**	**1.0500e-003**	**0.0000**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.5070**	**0.5070**	**7.0000e-005**	**0.0000**	**0.5088**

3.3 Grading - 2025

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					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.7000e-004	5.1000e-003	7.3600e-003	1.0000e-005		2.1000e-004	2.1000e-004		2.0000e-004	2.0000e-004	0.0000	1.0425	1.0425	1.9000e-004	0.0000	1.0471
Total	**5.7000e-004**	**5.1000e-003**	**7.3600e-003**	**1.0000e-005**	**7.5000e-004**	**2.1000e-004**	**9.6000e-004**	**4.1000e-004**	**2.0000e-004**	**6.1000e-004**	**0.0000**	**1.0425**	**1.0425**	**1.9000e-004**	**0.0000**	**1.0471**

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	1.0000e-005	1.4000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0541	0.0541	0.0000	0.0000	0.0541
Total	**2.0000e-005**	**1.0000e-005**	**1.4000e-004**	**0.0000**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0541**	**0.0541**	**0.0000**	**0.0000**	**0.0541**

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					3.4000e-004	0.0000	3.4000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.7000e-004	5.1000e-003	7.3600e-003	1.0000e-005		2.1000e-004	2.1000e-004		2.0000e-004	2.0000e-004	0.0000	1.0425	1.0425	1.9000e-004	0.0000	1.0471
Total	**5.7000e-004**	**5.1000e-003**	**7.3600e-003**	**1.0000e-005**	**3.4000e-004**	**2.1000e-004**	**5.5000e-004**	**1.9000e-004**	**2.0000e-004**	**3.9000e-004**	**0.0000**	**1.0425**	**1.0425**	**1.9000e-004**	**0.0000**	**1.0471**

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	1.0000e-005	1.4000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0541	0.0541	0.0000	0.0000	0.0541
Total	**2.0000e-005**	**1.0000e-005**	**1.4000e-004**	**0.0000**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0541**	**0.0541**	**0.0000**	**0.0000**	**0.0541**

3.4 Paving - 2025

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	7.8900e-003	0.0689	0.0984	1.6000e-004		3.0600e-003	3.0600e-003		2.8600e-003	2.8600e-003	0.0000	13.1613	13.1613	3.8300e-003	0.0000	13.2571
Paving	8.1000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.7000e-003**	**0.0689**	**0.0984**	**1.6000e-004**		**3.0600e-003**	**3.0600e-003**		**2.8600e-003**	**2.8600e-003**	**0.0000**	**13.1613**	**13.1613**	**3.8300e-003**	**0.0000**	**13.2571**

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	4.0000e-005	1.1400e-003	1.0200e-003	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.4935	0.4935	7.0000e-005	0.0000	0.4953
Vendor	6.0000e-005	2.0300e-003	1.2700e-003	1.0000e-005	1.8000e-004	0.0000	1.9000e-004	5.0000e-005	0.0000	6.0000e-005	0.0000	0.6903	0.6903	6.0000e-005	0.0000	0.6919
Worker	5.3000e-004	2.9000e-004	3.4200e-003	2.0000e-005	1.9800e-003	1.0000e-005	2.0000e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.3627	1.3627	2.0000e-005	0.0000	1.3632
Total	**6.3000e-004**	**3.4600e-003**	**5.7100e-003**	**3.0000e-005**	**2.2700e-003**	**1.0000e-005**	**2.3000e-003**	**6.1000e-004**	**1.0000e-005**	**6.3000e-004**	**0.0000**	**2.5465**	**2.5465**	**1.5000e-004**	**0.0000**	**2.5504**

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	7.8900e-003	0.0689	0.0984	1.6000e-004		3.0600e-003	3.0600e-003		2.8600e-003	2.8600e-003	0.0000	13.1612	13.1612	3.8300e-003	0.0000	13.2571
Paving	8.1000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.7000e-003**	**0.0689**	**0.0984**	**1.6000e-004**		**3.0600e-003**	**3.0600e-003**		**2.8600e-003**	**2.8600e-003**	**0.0000**	**13.1612**	**13.1612**	**3.8300e-003**	**0.0000**	**13.2571**

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	4.0000e-005	1.1400e-003	1.0200e-003	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.4935	0.4935	7.0000e-005	0.0000	0.4953
Vendor	6.0000e-005	2.0300e-003	1.2700e-003	1.0000e-005	1.8000e-004	0.0000	1.9000e-004	5.0000e-005	0.0000	6.0000e-005	0.0000	0.6903	0.6903	6.0000e-005	0.0000	0.6919
Worker	5.3000e-004	2.9000e-004	3.4200e-003	2.0000e-005	1.9800e-003	1.0000e-005	2.0000e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.3627	1.3627	2.0000e-005	0.0000	1.3632
Total	**6.3000e-004**	**3.4600e-003**	**5.7100e-003**	**3.0000e-005**	**2.2700e-003**	**1.0000e-005**	**2.3000e-003**	**6.1000e-004**	**1.0000e-005**	**6.3000e-004**	**0.0000**	**2.5465**	**2.5465**	**1.5000e-004**	**0.0000**	**2.5504**

Midway Village Project Phase 1 - Mitigated Demolition
San Mateo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	3.76	Acre	3.76	163,785.60	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	70
Climate Zone	5			**Operational Year**	2021
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	390.65	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Phase 1 Demolition (1/15/2021-02/01/2021) - Tier 4 mitigated equipment
CO2 intensity factor adjusted based on California's Renewables Energy Portfolio Standard (RPS) Program and PG&E's 2017 power content label.

Land Use - Phase 1 Demolition - Demolition of San Mateo County Housing Authority offices

Construction Phase - Phase 1 Demolition (1/15/2021-02/01/2021)

Trips and VMT - Twelve (12) additional hauling trips added to account for off-site trips associated with transport of off-road construction equipment.
Estimate of additional trips based on two trips per piece of equipment.
106+12=118 total hauling trips

Demolition - Phase 1 Demolition totaling approximately 1,074 tons of debris.

Energy Use -

Construction Off-road Equipment Mitigation - Tier 4 Final mitigation for construction equipment >50 HP
Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	12.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	390.65
tblTripsAndVMT	HaulingTripNumber	106.00	118.00

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					
2021	0.0197	0.2063	0.1392	2.9000e-004	0.0132	9.3700e-003	0.0226	2.2000e-003	8.7000e-003	0.0109	0.0000	25.8153	25.8153	6.3700e-003	0.0000	25.9747
Maximum	**0.0197**	**0.2063**	**0.1392**	**2.9000e-004**	**0.0132**	**9.3700e-003**	**0.0226**	**2.2000e-003**	**8.7000e-003**	**0.0109**	**0.0000**	**25.8153**	**25.8153**	**6.3700e-003**	**0.0000**	**25.9747**

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					
2021	3.5000e-003	0.0297	0.1495	2.9000e-004	6.8700e-003	4.3000e-004	7.2900e-003	1.2400e-003	4.2000e-004	1.6700e-003	0.0000	25.8153	25.8153	6.3700e-003	0.0000	25.9746
Maximum	**3.5000e-003**	**0.0297**	**0.1495**	**2.9000e-004**	**6.8700e-003**	**4.3000e-004**	**7.2900e-003**	**1.2400e-003**	**4.2000e-004**	**1.6700e-003**	**0.0000**	**25.8153**	**25.8153**	**6.3700e-003**	**0.0000**	**25.9746**

	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	**82.25**	**85.60**	**-7.39**	**0.00**	**47.92**	**95.41**	**67.67**	**43.64**	**95.17**	**84.68**	**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	1-15-2021	4-14-2021	0.2424	0.0358
		Highest	0.2424	0.0358

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	1/15/2021	2/1/2021	5	12	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 3.76

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

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	6	15.00	0.00	118.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2021

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					0.0115	0.0000	0.0115	1.7400e-003	0.0000	1.7400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0190	0.1886	0.1294	2.3000e-004		9.3100e-003	9.3100e-003		8.6500e-003	8.6500e-003	0.0000	20.4005	20.4005	5.7400e-003	0.0000	20.5440
Total	**0.0190**	**0.1886**	**0.1294**	**2.3000e-004**	**0.0115**	**9.3100e-003**	**0.0208**	**1.7400e-003**	**8.6500e-003**	**0.0104**	**0.0000**	**20.4005**	**20.4005**	**5.7400e-003**	**0.0000**	**20.5440**

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	5.0000e-004	0.0176	8.2100e-003	5.0000e-005	9.9000e-004	5.0000e-005	1.0400e-003	2.7000e-004	5.0000e-005	3.2000e-004	0.0000	4.8459	4.8459	6.2000e-004	0.0000	4.8614
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	2.3000e-004	1.5000e-004	1.6200e-003	1.0000e-005	7.1000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5690	0.5690	1.0000e-005	0.0000	0.5693
Total	**7.3000e-004**	**0.0177**	**9.8300e-003**	**6.0000e-005**	**1.7000e-003**	**5.0000e-005**	**1.7500e-003**	**4.6000e-004**	**5.0000e-005**	**5.1000e-004**	**0.0000**	**5.4149**	**5.4149**	**6.3000e-004**	**0.0000**	**5.4306**

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					5.1700e-003	0.0000	5.1700e-003	7.8000e-004	0.0000	7.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7700e-003	0.0120	0.1397	2.3000e-004		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	20.4005	20.4005	5.7400e-003	0.0000	20.5440
Total	**2.7700e-003**	**0.0120**	**0.1397**	**2.3000e-004**	**5.1700e-003**	**3.7000e-004**	**5.5400e-003**	**7.8000e-004**	**3.7000e-004**	**1.1500e-003**	**0.0000**	**20.4005**	**20.4005**	**5.7400e-003**	**0.0000**	**20.5440**

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	5.0000e-004	0.0176	8.2100e-003	5.0000e-005	9.9000e-004	5.0000e-005	1.0400e-003	2.7000e-004	5.0000e-005	3.2000e-004	0.0000	4.8459	4.8459	6.2000e-004	0.0000	4.8614
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	2.3000e-004	1.5000e-004	1.6200e-003	1.0000e-005	7.1000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5690	0.5690	1.0000e-005	0.0000	0.5693
Total	**7.3000e-004**	**0.0177**	**9.8300e-003**	**6.0000e-005**	**1.7000e-003**	**5.0000e-005**	**1.7500e-003**	**4.6000e-004**	**5.0000e-005**	**5.1000e-004**	**0.0000**	**5.4149**	**5.4149**	**6.3000e-004**	**0.0000**	**5.4306**

Midway Village Project Phase 1 - Mitigated Construction
San Mateo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	99.91	1000sqft	2.29	99,910.00	0
Apartments Low Rise	149.00	Dwelling Unit	1.47	310,612.00	426

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	70
Climate Zone	5			**Operational Year**	2021
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	390.65	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Phase 1 Construction - Tier 4 mitigated equipment
CO2 intensity factor adjusted based on California's Renewables Energy Portfolio Standard (RPS) Program and PG&E's 2017 power content label.

Land Use - Phase 1 proposed development based on Project Description dated October 21, 2019.

Construction Phase - Phase 1 conceptual construction schedule consistent with Project Description dated October 21, 2019.
Phase 1 Demolition (1/15/2021-02/01/2021) analyzed in a separate CalEEMod run.
Off-road Equipment -

Off-road Equipment - Adjusted building construction equipment usage based on project-specific information.

Off-road Equipment -

Off-road Equipment - Additional grading equipment included based on project-specific information.

Off-road Equipment -

Trips and VMT - Additional hauling trips included to account for off-site trips associated with transport of construction equipment. Additional vendor trips added to the paving phase to account for anticipated paving off-site trips.

Demolition - Demolition associated with Phase 1 analyzed in a separate CalEEMod run.

Grading - Material anticipated to be balanced on-site during Phase 1 construction.
No import or export in Phase 1 (43,092 total cubic yards of import for the project accounted for in phases 2 and 4).

Vehicle Trips - Construction run only

Woodstoves - Construction run only

Energy Use -

Construction Off-road Equipment Mitigation - Tier 4 Final mitigation for construction equipment >50 HP
Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	5.00	20.00
tblConstructionPhase	NumDays	8.00	15.00
tblConstructionPhase	NumDays	230.00	175.00
tblConstructionPhase	NumDays	18.00	23.00
tblConstructionPhase	NumDays	18.00	35.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	25.33	0.00
tblLandUse	LandUseSquareFeet	149,000.00	310,612.00
tblLandUse	LotAcreage	9.31	1.47
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Grading
tblProjectCharacteristics	CO2IntensityFactor	641.35	390.65
tblTripsAndVMT	HaulingTripNumber	0.00	32.00
tblTripsAndVMT	HaulingTripNumber	0.00	32.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblVehicleTrips	ST_TR	7.16	0.00

tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

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					
2021	2.4850	2.5004	2.2011	4.8400e-003	0.3601	0.1168	0.4768	0.1597	0.1093	0.2689	0.0000	432.8765	432.8765	0.0766	0.0000	434.7919
Maximum	**2.4850**	**2.5004**	**2.2011**	**4.8400e-003**	**0.3601**	**0.1168**	**0.4768**	**0.1597**	**0.1093**	**0.2689**	**0.0000**	**432.8765**	**432.8765**	**0.0766**	**0.0000**	**434.7919**

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					
2021	2.3168	0.6131	2.3394	4.8400e-003	0.2337	0.0126	0.2463	0.0912	0.0125	0.1037	0.0000	432.8762	432.8762	0.0766	0.0000	434.7915
Maximum	**2.3168**	**0.6131**	**2.3394**	**4.8400e-003**	**0.2337**	**0.0126**	**0.2463**	**0.0912**	**0.0125**	**0.1037**	**0.0000**	**432.8762**	**432.8762**	**0.0766**	**0.0000**	**434.7915**

	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	**6.77**	**75.48**	**-6.28**	**0.00**	**35.10**	**89.22**	**48.35**	**42.91**	**88.55**	**61.46**	**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	**1-15-2021**	**4-14-2021**	0.8839	0.1112
2	**4-15-2021**	**7-14-2021**	0.7621	0.2448
3	**7-15-2021**	**9-30-2021**	0.6850	0.2162
		Highest	0.8839	0.2448

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	2/2/2021	3/1/2021	5	20	
2	Grading	Grading	3/2/2021	3/22/2021	5	15	
3	Building Construction	Building Construction	3/23/2021	11/22/2021	5	175	
4	Paving	Paving	7/1/2021	8/2/2021	5	23	
5	Architectural Coating	Architectural Coating	11/2/2021	12/20/2021	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 7.5

Acres of Paving: 2.29

Residential Indoor: 628,989; Residential Outdoor: 209,663; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Bore/Drill Rigs	1	8.00	221	0.50
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Trenchers	1	8.00	78	0.50
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	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
Site Preparation	7	18.00	0.00	32.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	149.00	32.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	30.00	0.00	32.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2021

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					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0389	0.4050	0.2115	3.8000e-004		0.0204	0.0204		0.0188	0.0188	0.0000	33.4357	33.4357	0.0108	0.0000	33.7061
Total	**0.0389**	**0.4050**	**0.2115**	**3.8000e-004**	**0.1807**	**0.0204**	**0.2011**	**0.0993**	**0.0188**	**0.1181**	**0.0000**	**33.4357**	**33.4357**	**0.0108**	**0.0000**	**33.7061**

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	1.4000e-004	4.7600e-003	2.2300e-003	1.0000e-005	2.7000e-004	1.0000e-005	2.8000e-004	7.0000e-005	1.0000e-005	9.0000e-005	0.0000	1.3141	1.3141	1.7000e-004	0.0000	1.3183
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	4.6000e-004	3.0000e-004	3.2300e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1380	1.1380	2.0000e-005	0.0000	1.1385
Total	**6.0000e-004**	**5.0600e-003**	**5.4600e-003**	**2.0000e-005**	**1.6900e-003**	**2.0000e-005**	**1.7100e-003**	**4.5000e-004**	**2.0000e-005**	**4.8000e-004**	**0.0000**	**2.4521**	**2.4521**	**1.9000e-004**	**0.0000**	**2.4568**

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					0.0813	0.0000	0.0813	0.0447	0.0000	0.0447	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6600e-003	0.0202	0.2087	3.8000e-004		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	33.4357	33.4357	0.0108	0.0000	33.7060
Total	**4.6600e-003**	**0.0202**	**0.2087**	**3.8000e-004**	**0.0813**	**6.2000e-004**	**0.0819**	**0.0447**	**6.2000e-004**	**0.0453**	**0.0000**	**33.4357**	**33.4357**	**0.0108**	**0.0000**	**33.7060**

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	1.4000e-004	4.7600e-003	2.2300e-003	1.0000e-005	2.7000e-004	1.0000e-005	2.8000e-004	7.0000e-005	1.0000e-005	9.0000e-005	0.0000	1.3141	1.3141	1.7000e-004	0.0000	1.3183
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	4.6000e-004	3.0000e-004	3.2300e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1380	1.1380	2.0000e-005	0.0000	1.1385
Total	**6.0000e-004**	**5.0600e-003**	**5.4600e-003**	**2.0000e-005**	**1.6900e-003**	**2.0000e-005**	**1.7100e-003**	**4.5000e-004**	**2.0000e-005**	**4.8000e-004**	**0.0000**	**2.4521**	**2.4521**	**1.9000e-004**	**0.0000**	**2.4568**

3.3 Grading - 2021

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					0.0491	0.0000	0.0491	0.0253	0.0000	0.0253	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0220	0.2345	0.1540	3.2000e-004		0.0113	0.0113		0.0104	0.0104	0.0000	27.9702	27.9702	9.0500e-003	0.0000	28.1963
Total	**0.0220**	**0.2345**	**0.1540**	**3.2000e-004**	**0.0491**	**0.0113**	**0.0604**	**0.0253**	**0.0104**	**0.0357**	**0.0000**	**27.9702**	**27.9702**	**9.0500e-003**	**0.0000**	**28.1963**

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	3.8000e-004	2.5000e-004	2.7000e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9483	0.9483	2.0000e-005	0.0000	0.9488
Total	**3.8000e-004**	**2.5000e-004**	**2.7000e-003**	**1.0000e-005**	**1.1800e-003**	**1.0000e-005**	**1.1900e-003**	**3.1000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**0.9483**	**0.9483**	**2.0000e-005**	**0.0000**	**0.9488**

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					0.0221	0.0000	0.0221	0.0114	0.0000	0.0114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9100e-003	0.0169	0.1844	3.2000e-004		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	27.9702	27.9702	9.0500e-003	0.0000	28.1963
Total	**3.9100e-003**	**0.0169**	**0.1844**	**3.2000e-004**	**0.0221**	**5.2000e-004**	**0.0226**	**0.0114**	**5.2000e-004**	**0.0119**	**0.0000**	**27.9702**	**27.9702**	**9.0500e-003**	**0.0000**	**28.1963**

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	3.8000e-004	2.5000e-004	2.7000e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9483	0.9483	2.0000e-005	0.0000	0.9488
Total	**3.8000e-004**	**2.5000e-004**	**2.7000e-003**	**1.0000e-005**	**1.1800e-003**	**1.0000e-005**	**1.1900e-003**	**3.1000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**0.9483**	**0.9483**	**2.0000e-005**	**0.0000**	**0.9488**

3.4 Building Construction - 2021

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	0.1520	1.3802	1.2773	2.1200e-003		0.0753	0.0753		0.0710	0.0710	0.0000	181.7832	181.7832	0.0421	0.0000	182.8367
Total	**0.1520**	**1.3802**	**1.2773**	**2.1200e-003**		**0.0753**	**0.0753**		**0.0710**	**0.0710**	**0.0000**	**181.7832**	**181.7832**	**0.0421**	**0.0000**	**182.8367**

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	8.9400e-003	0.2916	0.1252	7.3000e-004	0.0183	6.7000e-004	0.0189	5.2800e-003	6.4000e-004	5.9200e-003	0.0000	73.2769	73.2769	6.3300e-003	0.0000	73.4352
Worker	0.0332	0.0216	0.2343	9.1000e-004	0.1026	6.2000e-004	0.1033	0.0273	5.8000e-004	0.0279	0.0000	82.4245	82.4245	1.5000e-003	0.0000	82.4619
Total	**0.0422**	**0.3132**	**0.3594**	**1.6400e-003**	**0.1209**	**1.2900e-003**	**0.1222**	**0.0326**	**1.2200e-003**	**0.0338**	**0.0000**	**155.7014**	**155.7014**	**7.8300e-003**	**0.0000**	**155.8971**

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	0.0484	0.2271	1.3679	2.1200e-003		9.4100e-003	9.4100e-003		9.4100e-003	9.4100e-003	0.0000	181.7830	181.7830	0.0421	0.0000	182.8365
Total	**0.0484**	**0.2271**	**1.3679**	**2.1200e-003**		**9.4100e-003**	**9.4100e-003**		**9.4100e-003**	**9.4100e-003**	**0.0000**	**181.7830**	**181.7830**	**0.0421**	**0.0000**	**182.8365**

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	8.9400e-003	0.2916	0.1252	7.3000e-004	0.0183	6.7000e-004	0.0189	5.2800e-003	6.4000e-004	5.9200e-003	0.0000	73.2769	73.2769	6.3300e-003	0.0000	73.4352
Worker	0.0332	0.0216	0.2343	9.1000e-004	0.1026	6.2000e-004	0.1033	0.0273	5.8000e-004	0.0279	0.0000	82.4245	82.4245	1.5000e-003	0.0000	82.4619
Total	**0.0422**	**0.3132**	**0.3594**	**1.6400e-003**	**0.1209**	**1.2900e-003**	**0.1222**	**0.0326**	**1.2200e-003**	**0.0338**	**0.0000**	**155.7014**	**155.7014**	**7.8300e-003**	**0.0000**	**155.8971**

3.5 Paving - 2021

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	0.0126	0.1247	0.1410	2.2000e-004		6.6600e-003	6.6600e-003		6.1400e-003	6.1400e-003	0.0000	18.8262	18.8262	5.9200e-003	0.0000	18.9741
Paving	3.0000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0156**	**0.1247**	**0.1410**	**2.2000e-004**		**6.6600e-003**	**6.6600e-003**		**6.1400e-003**	**6.1400e-003**	**0.0000**	**18.8262**	**18.8262**	**5.9200e-003**	**0.0000**	**18.9741**

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	1.5000e-004	4.7900e-003	2.0600e-003	1.0000e-005	3.0000e-004	1.0000e-005	3.1000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	1.2038	1.2038	1.0000e-004	0.0000	1.2064
Worker	5.9000e-004	3.8000e-004	4.1300e-003	2.0000e-005	1.8100e-003	1.0000e-005	1.8200e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.4541	1.4541	3.0000e-005	0.0000	1.4547
Total	**7.4000e-004**	**5.1700e-003**	**6.1900e-003**	**3.0000e-005**	**2.1100e-003**	**2.0000e-005**	**2.1300e-003**	**5.7000e-004**	**2.0000e-005**	**5.9000e-004**	**0.0000**	**2.6579**	**2.6579**	**1.3000e-004**	**0.0000**	**2.6612**

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	3.5400e-003	0.0173	0.1609	2.2000e-004		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004	0.0000	18.8262	18.8262	5.9200e-003	0.0000	18.9741
Paving	3.0000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.5400e-003**	**0.0173**	**0.1609**	**2.2000e-004**		**5.8000e-004**	**5.8000e-004**		**5.8000e-004**	**5.8000e-004**	**0.0000**	**18.8262**	**18.8262**	**5.9200e-003**	**0.0000**	**18.9741**

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	1.5000e-004	4.7900e-003	2.0600e-003	1.0000e-005	3.0000e-004	1.0000e-005	3.1000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	1.2038	1.2038	1.0000e-004	0.0000	1.2064
Worker	5.9000e-004	3.8000e-004	4.1300e-003	2.0000e-005	1.8100e-003	1.0000e-005	1.8200e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.4541	1.4541	3.0000e-005	0.0000	1.4547
Total	**7.4000e-004**	**5.1700e-003**	**6.1900e-003**	**3.0000e-005**	**2.1100e-003**	**2.0000e-005**	**2.1300e-003**	**5.7000e-004**	**2.0000e-005**	**5.9000e-004**	**0.0000**	**2.6579**	**2.6579**	**1.3000e-004**	**0.0000**	**2.6612**

3.6 Architectural Coating - 2021

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	2.2074					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8300e-003	0.0267	0.0318	5.0000e-005		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003	0.0000	4.4682	4.4682	3.1000e-004	0.0000	4.4759
Total	**2.2112**	**0.0267**	**0.0318**	**5.0000e-005**		**1.6500e-003**	**1.6500e-003**		**1.6500e-003**	**1.6500e-003**	**0.0000**	**4.4682**	**4.4682**	**3.1000e-004**	**0.0000**	**4.4759**

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	1.4000e-004	4.7600e-003	2.2300e-003	1.0000e-005	2.7000e-004	1.0000e-005	2.8000e-004	7.0000e-005	1.0000e-005	9.0000e-005	0.0000	1.3141	1.3141	1.7000e-004	0.0000	1.3183
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	1.3400e-003	8.7000e-004	9.4300e-003	4.0000e-005	4.1300e-003	3.0000e-005	4.1600e-003	1.1000e-003	2.0000e-005	1.1200e-003	0.0000	3.3191	3.3191	6.0000e-005	0.0000	3.3206
Total	**1.4800e-003**	**5.6300e-003**	**0.0117**	**5.0000e-005**	**4.4000e-003**	**4.0000e-005**	**4.4400e-003**	**1.1700e-003**	**3.0000e-005**	**1.2100e-003**	**0.0000**	**4.6333**	**4.6333**	**2.3000e-004**	**0.0000**	**4.6390**

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	2.2074					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.2000e-004	2.2500e-003	0.0321	5.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	4.4682	4.4682	3.1000e-004	0.0000	4.4759
Total	**2.2079**	**2.2500e-003**	**0.0321**	**5.0000e-005**		**7.0000e-005**	**7.0000e-005**		**7.0000e-005**	**7.0000e-005**	**0.0000**	**4.4682**	**4.4682**	**3.1000e-004**	**0.0000**	**4.4759**

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	1.4000e-004	4.7600e-003	2.2300e-003	1.0000e-005	2.7000e-004	1.0000e-005	2.8000e-004	7.0000e-005	1.0000e-005	9.0000e-005	0.0000	1.3141	1.3141	1.7000e-004	0.0000	1.3183
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	1.3400e-003	8.7000e-004	9.4300e-003	4.0000e-005	4.1300e-003	3.0000e-005	4.1600e-003	1.1000e-003	2.0000e-005	1.1200e-003	0.0000	3.3191	3.3191	6.0000e-005	0.0000	3.3206
Total	**1.4800e-003**	**5.6300e-003**	**0.0117**	**5.0000e-005**	**4.4000e-003**	**4.0000e-005**	**4.4400e-003**	**1.1700e-003**	**3.0000e-005**	**1.2100e-003**	**0.0000**	**4.6333**	**4.6333**	**2.3000e-004**	**0.0000**	**4.6390**

Midway Village Project Phase 2 - Mitigated Demolition
San Mateo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	4.05	Acre	4.05	176,418.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	70
Climate Zone	5			**Operational Year**	2023
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	390.65	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Project Characteristics - Phase 2 Demolition (09/01/2023-10/05/2023) - Tier 4 mitigated equipment
CO2 intensity factor adjusted based on California's Renewables Energy Portfolio Standard and PG&E's 2017 power content label.

Land Use - Phase 2 Demolition

Construction Phase - Phase 2 Demolition (09/01/2023-10/05/2023)

Demolition - Phase 2 Demolition totaling approximately 4,644 tons of debris.

Energy Use -

Construction Off-road Equipment Mitigation - Tier 4 Final mitigation for construction equipment >50 HP
Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

Trips and VMT - Twelve (12) additional hauling trips added to account for off-site trips associated with transport of off-road construction equipment. 459+12=471 total hauling trips

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	25.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	390.65
tblTripsAndVMT	HaulingTripNumber	459.00	471.00

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	0.0302	0.3137	0.2826	6.7000e-004	0.0551	0.0126	0.0677	9.0000e-003	0.0117	0.0207	0.0000	61.8621	61.8621	0.0144	0.0000	62.2227
Maximum	**0.0302**	**0.3137**	**0.2826**	**6.7000e-004**	**0.0551**	**0.0126**	**0.0677**	**9.0000e-003**	**0.0117**	**0.0207**	**0.0000**	**61.8621**	**61.8621**	**0.0144**	**0.0000**	**62.2227**

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	7.6000e-003	0.0702	0.3281	6.7000e-004	0.0278	8.7000e-004	0.0287	4.8600e-003	8.6000e-004	5.7200e-003	0.0000	61.8621	61.8621	0.0144	0.0000	62.2226
Maximum	**7.6000e-003**	**0.0702**	**0.3281**	**6.7000e-004**	**0.0278**	**8.7000e-004**	**0.0287**	**4.8600e-003**	**8.6000e-004**	**5.7200e-003**	**0.0000**	**61.8621**	**61.8621**	**0.0144**	**0.0000**	**62.2226**

	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	**74.82**	**77.64**	**-16.08**	**0.00**	**49.59**	**93.08**	**57.66**	**46.00**	**92.64**	**72.35**	**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	9-1-2023	9-30-2023	0.2939	0.0658
		Highest	0.2939	0.0658

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	9/1/2023	10/5/2023	5	25	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.05

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

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	6	15.00	0.00	471.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 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					
Fugitive Dust					0.0497	0.0000	0.0497	7.5200e-003	0.0000	7.5200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0284	0.2686	0.2455	4.9000e-004		0.0125	0.0125		0.0116	0.0116	0.0000	42.4901	42.4901	0.0119	0.0000	42.7876
Total	**0.0284**	**0.2686**	**0.2455**	**4.9000e-004**	**0.0497**	**0.0125**	**0.0622**	**7.5200e-003**	**0.0116**	**0.0191**	**0.0000**	**42.4901**	**42.4901**	**0.0119**	**0.0000**	**42.7876**

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	1.3900e-003	0.0449	0.0342	1.7000e-004	3.9400e-003	9.0000e-005	4.0300e-003	1.0800e-003	8.0000e-005	1.1700e-003	0.0000	18.2731	18.2731	2.5000e-003	0.0000	18.3357
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	4.3000e-004	2.5000e-004	2.9200e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4800e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.0989	1.0989	2.0000e-005	0.0000	1.0994
Total	**1.8200e-003**	**0.0451**	**0.0371**	**1.8000e-004**	**5.4200e-003**	**1.0000e-004**	**5.5100e-003**	**1.4700e-003**	**9.0000e-005**	**1.5700e-003**	**0.0000**	**19.3721**	**19.3721**	**2.5200e-003**	**0.0000**	**19.4351**

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					0.0224	0.0000	0.0224	3.3900e-003	0.0000	3.3900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.7800e-003	0.0250	0.2910	4.9000e-004		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	42.4900	42.4900	0.0119	0.0000	42.7875
Total	**5.7800e-003**	**0.0250**	**0.2910**	**4.9000e-004**	**0.0224**	**7.7000e-004**	**0.0231**	**3.3900e-003**	**7.7000e-004**	**4.1600e-003**	**0.0000**	**42.4900**	**42.4900**	**0.0119**	**0.0000**	**42.7875**

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	1.3900e-003	0.0449	0.0342	1.7000e-004	3.9400e-003	9.0000e-005	4.0300e-003	1.0800e-003	8.0000e-005	1.1700e-003	0.0000	18.2731	18.2731	2.5000e-003	0.0000	18.3357
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	4.3000e-004	2.5000e-004	2.9200e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4800e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.0989	1.0989	2.0000e-005	0.0000	1.0994
Total	**1.8200e-003**	**0.0451**	**0.0371**	**1.8000e-004**	**5.4200e-003**	**1.0000e-004**	**5.5100e-003**	**1.4700e-003**	**9.0000e-005**	**1.5700e-003**	**0.0000**	**19.3721**	**19.3721**	**2.5200e-003**	**0.0000**	**19.4351**

Midway Village Project Phase 2 - Mitigated Construction
San Mateo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	48.52	1000sqft	1.11	48,525.00	0
Apartments Low Rise	148.00	Dwelling Unit	1.54	153,265.00	423

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	70
Climate Zone	5			**Operational Year**	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	390.65	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Phase 2 Construction - Tier 4 mitigated equipment
CO2 intensity factor adjusted based on California's Renewables Energy Portfolio Standard (RPS) Program and PG&E's 2017 power content label.
Land Use - Phase 2 proposed development based on Project Description dated October 21, 2019.

Construction Phase - Phase 2 conceptual construction schedule consistent with Project Description dated October 21, 2019.
Phase 2 Demolition (09/01/2023-10/05/2023) analyzed in a separate CalEEMod run.
Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Additional grading equipment included based on project-specific information

Off-road Equipment -

Trips and VMT - Additional hauling trips to account for transport of construction equipment based on two (2) trips per piece of off-road construction equipment. Additional vendor trips included to account for anticipated paving off-site trips.

Demolition - Demolition associated with Phase 2 analyzed in a separate CalEEMod run.

Grading - Approximately 12,611 cubic yards to be imported in Phase 2 (43,092 total cubic yards of import for the project anticipated; 12,611 cubic yards in Phase 2 and 30,481 cubic yards in Phase 4)

Architectural Coating -

Vehicle Trips - Construction run only

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - Construction run only

Area Coating -

Energy Use -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation - Tier 4 Final mitigation for construction equipment >50 HP
Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

Area Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	3.00	28.00
tblConstructionPhase	NumDays	6.00	16.00
tblConstructionPhase	NumDays	220.00	155.00
tblConstructionPhase	NumDays	10.00	35.00
tblConstructionPhase	NumDays	10.00	38.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	25.16	0.00
tblGrading	MaterialImported	0.00	12,611.00
tblLandUse	LandUseSquareFeet	48,520.00	48,525.00

tblLandUse	LandUseSquareFeet	148,000.00	153,265.00
tblLandUse	LotAcreage	9.25	1.54
tblProjectCharacteristics	CO2IntensityFactor	641.35	390.65
tblTripsAndVMT	HaulingTripNumber	0.00	24.00
tblTripsAndVMT	HaulingTripNumber	0.00	24.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

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	0.0469	0.5731	0.4323	1.3800e-003	0.0953	0.0175	0.1128	0.0349	0.0162	0.0511	0.0000	130.7923	130.7923	0.0277	0.0000	131.4851
2024	1.2524	1.2591	1.5058	3.3000e-003	0.0915	0.0483	0.1397	0.0246	0.0460	0.0706	0.0000	287.9446	287.9446	0.0424	0.0000	289.0041
Maximum	**1.2524**	**1.2591**	**1.5058**	**3.3000e-003**	**0.0953**	**0.0483**	**0.1397**	**0.0349**	**0.0460**	**0.0706**	**0.0000**	**287.9446**	**287.9446**	**0.0424**	**0.0000**	**289.0041**

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	0.0180	0.2137	0.5017	1.3800e-003	0.0538	2.1100e-003	0.0559	0.0187	2.0900e-003	0.0208	0.0000	130.7922	130.7922	0.0277	0.0000	131.4850
2024	1.1886	0.5440	1.6320	3.3000e-003	0.0915	0.0139	0.1053	0.0246	0.0138	0.0385	0.0000	287.9444	287.9444	0.0424	0.0000	289.0039
Maximum	**1.1886**	**0.5440**	**1.6320**	**3.3000e-003**	**0.0915**	**0.0139**	**0.1053**	**0.0246**	**0.0138**	**0.0385**	**0.0000**	**287.9444**	**287.9444**	**0.0424**	**0.0000**	**289.0039**

	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	7.13	58.64	-10.09	0.00	22.22	75.71	36.16	27.22	74.43	51.37	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	9-1-2023	11-30-2023	0.2933	0.0639
2	12-1-2023	2-29-2024	0.6995	0.3524
3	3-1-2024	5-31-2024	0.5485	0.2687
4	6-1-2024	8-31-2024	1.0931	0.7870
5	9-1-2024	9-30-2024	0.5260	0.5149
		Highest	1.0931	0.7870

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	10/15/2023	11/22/2023	5	28	
2	Grading	Grading	11/26/2023	12/18/2023	5	16	
3	Building Construction	Building Construction	12/20/2023	7/23/2024	5	155	
4	Paving	Paving	6/1/2024	7/20/2024	5	35	
5	Architectural Coating	Architectural Coating	8/3/2024	9/25/2024	5	38	

Acres of Grading (Site Preparation Phase): 42

Acres of Grading (Grading Phase): 8

Acres of Paving: 1.11

Residential Indoor: 310,362; Residential Outdoor: 103,454; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Bore/Drill Rigs	1	8.00	221	0.50
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Grading	Trenchers	1	8.00	78	0.50
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	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
Site Preparation	3	8.00	0.00	24.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	1,576.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	127.00	24.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	25.00	0.00	24.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 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					
Fugitive Dust					0.0223	0.0000	0.0223	2.4000e-003	0.0000	2.4000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0182	0.1999	0.1370	3.4000e-004		7.5900e-003	7.5900e-003		6.9800e-003	6.9800e-003	0.0000	30.1622	30.1622	9.7600e-003	0.0000	30.4060
Total	**0.0182**	**0.1999**	**0.1370**	**3.4000e-004**	**0.0223**	**7.5900e-003**	**0.0299**	**2.4000e-003**	**6.9800e-003**	**9.3800e-003**	**0.0000**	**30.1622**	**30.1622**	**9.7600e-003**	**0.0000**	**30.4060**

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	7.0000e-005	2.2900e-003	1.7400e-003	1.0000e-005	2.0000e-004	0.0000	2.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.9311	0.9311	1.3000e-004	0.0000	0.9343
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	2.6000e-004	1.5000e-004	1.7400e-003	1.0000e-005	8.8000e-004	1.0000e-005	8.9000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.6564	0.6564	1.0000e-005	0.0000	0.6567
Total	**3.3000e-004**	**2.4400e-003**	**3.4800e-003**	**2.0000e-005**	**1.0800e-003**	**1.0000e-005**	**1.1000e-003**	**2.9000e-004**	**0.0000**	**3.0000e-004**	**0.0000**	**1.5875**	**1.5875**	**1.4000e-004**	**0.0000**	**1.5910**

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					0.0100	0.0000	0.0100	1.0800e-003	0.0000	1.0800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.2100e-003	0.0183	0.1660	3.4000e-004		5.6000e-004	5.6000e-004		5.6000e-004	5.6000e-004	0.0000	30.1621	30.1621	9.7600e-003	0.0000	30.4060
Total	**4.2100e-003**	**0.0183**	**0.1660**	**3.4000e-004**	**0.0100**	**5.6000e-004**	**0.0106**	**1.0800e-003**	**5.6000e-004**	**1.6400e-003**	**0.0000**	**30.1621**	**30.1621**	**9.7600e-003**	**0.0000**	**30.4060**

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	7.0000e-005	2.2900e-003	1.7400e-003	1.0000e-005	2.0000e-004	0.0000	2.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.9311	0.9311	1.3000e-004	0.0000	0.9343
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	2.6000e-004	1.5000e-004	1.7400e-003	1.0000e-005	8.8000e-004	1.0000e-005	8.9000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.6564	0.6564	1.0000e-005	0.0000	0.6567
Total	**3.3000e-004**	**2.4400e-003**	**3.4800e-003**	**2.0000e-005**	**1.0800e-003**	**1.0000e-005**	**1.1000e-003**	**2.9000e-004**	**0.0000**	**3.0000e-004**	**0.0000**	**1.5875**	**1.5875**	**1.4000e-004**	**0.0000**	**1.5910**

3.3 Grading - 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					
Fugitive Dust					0.0531	0.0000	0.0531	0.0271	0.0000	0.0271	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0152	0.1579	0.1066	2.7000e-004		7.1600e-003	7.1600e-003		6.5800e-003	6.5800e-003	0.0000	23.5013	23.5013	7.6000e-003	0.0000	23.6913
Total	**0.0152**	**0.1579**	**0.1066**	**2.7000e-004**	**0.0531**	**7.1600e-003**	**0.0603**	**0.0271**	**6.5800e-003**	**0.0336**	**0.0000**	**23.5013**	**23.5013**	**7.6000e-003**	**0.0000**	**23.6913**

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	4.6400e-003	0.1501	0.1144	5.9000e-004	0.0132	3.0000e-004	0.0135	3.6300e-003	2.8000e-004	3.9100e-003	0.0000	61.1432	61.1432	8.3800e-003	0.0000	61.3526
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	2.7000e-004	1.6000e-004	1.8700e-003	1.0000e-005	9.4000e-004	1.0000e-005	9.5000e-004	2.5000e-004	1.0000e-005	2.6000e-004	0.0000	0.7033	0.7033	1.0000e-005	0.0000	0.7036
Total	**4.9100e-003**	**0.1503**	**0.1163**	**6.0000e-004**	**0.0141**	**3.1000e-004**	**0.0144**	**3.8800e-003**	**2.9000e-004**	**4.1700e-003**	**0.0000**	**61.8465**	**61.8465**	**8.3900e-003**	**0.0000**	**62.0562**

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					0.0239	0.0000	0.0239	0.0122	0.0000	0.0122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2800e-003	0.0142	0.1419	2.7000e-004		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004	0.0000	23.5013	23.5013	7.6000e-003	0.0000	23.6913
Total	**3.2800e-003**	**0.0142**	**0.1419**	**2.7000e-004**	**0.0239**	**4.4000e-004**	**0.0244**	**0.0122**	**4.4000e-004**	**0.0126**	**0.0000**	**23.5013**	**23.5013**	**7.6000e-003**	**0.0000**	**23.6913**

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	4.6400e-003	0.1501	0.1144	5.9000e-004	0.0132	3.0000e-004	0.0135	3.6300e-003	2.8000e-004	3.9100e-003	0.0000	61.1432	61.1432	8.3800e-003	0.0000	61.3526
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	2.7000e-004	1.6000e-004	1.8700e-003	1.0000e-005	9.4000e-004	1.0000e-005	9.5000e-004	2.5000e-004	1.0000e-005	2.6000e-004	0.0000	0.7033	0.7033	1.0000e-005	0.0000	0.7036
Total	**4.9100e-003**	**0.1503**	**0.1163**	**6.0000e-004**	**0.0141**	**3.1000e-004**	**0.0144**	**3.8800e-003**	**2.9000e-004**	**4.1700e-003**	**0.0000**	**61.8465**	**61.8465**	**8.3900e-003**	**0.0000**	**62.0562**

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	6.8500e-003	0.0545	0.0569	1.0000e-004		2.4500e-003	2.4500e-003		2.3500e-003	2.3500e-003	0.0000	8.3081	8.3081	1.5700e-003	0.0000	8.3474
Total	**6.8500e-003**	**0.0545**	**0.0569**	**1.0000e-004**		**2.4500e-003**	**2.4500e-003**		**2.3500e-003**	**2.3500e-003**	**0.0000**	**8.3081**	**8.3081**	**1.5700e-003**	**0.0000**	**8.3474**

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	2.3000e-004	7.3800e-003	4.2200e-003	2.0000e-005	6.3000e-004	1.0000e-005	6.4000e-004	1.8000e-004	1.0000e-005	1.9000e-004	0.0000	2.4094	2.4094	2.1000e-004	0.0000	2.4147
Worker	1.1600e-003	6.9000e-004	7.9100e-003	3.0000e-005	4.0000e-003	2.0000e-005	4.0200e-003	1.0600e-003	2.0000e-005	1.0900e-003	0.0000	2.9774	2.9774	5.0000e-005	0.0000	2.9786
Total	**1.3900e-003**	**8.0700e-003**	**0.0121**	**5.0000e-005**	**4.6300e-003**	**3.0000e-005**	**4.6600e-003**	**1.2400e-003**	**3.0000e-005**	**1.2800e-003**	**0.0000**	**5.3867**	**5.3867**	**2.6000e-004**	**0.0000**	**5.3932**

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	3.8500e-003	0.0205	0.0619	1.0000e-004		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	8.3081	8.3081	1.5700e-003	0.0000	8.3474
Total	**3.8500e-003**	**0.0205**	**0.0619**	**1.0000e-004**		**7.7000e-004**	**7.7000e-004**		**7.7000e-004**	**7.7000e-004**	**0.0000**	**8.3081**	**8.3081**	**1.5700e-003**	**0.0000**	**8.3474**

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	2.3000e-004	7.3800e-003	4.2200e-003	2.0000e-005	6.3000e-004	1.0000e-005	6.4000e-004	1.8000e-004	1.0000e-005	1.9000e-004	0.0000	2.4094	2.4094	2.1000e-004	0.0000	2.4147
Worker	1.1600e-003	6.9000e-004	7.9100e-003	3.0000e-005	4.0000e-003	2.0000e-005	4.0200e-003	1.0600e-003	2.0000e-005	1.0900e-003	0.0000	2.9774	2.9774	5.0000e-005	0.0000	2.9786
Total	**1.3900e-003**	**8.0700e-003**	**0.0121**	**5.0000e-005**	**4.6300e-003**	**3.0000e-005**	**4.6600e-003**	**1.2400e-003**	**3.0000e-005**	**1.2800e-003**	**0.0000**	**5.3867**	**5.3867**	**2.6000e-004**	**0.0000**	**5.3932**

3.4 Building Construction - 2024

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	0.1174	0.9425	1.0364	1.8400e-003		0.0396	0.0396		0.0379	0.0379	0.0000	152.6697	152.6697	0.0284	0.0000	153.3806
Total	**0.1174**	**0.9425**	**1.0364**	**1.8400e-003**		**0.0396**	**0.0396**		**0.0379**	**0.0379**	**0.0000**	**152.6697**	**152.6697**	**0.0284**	**0.0000**	**153.3806**

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	4.0700e-003	0.1318	0.0787	4.4000e-004	0.0115	1.8000e-004	0.0117	3.3300e-003	1.7000e-004	3.5000e-003	0.0000	43.8750	43.8750	3.9300e-003	0.0000	43.9732
Worker	0.0204	0.0116	0.1358	5.8000e-004	0.0735	4.3000e-004	0.0739	0.0196	3.9000e-004	0.0200	0.0000	52.5816	52.5816	7.9000e-004	0.0000	52.6014
Total	**0.0245**	**0.1433**	**0.2145**	**1.0200e-003**	**0.0850**	**6.1000e-004**	**0.0856**	**0.0229**	**5.6000e-004**	**0.0235**	**0.0000**	**96.4565**	**96.4565**	**4.7200e-003**	**0.0000**	**96.5746**

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	0.0666	0.3676	1.1346	1.8400e-003		0.0124	0.0124		0.0124	0.0124	0.0000	152.6696	152.6696	0.0284	0.0000	153.3804
Total	**0.0666**	**0.3676**	**1.1346**	**1.8400e-003**		**0.0124**	**0.0124**		**0.0124**	**0.0124**	**0.0000**	**152.6696**	**152.6696**	**0.0284**	**0.0000**	**153.3804**

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	4.0700e-003	0.1318	0.0787	4.4000e-004	0.0115	1.8000e-004	0.0117	3.3300e-003	1.7000e-004	3.5000e-003	0.0000	43.8750	43.8750	3.9300e-003	0.0000	43.9732
Worker	0.0204	0.0116	0.1358	5.8000e-004	0.0735	4.3000e-004	0.0739	0.0196	3.9000e-004	0.0200	0.0000	52.5816	52.5816	7.9000e-004	0.0000	52.6014
Total	**0.0245**	**0.1433**	**0.2145**	**1.0200e-003**	**0.0850**	**6.1000e-004**	**0.0856**	**0.0229**	**5.6000e-004**	**0.0235**	**0.0000**	**96.4565**	**96.4565**	**4.7200e-003**	**0.0000**	**96.5746**

3.5 Paving - 2024

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	0.0147	0.1418	0.2049	3.1000e-004		6.9200e-003	6.9200e-003		6.3900e-003	6.3900e-003	0.0000	27.1507	27.1507	8.6000e-003	0.0000	27.3658
Paving	1.4500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0162**	**0.1418**	**0.2049**	**3.1000e-004**		**6.9200e-003**	**6.9200e-003**		**6.3900e-003**	**6.3900e-003**	**0.0000**	**27.1507**	**27.1507**	**8.6000e-003**	**0.0000**	**27.3658**

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	1.6000e-004	5.2300e-003	3.1200e-003	2.0000e-005	4.6000e-004	1.0000e-005	4.6000e-004	1.3000e-004	1.0000e-005	1.4000e-004	0.0000	1.7411	1.7411	1.6000e-004	0.0000	1.7450
Worker	5.7000e-004	3.2000e-004	3.8200e-003	2.0000e-005	2.0700e-003	1.0000e-005	2.0800e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.4787	1.4787	2.0000e-005	0.0000	1.4792
Total	**7.3000e-004**	**5.5500e-003**	**6.9400e-003**	**4.0000e-005**	**2.5300e-003**	**2.0000e-005**	**2.5400e-003**	**6.8000e-004**	**2.0000e-005**	**7.0000e-004**	**0.0000**	**3.2197**	**3.2197**	**1.8000e-004**	**0.0000**	**3.2242**

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	4.7100e-003	0.0224	0.2324	3.1000e-004		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	27.1507	27.1507	8.6000e-003	0.0000	27.3658
Paving	1.4500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.1600e-003**	**0.0224**	**0.2324**	**3.1000e-004**		**7.4000e-004**	**7.4000e-004**		**7.4000e-004**	**7.4000e-004**	**0.0000**	**27.1507**	**27.1507**	**8.6000e-003**	**0.0000**	**27.3658**

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	1.6000e-004	5.2300e-003	3.1200e-003	2.0000e-005	4.6000e-004	1.0000e-005	4.6000e-004	1.3000e-004	1.0000e-005	1.4000e-004	0.0000	1.7411	1.7411	1.6000e-004	0.0000	1.7450
Worker	5.7000e-004	3.2000e-004	3.8200e-003	2.0000e-005	2.0700e-003	1.0000e-005	2.0800e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.4787	1.4787	2.0000e-005	0.0000	1.4792
Total	**7.3000e-004**	**5.5500e-003**	**6.9400e-003**	**4.0000e-005**	**2.5300e-003**	**2.0000e-005**	**2.5400e-003**	**6.8000e-004**	**2.0000e-005**	**7.0000e-004**	**0.0000**	**3.2197**	**3.2197**	**1.8000e-004**	**0.0000**	**3.2242**

3.6 Architectural Coating - 2024

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	1.0890					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4300e-003	0.0232	0.0344	6.0000e-005		1.1600e-003	1.1600e-003		1.1600e-003	1.1600e-003	0.0000	4.8512	4.8512	2.7000e-004	0.0000	4.8580
Total	**1.0925**	**0.0232**	**0.0344**	**6.0000e-005**		**1.1600e-003**	**1.1600e-003**		**1.1600e-003**	**1.1600e-003**	**0.0000**	**4.8512**	**4.8512**	**2.7000e-004**	**0.0000**	**4.8580**

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	7.0000e-005	2.1900e-003	1.8100e-003	1.0000e-005	2.0000e-004	0.0000	2.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.9210	0.9210	1.3000e-004	0.0000	0.9242
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	1.0400e-003	5.9000e-004	6.9100e-003	3.0000e-005	3.7400e-003	2.0000e-005	3.7600e-003	1.0000e-003	2.0000e-005	1.0100e-003	0.0000	2.6757	2.6757	4.0000e-005	0.0000	2.6767
Total	**1.1100e-003**	**2.7800e-003**	**8.7200e-003**	**4.0000e-005**	**3.9400e-003**	**2.0000e-005**	**3.9700e-003**	**1.0600e-003**	**2.0000e-005**	**1.0700e-003**	**0.0000**	**3.5967**	**3.5967**	**1.7000e-004**	**0.0000**	**3.6009**

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	1.0890					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.6000e-004	2.4500e-003	0.0348	6.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	4.8512	4.8512	2.7000e-004	0.0000	4.8580
Total	**1.0896**	**2.4500e-003**	**0.0348**	**6.0000e-005**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**	**0.0000**	**4.8512**	**4.8512**	**2.7000e-004**	**0.0000**	**4.8580**

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	7.0000e-005	2.1900e-003	1.8100e-003	1.0000e-005	2.0000e-004	0.0000	2.1000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.9210	0.9210	1.3000e-004	0.0000	0.9242
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	1.0400e-003	5.9000e-004	6.9100e-003	3.0000e-005	3.7400e-003	2.0000e-005	3.7600e-003	1.0000e-003	2.0000e-005	1.0100e-003	0.0000	2.6757	2.6757	4.0000e-005	0.0000	2.6767
Total	**1.1100e-003**	**2.7800e-003**	**8.7200e-003**	**4.0000e-005**	**3.9400e-003**	**2.0000e-005**	**3.9700e-003**	**1.0600e-003**	**2.0000e-005**	**1.0700e-003**	**0.0000**	**3.5967**	**3.5967**	**1.7000e-004**	**0.0000**	**3.6009**

Midway Village Project Phase 3 - Mitigated Demolition
San Mateo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	4.71	Acre	4.71	205,167.60	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	70
Climate Zone	5			**Operational Year**	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	390.65	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Phase 3 Demolition (07/10/2025-09/03/2025) - Tier 4 mitigated equipment
CO2 intensity factor adjusted based on California's Renewables Energy Portfolio Standard and PG&E's 2017 power content label.

Land Use - Phase 3 Demolition

Construction Phase - Phase 3 Demolition (07/10/2025-09/03/2025)

Demolition - Phase 3 Demolition totaling approximately 7,619 tons of debris.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Energy Use -

Construction Off-road Equipment Mitigation - Tier 4 Final mitigation for construction equipment >50 HP
Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

Fleet Mix -

Trips and VMT - Twelve (12) additional hauling trips added to account for off-site trips associated with transport of off-road construction equipment.
753+12=765 total hauling trips

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	40.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	390.65
tblTripsAndVMT	HaulingTripNumber	753.00	765.00

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					
2025	0.0447	0.4515	0.4523	1.0700e-003	0.0903	0.0172	0.1075	0.0147	0.0160	0.0307	0.0000	98.6589	98.6589	0.0232	0.0000	99.2394
Maximum	**0.0447**	**0.4515**	**0.4523**	**1.0700e-003**	**0.0903**	**0.0172**	**0.1075**	**0.0147**	**0.0160**	**0.0307**	**0.0000**	**98.6589**	**98.6589**	**0.0232**	**0.0000**	**99.2394**

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					
2025	0.0121	0.1076	0.5295	1.0700e-003	0.0455	1.3800e-003	0.0468	7.9400e-003	1.3700e-003	9.3200e-003	0.0000	98.6588	98.6588	0.0232	0.0000	99.2393
Maximum	**0.0121**	**0.1076**	**0.5295**	**1.0700e-003**	**0.0455**	**1.3800e-003**	**0.0468**	**7.9400e-003**	**1.3700e-003**	**9.3200e-003**	**0.0000**	**98.6588**	**98.6588**	**0.0232**	**0.0000**	**99.2393**

	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	**72.96**	**76.17**	**-17.08**	**0.00**	**49.66**	**91.98**	**56.43**	**46.10**	**91.43**	**69.65**	**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	7-10-2025	9-30-2025	0.4946	0.1181
		Highest	0.4946	0.1181

Mitigated Operational

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	7/10/2025	9/3/2025	5	40	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.71

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

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	6	15.00	0.00	765.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2025

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					0.0815	0.0000	0.0815	0.0123	0.0000	0.0123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0419	0.3839	0.3884	7.8000e-004		0.0171	0.0171		0.0158	0.0158	0.0000	67.9953	67.9953	0.0190	0.0000	68.4700
Total	**0.0419**	**0.3839**	**0.3884**	**7.8000e-004**	**0.0815**	**0.0171**	**0.0986**	**0.0123**	**0.0158**	**0.0282**	**0.0000**	**67.9953**	**67.9953**	**0.0190**	**0.0000**	**68.4700**

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	2.2000e-003	0.0672	0.0598	2.8000e-004	6.4100e-003	1.3000e-004	6.5400e-003	1.7600e-003	1.3000e-004	1.8900e-003	0.0000	29.0413	29.0413	4.2100e-003	0.0000	29.1466
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	6.3000e-004	3.4000e-004	4.0700e-003	2.0000e-005	2.3600e-003	1.0000e-005	2.3800e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.6223	1.6223	2.0000e-005	0.0000	1.6229
Total	**2.8300e-003**	**0.0675**	**0.0639**	**3.0000e-004**	**8.7700e-003**	**1.4000e-004**	**8.9200e-003**	**2.3900e-003**	**1.4000e-004**	**2.5300e-003**	**0.0000**	**30.6636**	**30.6636**	**4.2300e-003**	**0.0000**	**30.7694**

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					0.0367	0.0000	0.0367	5.5500e-003	0.0000	5.5500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.2500e-003	0.0401	0.4656	7.8000e-004		1.2300e-003	1.2300e-003		1.2300e-003	1.2300e-003	0.0000	67.9952	67.9952	0.0190	0.0000	68.4699
Total	**9.2500e-003**	**0.0401**	**0.4656**	**7.8000e-004**	**0.0367**	**1.2300e-003**	**0.0379**	**5.5500e-003**	**1.2300e-003**	**6.7800e-003**	**0.0000**	**67.9952**	**67.9952**	**0.0190**	**0.0000**	**68.4699**

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	2.2000e-003	0.0672	0.0598	2.8000e-004	6.4100e-003	1.3000e-004	6.5400e-003	1.7600e-003	1.3000e-004	1.8900e-003	0.0000	29.0413	29.0413	4.2100e-003	0.0000	29.1466
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	6.3000e-004	3.4000e-004	4.0700e-003	2.0000e-005	2.3600e-003	1.0000e-005	2.3800e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.6223	1.6223	2.0000e-005	0.0000	1.6229
Total	**2.8300e-003**	**0.0675**	**0.0639**	**3.0000e-004**	**8.7700e-003**	**1.4000e-004**	**8.9200e-003**	**2.3900e-003**	**1.4000e-004**	**2.5300e-003**	**0.0000**	**30.6636**	**30.6636**	**4.2300e-003**	**0.0000**	**30.7694**

Midway Village Project Phase 3 - Mitigated Construction
San Mateo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	76.70	1000sqft	1.76	76,700.00	0
Apartments Low Rise	117.00	Dwelling Unit	2.54	191,197.00	335

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	70
Climate Zone	5			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	390.65	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Phase 3 Construction - Tier 4 mitigated equipment
CO2 intensity factor adjusted based on California's Renewables Energy Portfolio Standard (RPS) Program and PG&E's 2017 power content label

Land Use - Phase 3 proposed development based on Project Description dated October 21, 2019.

Construction Phase - Phase 3 conceptual construction schedule consistent with Project Description dated October 21, 2019.
Phase 3 Demolition (07/10/2025-09/03/2025) analyzed in a separate CalEEMod run.

Off-road Equipment -

Off-road Equipment - Adjusted building construction equipment usage based on project-specific information

Off-road Equipment - Additional grading equipment included based on project-specific information

Off-road Equipment -

Trips and VMT - Hauling trips added to account for transport of off-road construction equipment. Additional vendor trips included to account for anticipated paving off-site trips.

Grading - Material anticipated to be balanced on-site during Phase 3 construction.
No import or export in Phase 3 (43,092 total cubic yards of import for the project accounted for in phases 2 and 4).

Vehicle Trips - Construction run only

Woodstoves - Construction run only

Energy Use -

Construction Off-road Equipment Mitigation - Tier 4 Final mitigation for construction equipment >50 HP
Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	5.00	35.00
tblConstructionPhase	NumDays	8.00	25.00
tblConstructionPhase	NumDays	230.00	175.00
tblConstructionPhase	NumDays	18.00	48.00
tblConstructionPhase	NumDays	18.00	35.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	19.89	0.00
tblLandUse	LandUseSquareFeet	117,000.00	191,197.00
tblLandUse	LotAcreage	7.31	2.54
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	390.65
tblTripsAndVMT	HaulingTripNumber	0.00	32.00
tblTripsAndVMT	HaulingTripNumber	0.00	32.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

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					
2025	0.0841	0.8158	0.7145	1.5800e-003	0.4125	0.0345	0.4469	0.2198	0.0318	0.2515	0.0000	139.4453	139.4453	0.0391	0.0000	140.4218
2026	1.5100	1.2467	1.6588	3.4900e-003	0.0923	0.0477	0.1400	0.0249	0.0449	0.0697	0.0000	310.7062	310.7062	0.0549	0.0000	312.0775
Maximum	**1.5100**	**1.2467**	**1.6588**	**3.4900e-003**	**0.4125**	**0.0477**	**0.4469**	**0.2198**	**0.0449**	**0.2515**	**0.0000**	**310.7062**	**310.7062**	**0.0549**	**0.0000**	**312.0775**

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					
2025	0.0229	0.1064	0.8471	1.5800e-003	0.1935	2.7200e-003	0.1963	0.1010	2.7200e-003	0.1037	0.0000	139.4452	139.4452	0.0391	0.0000	140.4217
2026	1.4340	0.3877	1.8153	3.4900e-003	0.0923	7.7600e-003	0.1001	0.0249	7.7200e-003	0.0326	0.0000	310.7059	310.7059	0.0549	0.0000	312.0772
Maximum	**1.4340**	**0.3877**	**1.8153**	**3.4900e-003**	**0.1935**	**7.7600e-003**	**0.1963**	**0.1010**	**7.7200e-003**	**0.1037**	**0.0000**	**310.7059**	**310.7059**	**0.0549**	**0.0000**	**312.0772**

	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	**8.61**	**76.04**	**-12.18**	**0.00**	**43.37**	**87.24**	**49.51**	**48.53**	**86.38**	**57.57**	**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	7-10-2025	10-9-2025	0.3491	0.0338
2	10-10-2025	1-9-2026	0.6031	0.1139
3	1-10-2026	4-9-2026	0.4747	0.1644
4	4-10-2026	7-9-2026	0.6001	0.1952
5	7-10-2026	9-30-2026	1.4841	1.3029
		Highest	1.4841	1.3029

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	9/5/2025	10/23/2025	5	35	
2	Grading	Grading	11/1/2025	12/5/2025	5	25	
3	Building Construction	Building Construction	12/6/2025	8/7/2026	5	175	
4	Paving	Paving	6/1/2026	8/5/2026	5	48	
5	Architectural Coating	Architectural Coating	8/18/2026	10/5/2026	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 12.5

Acres of Paving: 1.76

Residential Indoor: 387,174; Residential Outdoor: 129,058; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Bore/Drill Rigs	1	8.00	221	0.50
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Trenchers	1	8.00	78	0.50
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	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
Site Preparation	7	18.00	0.00	32.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	116.00	25.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	23.00	0.00	32.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2025

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					0.3162	0.0000	0.3162	0.1738	0.0000	0.1738	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0433	0.4416	0.3135	6.7000e-004		0.0190	0.0190		0.0175	0.0175	0.0000	58.5672	58.5672	0.0189	0.0000	59.0408
Total	**0.0433**	**0.4416**	**0.3135**	**6.7000e-004**	**0.3162**	**0.0190**	**0.3352**	**0.1738**	**0.0175**	**0.1913**	**0.0000**	**58.5672**	**58.5672**	**0.0189**	**0.0000**	**59.0408**

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	9.0000e-005	2.8100e-003	2.5000e-003	1.0000e-005	2.7000e-004	1.0000e-005	2.7000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	1.2148	1.2148	1.8000e-004	0.0000	1.2192
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	6.6000e-004	3.6000e-004	4.2700e-003	2.0000e-005	2.4800e-003	1.0000e-005	2.4900e-003	6.6000e-004	1.0000e-005	6.7000e-004	0.0000	1.7034	1.7034	2.0000e-005	0.0000	1.7040
Total	**7.5000e-004**	**3.1700e-003**	**6.7700e-003**	**3.0000e-005**	**2.7500e-003**	**2.0000e-005**	**2.7600e-003**	**7.3000e-004**	**2.0000e-005**	**7.5000e-004**	**0.0000**	**2.9182**	**2.9182**	**2.0000e-004**	**0.0000**	**2.9232**

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					0.1423	0.0000	0.1423	0.0782	0.0000	0.0782	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.1500e-003	0.0353	0.3652	6.7000e-004		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	58.5672	58.5672	0.0189	0.0000	59.0407
Total	**8.1500e-003**	**0.0353**	**0.3652**	**6.7000e-004**	**0.1423**	**1.0900e-003**	**0.1434**	**0.0782**	**1.0900e-003**	**0.0793**	**0.0000**	**58.5672**	**58.5672**	**0.0189**	**0.0000**	**59.0407**

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	9.0000e-005	2.8100e-003	2.5000e-003	1.0000e-005	2.7000e-004	1.0000e-005	2.7000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	1.2148	1.2148	1.8000e-004	0.0000	1.2192
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	6.6000e-004	3.6000e-004	4.2700e-003	2.0000e-005	2.4800e-003	1.0000e-005	2.4900e-003	6.6000e-004	1.0000e-005	6.7000e-004	0.0000	1.7034	1.7034	2.0000e-005	0.0000	1.7040
Total	**7.5000e-004**	**3.1700e-003**	**6.7700e-003**	**3.0000e-005**	**2.7500e-003**	**2.0000e-005**	**2.7600e-003**	**7.3000e-004**	**2.0000e-005**	**7.5000e-004**	**0.0000**	**2.9182**	**2.9182**	**2.0000e-004**	**0.0000**	**2.9232**

3.3 Grading - 2025

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					0.0819	0.0000	0.0819	0.0421	0.0000	0.0421	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0256	0.2515	0.2393	5.3000e-004		0.0110	0.0110		0.0101	0.0101	0.0000	46.7007	46.7007	0.0151	0.0000	47.0783
Total	**0.0256**	**0.2515**	**0.2393**	**5.3000e-004**	**0.0819**	**0.0110**	**0.0929**	**0.0421**	**0.0101**	**0.0522**	**0.0000**	**46.7007**	**46.7007**	**0.0151**	**0.0000**	**47.0783**

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	5.3000e-004	2.8000e-004	3.3900e-003	1.0000e-005	1.9700e-003	1.0000e-005	1.9800e-003	5.2000e-004	1.0000e-005	5.3000e-004	0.0000	1.3519	1.3519	2.0000e-005	0.0000	1.3524
Total	**5.3000e-004**	**2.8000e-004**	**3.3900e-003**	**1.0000e-005**	**1.9700e-003**	**1.0000e-005**	**1.9800e-003**	**5.2000e-004**	**1.0000e-005**	**5.3000e-004**	**0.0000**	**1.3519**	**1.3519**	**2.0000e-005**	**0.0000**	**1.3524**

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					0.0369	0.0000	0.0369	0.0189	0.0000	0.0189	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.5200e-003	0.0282	0.3073	5.3000e-004		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	46.7007	46.7007	0.0151	0.0000	47.0783
Total	**6.5200e-003**	**0.0282**	**0.3073**	**5.3000e-004**	**0.0369**	**8.7000e-004**	**0.0377**	**0.0189**	**8.7000e-004**	**0.0198**	**0.0000**	**46.7007**	**46.7007**	**0.0151**	**0.0000**	**47.0783**

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	5.3000e-004	2.8000e-004	3.3900e-003	1.0000e-005	1.9700e-003	1.0000e-005	1.9800e-003	5.2000e-004	1.0000e-005	5.3000e-004	0.0000	1.3519	1.3519	2.0000e-005	0.0000	1.3524
Total	**5.3000e-004**	**2.8000e-004**	**3.3900e-003**	**1.0000e-005**	**1.9700e-003**	**1.0000e-005**	**1.9800e-003**	**5.2000e-004**	**1.0000e-005**	**5.3000e-004**	**0.0000**	**1.3519**	**1.3519**	**2.0000e-005**	**0.0000**	**1.3524**

3.4 Building Construction - 2025

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	0.0113	0.1017	0.1272	2.2000e-004		4.3200e-003	4.3200e-003		4.0700e-003	4.0700e-003	0.0000	18.7148	18.7148	4.2100e-003	0.0000	18.8201
Total	**0.0113**	**0.1017**	**0.1272**	**2.2000e-004**		**4.3200e-003**	**4.3200e-003**		**4.0700e-003**	**4.0700e-003**	**0.0000**	**18.7148**	**18.7148**	**4.2100e-003**	**0.0000**	**18.8201**

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	5.1000e-004	0.0164	0.0102	5.0000e-005	1.4700e-003	2.0000e-005	1.4900e-003	4.2000e-004	2.0000e-005	4.5000e-004	0.0000	5.5469	5.5469	5.0000e-004	0.0000	5.5595
Worker	2.1900e-003	1.1900e-003	0.0142	6.0000e-005	8.2200e-003	5.0000e-005	8.2700e-003	2.1900e-003	4.0000e-005	2.2300e-003	0.0000	5.6455	5.6455	8.0000e-005	0.0000	5.6476
Total	**2.7000e-003**	**0.0175**	**0.0244**	**1.1000e-004**	**9.6900e-003**	**7.0000e-005**	**9.7600e-003**	**2.6100e-003**	**6.0000e-005**	**2.6800e-003**	**0.0000**	**11.1924**	**11.1924**	**5.8000e-004**	**0.0000**	**11.2071**

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	4.2400e-003	0.0219	0.1401	2.2000e-004		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	18.7148	18.7148	4.2100e-003	0.0000	18.8200
Total	**4.2400e-003**	**0.0219**	**0.1401**	**2.2000e-004**		**6.7000e-004**	**6.7000e-004**		**6.7000e-004**	**6.7000e-004**	**0.0000**	**18.7148**	**18.7148**	**4.2100e-003**	**0.0000**	**18.8200**

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	5.1000e-004	0.0164	0.0102	5.0000e-005	1.4700e-003	2.0000e-005	1.4900e-003	4.2000e-004	2.0000e-005	4.5000e-004	0.0000	5.5469	5.5469	5.0000e-004	0.0000	5.5595
Worker	2.1900e-003	1.1900e-003	0.0142	6.0000e-005	8.2200e-003	5.0000e-005	8.2700e-003	2.1900e-003	4.0000e-005	2.2300e-003	0.0000	5.6455	5.6455	8.0000e-005	0.0000	5.6476
Total	**2.7000e-003**	**0.0175**	**0.0244**	**1.1000e-004**	**9.6900e-003**	**7.0000e-005**	**9.7600e-003**	**2.6100e-003**	**6.0000e-005**	**2.6800e-003**	**0.0000**	**11.1924**	**11.1924**	**5.8000e-004**	**0.0000**	**11.2071**

3.4 Building Construction - 2026

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	0.0983	0.8872	1.1095	1.9000e-003		0.0377	0.0377		0.0355	0.0355	0.0000	163.2350	163.2350	0.0367	0.0000	164.1527
Total	**0.0983**	**0.8872**	**1.1095**	**1.9000e-003**		**0.0377**	**0.0377**		**0.0355**	**0.0355**	**0.0000**	**163.2350**	**163.2350**	**0.0367**	**0.0000**	**164.1527**

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	4.3200e-003	0.1387	0.0908	4.7000e-004	0.0128	1.9000e-004	0.0130	3.7000e-003	1.8000e-004	3.8800e-003	0.0000	47.9726	47.9726	4.4400e-003	0.0000	48.0836
Worker	0.0185	9.5700e-003	0.1163	5.3000e-004	0.0717	4.0000e-004	0.0721	0.0191	3.6000e-004	0.0194	0.0000	47.5639	47.5639	6.5000e-004	0.0000	47.5802
Total	**0.0228**	**0.1483**	**0.2071**	**1.0000e-003**	**0.0845**	**5.9000e-004**	**0.0851**	**0.0228**	**5.4000e-004**	**0.0233**	**0.0000**	**95.5365**	**95.5365**	**5.0900e-003**	**0.0000**	**95.6638**

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	0.0369	0.1907	1.2219	1.9000e-003		5.8300e-003	5.8300e-003		5.8300e-003	5.8300e-003	0.0000	163.2348	163.2348	0.0367	0.0000	164.1525
Total	**0.0369**	**0.1907**	**1.2219**	**1.9000e-003**		**5.8300e-003**	**5.8300e-003**		**5.8300e-003**	**5.8300e-003**	**0.0000**	**163.2348**	**163.2348**	**0.0367**	**0.0000**	**164.1525**

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	4.3200e-003	0.1387	0.0908	4.7000e-004	0.0128	1.9000e-004	0.0130	3.7000e-003	1.8000e-004	3.8800e-003	0.0000	47.9726	47.9726	4.4400e-003	0.0000	48.0836
Worker	0.0185	9.5700e-003	0.1163	5.3000e-004	0.0717	4.0000e-004	0.0721	0.0191	3.6000e-004	0.0194	0.0000	47.5639	47.5639	6.5000e-004	0.0000	47.5802
Total	**0.0228**	**0.1483**	**0.2071**	**1.0000e-003**	**0.0845**	**5.9000e-004**	**0.0851**	**0.0228**	**5.4000e-004**	**0.0233**	**0.0000**	**95.5365**	**95.5365**	**5.0900e-003**	**0.0000**	**95.6638**

3.5 Paving - 2026

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	0.0197	0.1808	0.2923	4.5000e-004		8.4600e-003	8.4600e-003		7.8200e-003	7.8200e-003	0.0000	39.3078	39.3078	0.0124	0.0000	39.6166
Paving	2.3100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0220**	**0.1808**	**0.2923**	**4.5000e-004**		**8.4600e-003**	**8.4600e-003**		**7.8200e-003**	**7.8200e-003**	**0.0000**	**39.3078**	**39.3078**	**0.0124**	**0.0000**	**39.6166**

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	2.1000e-004	6.7900e-003	4.4400e-003	2.0000e-005	6.3000e-004	1.0000e-005	6.4000e-004	1.8000e-004	1.0000e-005	1.9000e-004	0.0000	2.3467	2.3467	2.2000e-004	0.0000	2.3521
Worker	9.7000e-004	5.0000e-004	6.1300e-003	3.0000e-005	3.7800e-003	2.0000e-005	3.8000e-003	1.0100e-003	2.0000e-005	1.0200e-003	0.0000	2.5072	2.5072	3.0000e-005	0.0000	2.5081
Total	**1.1800e-003**	**7.2900e-003**	**0.0106**	**5.0000e-005**	**4.4100e-003**	**3.0000e-005**	**4.4400e-003**	**1.1900e-003**	**3.0000e-005**	**1.2100e-003**	**0.0000**	**4.8539**	**4.8539**	**2.5000e-004**	**0.0000**	**4.8602**

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	7.3800e-003	0.0361	0.3359	4.5000e-004		1.2200e-003	1.2200e-003		1.2200e-003	1.2200e-003	0.0000	39.3077	39.3077	0.0124	0.0000	39.6165
Paving	2.3100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.6900e-003**	**0.0361**	**0.3359**	**4.5000e-004**		**1.2200e-003**	**1.2200e-003**		**1.2200e-003**	**1.2200e-003**	**0.0000**	**39.3077**	**39.3077**	**0.0124**	**0.0000**	**39.6165**

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	2.1000e-004	6.7900e-003	4.4400e-003	2.0000e-005	6.3000e-004	1.0000e-005	6.4000e-004	1.8000e-004	1.0000e-005	1.9000e-004	0.0000	2.3467	2.3467	2.2000e-004	0.0000	2.3521
Worker	9.7000e-004	5.0000e-004	6.1300e-003	3.0000e-005	3.7800e-003	2.0000e-005	3.8000e-003	1.0100e-003	2.0000e-005	1.0200e-003	0.0000	2.5072	2.5072	3.0000e-005	0.0000	2.5081
Total	**1.1800e-003**	**7.2900e-003**	**0.0106**	**5.0000e-005**	**4.4100e-003**	**3.0000e-005**	**4.4400e-003**	**1.1900e-003**	**3.0000e-005**	**1.2100e-003**	**0.0000**	**4.8539**	**4.8539**	**2.5000e-004**	**0.0000**	**4.8602**

3.6 Architectural Coating - 2026

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	1.3619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9900e-003	0.0201	0.0317	5.0000e-005		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.0000	4.4682	4.4682	2.4000e-004	0.0000	4.4743
Total	**1.3649**	**0.0201**	**0.0317**	**5.0000e-005**		**9.0000e-004**	**9.0000e-004**		**9.0000e-004**	**9.0000e-004**	**0.0000**	**4.4682**	**4.4682**	**2.4000e-004**	**0.0000**	**4.4743**

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	9.0000e-005	2.7000e-003	2.5900e-003	1.0000e-005	2.7000e-004	1.0000e-005	2.7000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	1.2024	1.2024	1.8000e-004	0.0000	1.2069
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	8.2000e-004	4.2000e-004	5.1400e-003	2.0000e-005	3.1700e-003	2.0000e-005	3.1900e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.1024	2.1024	3.0000e-005	0.0000	2.1031
Total	**9.1000e-004**	**3.1200e-003**	**7.7300e-003**	**3.0000e-005**	**3.4400e-003**	**3.0000e-005**	**3.4600e-003**	**9.1000e-004**	**3.0000e-005**	**9.4000e-004**	**0.0000**	**3.3048**	**3.3048**	**2.1000e-004**	**0.0000**	**3.3100**

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	1.3619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.2000e-004	2.2500e-003	0.0321	5.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	4.4682	4.4682	2.4000e-004	0.0000	4.4743
Total	**1.3624**	**2.2500e-003**	**0.0321**	**5.0000e-005**		**7.0000e-005**	**7.0000e-005**		**7.0000e-005**	**7.0000e-005**	**0.0000**	**4.4682**	**4.4682**	**2.4000e-004**	**0.0000**	**4.4743**

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	9.0000e-005	2.7000e-003	2.5900e-003	1.0000e-005	2.7000e-004	1.0000e-005	2.7000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	1.2024	1.2024	1.8000e-004	0.0000	1.2069
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	8.2000e-004	4.2000e-004	5.1400e-003	2.0000e-005	3.1700e-003	2.0000e-005	3.1900e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.1024	2.1024	3.0000e-005	0.0000	2.1031
Total	**9.1000e-004**	**3.1200e-003**	**7.7300e-003**	**3.0000e-005**	**3.4400e-003**	**3.0000e-005**	**3.4600e-003**	**9.1000e-004**	**3.0000e-005**	**9.4000e-004**	**0.0000**	**3.3048**	**3.3048**	**2.1000e-004**	**0.0000**	**3.3100**

Midway Village Project Phase 4 - Mitigated Demolition
San Mateo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	3.75	Acre	3.75	163,350.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	70
Climate Zone	5			**Operational Year**	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	390.65	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Project Characteristics - Phase 4 Demolition (07/10/2025-09/03/2025) - Tier 4 mitigated equipment
CO2 intensity factor adjusted based on California's Renewables Energy Portfolio Standard and PG&E's 2017 power content label.

Land Use - Phase 4 Demolition

Construction Phase - Phase 4 Demolition (07/10/2025-09/03/2025)

Demolition - Phase 4 Demolition totaling approximately 1,789 tons of debris.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Energy Use -

Construction Off-road Equipment Mitigation - Tier 4 Final mitigation for construction equipment >50 HP
Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

Fleet Mix -

Trips and VMT - Twelve (12) additional hauling trips added to account for off-site trips associated with transport of off-road construction equipment.
177+12=189 total hauling trips

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	40.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	390.65
tblTripsAndVMT	HaulingTripNumber	177.00	189.00

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					
2025	0.0430	0.4009	0.4072	8.6000e-004	0.0231	0.0171	0.0402	3.9600e-003	0.0159	0.0198	0.0000	76.7925	76.7925	0.0201	0.0000	77.2937
Maximum	**0.0430**	**0.4009**	**0.4072**	**8.6000e-004**	**0.0231**	**0.0171**	**0.0402**	**3.9600e-003**	**0.0159**	**0.0198**	**0.0000**	**76.7925**	**76.7925**	**0.0201**	**0.0000**	**77.2937**

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					
2025	0.0104	0.0570	0.4845	8.6000e-004	0.0126	1.2800e-003	0.0138	2.3700e-003	1.2800e-003	3.6400e-003	0.0000	76.7924	76.7924	0.0201	0.0000	77.2937
Maximum	**0.0104**	**0.0570**	**0.4845**	**8.6000e-004**	**0.0126**	**1.2800e-003**	**0.0138**	**2.3700e-003**	**1.2800e-003**	**3.6400e-003**	**0.0000**	**76.7924**	**76.7924**	**0.0201**	**0.0000**	**77.2937**

	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	**75.78**	**85.78**	**-18.97**	**0.00**	**45.60**	**92.51**	**65.56**	**40.15**	**91.94**	**81.65**	**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	7-10-2025	9-30-2025	0.4435	0.0670
		Highest	0.4435	0.0670

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	7/10/2025	9/3/2025	5	40	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 3.75

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

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	6	15.00	0.00	189.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2025

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					0.0191	0.0000	0.0191	2.9000e-003	0.0000	2.9000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0419	0.3839	0.3884	7.8000e-004		0.0171	0.0171		0.0158	0.0158	0.0000	67.9953	67.9953	0.0190	0.0000	68.4700
Total	**0.0419**	**0.3839**	**0.3884**	**7.8000e-004**	**0.0191**	**0.0171**	**0.0362**	**2.9000e-003**	**0.0158**	**0.0187**	**0.0000**	**67.9953**	**67.9953**	**0.0190**	**0.0000**	**68.4700**

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	5.4000e-004	0.0166	0.0148	7.0000e-005	1.5800e-003	3.0000e-005	1.6200e-003	4.4000e-004	3.0000e-005	4.7000e-004	0.0000	7.1749	7.1749	1.0400e-003	0.0000	7.2009
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	6.3000e-004	3.4000e-004	4.0700e-003	2.0000e-005	2.3600e-003	1.0000e-005	2.3800e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.6223	1.6223	2.0000e-005	0.0000	1.6229
Total	**1.1700e-003**	**0.0169**	**0.0189**	**9.0000e-005**	**3.9400e-003**	**4.0000e-005**	**4.0000e-003**	**1.0700e-003**	**4.0000e-005**	**1.1100e-003**	**0.0000**	**8.7972**	**8.7972**	**1.0600e-003**	**0.0000**	**8.8238**

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					8.6100e-003	0.0000	8.6100e-003	1.3000e-003	0.0000	1.3000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.2500e-003	0.0401	0.4656	7.8000e-004		1.2300e-003	1.2300e-003		1.2300e-003	1.2300e-003	0.0000	67.9952	67.9952	0.0190	0.0000	68.4699
Total	**9.2500e-003**	**0.0401**	**0.4656**	**7.8000e-004**	**8.6100e-003**	**1.2300e-003**	**9.8400e-003**	**1.3000e-003**	**1.2300e-003**	**2.5300e-003**	**0.0000**	**67.9952**	**67.9952**	**0.0190**	**0.0000**	**68.4699**

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	5.4000e-004	0.0166	0.0148	7.0000e-005	1.5800e-003	3.0000e-005	1.6200e-003	4.4000e-004	3.0000e-005	4.7000e-004	0.0000	7.1749	7.1749	1.0400e-003	0.0000	7.2009
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	6.3000e-004	3.4000e-004	4.0700e-003	2.0000e-005	2.3600e-003	1.0000e-005	2.3800e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.6223	1.6223	2.0000e-005	0.0000	1.6229
Total	**1.1700e-003**	**0.0169**	**0.0189**	**9.0000e-005**	**3.9400e-003**	**4.0000e-005**	**4.0000e-003**	**1.0700e-003**	**4.0000e-005**	**1.1100e-003**	**0.0000**	**8.7972**	**8.7972**	**1.0600e-003**	**0.0000**	**8.8238**

Midway Village Project Phase 4 - Mitigated Construction (Phase 4 On-site)

San Mateo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	38.51	1000sqft	0.88	38,510.00	0
Apartments Low Rise	141.00	Dwelling Unit	5.25	226,526.00	403

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	70
Climate Zone	5			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	390.65	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Phase 4 Construction (On-site Construction) - Tier 4 mitigated equipment
CO2 intensity factor adjusted based on California's Renewables Energy Portfolio Standard and PG&E's 2017 power content label.
Land Use - Phase 4 proposed on-site development based on Project Description dated October 21, 2019.

Construction Phase - Phase 4 conceptual construction schedule consistent with Project Description dated October 21, 2019.
Phase 4 Demolition (07/10/2025-09/03/2025) analyzed in a separate CalEEMod run.

Off-road Equipment -

Off-road Equipment - Adjusted building construction equipment usage based on project-specific information

Off-road Equipment - Additional grading equipment included based on project-specific information

Off-road Equipment -

Trips and VMT - Additional hauling trips included to account for transport of off-road construction equipment. Additional vendor trips included to account for anticipated paving off-site trips.

Grading - Approximately 30,481 cubic yards to be imported in Phase 4 (43,092 total cubic yards of import for the project anticipated; 12,611 cubic yards accounted for in Phase 2 and 30,481 cubic yards accounted for in Phase 4)

Vehicle Trips - Construction run only

Woodstoves - Construction run only

Energy Use -

Construction Off-road Equipment Mitigation - Tier 4 Final mitigation for construction equipment >50 HP
Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	35.00
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	230.00	175.00
tblConstructionPhase	NumDays	20.00	48.00
tblConstructionPhase	NumDays	20.00	35.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	23.97	0.00
tblGrading	MaterialImported	0.00	30,481.00
tblLandUse	LandUseSquareFeet	141,000.00	226,526.00
tblLandUse	LotAcreage	8.81	5.25
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Grading
tblProjectCharacteristics	CO2IntensityFactor	641.35	390.65
tblTripsAndVMT	HaulingTripNumber	0.00	30.00
tblTripsAndVMT	HaulingTripNumber	0.00	30.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

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					
2025	0.0950	1.1478	1.0110	2.9400e-003	0.4460	0.0351	0.4811	0.2288	0.0324	0.2612	0.0000	283.2164	283.2164	0.0599	0.0000	284.7149
2026	1.7513	1.2496	1.7024	3.5100e-003	0.0907	0.0493	0.1399	0.0244	0.0463	0.0707	0.0000	311.9785	311.9785	0.0573	0.0000	313.4116
Maximum	**1.7513**	**1.2496**	**1.7024**	**3.5100e-003**	**0.4460**	**0.0493**	**0.4811**	**0.2288**	**0.0463**	**0.2612**	**0.0000**	**311.9785**	**311.9785**	**0.0599**	**0.0000**	**313.4116**

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					
2025	0.0338	0.4383	1.1436	2.9400e-003	0.2261	3.3800e-003	0.2295	0.1099	3.3500e-003	0.1132	0.0000	283.2163	283.2163	0.0599	0.0000	284.7147
2026	1.6723	0.3585	1.8805	3.5100e-003	0.0907	7.4100e-003	0.0981	0.0244	7.3700e-003	0.0318	0.0000	311.9782	311.9782	0.0573	0.0000	313.4113
Maximum	**1.6723**	**0.4383**	**1.8805**	**3.5100e-003**	**0.2261**	**7.4100e-003**	**0.2295**	**0.1099**	**7.3700e-003**	**0.1132**	**0.0000**	**311.9782**	**311.9782**	**0.0599**	**0.0000**	**313.4113**

	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	**7.60**	**66.76**	**-11.45**	**0.00**	**40.97**	**87.21**	**47.25**	**46.96**	**86.37**	**56.31**	**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	**7-10-2025**	**10-9-2025**	0.3490	0.0337
2	**10-10-2025**	**1-9-2026**	0.9470	0.4578
3	**1-10-2026**	**4-9-2026**	0.4656	0.1553
4	**4-10-2026**	**7-9-2026**	0.6060	0.1808
5	**7-10-2026**	**9-30-2026**	1.7077	1.5124
		Highest	1.7077	1.5124

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	9/5/2025	10/23/2025	5	35	
2	Grading	Grading	11/1/2025	12/5/2025	5	25	
3	Building Construction	Building Construction	12/6/2025	8/7/2026	5	175	
4	Paving	Paving	6/1/2026	8/5/2026	5	48	
5	Architectural Coating	Architectural Coating	8/18/2026	10/5/2026	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 12.5

Acres of Paving: 0.88

Residential Indoor: 458,715; Residential Outdoor: 152,905; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Bore/Drill Rigs	1	8.00	221	0.50
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Trenchers	1	8.00	78	0.50
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	2	7.00	97	0.37

Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	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
Site Preparation	7	18.00	0.00	30.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	3,810.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	118.00	21.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	24.00	0.00	30.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2025

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					0.3162	0.0000	0.3162	0.1738	0.0000	0.1738	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0433	0.4416	0.3135	6.7000e-004		0.0190	0.0190		0.0175	0.0175	0.0000	58.5672	58.5672	0.0189	0.0000	59.0408
Total	**0.0433**	**0.4416**	**0.3135**	**6.7000e-004**	**0.3162**	**0.0190**	**0.3352**	**0.1738**	**0.0175**	**0.1913**	**0.0000**	**58.5672**	**58.5672**	**0.0189**	**0.0000**	**59.0408**

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	9.0000e-005	2.6400e-003	2.3500e-003	1.0000e-005	2.5000e-004	1.0000e-005	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	1.1389	1.1389	1.7000e-004	0.0000	1.1430
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	6.6000e-004	3.6000e-004	4.2700e-003	2.0000e-005	2.4800e-003	1.0000e-005	2.4900e-003	6.6000e-004	1.0000e-005	6.7000e-004	0.0000	1.7034	1.7034	2.0000e-005	0.0000	1.7040
Total	**7.5000e-004**	**3.0000e-003**	**6.6200e-003**	**3.0000e-005**	**2.7300e-003**	**2.0000e-005**	**2.7500e-003**	**7.3000e-004**	**1.0000e-005**	**7.4000e-004**	**0.0000**	**2.8423**	**2.8423**	**1.9000e-004**	**0.0000**	**2.8470**

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					0.1423	0.0000	0.1423	0.0782	0.0000	0.0782	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.1500e-003	0.0353	0.3652	6.7000e-004		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	58.5672	58.5672	0.0189	0.0000	59.0407
Total	**8.1500e-003**	**0.0353**	**0.3652**	**6.7000e-004**	**0.1423**	**1.0900e-003**	**0.1434**	**0.0782**	**1.0900e-003**	**0.0793**	**0.0000**	**58.5672**	**58.5672**	**0.0189**	**0.0000**	**59.0407**

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	9.0000e-005	2.6400e-003	2.3500e-003	1.0000e-005	2.5000e-004	1.0000e-005	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	1.1389	1.1389	1.7000e-004	0.0000	1.1430
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	6.6000e-004	3.6000e-004	4.2700e-003	2.0000e-005	2.4800e-003	1.0000e-005	2.4900e-003	6.6000e-004	1.0000e-005	6.7000e-004	0.0000	1.7034	1.7034	2.0000e-005	0.0000	1.7040
Total	**7.5000e-004**	**3.0000e-003**	**6.6200e-003**	**3.0000e-005**	**2.7300e-003**	**2.0000e-005**	**2.7500e-003**	**7.3000e-004**	**1.0000e-005**	**7.4000e-004**	**0.0000**	**2.8423**	**2.8423**	**1.9000e-004**	**0.0000**	**2.8470**

3.3 Grading - 2025

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					0.0836	0.0000	0.0836	0.0424	0.0000	0.0424	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0256	0.2515	0.2393	5.3000e-004		0.0110	0.0110		0.0101	0.0101	0.0000	46.7007	46.7007	0.0151	0.0000	47.0783
Total	**0.0256**	**0.2515**	**0.2393**	**5.3000e-004**	**0.0836**	**0.0110**	**0.0946**	**0.0424**	**0.0101**	**0.0525**	**0.0000**	**46.7007**	**46.7007**	**0.0151**	**0.0000**	**47.0783**

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	0.0110	0.3347	0.2980	1.3700e-003	0.0319	6.6000e-004	0.0326	8.7700e-003	6.3000e-004	9.4000e-003	0.0000	144.6372	144.6372	0.0210	0.0000	145.1614
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	5.3000e-004	2.8000e-004	3.3900e-003	1.0000e-005	1.9700e-003	1.0000e-005	1.9800e-003	5.2000e-004	1.0000e-005	5.3000e-004	0.0000	1.3519	1.3519	2.0000e-005	0.0000	1.3524
Total	**0.0115**	**0.3350**	**0.3014**	**1.3800e-003**	**0.0339**	**6.7000e-004**	**0.0345**	**9.2900e-003**	**6.4000e-004**	**9.9300e-003**	**0.0000**	**145.9891**	**145.9891**	**0.0210**	**0.0000**	**146.5138**

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					0.0376	0.0000	0.0376	0.0191	0.0000	0.0191	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.5200e-003	0.0282	0.3073	5.3000e-004		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	46.7007	46.7007	0.0151	0.0000	47.0783
Total	**6.5200e-003**	**0.0282**	**0.3073**	**5.3000e-004**	**0.0376**	**8.7000e-004**	**0.0385**	**0.0191**	**8.7000e-004**	**0.0199**	**0.0000**	**46.7007**	**46.7007**	**0.0151**	**0.0000**	**47.0783**

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	0.0110	0.3347	0.2980	1.3700e-003	0.0319	6.6000e-004	0.0326	8.7700e-003	6.3000e-004	9.4000e-003	0.0000	144.6372	144.6372	0.0210	0.0000	145.1614
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	5.3000e-004	2.8000e-004	3.3900e-003	1.0000e-005	1.9700e-003	1.0000e-005	1.9800e-003	5.2000e-004	1.0000e-005	5.3000e-004	0.0000	1.3519	1.3519	2.0000e-005	0.0000	1.3524
Total	**0.0115**	**0.3350**	**0.3014**	**1.3800e-003**	**0.0339**	**6.7000e-004**	**0.0345**	**9.2900e-003**	**6.4000e-004**	**9.9300e-003**	**0.0000**	**145.9891**	**145.9891**	**0.0210**	**0.0000**	**146.5138**

3.4 Building Construction - 2025

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	0.0113	0.1017	0.1272	2.2000e-004		4.3200e-003	4.3200e-003		4.0700e-003	4.0700e-003	0.0000	18.7148	18.7148	4.2100e-003	0.0000	18.8201
Total	**0.0113**	**0.1017**	**0.1272**	**2.2000e-004**		**4.3200e-003**	**4.3200e-003**		**4.0700e-003**	**4.0700e-003**	**0.0000**	**18.7148**	**18.7148**	**4.2100e-003**	**0.0000**	**18.8201**

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	4.2000e-004	0.0137	8.5700e-003	5.0000e-005	1.2300e-003	2.0000e-005	1.2500e-003	3.6000e-004	2.0000e-005	3.7000e-004	0.0000	4.6594	4.6594	4.2000e-004	0.0000	4.6700
Worker	2.2300e-003	1.2100e-003	0.0144	6.0000e-005	8.3600e-003	5.0000e-005	8.4100e-003	2.2200e-003	4.0000e-005	2.2700e-003	0.0000	5.7429	5.7429	8.0000e-005	0.0000	5.7449
Total	**2.6500e-003**	**0.0149**	**0.0230**	**1.1000e-004**	**9.5900e-003**	**7.0000e-005**	**9.6600e-003**	**2.5800e-003**	**6.0000e-005**	**2.6400e-003**	**0.0000**	**10.4023**	**10.4023**	**5.0000e-004**	**0.0000**	**10.4149**

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	4.2400e-003	0.0219	0.1401	2.2000e-004		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	18.7148	18.7148	4.2100e-003	0.0000	18.8200
Total	**4.2400e-003**	**0.0219**	**0.1401**	**2.2000e-004**		**6.7000e-004**	**6.7000e-004**		**6.7000e-004**	**6.7000e-004**	**0.0000**	**18.7148**	**18.7148**	**4.2100e-003**	**0.0000**	**18.8200**

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	4.2000e-004	0.0137	8.5700e-003	5.0000e-005	1.2300e-003	2.0000e-005	1.2500e-003	3.6000e-004	2.0000e-005	3.7000e-004	0.0000	4.6594	4.6594	4.2000e-004	0.0000	4.6700
Worker	2.2300e-003	1.2100e-003	0.0144	6.0000e-005	8.3600e-003	5.0000e-005	8.4100e-003	2.2200e-003	4.0000e-005	2.2700e-003	0.0000	5.7429	5.7429	8.0000e-005	0.0000	5.7449
Total	**2.6500e-003**	**0.0149**	**0.0230**	**1.1000e-004**	**9.5900e-003**	**7.0000e-005**	**9.6600e-003**	**2.5800e-003**	**6.0000e-005**	**2.6400e-003**	**0.0000**	**10.4023**	**10.4023**	**5.0000e-004**	**0.0000**	**10.4149**

3.4 Building Construction - 2026

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	0.0983	0.8872	1.1095	1.9000e-003		0.0377	0.0377		0.0355	0.0355	0.0000	163.2350	163.2350	0.0367	0.0000	164.1527
Total	**0.0983**	**0.8872**	**1.1095**	**1.9000e-003**		**0.0377**	**0.0377**		**0.0355**	**0.0355**	**0.0000**	**163.2350**	**163.2350**	**0.0367**	**0.0000**	**164.1527**

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	3.6300e-003	0.1165	0.0763	4.0000e-004	0.0108	1.6000e-004	0.0109	3.1100e-003	1.5000e-004	3.2600e-003	0.0000	40.2970	40.2970	3.7300e-003	0.0000	40.3902
Worker	0.0188	9.7300e-003	0.1183	5.3000e-004	0.0729	4.0000e-004	0.0733	0.0194	3.7000e-004	0.0198	0.0000	48.3840	48.3840	6.6000e-004	0.0000	48.4005
Total	**0.0224**	**0.1263**	**0.1946**	**9.3000e-004**	**0.0837**	**5.6000e-004**	**0.0842**	**0.0225**	**5.2000e-004**	**0.0230**	**0.0000**	**88.6810**	**88.6810**	**4.3900e-003**	**0.0000**	**88.7907**

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	0.0369	0.1907	1.2219	1.9000e-003		5.8300e-003	5.8300e-003		5.8300e-003	5.8300e-003	0.0000	163.2348	163.2348	0.0367	0.0000	164.1525
Total	**0.0369**	**0.1907**	**1.2219**	**1.9000e-003**		**5.8300e-003**	**5.8300e-003**		**5.8300e-003**	**5.8300e-003**	**0.0000**	**163.2348**	**163.2348**	**0.0367**	**0.0000**	**164.1525**

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	3.6300e-003	0.1165	0.0763	4.0000e-004	0.0108	1.6000e-004	0.0109	3.1100e-003	1.5000e-004	3.2600e-003	0.0000	40.2970	40.2970	3.7300e-003	0.0000	40.3902
Worker	0.0188	9.7300e-003	0.1183	5.3000e-004	0.0729	4.0000e-004	0.0733	0.0194	3.7000e-004	0.0198	0.0000	48.3840	48.3840	6.6000e-004	0.0000	48.4005
Total	**0.0224**	**0.1263**	**0.1946**	**9.3000e-004**	**0.0837**	**5.6000e-004**	**0.0842**	**0.0225**	**5.2000e-004**	**0.0230**	**0.0000**	**88.6810**	**88.6810**	**4.3900e-003**	**0.0000**	**88.7907**

3.5 Paving - 2026

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	0.0220	0.2060	0.3499	5.5000e-004		0.0100	0.0100		9.2400e-003	9.2400e-003	0.0000	48.0462	48.0462	0.0155	0.0000	48.4347
Paving	1.1500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0231**	**0.2060**	**0.3499**	**5.5000e-004**		**0.0100**	**0.0100**		**9.2400e-003**	**9.2400e-003**	**0.0000**	**48.0462**	**48.0462**	**0.0155**	**0.0000**	**48.4347**

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	2.1000e-004	6.7900e-003	4.4400e-003	2.0000e-005	6.3000e-004	1.0000e-005	6.4000e-004	1.8000e-004	1.0000e-005	1.9000e-004	0.0000	2.3467	2.3467	2.2000e-004	0.0000	2.3521
Worker	7.3000e-004	3.8000e-004	4.6000e-003	2.0000e-005	2.8300e-003	2.0000e-005	2.8500e-003	7.5000e-004	1.0000e-005	7.7000e-004	0.0000	1.8804	1.8804	3.0000e-005	0.0000	1.8811
Total	**9.4000e-004**	**7.1700e-003**	**9.0400e-003**	**4.0000e-005**	**3.4600e-003**	**3.0000e-005**	**3.4900e-003**	**9.3000e-004**	**2.0000e-005**	**9.6000e-004**	**0.0000**	**4.2271**	**4.2271**	**2.5000e-004**	**0.0000**	**4.2332**

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	6.7300e-003	0.0292	0.4151	5.5000e-004		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.0000	48.0462	48.0462	0.0155	0.0000	48.4346
Paving	1.1500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.8800e-003**	**0.0292**	**0.4151**	**5.5000e-004**		**9.0000e-004**	**9.0000e-004**		**9.0000e-004**	**9.0000e-004**	**0.0000**	**48.0462**	**48.0462**	**0.0155**	**0.0000**	**48.4346**

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	2.1000e-004	6.7900e-003	4.4400e-003	2.0000e-005	6.3000e-004	1.0000e-005	6.4000e-004	1.8000e-004	1.0000e-005	1.9000e-004	0.0000	2.3467	2.3467	2.2000e-004	0.0000	2.3521
Worker	7.3000e-004	3.8000e-004	4.6000e-003	2.0000e-005	2.8300e-003	2.0000e-005	2.8500e-003	7.5000e-004	1.0000e-005	7.7000e-004	0.0000	1.8804	1.8804	3.0000e-005	0.0000	1.8811
Total	**9.4000e-004**	**7.1700e-003**	**9.0400e-003**	**4.0000e-005**	**3.4600e-003**	**3.0000e-005**	**3.4900e-003**	**9.3000e-004**	**2.0000e-005**	**9.6000e-004**	**0.0000**	**4.2271**	**4.2271**	**2.5000e-004**	**0.0000**	**4.2332**

3.6 Architectural Coating - 2026

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	1.6026					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9900e-003	0.0201	0.0317	5.0000e-005		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.0000	4.4682	4.4682	2.4000e-004	0.0000	4.4743
Total	**1.6056**	**0.0201**	**0.0317**	**5.0000e-005**		**9.0000e-004**	**9.0000e-004**		**9.0000e-004**	**9.0000e-004**	**0.0000**	**4.4682**	**4.4682**	**2.4000e-004**	**0.0000**	**4.4743**

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	9.0000e-005	2.5300e-003	2.4300e-003	1.0000e-005	2.5000e-004	1.0000e-005	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	1.1272	1.1272	1.7000e-004	0.0000	1.1314
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	8.5000e-004	4.4000e-004	5.3600e-003	2.0000e-005	3.3100e-003	2.0000e-005	3.3200e-003	8.8000e-004	2.0000e-005	9.0000e-004	0.0000	2.1938	2.1938	3.0000e-005	0.0000	2.1946
Total	**9.4000e-004**	**2.9700e-003**	**7.7900e-003**	**3.0000e-005**	**3.5600e-003**	**3.0000e-005**	**3.5800e-003**	**9.5000e-004**	**2.0000e-005**	**9.7000e-004**	**0.0000**	**3.3210**	**3.3210**	**2.0000e-004**	**0.0000**	**3.3260**

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	1.6026					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.2000e-004	2.2500e-003	0.0321	5.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	4.4682	4.4682	2.4000e-004	0.0000	4.4743
Total	**1.6032**	**2.2500e-003**	**0.0321**	**5.0000e-005**		**7.0000e-005**	**7.0000e-005**		**7.0000e-005**	**7.0000e-005**	**0.0000**	**4.4682**	**4.4682**	**2.4000e-004**	**0.0000**	**4.4743**

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	9.0000e-005	2.5300e-003	2.4300e-003	1.0000e-005	2.5000e-004	1.0000e-005	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	1.1272	1.1272	1.7000e-004	0.0000	1.1314
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	8.5000e-004	4.4000e-004	5.3600e-003	2.0000e-005	3.3100e-003	2.0000e-005	3.3200e-003	8.8000e-004	2.0000e-005	9.0000e-004	0.0000	2.1938	2.1938	3.0000e-005	0.0000	2.1946
Total	**9.4000e-004**	**2.9700e-003**	**7.7900e-003**	**3.0000e-005**	**3.5600e-003**	**3.0000e-005**	**3.5800e-003**	**9.5000e-004**	**2.0000e-005**	**9.7000e-004**	**0.0000**	**3.3210**	**3.3210**	**2.0000e-004**	**0.0000**	**3.3260**

Midway Village Project Phase 4 - Mitigated Construction (Phase 4 Off-site Road Improvements)

San Mateo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	27.15	1000sqft	0.62	27,150.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	70
Climate Zone	5			**Operational Year**	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	390.65	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Phase 4 Off-site Road Improvements - Tier 4 mitigated equipment
CO2 intensity factor adjusted based on California's Renewables Energy Portfolio Standard (RPS) Program and PG&E's 2017 power content label.

Land Use - Additional roadway improvements totaling approximately 27,150 square feet.
Improvements to Schwerin St. and Martin St.

Construction Phase - Adjusted construction schedule to match applicant-provided estimated duration of 6 weeks for off-site roadway improvements.

Trips and VMT - Two additional vendor trips per day added to the paving phase to account for anticipated paving off-site trips. Additional hauling trips included to account for transport of off-road construction equipment.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Energy Use -

Construction Off-road Equipment Mitigation - Tier 4 Final mitigation for construction equipment >50 HP
Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	5.00	28.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	390.65
tblTripsAndVMT	HaulingTripNumber	0.00	13.00
tblTripsAndVMT	HaulingTripNumber	0.00	13.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

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					
2025	0.0102	0.0810	0.1145	2.1000e-004	3.5000e-003	3.3700e-003	6.8700e-003	1.1100e-003	3.1600e-003	4.2700e-003	0.0000	17.7388	17.7388	4.3900e-003	0.0000	17.8484
Maximum	**0.0102**	**0.0810**	**0.1145**	**2.1000e-004**	**3.5000e-003**	**3.3700e-003**	**6.8700e-003**	**1.1100e-003**	**3.1600e-003**	**4.2700e-003**	**0.0000**	**17.7388**	**17.7388**	**4.3900e-003**	**0.0000**	**17.8484**

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					
2025	5.7300e-003	0.0277	0.1270	2.1000e-004	2.9400e-003	8.5000e-004	3.8000e-003	8.7000e-004	8.5000e-004	1.7200e-003	0.0000	17.7387	17.7387	4.3900e-003	0.0000	17.8484
Maximum	**5.7300e-003**	**0.0277**	**0.1270**	**2.1000e-004**	**2.9400e-003**	**8.5000e-004**	**3.8000e-003**	**8.7000e-004**	**8.5000e-004**	**1.7200e-003**	**0.0000**	**17.7387**	**17.7387**	**4.3900e-003**	**0.0000**	**17.8484**

	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	**43.77**	**65.79**	**-10.88**	**0.00**	**16.00**	**74.78**	**44.69**	**21.62**	**73.10**	**59.72**	**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	**9-5-2025**	**9-30-2025**	0.0546	0.0188
		Highest	0.0546	0.0188

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	9/5/2025	9/5/2025	5	1	
2	Grading	Grading	9/6/2025	9/9/2025	5	2	
3	Paving	Paving	9/10/2025	10/17/2025	5	28	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.62

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	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
Site Preparation	2	5.00	0.00	13.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	2.00	13.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2025

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					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.2000e-004	2.4000e-003	1.9100e-003	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.4274	0.4274	1.4000e-004	0.0000	0.4309
Total	**2.2000e-004**	**2.4000e-003**	**1.9100e-003**	**0.0000**	**2.7000e-004**	**8.0000e-005**	**3.5000e-004**	**3.0000e-005**	**8.0000e-005**	**1.1000e-004**	**0.0000**	**0.4274**	**0.4274**	**1.4000e-004**	**0.0000**	**0.4309**

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	4.0000e-005	1.1400e-003	1.0200e-003	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.4935	0.4935	7.0000e-005	0.0000	0.4953
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	1.0000e-005	0.0000	3.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0135	0.0135	0.0000	0.0000	0.0135
Total	**5.0000e-005**	**1.1400e-003**	**1.0500e-003**	**0.0000**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.5070**	**0.5070**	**7.0000e-005**	**0.0000**	**0.5088**

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					1.2000e-004	0.0000	1.2000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	2.6000e-004	2.6600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.4274	0.4274	1.4000e-004	0.0000	0.4309
Total	**6.0000e-005**	**2.6000e-004**	**2.6600e-003**	**0.0000**	**1.2000e-004**	**1.0000e-005**	**1.3000e-004**	**1.0000e-005**	**1.0000e-005**	**2.0000e-005**	**0.0000**	**0.4274**	**0.4274**	**1.4000e-004**	**0.0000**	**0.4309**

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	4.0000e-005	1.1400e-003	1.0200e-003	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.4935	0.4935	7.0000e-005	0.0000	0.4953
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	1.0000e-005	0.0000	3.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0135	0.0135	0.0000	0.0000	0.0135
Total	**5.0000e-005**	**1.1400e-003**	**1.0500e-003**	**0.0000**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.5070**	**0.5070**	**7.0000e-005**	**0.0000**	**0.5088**

3.3 Grading - 2025

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					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.7000e-004	5.1000e-003	7.3600e-003	1.0000e-005		2.1000e-004	2.1000e-004		2.0000e-004	2.0000e-004	0.0000	1.0425	1.0425	1.9000e-004	0.0000	1.0471
Total	**5.7000e-004**	**5.1000e-003**	**7.3600e-003**	**1.0000e-005**	**7.5000e-004**	**2.1000e-004**	**9.6000e-004**	**4.1000e-004**	**2.0000e-004**	**6.1000e-004**	**0.0000**	**1.0425**	**1.0425**	**1.9000e-004**	**0.0000**	**1.0471**

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	1.0000e-005	1.4000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0541	0.0541	0.0000	0.0000	0.0541
Total	**2.0000e-005**	**1.0000e-005**	**1.4000e-004**	**0.0000**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0541**	**0.0541**	**0.0000**	**0.0000**	**0.0541**

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					3.4000e-004	0.0000	3.4000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3000e-004	5.7000e-004	7.8500e-003	1.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	1.0425	1.0425	1.9000e-004	0.0000	1.0471
Total	**1.3000e-004**	**5.7000e-004**	**7.8500e-003**	**1.0000e-005**	**3.4000e-004**	**2.0000e-005**	**3.6000e-004**	**1.9000e-004**	**2.0000e-005**	**2.1000e-004**	**0.0000**	**1.0425**	**1.0425**	**1.9000e-004**	**0.0000**	**1.0471**

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	1.0000e-005	1.4000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0541	0.0541	0.0000	0.0000	0.0541
Total	**2.0000e-005**	**1.0000e-005**	**1.4000e-004**	**0.0000**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0541**	**0.0541**	**0.0000**	**0.0000**	**0.0541**

3.4 Paving - 2025

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	7.8900e-003	0.0689	0.0984	1.6000e-004		3.0600e-003	3.0600e-003		2.8600e-003	2.8600e-003	0.0000	13.1613	13.1613	3.8300e-003	0.0000	13.2571
Paving	8.1000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.7000e-003**	**0.0689**	**0.0984**	**1.6000e-004**		**3.0600e-003**	**3.0600e-003**		**2.8600e-003**	**2.8600e-003**	**0.0000**	**13.1613**	**13.1613**	**3.8300e-003**	**0.0000**	**13.2571**

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	4.0000e-005	1.1400e-003	1.0200e-003	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.4935	0.4935	7.0000e-005	0.0000	0.4953
Vendor	6.0000e-005	2.0300e-003	1.2700e-003	1.0000e-005	1.8000e-004	0.0000	1.9000e-004	5.0000e-005	0.0000	6.0000e-005	0.0000	0.6903	0.6903	6.0000e-005	0.0000	0.6919
Worker	5.3000e-004	2.9000e-004	3.4200e-003	2.0000e-005	1.9800e-003	1.0000e-005	2.0000e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.3627	1.3627	2.0000e-005	0.0000	1.3632
Total	**6.3000e-004**	**3.4600e-003**	**5.7100e-003**	**3.0000e-005**	**2.2700e-003**	**1.0000e-005**	**2.3000e-003**	**6.1000e-004**	**1.0000e-005**	**6.3000e-004**	**0.0000**	**2.5465**	**2.5465**	**1.5000e-004**	**0.0000**	**2.5504**

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	4.0300e-003	0.0223	0.1096	1.6000e-004		8.1000e-004	8.1000e-004		8.1000e-004	8.1000e-004	0.0000	13.1612	13.1612	3.8300e-003	0.0000	13.2571
Paving	8.1000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.8400e-003**	**0.0223**	**0.1096**	**1.6000e-004**		**8.1000e-004**	**8.1000e-004**		**8.1000e-004**	**8.1000e-004**	**0.0000**	**13.1612**	**13.1612**	**3.8300e-003**	**0.0000**	**13.2571**

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	4.0000e-005	1.1400e-003	1.0200e-003	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.4935	0.4935	7.0000e-005	0.0000	0.4953
Vendor	6.0000e-005	2.0300e-003	1.2700e-003	1.0000e-005	1.8000e-004	0.0000	1.9000e-004	5.0000e-005	0.0000	6.0000e-005	0.0000	0.6903	0.6903	6.0000e-005	0.0000	0.6919
Worker	5.3000e-004	2.9000e-004	3.4200e-003	2.0000e-005	1.9800e-003	1.0000e-005	2.0000e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.3627	1.3627	2.0000e-005	0.0000	1.3632
Total	**6.3000e-004**	**3.4600e-003**	**5.7100e-003**	**3.0000e-005**	**2.2700e-003**	**1.0000e-005**	**2.3000e-003**	**6.1000e-004**	**1.0000e-005**	**6.3000e-004**	**0.0000**	**2.5465**	**2.5465**	**1.5000e-004**	**0.0000**	**2.5504**

Midway Village Proposed Project—2026 Unmitigated Operations

San Mateo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	555.00	Dwelling Unit	10.42	864,840.00	1587
Day-Care Center	125.00	Student	0.38	16,760.00	0
Other Asphalt Surfaces	6.04	Acre	6.04	263,645.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	70
Climate Zone	5			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	390.65	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Midway Village Proposed Project Unmitigated Operations for the 2026 Operational Year
CO2 intensity factor adjusted based on Renewable Energy Portfolio Standard and PG&E's 2017 power content label.

Land Use - Full buildout
Proposed development based on Project Description dated October 21, 2019.

Construction Phase - Operational run only (construction analyzed separately)

Off-road Equipment - Zeroed out construction equipment-operational run only

Trips and VMT - Operational run only

Vehicle Trips - Trip generation rates based on the project-specific transportation analysis prepared by Hexagon Transportation, Inc.
ITE Manual, 10th Edition weekday, Saturday, and Sunday rates - ITE Land Uses 220 and 565.

Woodstoves - No woodburning fireplaces or woodstoves in compliance with BAAQMD Regulation 6 Particulate Matter and visible emissions, Rule 3 Wood-burning devices.

Energy Mitigation - Solar thermal PV panels would be included as a project design feature. Generation of kWh is unknown; therefore, no reductions for on-site renewable energy were quantified. Energy efficiency improvements at least 10% > Title 24 standards.

Area Mitigation - Compliance with BAAQMD Regulation 6, Rule 3 Wood-burning devices

Water Mitigation - Compliance with the Green Building Code Standards and the Water Efficient Land Use Ordinance

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	1.00
tblConstructionPhase	PhaseEndDate	7/28/2022	7/1/2022
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	94.35	0.00
tblLandUse	LandUseSquareFeet	555,000.00	864,840.00
tblLandUse	LandUseSquareFeet	7,065.35	16,760.00
tblLandUse	LandUseSquareFeet	263,102.40	263,645.00
tblLandUse	LotAcreage	34.69	10.42
tblLandUse	LotAcreage	0.16	0.38
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	390.65
tblTripsAndVMT	WorkerTripNumber	103.00	0.00
tblVehicleTrips	ST_TR	7.16	8.14
tblVehicleTrips	SU_TR	6.07	6.28
tblVehicleTrips	WD_TR	6.59	7.32
tblVehicleTrips	WD_TR	4.38	4.09
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

2.0 Emissions Summary

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	4.2079	0.0564	4.1221	2.7000e-004		0.0236	0.0236		0.0236	0.0236	0.0000	17.1267	17.1267	6.6500e-003	1.9000e-004	17.3498
Energy	0.0624	0.5339	0.2328	3.4000e-003		0.0431	0.0431		0.0431	0.0431	0.0000	1,045.2405	1,045.2405	0.0436	0.0179	1,051.6616
Mobile	0.8583	2.3940	9.3069	0.0345	3.6303	0.0274	3.6578	0.9757	0.0255	1.0013	0.0000	3,162.2020	3,162.2020	0.1134	0.0000	3,165.0358
Waste						0.0000	0.0000		0.0000	0.0000	56.4538	0.0000	56.4538	3.3363	0.0000	139.8619
Water						0.0000	0.0000		0.0000	0.0000	11.5682	49.5830	61.1512	1.1918	0.0288	99.5347
Total	**5.1286**	**2.9844**	**13.6618**	**0.0381**	**3.6303**	**0.0941**	**3.7244**	**0.9757**	**0.0922**	**1.0679**	**68.0220**	**4,274.1522**	**4,342.1742**	**4.6918**	**0.0469**	**4,473.4438**

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	4.2079	0.0564	4.1221	2.7000e-004		0.0236	0.0236		0.0236	0.0236	0.0000	17.1267	17.1267	6.6500e-003	1.9000e-004	17.3498
Energy	0.0570	0.4874	0.2125	3.1100e-003		0.0393	0.0393		0.0393	0.0393	0.0000	988.9002	988.9002	0.0424	0.0169	994.9853
Mobile	0.8583	2.3940	9.3069	0.0345	3.6303	0.0274	3.6578	0.9757	0.0255	1.0013	0.0000	3,162.2020	3,162.2020	0.1134	0.0000	3,165.0358
Waste						0.0000	0.0000		0.0000	0.0000	56.4538	0.0000	56.4538	3.3363	0.0000	139.8619
Water						0.0000	0.0000		0.0000	0.0000	9.2546	39.6664	48.9209	0.9535	0.0231	79.6277
Total	**5.1232**	**2.9378**	**13.6414**	**0.0378**	**3.6303**	**0.0904**	**3.7207**	**0.9757**	**0.0884**	**1.0642**	**65.7084**	**4,207.8953**	**4,273.6037**	**4.4522**	**0.0401**	**4,396.8606**

	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	**0.11**	**1.56**	**0.15**	**0.76**	**0.00**	**4.00**	**0.10**	**0.00**	**4.08**	**0.35**	**3.40**	**1.55**	**1.58**	**5.11**	**14.50**	**1.71**

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	0.8583	2.3940	9.3069	0.0345	3.6303	0.0274	3.6578	0.9757	0.0255	1.0013	0.0000	3,162.2020	3,162.2020	0.1134	0.0000	3,165.0358
Unmitigated	0.8583	2.3940	9.3069	0.0345	3.6303	0.0274	3.6578	0.9757	0.0255	1.0013	0.0000	3,162.2020	3,162.2020	0.1134	0.0000	3,165.0358

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	4,062.60	4,517.70	3485.40	9,342,724	9,342,724
Day-Care Center	511.25	48.75	46.25	446,027	446,027
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	4,573.85	4,566.45	3,531.65	9,788,752	9,788,752

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Day-Care Center	9.50	7.30	7.30	12.70	82.30	5.00	28	58	14
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.458271	0.050791	0.272788	0.143353	0.016986	0.007324	0.025695	0.006686	0.004346	0.003010	0.009369	0.000540	0.000841
Day-Care Center	0.458271	0.050791	0.272788	0.143353	0.016986	0.007324	0.025695	0.006686	0.004346	0.003010	0.009369	0.000540	0.000841
Other Asphalt Surfaces	0.458271	0.050791	0.272788	0.143353	0.016986	0.007324	0.025695	0.006686	0.004346	0.003010	0.009369	0.000540	0.000841

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	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	425.3327	425.3327	0.0316	6.5300e-003	428.0688
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	427.8207	427.8207	0.0318	6.5700e-003	430.5728
NaturalGas Mitigated	0.0570	0.4874	0.2125	3.1100e-003		0.0393	0.0393		0.0393	0.0393	0.0000	563.5675	563.5675	0.0108	0.0103	566.9165
NaturalGas Unmitigated	0.0624	0.5339	0.2328	3.4000e-003		0.0431	0.0431		0.0431	0.0431	0.0000	617.4198	617.4198	0.0118	0.0113	621.0888

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					
Apartments Low Rise	1.1294e+007	0.0609	0.5204	0.2215	3.3200e-003		0.0421	0.0421		0.0421	0.0421	0.0000	602.6894	602.6894	0.0116	0.0111	606.2709
Day-Care Center	276037	1.4900e-003	0.0135	0.0114	8.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003	0.0000	14.7304	14.7304	2.8000e-004	2.7000e-004	14.8179
Other Asphalt Surfaces	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		**0.0624**	**0.5339**	**0.2328**	**3.4000e-003**		**0.0431**	**0.0431**		**0.0431**	**0.0431**	**0.0000**	**617.4198**	**617.4198**	**0.0118**	**0.0113**	**621.0888**

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					
Apartments Low Rise	1.03097e+007	0.0556	0.4751	0.2022	3.0300e-003		0.0384	0.0384		0.0384	0.0384	0.0000	550.1653	550.1653	0.0105	0.0101	553.4346
Day-Care Center	251149	1.3500e-003	0.0123	0.0103	7.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	13.4023	13.4023	2.6000e-004	2.5000e-004	13.4819
Other Asphalt Surfaces	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		**0.0569**	**0.4874**	**0.2125**	**3.1000e-003**		**0.0394**	**0.0394**		**0.0394**	**0.0394**	**0.0000**	**563.5675**	**563.5675**	**0.0108**	**0.0103**	**566.9165**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	2.33998e+006	414.6348	0.0308	6.3700e-003	417.3020
Day-Care Center	74414.4	13.1859	9.8000e-004	2.0000e-004	13.2708
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**427.8207**	**0.0318**	**6.5700e-003**	**430.5728**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	2.32705e+006	412.3428	0.0306	6.3300e-003	414.9953
Day-Care Center	73308.2	12.9899	9.6000e-004	2.0000e-004	13.0735
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**425.3327**	**0.0316**	**6.5300e-003**	**428.0688**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	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	4.2079	0.0564	4.1221	2.7000e-004		0.0236	0.0236		0.0236	0.0236	0.0000	17.1267	17.1267	6.6500e-003	1.9000e-004	17.3498
Unmitigated	4.2079	0.0564	4.1221	2.7000e-004		0.0236	0.0236		0.0236	0.0236	0.0000	17.1267	17.1267	6.6500e-003	1.9000e-004	17.3498

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	0.6230					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.4601					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.0500e-003	8.9700e-003	3.8200e-003	6.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	10.3929	10.3929	2.0000e-004	1.9000e-004	10.4546
Landscaping	0.1237	0.0474	4.1182	2.2000e-004		0.0229	0.0229		0.0229	0.0229	0.0000	6.7338	6.7338	6.4500e-003	0.0000	6.8951
Total	**4.2079**	**0.0564**	**4.1221**	**2.8000e-004**		**0.0236**	**0.0236**		**0.0236**	**0.0236**	**0.0000**	**17.1267**	**17.1267**	**6.6500e-003**	**1.9000e-004**	**17.3498**

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	0.6230					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.4601					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.0500e-003	8.9700e-003	3.8200e-003	6.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	10.3929	10.3929	2.0000e-004	1.9000e-004	10.4546
Landscaping	0.1237	0.0474	4.1182	2.2000e-004		0.0229	0.0229		0.0229	0.0229	0.0000	6.7338	6.7338	6.4500e-003	0.0000	6.8951
Total	**4.2079**	**0.0564**	**4.1221**	**2.8000e-004**		**0.0236**	**0.0236**		**0.0236**	**0.0236**	**0.0000**	**17.1267**	**17.1267**	**6.6500e-003**	**1.9000e-004**	**17.3498**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	48.9209	0.9535	0.0231	79.6277
Unmitigated	61.1512	1.1918	0.0288	99.5347

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	36.1605 / 22.7968	60.2812	1.1819	0.0286	98.3434
Day-Care Center	0.30303 / 0.77922	0.8700	9.9300e-003	2.5000e-004	1.1913
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**61.1512**	**1.1918**	**0.0288**	**99.5347**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	28.9284 / 18.2375	48.2250	0.9455	0.0229	78.6747
Day-Care Center	0.242424 / 0.623376	0.6960	7.9500e-003	2.0000e-004	0.9530
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**48.9210**	**0.9535**	**0.0231**	**79.6277**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	56.4538	3.3363	0.0000	139.8619
Unmitigated	56.4538	3.3363	0.0000	139.8619

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	255.3	51.8236	3.0627	0.0000	128.3908
Day-Care Center	22.81	4.6302	0.2736	0.0000	11.4712
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**56.4538**	**3.3363**	**0.0000**	**139.8619**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	255.3	51.8236	3.0627	0.0000	128.3908
Day-Care Center	22.81	4.6302	0.2736	0.0000	11.4712
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**56.4538**	**3.3363**	**0.0000**	**139.8619**

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

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

Midway Village Existing Emissions (2026 Operational Year)

San Mateo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	150.00	Dwelling Unit	15.93	157,885.00	429
Day-Care Center	109.00	Student	0.34	14,615.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	70
Climate Zone	5			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	390.65	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Midway Village Project Existing Emissions

Land Use - The Midway Village area currently consists of 172,500 square feet (sf) of residential, office, and day-care space.

Construction Phase - Existing emissions operational run only

Off-road Equipment - Zeroed out construction equipment

Trips and VMT - Zeroed out construction trips

Vehicle Trips - Adjusted weekday, Saturday, and Sunday consistent with rates provided in the project-specific Transportation Impact Analysis prepared by Hexagon Transportation Consultants.
ITE Manual, 10th Edition rates for ITE Land Uses 220 and 565.

Woodstoves - No woodburning fireplaces or woodstoves in compliance with BAAQMD Regulation 6 Particulate Matter and visible emissions, Rule 3 Wood-burning devices.

Area Mitigation - Compliance with BAAQMD Regulation 6, Rule 3 Wood-burning devices

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	1.00
tblConstructionPhase	PhaseEndDate	7/28/2022	7/1/2022
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	25.50	0.00
tblLandUse	LandUseSquareFeet	150,000.00	157,885.00
tblLandUse	LandUseSquareFeet	6,160.99	14,615.00
tblLandUse	LotAcreage	9.38	15.93
tblLandUse	LotAcreage	0.14	0.34
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	390.65
tblTripsAndVMT	WorkerTripNumber	23.00	0.00
tblVehicleTrips	ST_TR	7.16	8.14
tblVehicleTrips	SU_TR	6.07	6.28
tblVehicleTrips	WD_TR	6.59	7.32
tblVehicleTrips	WD_TR	4.38	4.09
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

2.0 Emissions Summary

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	0.8263	0.0153	1.1147	7.0000e-005		6.3700e-003	6.3700e-003		6.3700e-003	6.3700e-003	0.0000	4.6302	4.6302	1.8000e-003	5.0000e-005	4.6905
Energy	0.0178	0.1525	0.0698	9.7000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	299.2960	299.2960	0.0125	5.1200e-003	301.1351
Mobile	0.2678	0.7383	2.8281	0.0103	1.0807	8.2700e-003	1.0890	0.2905	7.6900e-003	0.2982	0.0000	944.5421	944.5421	0.0341	0.0000	945.3945
Waste						0.0000	0.0000		0.0000	0.0000	18.0439	0.0000	18.0439	1.0664	0.0000	44.7029
Water						0.0000	0.0000		0.0000	0.0000	3.1844	13.8664	17.0508	0.3281	7.9400e-003	27.6181
Total	**1.1118**	**0.9060**	**4.0126**	**0.0113**	**1.0807**	**0.0269**	**1.1076**	**0.2905**	**0.0263**	**0.3168**	**21.2283**	**1,262.3346**	**1,283.5629**	**1.4429**	**0.0131**	**1,323.5412**

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	0.8263	0.0153	1.1147	7.0000e-005		6.3700e-003	6.3700e-003		6.3700e-003	6.3700e-003	0.0000	4.6302	4.6302	1.8000e-003	5.0000e-005	4.6905
Energy	0.0178	0.1525	0.0698	9.7000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	299.2960	299.2960	0.0125	5.1200e-003	301.1351
Mobile	0.2678	0.7383	2.8281	0.0103	1.0807	8.2700e-003	1.0890	0.2905	7.6900e-003	0.2982	0.0000	944.5421	944.5421	0.0341	0.0000	945.3945
Waste						0.0000	0.0000		0.0000	0.0000	18.0439	0.0000	18.0439	1.0664	0.0000	44.7029
Water						0.0000	0.0000		0.0000	0.0000	3.1844	13.8664	17.0508	0.3281	7.9400e-003	27.6181
Total	**1.1118**	**0.9060**	**4.0126**	**0.0113**	**1.0807**	**0.0269**	**1.1076**	**0.2905**	**0.0263**	**0.3168**	**21.2283**	**1,262.3346**	**1,283.5629**	**1.4429**	**0.0131**	**1,323.5412**

	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**

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	0.2678	0.7383	2.8281	0.0103	1.0807	8.2700e-003	1.0890	0.2905	7.6900e-003	0.2982	0.0000	944.5421	944.5421	0.0341	0.0000	945.3945
Unmitigated	0.2678	0.7383	2.8281	0.0103	1.0807	8.2700e-003	1.0890	0.2905	7.6900e-003	0.2982	0.0000	944.5421	944.5421	0.0341	0.0000	945.3945

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,098.00	1,221.00	942.00	2,525,061	2,525,061
Day-Care Center	445.81	42.51	40.33	388,936	388,936
Total	1,543.81	1,263.51	982.33	2,913,996	2,913,996

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Day-Care Center	9.50	7.30	7.30	12.70	82.30	5.00	28	58	14

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.458271	0.050791	0.272788	0.143353	0.016986	0.007324	0.025695	0.006686	0.004346	0.003010	0.009369	0.000540	0.000841
Day-Care Center	0.458271	0.050791	0.272788	0.143353	0.016986	0.007324	0.025695	0.006686	0.004346	0.003010	0.009369	0.000540	0.000841

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	123.5618	123.5618	9.1700e-003	1.9000e-003	124.3567
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	123.5618	123.5618	9.1700e-003	1.9000e-003	124.3567
NaturalGas Mitigated	0.0178	0.1525	0.0698	9.7000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	175.7342	175.7342	3.3700e-003	3.2200e-003	176.7785
NaturalGas Unmitigated	0.0178	0.1525	0.0698	9.7000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	175.7342	175.7342	3.3700e-003	3.2200e-003	176.7785

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					
Apartments Low Rise	3.05243e+006	0.0165	0.1407	0.0599	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	162.8890	162.8890	3.1200e-003	2.9900e-003	163.8570
Day-Care Center	240709	1.3000e-003	0.0118	9.9100e-003	7.0000e-005		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.0000	12.8452	12.8452	2.5000e-004	2.4000e-004	12.9215
Total		**0.0178**	**0.1525**	**0.0698**	**9.7000e-004**		**0.0123**	**0.0123**		**0.0123**	**0.0123**	**0.0000**	**175.7342**	**175.7342**	**3.3700e-003**	**3.2300e-003**	**176.7785**

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					
Apartments Low Rise	3.05243e+006	0.0165	0.1407	0.0599	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	162.8890	162.8890	3.1200e-003	2.9900e-003	163.8570
Day-Care Center	240709	1.3000e-003	0.0118	9.9100e-003	7.0000e-005		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.0000	12.8452	12.8452	2.5000e-004	2.4000e-004	12.9215
Total		**0.0178**	**0.1525**	**0.0698**	**9.7000e-004**		**0.0123**	**0.0123**		**0.0123**	**0.0123**	**0.0000**	**175.7342**	**175.7342**	**3.3700e-003**	**3.2300e-003**	**176.7785**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	632427	112.0635	8.3200e-003	1.7200e-003	112.7843
Day-Care Center	64890.6	11.4984	8.5000e-004	1.8000e-004	11.5723
Total		**123.5618**	**9.1700e-003**	**1.9000e-003**	**124.3567**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	632427	112.0635	8.3200e-003	1.7200e-003	112.7843
Day-Care Center	64890.6	11.4984	8.5000e-004	1.8000e-004	11.5723
Total		**123.5618**	**9.1700e-003**	**1.9000e-003**	**124.3567**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	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	0.8263	0.0153	1.1147	7.0000e-005		6.3700e-003	6.3700e-003		6.3700e-003	6.3700e-003	0.0000	4.6302	4.6302	1.8000e-003	5.0000e-005	4.6905
Unmitigated	0.8263	0.0153	1.1147	7.0000e-005		6.3700e-003	6.3700e-003		6.3700e-003	6.3700e-003	0.0000	4.6302	4.6302	1.8000e-003	5.0000e-005	4.6905

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	0.1188					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6737					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.8000e-004	2.4300e-003	1.0300e-003	2.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	2.8089	2.8089	5.0000e-005	5.0000e-005	2.8256
Landscaping	0.0335	0.0128	1.1137	6.0000e-005		6.1800e-003	6.1800e-003		6.1800e-003	6.1800e-003	0.0000	1.8213	1.8213	1.7500e-003	0.0000	1.8650
Total	**0.8262**	**0.0153**	**1.1147**	**8.0000e-005**		**6.3800e-003**	**6.3800e-003**		**6.3800e-003**	**6.3800e-003**	**0.0000**	**4.6302**	**4.6302**	**1.8000e-003**	**5.0000e-005**	**4.6905**

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	0.1188					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6737					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.8000e-004	2.4300e-003	1.0300e-003	2.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	2.8089	2.8089	5.0000e-005	5.0000e-005	2.8256
Landscaping	0.0335	0.0128	1.1137	6.0000e-005		6.1800e-003	6.1800e-003		6.1800e-003	6.1800e-003	0.0000	1.8213	1.8213	1.7500e-003	0.0000	1.8650
Total	**0.8262**	**0.0153**	**1.1147**	**8.0000e-005**		**6.3800e-003**	**6.3800e-003**		**6.3800e-003**	**6.3800e-003**	**0.0000**	**4.6302**	**4.6302**	**1.8000e-003**	**5.0000e-005**	**4.6905**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	17.0508	0.3281	7.9400e-003	27.6181
Unmitigated	17.0508	0.3281	7.9400e-003	27.6181

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	9.7731 / 6.1613	16.2922	0.3194	7.7200e-003	26.5793
Day-Care Center	0.264242 / 0.67948	0.7586	8.6600e-003	2.1000e-004	1.0388
Total		**17.0508**	**0.3281**	**7.9300e-003**	**27.6181**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	9.7731 / 6.1613	16.2922	0.3194	7.7200e-003	26.5793
Day-Care Center	0.264242 / 0.67948	0.7586	8.6600e-003	2.1000e-004	1.0388
Total		**17.0508**	**0.3281**	**7.9300e-003**	**27.6181**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	18.0439	1.0664	0.0000	44.7029
Unmitigated	18.0439	1.0664	0.0000	44.7029

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	69	14.0064	0.8278	0.0000	34.7002
Day-Care Center	19.89	4.0375	0.2386	0.0000	10.0027
Total		**18.0439**	**1.0664**	**0.0000**	**44.7029**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	69	14.0064	0.8278	0.0000	34.7002
Day-Care Center	19.89	4.0375	0.2386	0.0000	10.0027
Total		**18.0439**	**1.0664**	**0.0000**	**44.7029**

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

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

APPENDIX B

Construction Health Risk Assessment Files

Midway Village Project—All Off-site Receptors Scenario

Phase 1—Demolition

Estimation of Annual On-site Construction Emissions

	Phase 1—Demolition	Total
Start of Construction	1/15/2021	
End of Construction	2/1/2021	
Number of Days	17	17
Number of Hours	408	408
Number of Construction Days	12	12
Number of Construction Hours (8 hours/day)	96	96

Size of the construction area source: **15,556 sq-meters**

	Year	On-site Construction Activity	Unmitigated Onsite DPM (tons)	Unmitigated Onsite PM2.5 (tons)	Year	On-site Construction Activity	Mitigated Onsite DPM (tons)	Mitigated Onsite PM2.5 (tons)
Phase 1	2021	On-Site Demolition	0.0087	0.0094	2021	On-Site Demolition	0.00037	0.00115

Total Unmitigated DPM (On-site)	8.650E-03	tons	**Total Mitigated DPM (On-site)**	3.700E-04 tons
Average Emission	7.847E+03	grams	Average Emission	3.357E+02 grams
	2.2706E-02	grams/sec		9.712E-04 grams/sec
	1.460E-06	grams/m2-sec		6.244E-08 grams/m2-sec
Total Unmitigated PM2.5 (On-site)	9.430E-03	tons	**Total Mitigated PM2.5 (On-site)**	1.150E-03 tons
Average Emission	8.555E+03	grams	Average Emission	1.043E+03 grams
	2.475E-02	grams/sec		3.019E-03 grams/sec
	1.591E-06	grams/m2-sec		1.941E-07 grams/m2-sec

Midway Village Project—All Off-site Receptors Scenario

Phase 1—Construction **Construction Area 1B (Phase 1)**

Estimation of Annual On-site Construction Emissions

	Phase 1—Construction	**Total**
Start of Construction	2/2/2021	
End of Construction	12/20/2021	
Number of Days	321	321
Number of Hours	7,704	7,704
Number of Construction Days	230	230
Number of Construction Hours (8 hours/day)	1,840	1,840

Size of the construction area source: **15,604 sq-meters**

	Year	**On-site Construction Activity**	**Unmitigated Onsite DPM (tons)**	**Unmitigated Onsite PM2.5 (tons)**	**Year**	**On-site Construction Activity**	**Mitigated Onsite DPM (tons)**	**Mitigated Onsite PM2.5 (tons)**
Phase 1	2021	On-Site Site Preperation	0.0188	0.0635	2021	On-Site Site Preperation	0.00062	0.0453
Phase 1	2021	On-Site Grading	0.0104	0.0218	2021	On-Site Grading	0.00052	0.0119
Phase 1	2021	On-Site Building Construction	0.0710	0.0710	2021	On-Site Building Construction	0.00941	0.00941
Phase 1	2021	On-Site Paving	0.0061	0.0061	2021	On-Site Paving	0.0006	0.0006
Phase 1	2021	On-Site Architectural Coating	0.0017	0.0017	2021	On-Site Architectural Coating	0.00007	0.00007

Total Unmitigated DPM (On-site)	1.080E-01	tons	**Total Mitigated DPM (On-site)**	1.120E-02	tons
Average Emission	9.797E+04	grams	Average Emission	1.016E+04	grams
	1.479E-02	grams/sec		1.534E-03	grams/sec
	9.478E-07	grams/m2-sec		9.830E-08	grams/m2-sec
Total Unmitigated PM2.5 (On-site)	1.641E-01	tons	**Total Mitigated PM2.5 (On-site)**	6.726E-02	tons
Average Emission	1.489E+05	grams	Average Emission	6.102E+04	grams
	2.247E-02	grams/sec		9.212E-03	grams/sec
	1.440E-06	grams/m2-sec		5.903E-07	grams/m2-sec

Midway Village Project—All Off-site Receptors Scenario

Phase 2—Demolition **Demolition Area 2A (Part 1 of 2 Phase 2)**

Estimation of Annual On-site Construction Emissions

	Phase 2—Demolition	**Total**
Start of Construction	9/1/2023	
End of Construction	10/5/2023	
Number of Days	34	34
Number of Hours	816	816
Number of Construction Days	25	25
Number of Construction Hours (8 hours/day)	200	200

Size of the construction area source: **12,692 sq-meters**

	Year	**On-site Construction Activity**	**Unmitigated Onsite DPM (tons)**	**Unmitigated Onsite PM2.5 (tons)**	**Year**	**On-site Construction Activity**	**Mitigated Onsite DPM (tons)**	**Mitigated Onsite PM2.5 (tons)**
Phase 2	2023	On-Site Demolition	0.0116	0.0150	2023	On-Site Demolition	0.00077	0.00416

Demolition Area 2A (Part 1 of 2 Phase 2)	12691.9
Demolition Area 2A (Part 2 of 2 Phase 2)	4089
Part 1 Percent	0.756330113

Total Unmitigated DPM (On-site)	8.773E-03	tons	**Total Mitigated DPM (On-site)**	5.824E-04 tons
Average Emission	7.959E+03	grams	Average Emission	5.283E+02 grams
	1.105E-02	grams/sec		7.338E-04 grams/sec
	8.710E-07	grams/m2-sec		5.781E-08 grams/m2-sec
Total Unmitigated PM2.5 (On-site)	1.134E-02	tons	**Total Mitigated PM2.5 (On-site)**	3.146E-03 tons
Average Emission	1.029E+04	grams	Average Emission	2.854E+03 grams
	1.429E-02	grams/sec		3.964E-03 grams/sec
	1.126E-06	grams/m2-sec		3.123E-07 grams/m2-sec

Midway Village Project—All Off-site Receptors Scenario

Phase 2—Demolition **Demolition Area 2A (Part 2 of 2 Phase 2)**

Estimation of Annual On-site Construction Emissions

	Phase 2—Demolition	**Total**
Start of Construction	9/1/2023	
End of Construction	10/5/2023	
Number of Days	34	34
Number of Hours	816	816
Number of Construction Days	25	25
Number of Construction Hours (8 hours/day)	200	200

Size of the construction area source: **4,089 sq-meters**

	Year	**On-site Construction Activity**	**Unmitigated Onsite DPM (tons)**	**Unmitigated Onsite PM2.5 (tons)**	**Year**	**On-site Construction Activity**	**Mitigated Onsite DPM (tons)**	**Mitigated Onsite PM2.5 (tons)**
Phase 2	2023	On-Site Demolition	0.0116	0.0150	2023	On-Site Demolition	0.00077	0.00416

Demolition Area 2A (Part 1 of 2 Phase 2)	12691.9
Demolition Area 2A (Part 2 of 2 Phase 2)	4089
Part 2 Percent	0.243669887

Total Unmitigated DPM (On-site)	2.827E-03	tons	**Total Mitigated DPM (On-site)**	1.876E-04 tons
Average Emission	2.564E+03	grams	Average Emission	1.702E+02 grams
	3.561E-03	grams/sec		2.364E-04 grams/sec
	8.710E-07	grams/m2-sec		5.781E-08 grams/m2-sec
Total Unmitigated PM2.5 (On-site)	3.655E-03	tons	**Total Mitigated PM2.5 (On-site)**	1.014E-03 tons
Average Emission	3.316E+03	grams	Average Emission	9.196E+02 grams
	4.605E-03	grams/sec		1.277E-03 grams/sec
	1.126E-06	grams/m2-sec		3.123E-07 grams/m2-sec

Midway Village Project—All Off-site Receptors Scenario

Phase 2—Construction **Construction Area 2B (Part 1 of 2 Phase 2)**

Estimation of Annual On-site Construction Emissions

	Phase 2—Construction	Phase 2—Construction	Phase 2—Construction	Phase 2—Construction	
Start of Construction	10/15/2023	11/26/2023	12/20/2023	8/3/2024	
End of Construction	11/22/2023	12/18/2023	7/23/2024	9/25/2024	**Total**
Number of Days	38	22	216	53	329
Number of Hours	912	528	5,184	1,272	7,896
Number of Construction Days	28	16	155	38	237
Number of Construction Hours (8 hours/day)	224	128	1,240	304	1,896

Size of the construction area source: **7,417 sq-meters**

	Year	**On-site Construction Activity**	**Unmitigated Onsite DPM (tons)**	**Unmitigated Onsite PM2.5 (tons)**	**Year**	**On-site Construction Activity**	**Mitigated Onsite DPM (tons)**	**Mitigated Onsite PM2.5 (tons)**
Phase 2	2023	On-Site Site Preperation	0.0070	0.0081	2023	On-Site Site Preperation	0.0006	0.0016
Phase 2	2023	On-Site Grading	0.0066	0.0188	2023	On-Site Grading	0.0004	0.0126
Phase 2	2023	On-Site Building Construction	0.0024	0.0024	2023	On-Site Building Construction	0.0008	0.0008
Phase 2	2024	On-Site Building Construction	0.0379	0.0379	2024	On-Site Building Construction	0.0124	0.0124
Phase 2	2024	On-Site Paving	0.0064	0.0064	2024	On-Site Paving	0.0007	0.0007
Phase 2	2024	On-Site Architectural Coating	0.0012	0.0012	2024	On-Site Architectural Coating	0.0001	0.0001

Part 1 Percent 0.763045804

Total Unmitigated DPM (On-site)	4.682E-02	tons	**Total Mitigated DPM (On-site)**	1.144E-02	tons
Average Emission	4.247E+04	grams	Average Emission	1.038E+04	grams
	6.223E-03	grams/sec		1.520E-03	grams/sec
	8.391E-07	grams/m2-sec		2.050E-07	grams/m2-sec
Total Unmitigated PM2.5 (On-site)	5.697E-02	tons	**Total Mitigated PM2.5 (On-site)**	2.154E-02	tons
Average Emission	5.168E+04	grams	Average Emission	1.954E+04	grams
	7.572E-03	grams/sec		2.863E-03	grams/sec
	1.021E-06	grams/m2-sec		3.860E-07	grams/m2-sec

Midway Village Project—All Off-site Receptors Scenario

Phase 2—Construction **Construction Area 2B and 2B/3B (Part 2 of Phase 2)**

Estimation of Annual On-site Construction Emissions

	Phase 2—Construction	Phase 2—Construction	Phase 2—Construction	Phase 2—Construction	
Start of Construction	10/15/2023	11/26/2023	12/20/2023	8/3/2024	
End of Construction	11/22/2023	12/18/2023	7/23/2024	9/25/2024	**Total**
Number of Days	38	22	216	53	329
Number of Hours	912	528	5,184	1,272	7,896
Number of Construction Days	28	16	155	38	237
Number of Construction Hours (8 hours/day)	224	128	1,240	304	1,896

Size of the construction area source: **2,303 sq-meters**

	Year	**On-site Construction Activity**	**Unmitigated Onsite DPM (tons)**	**Unmitigated Onsite PM2.5 (tons)**	**Year**	**On-site Construction Activity**	**Mitigated Onsite DPM (tons)**	**Mitigated Onsite PM2.5 (tons)**
Phase 2	2023	On-Site Site Preperation	0.0070	0.0081	2023	On-Site Site Preperation	0.0006	0.0016
Phase 2	2023	On-Site Grading	0.0066	0.0188	2023	On-Site Grading	0.0004	0.0126
Phase 2	2023	On-Site Building Construction	0.0024	0.0024	2023	On-Site Building Construction	0.0008	0.0008
Phase 2	2024	On-Site Building Construction	0.0379	0.0379	2024	On-Site Building Construction	0.0124	0.0124
Phase 2	2024	On-Site Paving	0.0064	0.0064	2024	On-Site Paving	0.0007	0.0007
Phase 2	2024	On-Site Architectural Coating	0.0012	0.0012	2024	On-Site Architectural Coating	0.0001	0.0001

Part 2 Percent 0.236954196

Total Unmitigated DPM (On-site)	1.454E-02	tons	**Total Mitigated DPM (On-site)**	3.552E-03	tons
Average Emission	1.319E+04	grams	Average Emission	3.222E+03	grams
	1.932E-03	grams/sec		4.721E-04	grams/sec
	8.391E-07	grams/m2-sec		2.050E-07	grams/m2-sec
Total Unmitigated PM2.5 (On-site)	1.769E-02	tons	**Total Mitigated PM2.5 (On-site)**	6.689E-03	tons
Average Emission	1.605E+04	grams	Average Emission	6.068E+03	grams
	2.351E-03	grams/sec		8.891E-04	grams/sec
	1.021E-06	grams/m2-sec		3.860E-07	grams/m2-sec

Midway Village Project—All Off-site Receptors Scenario

Phase 3—Demolition

Estimation of Annual On-site Construction Emissions

	Phase 3—Demolition		**Total**
Start of Construction	7/10/2025		
End of Construction	9/3/2025		
Number of Days	55		55
Number of Hours	1,320		1,320
Number of Construction Days	40		40
Number of Construction Hours (8 hours/day)	320		320

Size of the construction area source: **19,540 sq-meters**

	Year	**On-site Construction Activity**	**Unmitigated Onsite DPM (tons)**	**Unmitigated Onsite PM2.5 (tons)**	**Year**	**On-site Construction Activity**	**Mitigated Onsite DPM (tons)**	**Mitigated Onsite PM2.5 (tons)**
Phase 3	2025	On-Site Demolition	0.0158	0.0214	2025	On-Site Demolition	0.00123	0.00678

Total Unmitigated DPM (On-site)	1.580E-02	tons	**Total Mitigated DPM (On-site)**	1.230E-03 tons
Average Emission	1.433E+04	grams	Average Emission	1.116E+03 grams
	1.244E-02	grams/sec		9.686E-04 grams/sec
	6.367E-07	grams/m2-sec		4.957E-08 grams/m2-sec
Total Unmitigated PM2.5 (On-site)	2.140E-02	tons	**Total Mitigated PM2.5 (On-site)**	6.780E-03 tons
Average Emission	1.941E+04	grams	Average Emission	6.151E+03 grams
	1.685E-02	grams/sec		5.339E-03 grams/sec
	8.624E-07	grams/m2-sec		2.732E-07 grams/m2-sec

Midway Village Project—All Off-site Receptors Scenario

Phase 3—Construction **Construction Area 3B (Phase 3)**

Estimation of Annual On-site Construction Emissions

	Phase 3—Construction	Phase 3—Construction	Phase 3—Construction	
Start of Construction	9/5/2025	11/1/2025	8/18/2026	
End of Construction	10/23/2025	8/7/2026	10/5/2026	**Total**
Number of Days	48	279	48	375
Number of Hours	1,152	6,696	1,152	9,000
Number of Construction Days	35	200	35	270
Number of Construction Hours (8 hours/day)	280	1,600	280	2,160

Size of the construction area source: **16,634 sq-meters**

	Year	**On-site Construction Activity**	**Unmitigated Onsite DPM (tons)**	**Unmitigated Onsite PM2.5 (tons)**	**Year**	**On-site Construction Activity**	**Mitigated Onsite DPM (tons)**	**Mitigated Onsite PM2.5 (tons)**
Phase 3	2025	On-Site Site Preperation	0.0175	0.0957	2025	On-Site Site Preperation	0.0011	0.0793
Phase 3	2025	On-Site Grading	0.0101	0.0291	2025	On-Site Grading	0.0009	0.0198
Phase 3	2025	On-Site Building Construction	0.0041	0.0041	2025	On-Site Building Construction	0.0007	0.0007
Phase 3	2026	On-Site Building Construction	0.0355	0.0355	2026	On-Site Building Construction	0.0058	0.0058
Phase 3	2026	On-Site Paving	0.0078	0.0078	2026	On-Site Paving	0.0012	0.0012
Phase 3	2026	On-Site Architectural Coating	0.0009	0.0009	2026	On-Site Architectural Coating	0.0001	0.0001

Total Unmitigated DPM (On-site)	7.589E-02	tons	**Total Mitigated DPM (On-site)**	9.750E-03	tons
Average Emission	6.885E+04	grams	Average Emission	8.845E+03	grams
	8.854E-03	grams/sec		1.137E-03	grams/sec
	5.323E-07	grams/m2-sec		6.838E-08	grams/m2-sec
Total Unmitigated PM2.5 (On-site)	1.731E-01	tons	**Total Mitigated PM2.5 (On-site)**	1.069E-01	tons
Average Emission	1.570E+05	grams	Average Emission	9.697E+04	grams
	2.019E-02	grams/sec		1.247E-02	grams/sec
	1.214E-06	grams/m2-sec		7.497E-07	grams/m2-sec

Midway Village Project—All Off-site Receptors Scenario

Phase 4—Demolition **Demolition Area 4A (Part 1 of 2 Phase 4)**

Estimation of Annual On-site Construction Emissions

	Phase 4—Demolition	Total
Start of Construction	7/10/2025	
End of Construction	9/3/2025	
Number of Days	55	55
Number of Hours	1,320	1,320
Number of Construction Days	40	40
Number of Construction Hours (8 hours/day)	320	320

Size of the construction area source: **4,641 sq-meters**

	Year	On-site Construction Activity	Unmitigated Onsite DPM (tons)	Unmitigated Onsite PM2.5 (tons)	Year	On-site Construction Activity	Mitigated Onsite DPM (tons)	Mitigated Onsite PM2.5 (tons)
Phase 4	2025	On-Site Demolition	0.0158	0.0171	2025	On-Site Demolition	0.00123	0.00253

Demolition Area 4A (Part 1 of 2 Phase 4)	4641.4
Demolition Area 4A (Part 2 of 2 Phase 4 – Phase 4/5)	10867
Part 1 Percent	0.299282969

Total Unmitigated DPM (On-site)	4.729E-03	tons	**Total Mitigated DPM (On-site)**	3.681E-04 tons
Average Emission	4.290E+03	grams	Average Emission	3.340E+02 grams
	3.724E-03	grams/sec		2.899E-04 grams/sec
	8.023E-07	grams/m2-sec		6.246E-08 grams/m2-sec
Total Unmitigated PM2.5 (On-site)	5.118E-03	tons	**Total Mitigated PM2.5 (On-site)**	7.572E-04 tons
Average Emission	4.643E+03	grams	Average Emission	6.869E+02 grams
	4.030E-03	grams/sec		5.963E-04 grams/sec
	8.683E-07	grams/m2-sec		1.285E-07 grams/m2-sec

Midway Village Project—All Off-site Receptors Scenario

Phase 4—Demolition **Demolition Area 4A (Part 2 of 2 Phase 4 – Phase 4/5)**

Estimation of Annual On-site Construction Emissions

	Phase 4—Demolition	Total
Start of Construction	7/10/2025	
End of Construction	9/3/2025	
Number of Days	55	55
Number of Hours	1,320	1,320
Number of Construction Days	40	40
Number of Construction Hours (8 hours/day)	320	320

Size of the construction area source: **10,867 sq-meters**

	Year	On-site Construction Activity	Unmitigated Onsite DPM (tons)	Unmitigated Onsite PM2.5 (tons)	Year	On-site Construction Activity	Mitigated Onsite DPM (tons)	Mitigated Onsite PM2.5 (tons)
Phase 4	2025	On-Site Demolition	0.0158	0.0171	2025	On-Site Demolition	0.00123	0.00253

Demolition Area 4A (Part 1 of 2 Phase 4)	4641.4
Demolition Area 4A (Part 2 of 2 Phase 4 – Phase 4/5)	10867
Part 2 Percent	0.700717031

Total Unmitigated DPM (On-site)	1.107E-02	tons	**Total Mitigated DPM (On-site)**	8.619E-04 tons
Average Emission	1.004E+04	grams	Average Emission	7.819E+02 grams
	8.719E-03	grams/sec		6.787E-04 grams/sec
	8.023E-07	grams/m2-sec		6.246E-08 grams/m2-sec
Total Unmitigated PM2.5 (On-site)	1.198E-02	tons	**Total Mitigated PM2.5 (On-site)**	1.773E-03 tons
Average Emission	1.087E+04	grams	Average Emission	1.608E+03 grams
	9.436E-03	grams/sec		1.396E-03 grams/sec
	8.683E-07	grams/m2-sec		1.285E-07 grams/m2-sec

Midway Village Project—All Off-site Receptors Scenario

Phase 4—Construction **Construction Area 4B and Area 2B/4B (Phase 4)**

Estimation of Annual On-site Construction Emissions

	Phase 4—Construction	Phase 4—Construction	Phase 4—Construction	
Start of Construction	9/5/2025	11/1/2025	8/18/2026	
End of Construction	10/23/2025	8/7/2026	10/5/2026	**Total**
Number of Days	48	279	48	375
Number of Hours	1,152	6,696	1,152	9,000
Number of Construction Days	35	200	35	270
Number of Construction Hours (8 hours/day)	280	1,600	280	2,160

Size of the construction area source: **11,650 sq-meters**

	Year	**On-site Construction Activity**	**Unmitigated Onsite DPM (tons)**	**Unmitigated Onsite PM2.5 (tons)**	**Year**	**On-site Construction Activity**	**Mitigated Onsite DPM (tons)**	**Mitigated Onsite PM2.5 (tons)**
Phase 4	2025	On-Site Site Preperation	0.0175	0.0957	2025	On-Site Site Preperation	0.0011	0.0793
Phase 4	2025	On-Site Grading	0.0101	0.0292	2025	On-Site Grading	0.0009	0.0199
Phase 4	2025	On-Site Building Construction	0.0041	0.0041	2025	On-Site Building Construction	0.0007	0.0007
Phase 4	2026	On-Site Building Construction	0.0355	0.0355	2026	On-Site Building Construction	0.0058	0.0058
Phase 4	2026	On-Site Paving	0.0092	0.0092	2026	On-Site Paving	0.0009	0.0009
Phase 4	2026	On-Site Architectural Coating	0.0009	0.0009	2026	On-Site Architectural Coating	0.0001	0.0001
Roadway Improvements	2025	On-Site Site Preperation	0.0001	0.0001	2025	On-Site Site Preperation	0.0000	0.0000
Roadway Improvements	2025	On-Site Grading	0.0002	0.0004	2025	On-Site Grading	0.0000	0.0002
Roadway Improvements	2025	On-Site Paving	0.0029	0.0029	2025	On-Site Paving	0.0008	0.0008
Part 1 Percent	0.456680505							

Total Unmitigated DPM (On-site)	3.674E-02	tons	**Total Mitigated DPM (On-site)**	4.690E-03	tons
Average Emission	3.333E+04	grams	Average Emission	4.255E+03	grams
	4.286E-03	grams/sec		5.472E-04	grams/sec
	3.679E-07	grams/m2-sec		4.697E-08	grams/m2-sec
Total Unmitigated PM2.5 (On-site)	8.127E-02	tons	**Total Mitigated PM2.5 (On-site)**	4.919E-02	tons
Average Emission	7.372E+04	grams	Average Emission	4.462E+04	grams
	9.481E-03	grams/sec		5.739E-03	grams/sec
	8.138E-07	grams/m2-sec		4.926E-07	grams/m2-sec

Midway Village Project—All Off-site Receptors Scenario

Phase 4—Construction **Construction Area 4B (Phase 4)**

Estimation of Annual On-site Construction Emissions

	Phase 4—Construction	Phase 4—Construction	Phase 4—Construction	
Start of Construction	9/5/2025	11/1/2025	8/18/2026	
End of Construction	10/23/2025	8/7/2026	10/5/2026	**Total**
Number of Days	48	279	48	375
Number of Hours	1,152	6,696	1,152	9,000
Number of Construction Days	35	200	35	270
Number of Construction Hours (8 hours/day)	280	1,600	280	2,160

Size of the construction area source: **13,860 sq-meters**

	Year	**On-site Construction Activity**	**Unmitigated Onsite DPM (tons)**	**Unmitigated Onsite PM2.5 (tons)**	**Year**	**On-site Construction Activity**	**Mitigated Onsite DPM (tons)**	**Mitigated Onsite PM2.5 (tons)**
Phase 4	2025	On-Site Site Preperation	0.0175	0.0957	2025	On-Site Site Preperation	0.00109	0.0793
Phase 4	2025	On-Site Grading	0.0101	0.0292	2025	On-Site Grading	0.00087	0.0199
Phase 4	2025	On-Site Building Construction	0.0041	0.0041	2025	On-Site Building Construction	0.00067	0.00067
Phase 4	2026	On-Site Building Construction	0.0355	0.0355	2026	On-Site Building Construction	0.00583	0.00583
Phase 4	2026	On-Site Paving	0.0092	0.0092	2026	On-Site Paving	0.0009	0.0009
Phase 4	2026	On-Site Architectural Coating	0.0009	0.0009	2026	On-Site Architectural Coating	0.00007	0.00007
Roadway Improvements	2025	On-Site Site Preperation	0.0001	0.0001	2025	On-Site Site Preperation	0.00001	0.00002
Roadway Improvements	2025	On-Site Grading	0.0002	0.0004	2025	On-Site Grading	0.00002	0.00021
Roadway Improvements	2025	On-Site Paving	0.0029	0.0029	2025	On-Site Paving	0.00081	0.00081
Part 2 Percent	0.543319495							

Total Unmitigated DPM (On-site)	4.371E-02	tons	**Total Mitigated DPM (On-site)**	5.580E-03	tons
Average Emission	3.965E+04	grams	Average Emission	5.062E+03	grams
	5.099E-03	grams/sec		6.510E-04	grams/sec
	3.679E-07	grams/m2-sec		4.697E-08	grams/m2-sec
Total Unmitigated PM2.5 (On-site)	9.668E-02	tons	**Total Mitigated PM2.5 (On-site)**	5.852E-02	tons
Average Emission	8.771E+04	grams	Average Emission	5.309E+04	grams
	1.128E-02	grams/sec		6.827E-03	grams/sec
	8.138E-07	grams/m2-sec		4.926E-07	grams/m2-sec

Midway Village Project—All Off-site Receptors Scenario

Phase 1—Demolition

Estimation of Annual Offsite Construction DPM Emissions (No Mitigation)

	Start of Construction	1/15/2021	
	End of Construction	2/1/2021	**Total**
	Number of Days	17	17
	Number of Hours	408	408
	Number of Construction Days	12	12
	Number of Construction Hours (8 hours/day)	96	96
		Phase 1	
		2021	
	Construction Trip Type	Demolition	
PM2.5 Fugitive	Haul Truck	0.00027	
PM2.5 Fugitive	Vendor Truck	0.00000	
PM2.5 Fugitive	Worker	0.00019	
PM2.5 Fugitive	Total	0.00046	
PM2.5 Exhaust	Haul Truck	0.00005	
PM2.5 Exhaust	Vendor Truck	0.00000	
PM2.5 Exhaust	Worker	0.00000	
PM2.5 Exhaust	Total	0.00005	
PM2.5 Total	Haul Truck	0.00032	
PM2.5 Total	Vendor Truck	0.00000	
PM2.5 Total	Worker	0.00019	
PM2.5 Total	Total	0.00051	

		Haul Truck (tons)	Vendor Truck (tons)	Worker (tons)	Total (tons)
Total DPM		5.000E-05	0.000E+00	0.000E+00	5.000E-05
				Checking Total	5.000E-05
Average Emissions	Grams	4.536E+01	0.000E+00	0.000E+00	
	Grams/sec	1.312E-04	0.000E+00	0.000E+00	
	Default Vehicle Travel Distance in CalEEMod	20	7.3	10.8	
	Vehicle Travel Distances in the Construction HRA (miles)				
	Road Segment 1	0.467	0.467	0.467	miles
	Road Segment 2	0.472	0.472	0.472	miles
	Trip Distribution (percent)				
	Road Segment 1	50%	50%	50%	
	Road Segment 2	50%	50%	50%	
	Total Average Offsite Vehicle Emissions Along Travel Distance (g/sec)				**Total**
	Road Segment 1	7.661E-07	0.000E+00	0.000E+00	7.661E-07
	Road Segment 2	1.549E-06	0.000E+00	0.000E+00	1.549E-06
	Total Average Offsite Vehicle Emissions Along Travel Distance (tons/year)				**Total**
	Road Segment 1	5.837E-07	0.000E+00	0.000E+00	5.837E-07
	Road Segment 2	5.902E-07	0.000E+00	0.000E+00	5.902E-07
				Total	**1.174E-06**

		Haul Truck (tons)	Vendor Truck (tons)	Worker (tons)	Total (tons)
Total PM2.5 Total		3.200E-04	0.000E+00	1.900E-04	5.100E-04
				Checking Total	5.100E-04
Average Emissions	Grams	2.903E+02	0.000E+00	1.724E+02	
	Grams/sec	8.400E-04	0.000E+00	4.987E-04	
	Default Vehicle Travel Distance in CalEEMod	20	7.3	10.8	
	Vehicle Travel Distances in the Construction HRA (miles)				
	Road Segment 1	0.467	0.467	0.467	miles
	Road Segment 2	0.472	0.472	0.472	miles
	Trip Distribution (percent)				
	Road Segment 1	50%	50%	50%	
	Road Segment 2	50%	50%	50%	
	Total Average Offsite Vehicle Emissions Along Travel Distance (g/sec)				**Total**
	Road Segment 1	9.806E-06	0.000E+00	1.078E-05	2.059E-05
	Road Segment 2	9.916E-06	0.000E+00	1.090E-05	2.082E-05
	Total Average Offsite Vehicle Emissions Along Travel Distance (tons/year)				**Total**
	Road Segment 1	3.736E-06	0.000E+00	4.108E-06	7.843E-06
	Road Segment 2	3.777E-06	0.000E+00	4.153E-06	7.931E-06
				Total	**1.577E-05**

Midway Village Project—All Off-site Receptors Scenario

Phase 1—Construction

Estimation of Annual Offsite Construction DPM Emissions (No Mitigation)

	Start of Construction	2/2/2021				
	End of Construction	12/20/2021				**Total**
	Number of Days	321				321
	Number of Hours	7,704				7,704
	Number of Construction Days	230				230
	Number of Construction Hours (8 hours/day)	1,840				1,840
		Phase 1 2021	Phase 1 2021	Phase 1 2021	Phase 1 2021	Phase 1 2021
	Construction Trip Type	Site Preparation	Grading	Building Construction	Paving	Architectural Coating
PM2.5 Fugitive	Haul Truck	0.00007	0.00000	0.00000	0.00000	0.00007
PM2.5 Fugitive	Vendor Truck	0.00000	0.00000	0.00528	0.00009	0.00000
PM2.5 Fugitive	Worker	0.00038	0.00031	0.02730	0.00048	0.00110
PM2.5 Fugitive	Total	0.00045	0.00031	0.03260	0.00057	0.00117
PM2.5 Exhaust	Haul Truck	0.00001	0.00000	0.00000	0.00000	0.00001
PM2.5 Exhaust	Vendor Truck	0.00000	0.00000	0.00064	0.00001	0.00000
PM2.5 Exhaust	Worker	0.00001	0.00001	0.00058	0.00001	0.00002
PM2.5 Exhaust	Total	0.00002	0.00001	0.00122	0.00002	0.00003
PM2.5 Total	Haul Truck	0.00009	0.00000	0.00000	0.00000	0.00009
PM2.5 Total	Vendor Truck	0.00000	0.00000	0.00592	0.00010	0.00000
PM2.5 Total	Worker	0.00039	0.00032	0.02790	0.00049	0.00112
PM2.5 Total	Total	0.00048	0.00032	0.03380	0.00059	0.00121

		Haul Truck (tons)	**Vendor Truck (tons)**	**Worker (tons)**	**Total (tons)**
Total DPM		2.000E-05	6.500E-04	6.300E-04	1.300E-03
				Checking Total	1.300E-03
Average Emissions	Grams	1.814E+01	5.897E+02	5.715E+02	
	Grams/sec	2.739E-06	8.902E-05	8.628E-05	
	Default Vehicle Travel Distance in CalEEMod	20	7.3	10.8	
	Vehicle Travel Distances in the Construction HRA (miles)				
	Road Segment 1	0.47	0.47	0.47	miles
	Road Segment 2	0.47	0.47	0.47	miles
	Trip Distribution (percent)				
	Road Segment 1	50%	50%	50%	
	Road Segment 2	50%	50%	50%	
	Total Average Offsite Vehicle Emissions Along Travel Distance (g/sec)				**Total**
	Road Segment 1	1.599E-08	2.847E-06	1.865E-06	4.728E-06
	Road Segment 2	3.233E-08	2.879E-06	1.886E-06	4.797E-06
	Total Average Offsite Vehicle Emissions Along Travel Distance (tons/year)				**Total**
	Road Segment 1	1.167E-07	2.079E-05	1.362E-05	3.453E-05
	Road Segment 2	2.361E-07	2.102E-05	1.377E-05	3.503E-05
				Total	**6.956E-05**

		Haul Truck (tons)	**Vendor Truck (tons)**	**Worker (tons)**	**Total (tons)**
Total PM2.5 Total		1.800E-04	6.020E-03	3.022E-02	3.642E-02
				Checking Total	3.640E-02
Average Emissions	Grams	1.633E+02	5.461E+03	2.742E+04	
	Grams/sec	2.465E-05	8.245E-04	4.139E-03	
	Default Vehicle Travel Distance in CalEEMod	20	7.3	10.8	
	Vehicle Travel Distances in the Construction HRA (miles)				
	Road Segment 1	0.47	0.47	0.47	miles
	Road Segment 2	0.47	0.47	0.47	miles
	Trip Distribution (percent)				
	Road Segment 1	50%	50%	50%	
	Road Segment 2	50%	50%	50%	
	Total Average Offsite Vehicle Emissions Along Travel Distance (g/sec)				**Total**
	Road Segment 1	2.878E-07	2.637E-05	8.947E-05	1.161E-04
	Road Segment 2	2.910E-07	2.666E-05	9.047E-05	1.174E-04
	Total Average Offsite Vehicle Emissions Along Travel Distance (tons/year)				**Total**
	Road Segment 1	2.101E-06	1.925E-04	6.533E-04	8.480E-04
	Road Segment 2	2.125E-06	1.947E-04	6.606E-04	8.574E-04
				Total	**1.705E-03**

Midway Village Project—All Off-site Receptors Scenario

Phase 2—Demolition

Estimation of Annual Offsite Construction DPM Emissions (No Mitigation)

Start of Construction	9/1/2023	
End of Construction	10/5/2023	**Total**
Number of Days	34	34
Number of Hours	816	816
Number of Construction Days	25	25
Number of Construction Hours (8 hours/day)	200	200

		Phase 2 2023
	Construction Trip Type	Demolition
PM2.5 Fugitive	Haul Truck	0.00108
PM2.5 Fugitive	Vendor Truck	0.00000
PM2.5 Fugitive	Worker	0.00039
PM2.5 Fugitive	Total	0.00147
PM2.5 Exhaust	Haul Truck	0.00008
PM2.5 Exhaust	Vendor Truck	0.00000
PM2.5 Exhaust	Worker	0.00001
PM2.5 Exhaust	Total	0.00009
PM2.5 Total	Haul Truck	0.00117
PM2.5 Total	Vendor Truck	0.00000
PM2.5 Total	Worker	0.00040
PM2.5 Total	Total	0.00157

		Haul Truck (tons)	Vendor Truck (tons)	Worker (tons)	Total (tons)
Total DPM		8.000E-05	0.000E+00	1.000E-05	9.000E-05
				Checking Total	9.000E-05
Average Emissions	Grams	7.257E+01	0.000E+00	9.072E+00	
	Grams/sec	1.008E-04	0.000E+00	1.260E-05	
	Default Vehicle Travel Distance in CalEEMod	20	7.3	10.8	
	Vehicle Travel Distances in the Construction HRA (miles)				
	Road Segment 1	0.47	0.47	0.47	miles
	Road Segment 2	0.47	0.47	0.47	miles
	Trip Distribution (percent)				
	Road Segment 1	50%	50%	50%	
	Road Segment 2	50%	50%	50%	
	Total Average Offsite Vehicle Emissions Along Travel Distance (g/sec)				**Total**
	Road Segment 1	5.884E-07	0.000E+00	2.724E-07	8.607E-07
	Road Segment 2	1.190E-06	0.000E+00	2.754E-07	1.465E-06
	Total Average Offsite Vehicle Emissions Along Travel Distance (tons/year)				**Total**
	Road Segment 1	4.670E-07	0.000E+00	2.162E-07	6.831E-07
	Road Segment 2	9.444E-07	0.000E+00	2.186E-07	1.163E-06
				Total	**1.846E-06**

		Haul Truck (tons)	Vendor Truck (tons)	Worker (tons)	Total (tons)
Total PM2.5 Total		1.170E-03	0.000E+00	4.000E-04	1.570E-03
				Checking Total	1.570E-03
Average Emissions	Grams	1.061E+03	0.000E+00	3.629E+02	
	Grams/sec	1.474E-03	0.000E+00	5.040E-04	
	Default Vehicle Travel Distance in CalEEMod	20	7.3	10.8	
	Vehicle Travel Distances in the Construction HRA (miles)				
	Road Segment 1	0.47	0.47	0.47	miles
	Road Segment 2	0.47	0.47	0.47	miles
	Trip Distribution (percent)				
	Road Segment 1	50%	50%	50%	
	Road Segment 2	50%	50%	50%	
	Total Average Offsite Vehicle Emissions Along Travel Distance (g/sec)				**Total**
	Road Segment 1	1.721E-05	0.000E+00	1.090E-05	2.811E-05
	Road Segment 2	1.740E-05	0.000E+00	1.102E-05	2.842E-05
	Total Average Offsite Vehicle Emissions Along Travel Distance (tons/year)				**Total**
	Road Segment 1	1.366E-05	0.000E+00	8.647E-06	2.231E-05
	Road Segment 2	1.381E-05	0.000E+00	8.744E-06	2.256E-05
				Total	**4.486E-05**

Midway Village Project—All Off-site Receptors Scenario

Phase 2—Construction

Estimation of Annual Offsite Construction DPM Emissions (No Mitigation)

	Start of Construction	10/15/2023	11/26/2023	12/20/2023	8/3/2024		
	End of Construction	11/22/2023	12/18/2023	7/23/2024	9/25/2024		**Total**
	Number of Days	38	22	216	53		329
	Number of Hours	912	528	5,184	1,272		7,896
	Number of Construction Days	28	16	155	38		237
	Number of Construction Hours (8 hours/day)	224	128	1,240	304		1,896
		Phase 2 2023	Phase 2 2023	Phase 2 2023	Phase 2 2024	Phase 2 2024	Phase 2 2024
	Construction Trip Type	Site Preparation	Grading	Building Construction	Building Construction	Paving	Architectural Coating
PM2.5 Fugitive	Haul Truck	0.00006	0.00363	0.00000	0.00000	0.00000	0.00006
PM2.5 Fugitive	Vendor Truck	0.00000	0.00000	0.00018	0.00333	0.00013	0.00000
PM2.5 Fugitive	Worker	0.00023	0.00025	0.00106	0.01960	0.00055	0.00100
PM2.5 Fugitive	Total	0.00029	0.00388	0.00124	0.02290	0.00068	0.00106
PM2.5 Exhaust	Haul Truck	0.00000	0.00028	0.00000	0.00000	0.00000	0.00000
PM2.5 Exhaust	Vendor Truck	0.00000	0.00000	0.00001	0.00017	0.00001	0.00000
PM2.5 Exhaust	Worker	0.00000	0.00001	0.00002	0.00039	0.00001	0.00002
PM2.5 Exhaust	Total	0.00000	0.00029	0.00003	0.00056	0.00002	0.00002
PM2.5 Total	Haul Truck	0.00006	0.00391	0.00000	0.00000	0.00000	0.00006
PM2.5 Total	Vendor Truck	0.00000	0.00000	0.00019	0.00350	0.00014	0.00000
PM2.5 Total	Worker	0.00024	0.00026	0.00109	0.02000	0.00056	0.00101
PM2.5 Total	Total	0.00030	0.00417	0.00128	0.02350	0.00070	0.00107

		Haul Truck (tons)	**Vendor Truck (tons)**	**Worker (tons)**	**Total (tons)**
Total DPM		2.800E-04	1.900E-04	4.500E-04	9.200E-04
				Checking Total	9.200E-04
Average Emissions	Grams	2.540E+02	1.724E+02	4.082E+02	
	Grams/sec	3.721E-05	2.525E-05	5.981E-05	
	Default Vehicle Travel Distance in CalEEMod	20	7.3	10.8	
	Vehicle Travel Distances in the Construction HRA (miles)				
	Road Segment 1	0.47	0.47	0.47	miles
	Road Segment 2	0.47	0.47	0.47	miles
	Trip Distribution (percent)				
	Road Segment 1	50%	50%	50%	
	Road Segment 2	50%	50%	50%	
	Total Average Offsite Vehicle Emissions Along Travel Distance (g/sec)				**Total**
	Road Segment 1	2.172E-07	8.077E-07	1.293E-06	2.318E-06
	Road Segment 2	4.393E-07	8.167E-07	1.307E-06	2.563E-06
	Total Average Offsite Vehicle Emissions Along Travel Distance (tons/year)				**Total**
	Road Segment 1	1.634E-06	6.077E-06	9.728E-06	1.744E-05
	Road Segment 2	3.305E-06	6.145E-06	9.837E-06	1.929E-05
				Total	**3.673E-05**

		Haul Truck (tons)	**Vendor Truck (tons)**	**Worker (tons)**	**Total (tons)**
Total PM2.5 Total		4.030E-03	3.830E-03	2.316E-02	3.102E-02
				Checking Total	3.102E-02
Average Emissions	Grams	3.656E+03	3.475E+03	2.101E+04	
	Grams/sec	5.356E-04	5.090E-04	3.078E-03	
	Default Vehicle Travel Distance in CalEEMod	20	7.3	10.8	
	Vehicle Travel Distances in the Construction HRA (miles)				
	Road Segment 1	0.47	0.47	0.47	miles
	Road Segment 2	0.47	0.47	0.47	miles
	Trip Distribution (percent)				
	Road Segment 1	50%	50%	50%	
	Road Segment 2	50%	50%	50%	
	Total Average Offsite Vehicle Emissions Along Travel Distance (g/sec)				**Total**
	Road Segment 1	6.253E-06	1.628E-05	6.655E-05	8.908E-05
	Road Segment 2	6.323E-06	1.646E-05	6.729E-05	9.008E-05
	Total Average Offsite Vehicle Emissions Along Travel Distance (tons/year)				**Total**
	Road Segment 1	4.705E-05	1.225E-04	5.007E-04	6.702E-04
	Road Segment 2	4.757E-05	1.239E-04	5.063E-04	6.777E-04
				Total	**1.348E-03**

Midway Village Project—All Off-site Receptors Scenario

Phase 3—Demolition

Estimation of Annual Offsite Construction DPM Emissions (No Mitigation)

Start of Construction	7/10/2025	
End of Construction	9/3/2025	**Total**
Number of Days	55	55
Number of Hours	1,320	1,320
Number of Construction Days	40	40
Number of Construction Hours (8 hours/day)	320	320

		Phase 3
		2025
	Construction Trip Type	Demolition
PM2.5 Fugitive	Haul Truck	0.00176
PM2.5 Fugitive	Vendor Truck	0.00000
PM2.5 Fugitive	Worker	0.00063
PM2.5 Fugitive	Total	0.00239
PM2.5 Exhaust	Haul Truck	0.00013
PM2.5 Exhaust	Vendor Truck	0.00000
PM2.5 Exhaust	Worker	0.00001
PM2.5 Exhaust	Total	0.00014
PM2.5 Total	Haul Truck	0.00189
PM2.5 Total	Vendor Truck	0.00000
PM2.5 Total	Worker	0.00064
PM2.5 Total	Total	0.00253

		Haul Truck (tons)	**Vendor Truck (tons)**	**Worker (tons)**	**Total (tons)**
Total DPM		1.300E-04	0.000E+00	1.000E-05	1.400E-04
				Checking Total	1.400E-04
Average Emissions	Grams	1.179E+02	0.000E+00	9.072E+00	
	Grams/sec	1.024E-04	0.000E+00	7.875E-06	
	Default Vehicle Travel Distance in CalEEMod	20	7.3	10.8	
	Vehicle Travel Distances in the Construction HRA (miles)				
	Road Segment 1	0.47	0.47	0.47	miles
	Road Segment 2	0.47	0.47	0.47	miles
	Trip Distribution (percent)				
	Road Segment 1	50%	50%	50%	
	Road Segment 2	50%	50%	50%	
	Total Average Offsite Vehicle Emissions Along Travel Distance (g/sec)				**Total**
	Road Segment 1	5.976E-07	0.000E+00	1.702E-07	7.678E-07
	Road Segment 2	1.208E-06	0.000E+00	1.721E-07	1.381E-06
	Total Average Offsite Vehicle Emissions Along Travel Distance (tons/year)				**Total**
	Road Segment 1	7.588E-07	0.000E+00	2.162E-07	9.750E-07
	Road Segment 2	1.535E-06	0.000E+00	2.186E-07	1.753E-06
				Total	**2.728E-06**

		Haul Truck (tons)	**Vendor Truck (tons)**	**Worker (tons)**	**Total (tons)**
Total PM2.5 Total		1.890E-03	0.000E+00	6.400E-04	2.530E-03
				Checking Total	2.530E-03
Average Emissions	Grams	1.715E+03	0.000E+00	5.806E+02	
	Grams/sec	1.488E-03	0.000E+00	5.040E-04	
	Default Vehicle Travel Distance in CalEEMod	20	7.3	10.8	
	Vehicle Travel Distances in the Construction HRA (miles)				
	Road Segment 1	0.47	0.47	0.47	miles
	Road Segment 2	0.47	0.47	0.47	miles
	Trip Distribution (percent)				
	Road Segment 1	50%	50%	50%	
	Road Segment 2	50%	50%	50%	
	Total Average Offsite Vehicle Emissions Along Travel Distance (g/sec)				**Total**
	Road Segment 1	1.738E-05	0.000E+00	1.090E-05	2.827E-05
	Road Segment 2	1.757E-05	0.000E+00	1.102E-05	2.859E-05
	Total Average Offsite Vehicle Emissions Along Travel Distance (tons/year)				**Total**
	Road Segment 1	2.206E-05	0.000E+00	1.384E-05	3.590E-05
	Road Segment 2	2.231E-05	0.000E+00	1.399E-05	3.630E-05
				Total	**7.220E-05**

Midway Village Project—All Off-site Receptors Scenario

Phase 3—Construction

Estimation of Annual Offsite Construction DPM Emissions (No Mitigation)

	Start of Construction	9/5/2025	11/1/2025	8/18/2026			
	End of Construction	10/23/2025	8/7/2026	10/5/2026			**Total**
	Number of Days	48	279	48			375
	Number of Hours	1,152	6,696	1,152			9,000
	Number of Construction Days	35	200	35			270
	Number of Construction Hours (8 hours/day)	280	1,600	280			2,160
		Phase 3 2025	Phase 3 2025	Phase 3 2025	Phase 3 2026	Phase 3 2026	Phase 3 2026
	Construction Trip Type	Site Preparation	Grading	Building Construction	Building Construction	Paving	Architectural Coating
PM2.5 Fugitive	Haul Truck	0.00007	0.00000	0.00000	0.00000	0.00000	0.00007
PM2.5 Fugitive	Vendor Truck	0.00000	0.00000	0.00042	0.00370	0.00018	0.00000
PM2.5 Fugitive	Worker	0.00066	0.00052	0.00219	0.01910	0.00101	0.00084
PM2.5 Fugitive	Total	0.00073	0.00052	0.00261	0.02280	0.00119	0.00091
PM2.5 Exhaust	Haul Truck	0.00001	0.00000	0.00000	0.00000	0.00000	0.00001
PM2.5 Exhaust	Vendor Truck	0.00000	0.00000	0.00002	0.00018	0.00001	0.00000
PM2.5 Exhaust	Worker	0.00001	0.00001	0.00004	0.00036	0.00002	0.00002
PM2.5 Exhaust	Total	0.00002	0.00001	0.00006	0.00054	0.00003	0.00003
PM2.5 Total	Haul Truck	0.00008	0.00000	0.00000	0.00000	0.00000	0.00008
PM2.5 Total	Vendor Truck	0.00000	0.00000	0.00045	0.00388	0.00019	0.00000
PM2.5 Total	Worker	0.00067	0.00053	0.00223	0.01940	0.00102	0.00086
PM2.5 Total	Total	0.00075	0.00053	0.00268	0.02330	0.00121	0.00094

		Haul Truck (tons)	Vendor Truck (tons)	Worker (tons)	Total (tons)
Total DPM		2.000E-05	2.100E-04	4.600E-04	6.900E-04
				Checking Total	6.900E-04
Average Emissions	Grams	1.814E+01	1.905E+02	4.173E+02	
	Grams/sec	2.333E-06	2.450E-05	5.367E-05	
	Default Vehicle Travel Distance in CalEEMod	20	7.3	10.8	
	Vehicle Travel Distances in the Construction HRA (miles)				
	Road Segment 1	0.47	0.47	0.47	miles
	Road Segment 2	0.47	0.47	0.47	miles
	Trip Distribution (percent)				
	Road Segment 1	50%	50%	50%	
	Road Segment 2	50%	50%	50%	
	Total Average Offsite Vehicle Emissions Along Travel Distance (g/sec)				**Total**
	Road Segment 1	1.362E-08	7.836E-07	1.160E-06	1.957E-06
	Road Segment 2	2.754E-08	7.923E-07	1.173E-06	1.993E-06
	Total Average Offsite Vehicle Emissions Along Travel Distance (tons/year)				**Total**
	Road Segment 1	1.167E-07	6.717E-06	9.945E-06	1.678E-05
	Road Segment 2	2.361E-07	6.792E-06	1.006E-05	1.708E-05
				Total	**3.386E-05**

		Haul Truck (tons)	Vendor Truck (tons)	Worker (tons)	Total (tons)
Total PM2.5 Total		1.600E-04	4.520E-03	2.471E-02	2.939E-02
				Checking Total	2.941E-02
Average Emissions	Grams	1.451E+02	4.100E+03	2.242E+04	
	Grams/sec	1.867E-05	5.273E-04	2.883E-03	
	Default Vehicle Travel Distance in CalEEMod	20	7.3	10.8	
	Vehicle Travel Distances in the Construction HRA (miles)				
	Road Segment 1	0.47	0.47	0.47	miles
	Road Segment 2	0.47	0.47	0.47	miles
	Trip Distribution (percent)				
	Road Segment 1	50%	50%	50%	
	Road Segment 2	50%	50%	50%	
	Total Average Offsite Vehicle Emissions Along Travel Distance (g/sec)				**Total**
	Road Segment 1	2.179E-07	1.687E-05	6.232E-05	7.941E-05
	Road Segment 2	2.203E-07	1.705E-05	6.302E-05	8.029E-05
	Total Average Offsite Vehicle Emissions Along Travel Distance (tons/year)				**Total**
	Road Segment 1	1.868E-06	1.446E-04	5.342E-04	6.806E-04
	Road Segment 2	1.889E-06	1.462E-04	5.402E-04	6.882E-04
				Total	**1.369E-03**

Midway Village Project—All Off-site Receptors Scenario

Phase 4—Demolition

Estimation of Annual Offsite Construction DPM Emissions (No Mitigation)

Start of Construction	7/10/2025	
End of Construction	9/3/2025	**Total**
Number of Days	55	55
Number of Hours	1,320	1,320
Number of Construction Days	40	40
Number of Construction Hours (8 hours/day)	320	320

		Phase 4 2025
	Construction Trip Type	Demolition
PM2.5 Fugitive	Haul Truck	0.00044
PM2.5 Fugitive	Vendor Truck	0.00000
PM2.5 Fugitive	Worker	0.00063
PM2.5 Fugitive	Total	0.00107
PM2.5 Exhaust	Haul Truck	0.00003
PM2.5 Exhaust	Vendor Truck	0.00000
PM2.5 Exhaust	Worker	0.00001
PM2.5 Exhaust	Total	0.00004
PM2.5 Total	Haul Truck	0.00047
PM2.5 Total	Vendor Truck	0.00000
PM2.5 Total	Worker	0.00064
PM2.5 Total	Total	0.00111

		Haul Truck (tons)	**Vendor Truck (tons)**	**Worker (tons)**	**Total (tons)**
Total DPM		3.000E-05	0.000E+00	1.000E-05	4.000E-05
				Checking Total	4.000E-05
Average Emissions	Grams	2.722E+01	0.000E+00	9.072E+00	
	Grams/sec	2.362E-05	0.000E+00	7.875E-06	
	Default Vehicle Travel Distance in CalEEMod	20	7.3	10.8	
	Vehicle Travel Distances in the Construction HRA (miles)				
	Road Segment 1	0.47	0.47	0.47	miles
	Road Segment 2	0.47	0.47	0.47	miles
	Trip Distribution (percent)				
	Road Segment 1	50%	50%	50%	
	Road Segment 2	50%	50%	50%	
	Total Average Offsite Vehicle Emissions Along Travel Distance (g/sec)				**Total**
	Road Segment 1	1.379E-07	0.000E+00	1.702E-07	3.081E-07
	Road Segment 2	2.789E-07	0.000E+00	1.721E-07	4.510E-07
	Total Average Offsite Vehicle Emissions Along Travel Distance (tons/year)				**Total**
	Road Segment 1	1.751E-07	0.000E+00	2.162E-07	3.913E-07
	Road Segment 2	3.541E-07	0.000E+00	2.186E-07	5.727E-07
				Total	**9.640E-07**

		Haul Truck (tons)	**Vendor Truck (tons)**	**Worker (tons)**	**Total (tons)**
Total PM2.5 Total		4.700E-04	0.000E+00	6.400E-04	1.110E-03
				Checking Total	1.110E-03
Average Emissions	Grams	4.264E+02	0.000E+00	5.806E+02	
	Grams/sec	3.701E-04	0.000E+00	5.040E-04	
	Default Vehicle Travel Distance in CalEEMod	20	7.3	10.8	
	Vehicle Travel Distances in the Construction HRA (miles)				
	Road Segment 1	0.47	0.47	0.47	miles
	Road Segment 2	0.47	0.47	0.47	miles
	Trip Distribution (percent)				
	Road Segment 1	50%	50%	50%	
	Road Segment 2	50%	50%	50%	
	Total Average Offsite Vehicle Emissions Along Travel Distance (g/sec)				**Total**
	Road Segment 1	4.321E-06	0.000E+00	1.090E-05	1.522E-05
	Road Segment 2	4.369E-06	0.000E+00	1.102E-05	1.539E-05
	Total Average Offsite Vehicle Emissions Along Travel Distance (tons/year)				**Total**
	Road Segment 1	5.487E-06	0.000E+00	1.384E-05	1.932E-05
	Road Segment 2	5.548E-06	0.000E+00	1.399E-05	1.954E-05
				Total	**3.886E-05**

Midway Village Project—All Off-site Receptors Scenario

Phase 4—Construction

Estimation of Annual Offsite Construction DPM Emissions (No Mitigation)

Start of Construction	9/5/2025	11/1/2025	8/18/2026		
End of Construction	10/23/2025	8/7/2026	10/5/2026	**Total**	
Number of Days	48	279	48	375	
Number of Hours	1,152	6,696	1,152	9,000	
Number of Construction Days	35	200	35	270	
Number of Construction Hours (8 hours/day)	280	1,600	280	2,160	

		Phase 4 2025	Phase 4 2025	Phase 4 2025	Phase 4 2026	Phase 4 2026	Phase 4 2026	Roadway 2025	Roadway 2025	Roadway 2025
	Construction Trip Type	Site Preparation	Grading	Building Construction	Building Construction	Paving	Architectural Coating	Site Preparation	Grading	Paving
PM2.5 Fugitive	Haul Truck	0.00007	0.00877	0.00000	0.00000	0.00000	0.00007	0.00003	0.00000	0.00003
PM2.5 Fugitive	Vendor Truck	0.00000	0.00000	0.00036	0.00311	0.00018	0.00000	0.00000	0.00000	0.00005
PM2.5 Fugitive	Worker	0.00066	0.00052	0.00222	0.01940	0.00075	0.00088	0.00001	0.00002	0.00053
PM2.5 Fugitive	Total	0.00073	0.00929	0.00258	0.02250	0.00093	0.00095	0.00004	0.00002	0.00061
PM2.5 Exhaust	Haul Truck	0.00000	0.00063	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
PM2.5 Exhaust	Vendor Truck	0.00000	0.00000	0.00002	0.00015	0.00001	0.00000	0.00000	0.00000	0.00000
PM2.5 Exhaust	Worker	0.00001	0.00001	0.00004	0.00037	0.00001	0.00002	0.00000	0.00000	0.00001
PM2.5 Exhaust	Total	0.00001	0.00064	0.00006	0.00052	0.00002	0.00002	0.00000	0.00000	0.00001
PM2.5 Total	Haul Truck	0.00007	0.00940	0.00000	0.00000	0.00000	0.00007	0.00003	0.00000	0.00003
PM2.5 Total	Vendor Truck	0.00000	0.00000	0.00037	0.00326	0.00019	0.00000	0.00000	0.00000	0.00006
PM2.5 Total	Worker	0.00067	0.00053	0.00227	0.01980	0.00077	0.00090	0.00001	0.00002	0.00054
PM2.5 Total	Total	0.00074	0.00993	0.00264	0.02300	0.00096	0.00097	0.00004	0.00002	0.00063

		Haul Truck (tons)	**Vendor Truck (tons)**	**Worker (tons)**	**Total (tons)**
Total DPM		6.300E-04	1.800E-04	4.700E-04	1.280E-03
				Checking Total	1.280E-03
Average Emissions	Grams	5.715E+02	1.633E+02	4.264E+02	
	Grams/sec	7.350E-05	2.100E-05	5.483E-05	
	Default Vehicle Travel Distance in CalEEMod	20	7.3	10.8	
	Vehicle Travel Distances in the Construction HRA (miles)				
	Road Segment 1	0.47	0.47	0.47	miles
	Road Segment 2	0.47	0.47	0.47	miles
	Trip Distribution (percent)				
	Road Segment 1	50%	50%	50%	
	Road Segment 2	50%	50%	50%	
	Total Average Offsite Vehicle Emissions Along Travel Distance (g/sec)				**Total**
	Road Segment 1	4.290E-07	6.716E-07	1.185E-06	2.286E-06
	Road Segment 2	8.676E-07	6.792E-07	1.199E-06	2.745E-06
	Total Average Offsite Vehicle Emissions Along Travel Distance (tons/year)				**Total**
	Road Segment 1	3.677E-06	5.757E-06	1.016E-05	1.960E-05
	Road Segment 2	7.437E-06	5.821E-06	1.027E-05	2.353E-05
				Total	**4.313E-05**

		Haul Truck (tons)	**Vendor Truck (tons)**	**Worker (tons)**	**Total (tons)**
Total PM2.5 Total		9.600E-03	3.880E-03	2.551E-02	3.899E-02
				Checking Total	3.893E-02
Average Emissions	Grams	8.709E+03	3.520E+03	2.314E+04	
	Grams/sec	1.120E-03	4.527E-04	2.976E-03	
	Default Vehicle Travel Distance in CalEEMod	20	7.3	10.8	
	Vehicle Travel Distances in the Construction HRA (miles)				
	Road Segment 1	0.47	0.47	0.47	miles
	Road Segment 2	0.47	0.47	0.47	miles
	Trip Distribution (percent)				
	Road Segment 1	50%	50%	50%	
	Road Segment 2	50%	50%	50%	
	Total Average Offsite Vehicle Emissions Along Travel Distance (g/sec)				**Total**
	Road Segment 1	1.307E-05	1.448E-05	6.434E-05	9.189E-05
	Road Segment 2	1.322E-05	1.464E-05	6.506E-05	9.292E-05
	Total Average Offsite Vehicle Emissions Along Travel Distance (tons/year)				**Total**
	Road Segment 1	1.121E-04	1.241E-04	5.515E-04	7.877E-04
	Road Segment 2	1.133E-04	1.255E-04	5.577E-04	7.965E-04
				Total	**1.584E-03**

OEHHA Cancer/BAAQMD Risk Methodology

Cancer Risk = DPM x CPF x ASF x DBR x ED x EF x TAH x AF/ AT

Cancer Risk = probability of an individual contracting cancer out of a population of 1 million people over a lifetime exposure duration of 30 years

DPM = long-term average concentration of diesel PM as predicted by the air dispersion model (ug/m3)

CPF = cancer potency factor for DPM (mg.ke-day)

ASF = age sensitivity factors that are dependent on the age of the exposed individual (unitless)

DBR = daily breathing rates that are dependent on the age of the exposed individual (liters/kg-day)

ED = exposure duration (years)

EF = exposure frequency (days/year)

TAH = time at home factors that are dependent on the age of the exposed individual (%)

AT = averaging time over the lifetime of an individual (days)

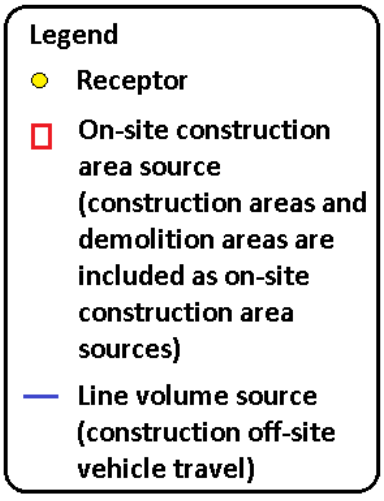
AF = adjustment factor for workers and students (unitless)

Cancer Risk Equation Values as recommended by the California Office of Environmental Health Hazards Assessment

Summary of Each Scenario Analyzed

Scenario	Description of Scenario
Scenario 1: All Off-site Receptors	All Off-site Receptors: Exposed to Phases 1+2+3+4 Demolition and Phases 1+2+3+4 Construction
Scenario 2: Existing Phase 2 Receptors	Existing Phase 2 Receptors: Exposed to Phase 1 Demolition and Phase 1 Construction
Scenario 3: Existing Phase 3 Receptors	Existing Phase 3 Receptors: Exposed to Phases 1+2 Demolition and Phases 1+2 Construction
Scenario 4: Existing Phase 4 Receptors	Existing Phase 4 Receptors: Exposed to Phases 1+2+3 Demolition and Phases 1+2+3 Construction
Scenario 5: New Phase 1 Receptors	New Phase 1 Receptors: Exposed to Phases 2+3+4 Demolition and Phases 2+3+4 Construction
Scenario 6: New Phase 2 Receptors	New Phase 2 Receptors: Exposed to Phases 3+4 Demolition and Phases 3+4 Construction
Scenario 7: New Phase 3 Receptors	New Phase 3 Receptors: Exposed to Phase 4 Demolition and Phase 4 Construction
Source: Appendix B.	

Images showing the receptors analyzed in each of the seven scenarios are included below. The following legend corresponds with the graphics used in Figure 1 through Figure 10.



Scenario 1: All Off-site Receptors

All Off-site Receptors: Exposed to Phases 1+2+3+4 Demolition and Phases 1+2+3+4 Construction

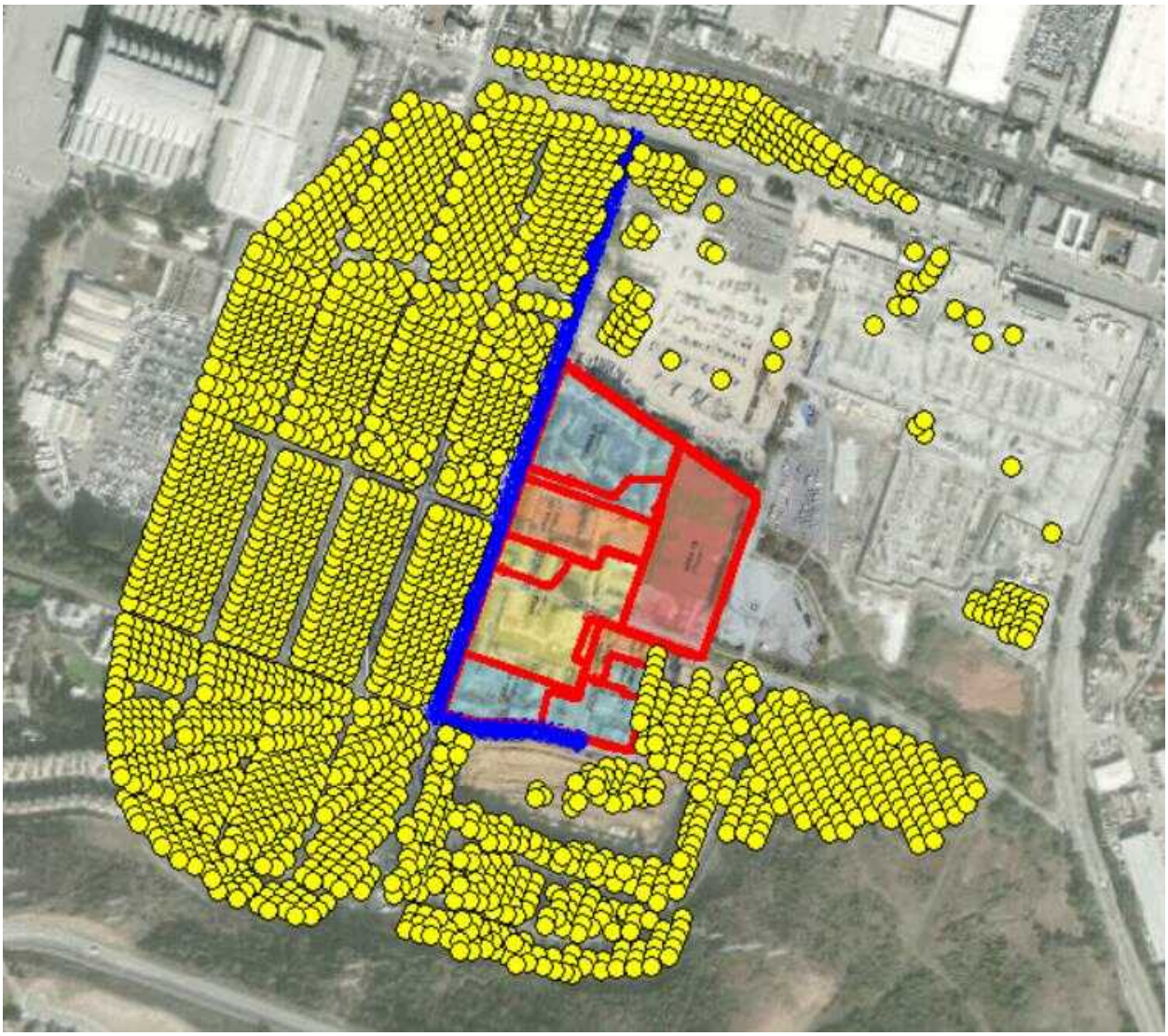


Figure 1 Scenario 1: All Off-site Receptors

Scenario 2: Existing Phase 2 Receptors

Existing Phase 2 Receptors: Exposed to Phase 1 Demolition and Phase 1 Construction

Figure 2 Scenario 2 with Construction Map as a Base Map

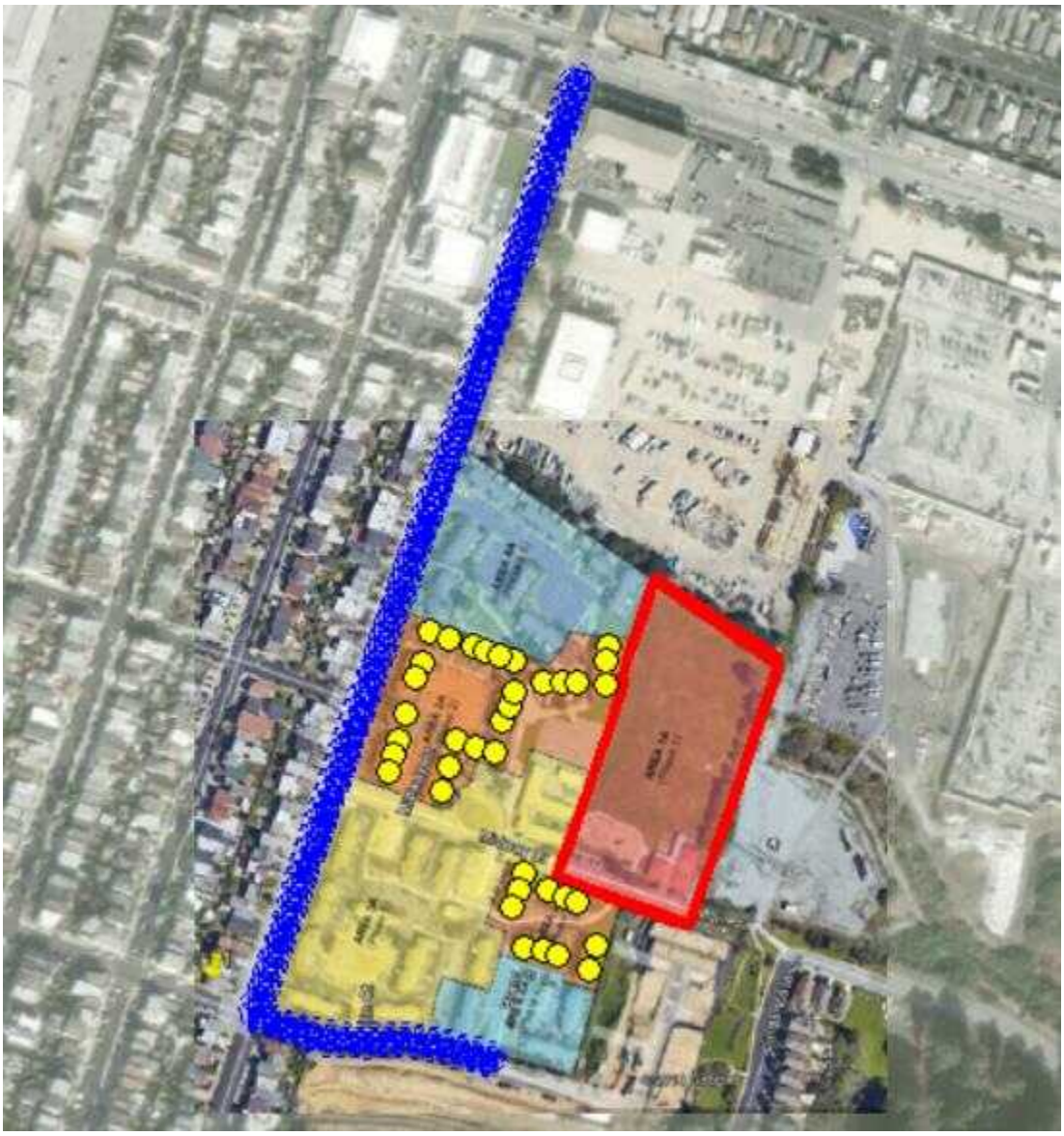


Figure 3 Scenario 2 with Demolition Map as a Base Map

Scenario 3: Existing Phase 3 Receptors

Existing Phase 3 Receptors: Exposed to Phases 1+2 Demolition and Phases 1+2 Construction

Figure 4 Scenario 3 with Construction Map as a Base Map

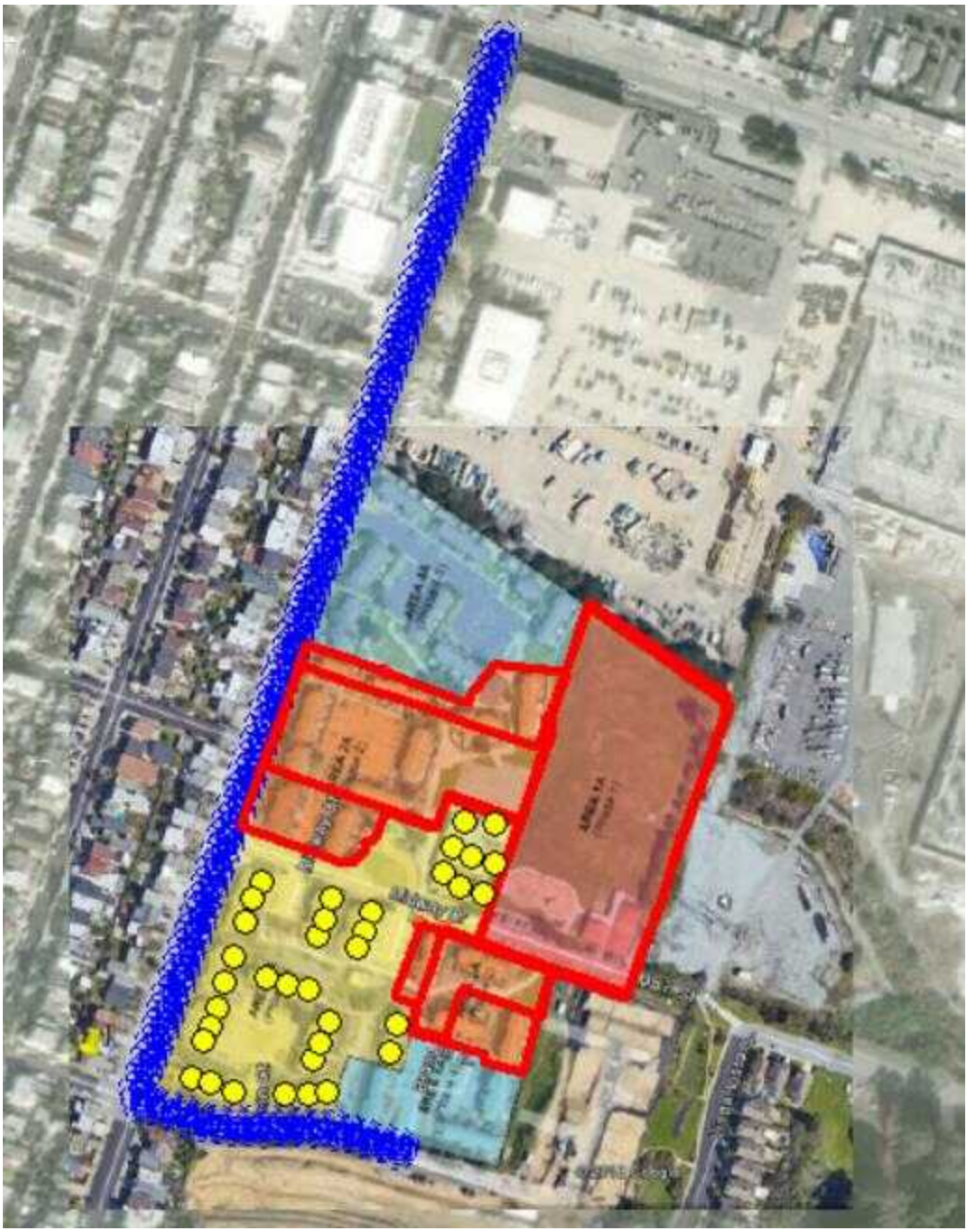


Figure 5 Scenario 3 with Demolition Map as a Base Map

Scenario 4: Existing Phase 4 Receptors

Existing Phase 4 Receptors: Exposed to Phases 1+2+3 Demolition and Phases 1+2+3 Construction

Figure 6 Scenario 4 with Construction Map as a Base Map

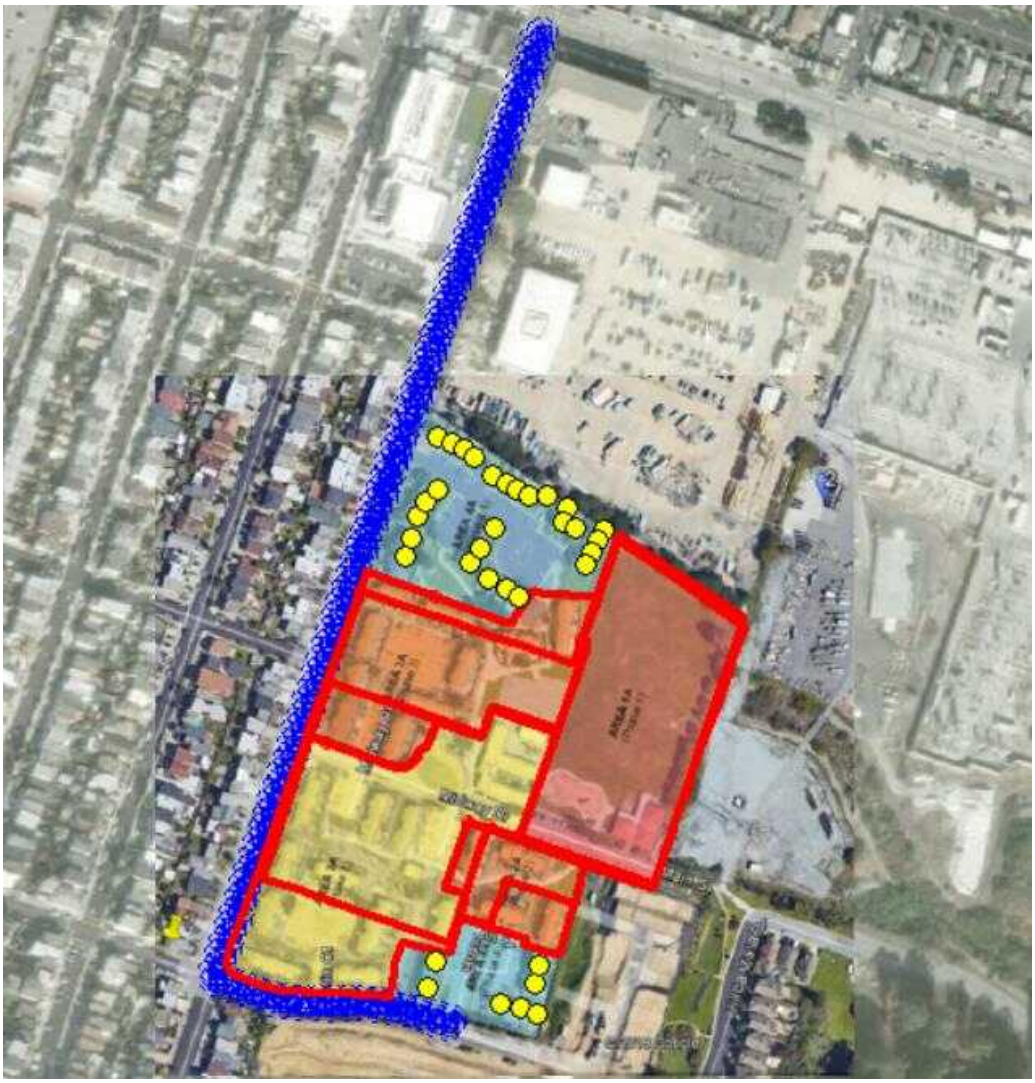


Figure 7 Scenario 4 with Demolition Map as a Base Map

Scenario 5: New Phase 1 Receptors

New Phase 1 Receptors: Exposed to Phases 2+3+4 Demolition and Phases 2+3+4 Construction

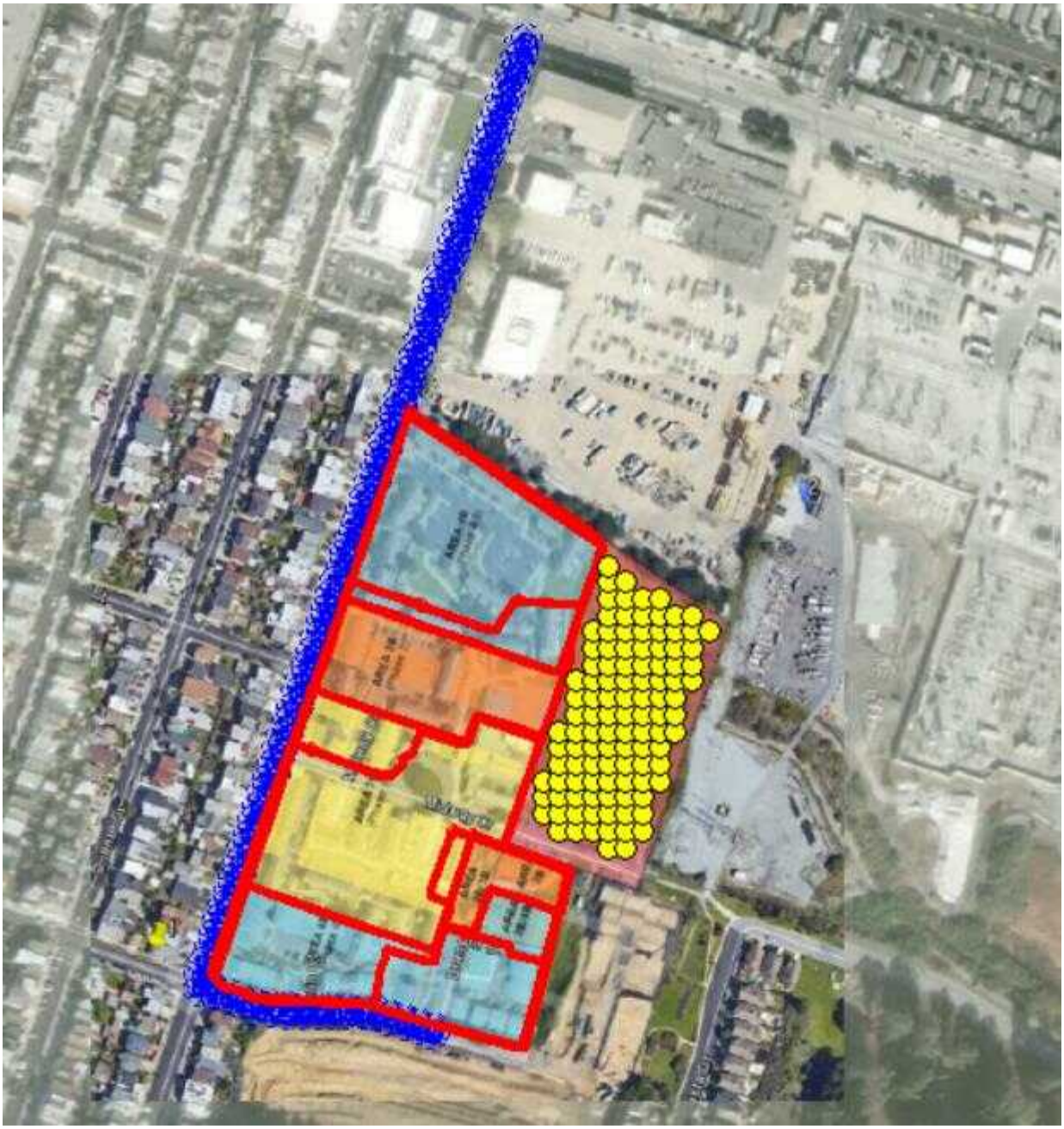


Figure 8 Scenario 5 with Construction Map as a Base Map

Scenario 6: New Phase 2 Receptors

New Phase 2 Receptors: Exposed to Phases 3+4 Demolition and Phases 3+4 Construction

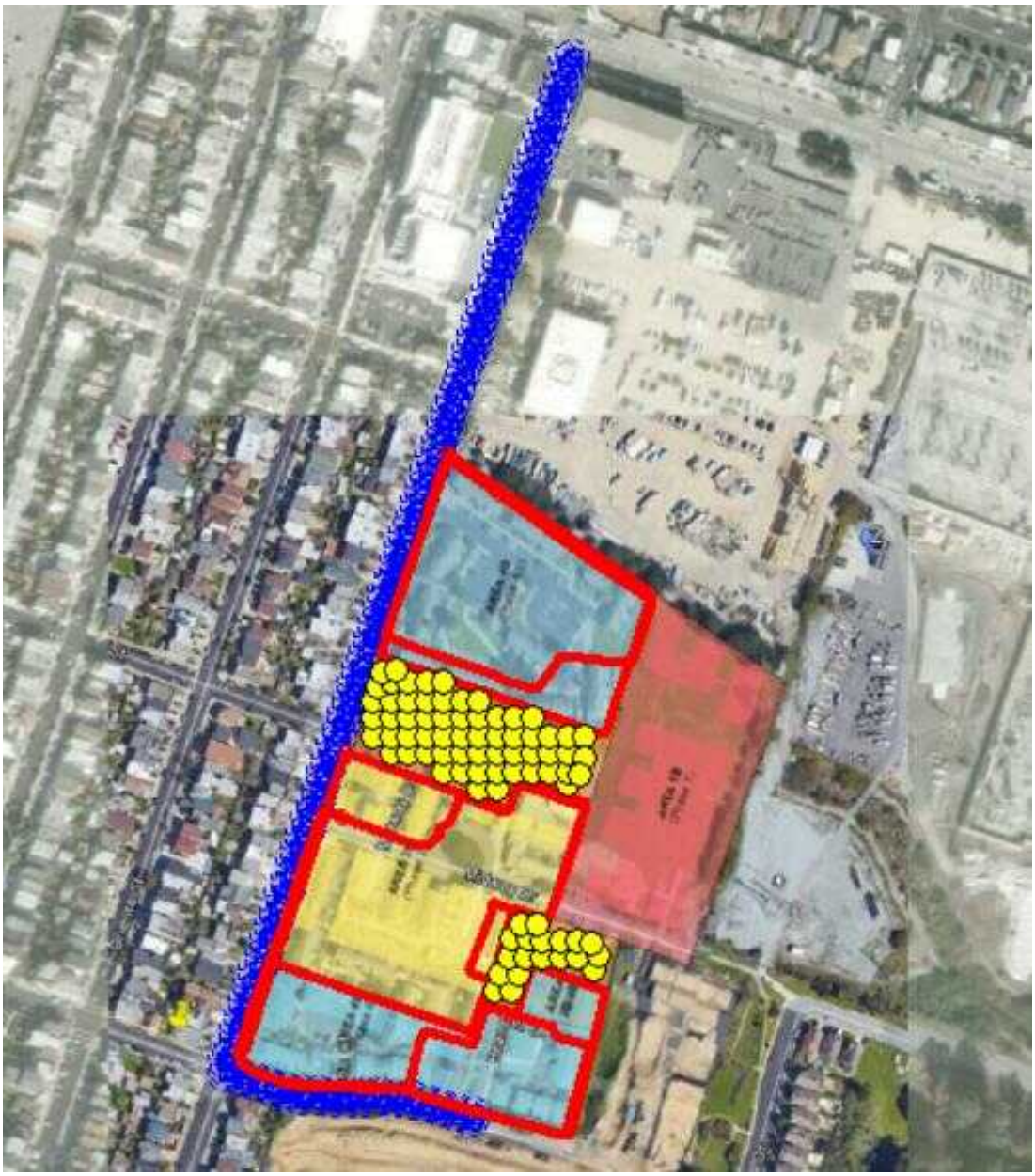


Figure 9 Scenario 6 with Construction Map as a Base Map

Scenario 7: New Phase 3 Receptors

New Phase 3 Receptors: Exposed to Phase 4 Demolition and Phase 4 Construction

Figure 10 Scenario 7

Scenario 1

Cancer Risk Calculations Using OEHHA/BAAQMD Cancer Risk Assumptions
Midway Village Project— Scenario 1: All Off-site Receptors
Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Infant

UTM:	551763.51	4172840.85	**UTM:**	551568.65	4173003.88

Cancer Potency Factor:	1.1	$(mg/kg\text{-}day)^{-1}$
Exposure Frequency	350	days/year
Averaging Period	25550	days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
3rd Trimester	0.389539517	10	361	0.85	0.25	4.5
0-1	0.389539517	10	1,090	0.85	0.68	37.1
1-<2	0.389539517	10	1,090	0.85	0.00	0.0
2-<3	0.389539517	3	631	0.85	0.58	5.4
3-<4	0.389539517	3	631	0.85	0.42	3.9
4-<5	0.389539517	3	631	0.85	0.73	6.9
5-<6	0.389539517	3	631	0.85	0.44	4.2
					Total	62.10

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
3rd Trimester	0.037367916	10	361	0.85	0.25	0.4
0-1	0.037367916	10	1,090	0.85	0.68	3.6
1-<2	0.037367916	10	1,090	0.85	0.00	0.0
2-<3	0.037367916	3	631	0.85	0.58	0.5
3-<4	0.037367916	3	631	0.85	0.42	0.4
4-<5	0.037367916	3	631	0.85	0.73	0.7
5-<6	0.037367916	3	631	0.85	0.44	0.4
					Total	5.96

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Child

UTM:	551763.51	4172840.85

Cancer Potency Factor:	1.1	$(mg/kg\text{-}day)^{-1}$
Exposure Frequency	350	days/year
Averaging Period	25550	days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Construction Period	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
All Phases	0.389539517	3	572	1	3.10	31.2
					Total	31.24

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Construction Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
All Phases	0.037367916	3	572	1	3.10	3.0
					Total	3.00

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Adult

UTM:	551763.51	4172840.85

Cancer Potency Factor:	1.1	$(mg/kg\text{-}day)^{-1}$
Exposure Frequency	350	days/year
Averaging Period	25550	days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Construction Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
All Phases	0.389539517	1	261	0.73	3.10	3.5
					Total	3.47

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Construction Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
All Phases	0.037367916	1	261	0.73	3.10	0.3
					Total	0.333

Midway Village Project—All Off-site Receptors Scenario

Estimates of Chronic Non-Cancer Hazard Index (CNCHI)

Unmitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM: 5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
551763.51	4172840.85	0.3895	0.3895	0.07791

Unmitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
551763.51	4172840.85	0.5506	0.5506

Mitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM: 5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
551568.65	4173003.88	0.0374	0.0374	0.00747

Mitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
551558.98	4172977.03	0.1975	0.1975

Midway Village Project—All Off-site Receptors Scenario

All Off-site Receptors Exposed to Phases 1+2+3+4: Demolition and Phases 1+2+3+4 Construction

Construction Annual DPM Emissions (PM2.5 Exhaust)

Unit Related Constants

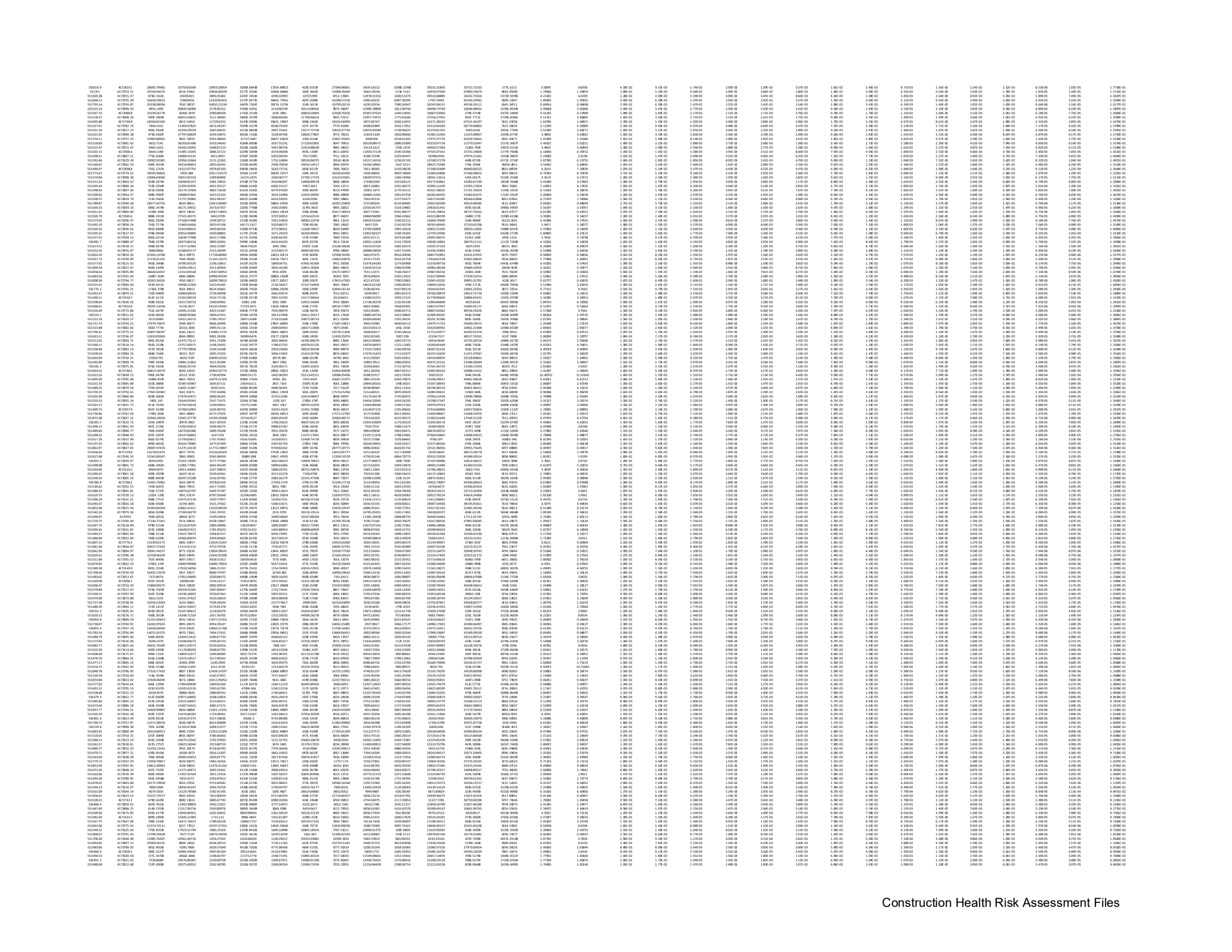
Annual Average On site DPM Rate—Demolition Area 1A (Ph ase 1) or area 1 (Phase 2+3+4)	1.66E-06
Annual Average On site DPM Rate—Demolition Area 1A (Phase 1 of 2 Ph as e 2) or area 2 (Phase 2+3+4)	8.71E-07
Annual Average On site DPM Rate—Demolition Area 1A (Phase 1 of 2 Ph as e 2) or area 2 (Phase 2+3+4)	8.71E-07
Annual Average On site DPM Rate—Demolition Area 1A (Ph ase 1) or area 3 (Phase 2+3+4)	6.37E-07
Annual Average On site DPM Rate—Demolition Area 4A (Phase 1 of 2 Ph as e 4) or area 4 (Phase 2+3+4)	8.02E-07
Annual Average On site DPM Rate—Demolition Area 4A (Phase 1 of 2 Ph as e 4 - Ph as e 4/5) or area 4 (Phase 2+3+4)	8.02E-07
Annual Average On site DPM Rate—Construction Area 1B (Ph ase 1) (grams/m2/sec):	9.68E-07
Annual Average On site DPM Rate—Construction Area 2B (Ph ase 1 of 2 Ph as e 2) (grams/m2/sec):	8.39E-07
Annual Average On site DPM Rate—Construction Area 2B and 2B/3B (Ph ase 1 of 2 Ph as e 2) (grams/m2/sec):	8.39E-07
Annual Average On site DPM Rate—Construction Area 3B (Ph ase 3) (grams/m2/sec):	5.32E-07
Annual Average On site DPM Rate—Construction Area 4B and 3B/4B (Ph ase 3) (grams/m2/sec):	5.32E-07
Annual Average On site DPM Rate—Construction Area 4B (Ph ase 4/5) (grams/m2/sec):	5.68E-07
Annual Average Off site DPM Emission Rate - Road Segment 1 (grams/sec):	1.60E-05
Annual Average Off site DPM Emission Rate - Road Segment 2 (grams/sec):	1.60E-05

Unmitigated Operational DPM Concentrations

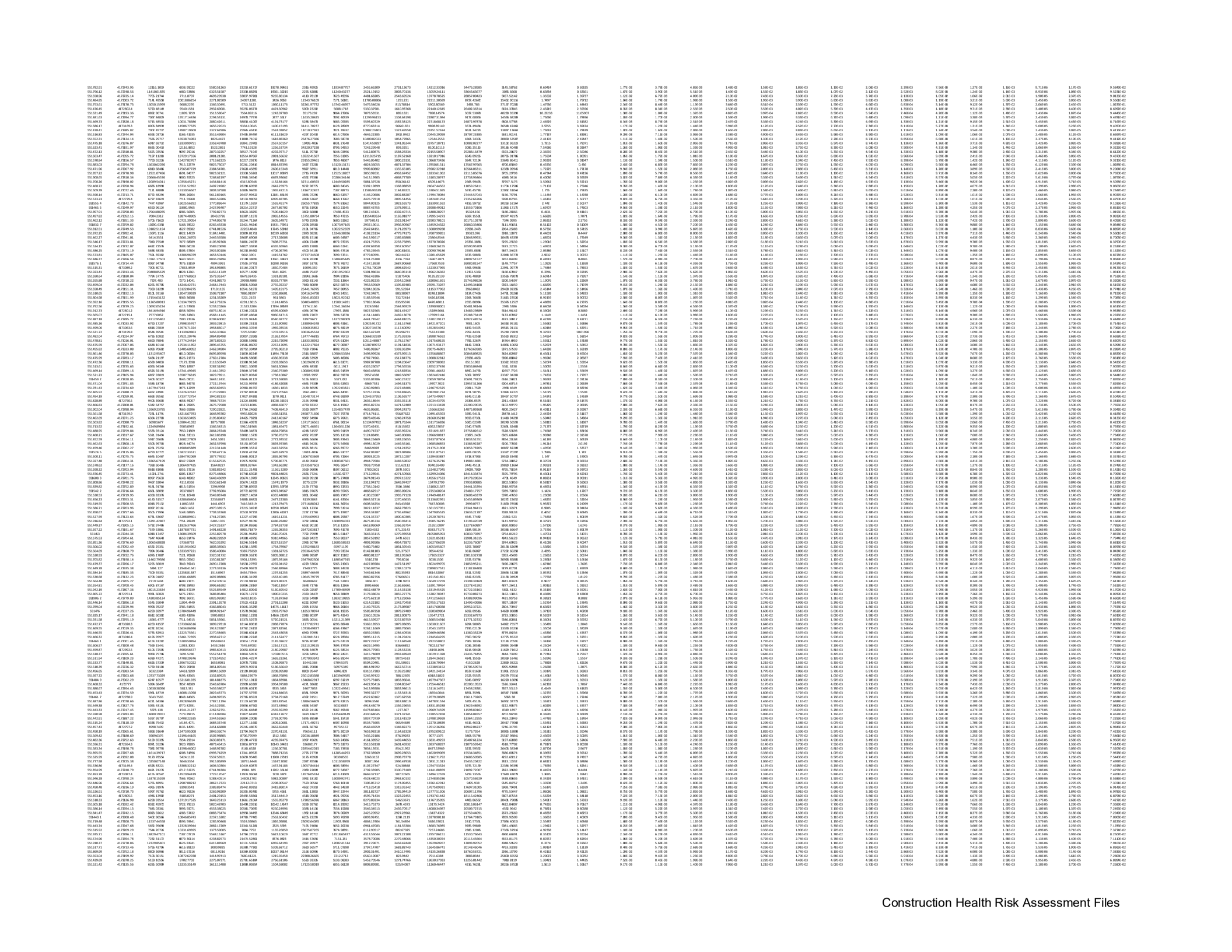
Maximum DPM (ug/m3)	X UTM	Y UTM
3.895E-01	91176.51	4172840.85

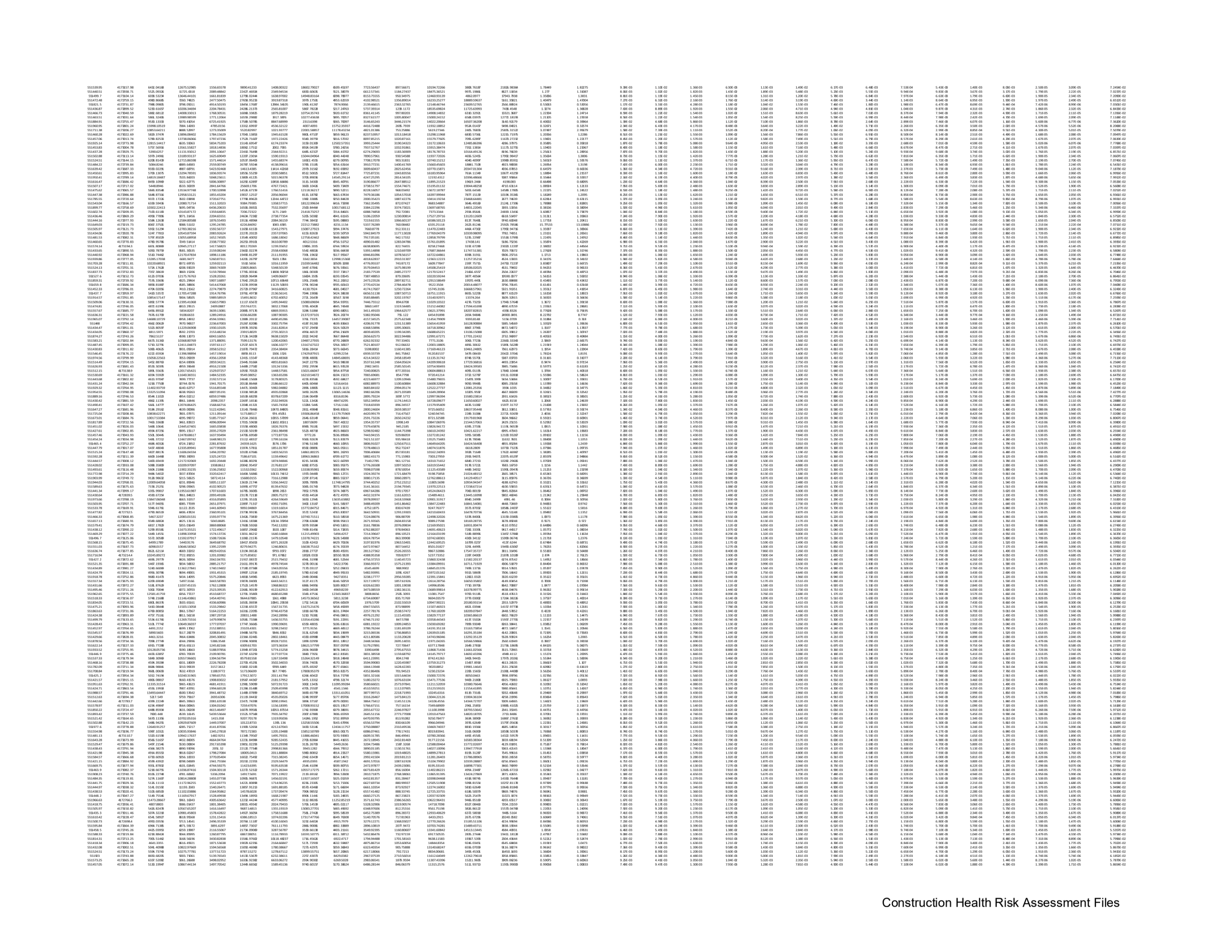
MIR	
UTM	91176.51 / 4172840.85
Latitude, Longitude	37°42'04.87"N 122°24'46.1"W

| | Unit Emissions | Unit Emissions | Unit Emissions | Unit Emissions | Unit Emissions | Unit Emissions | Unit Emissions | Unit Emissions | Unit Emissions | Unit Emissions | Unit Emissions | Unit Emissions | Annual DPM Exhaust | Annual DPM Exhaust | Annual DPM Exhaust



Construction Health Risk Assessment Files


Construction Health Risk Assessment Files


Construction Health Risk Assessment Files

Construction Health Risk Assessment Files

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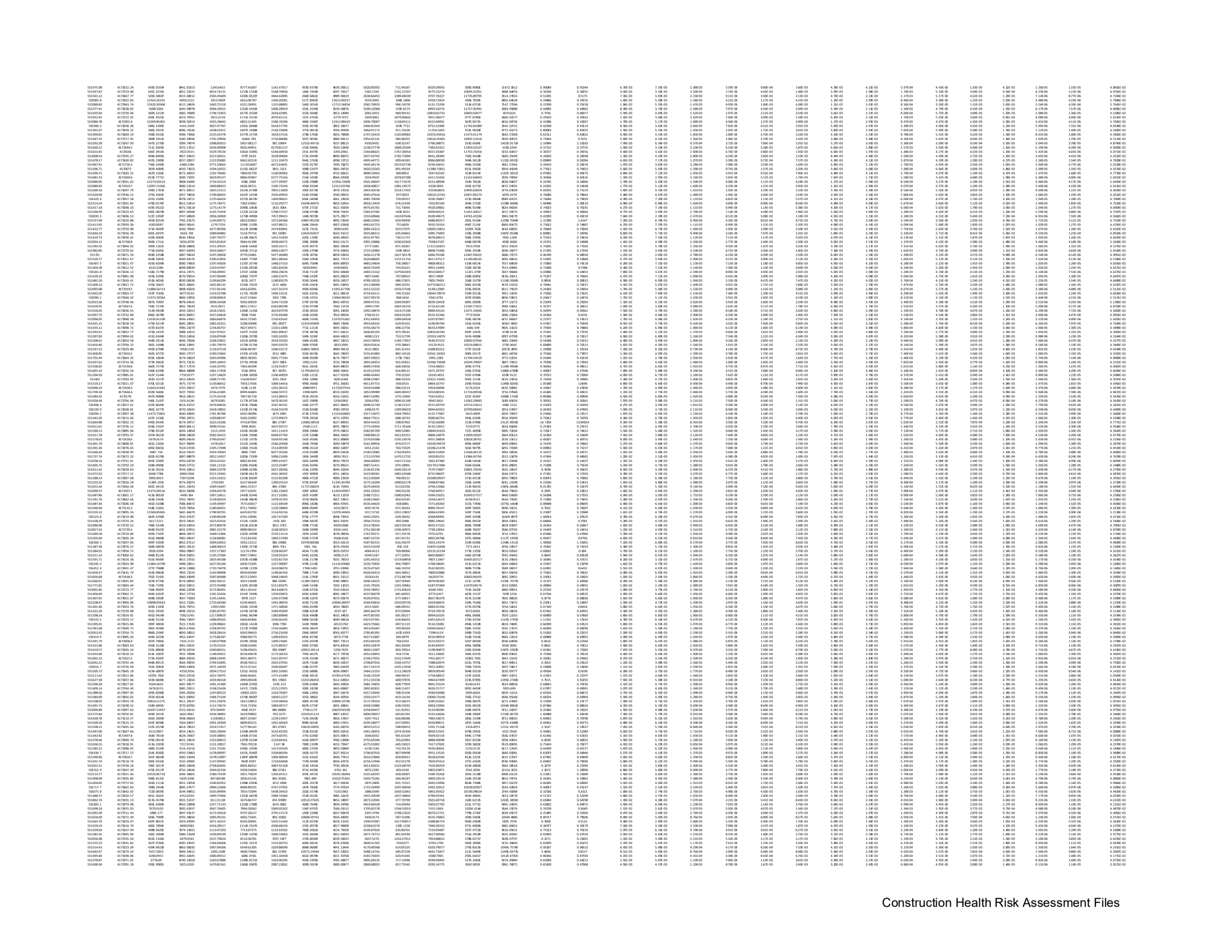
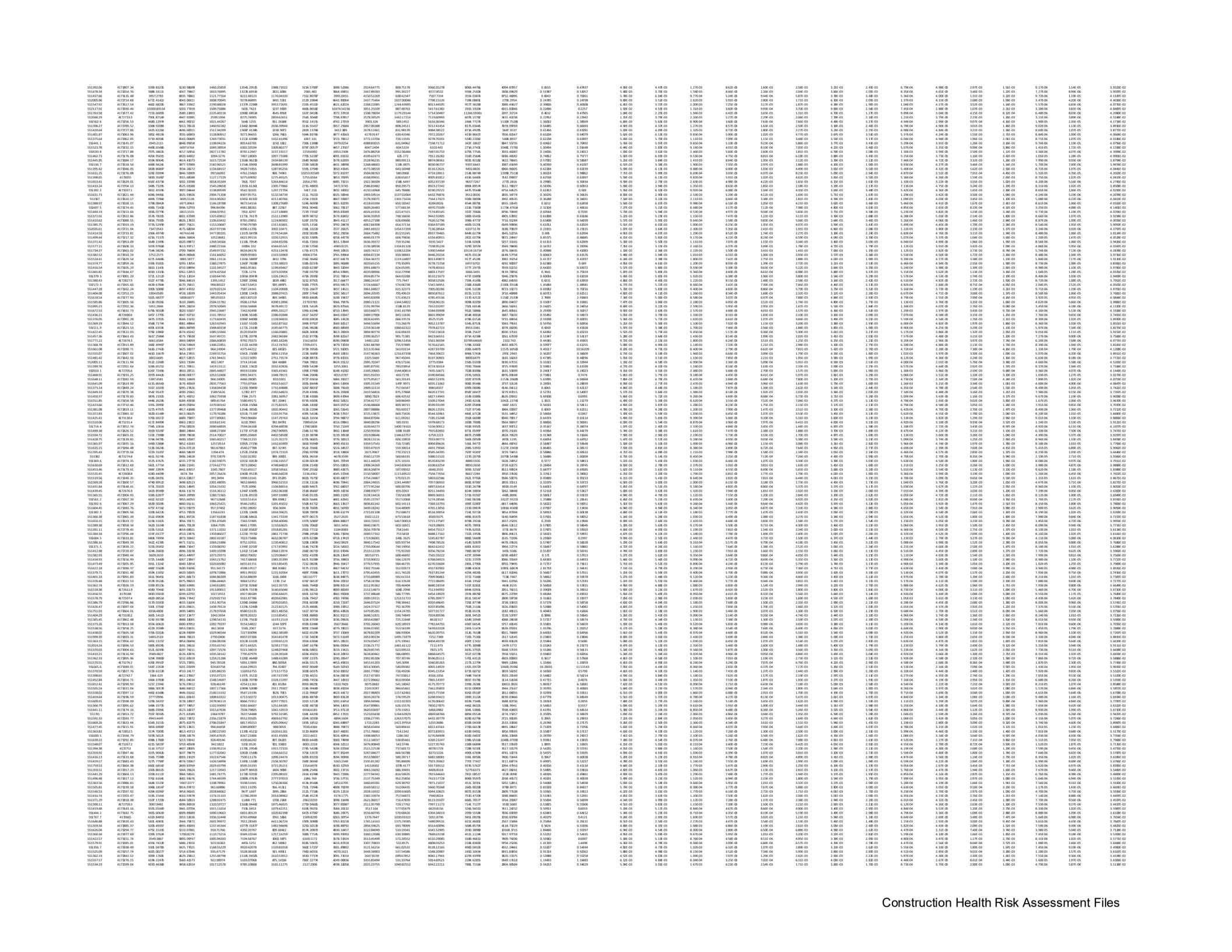
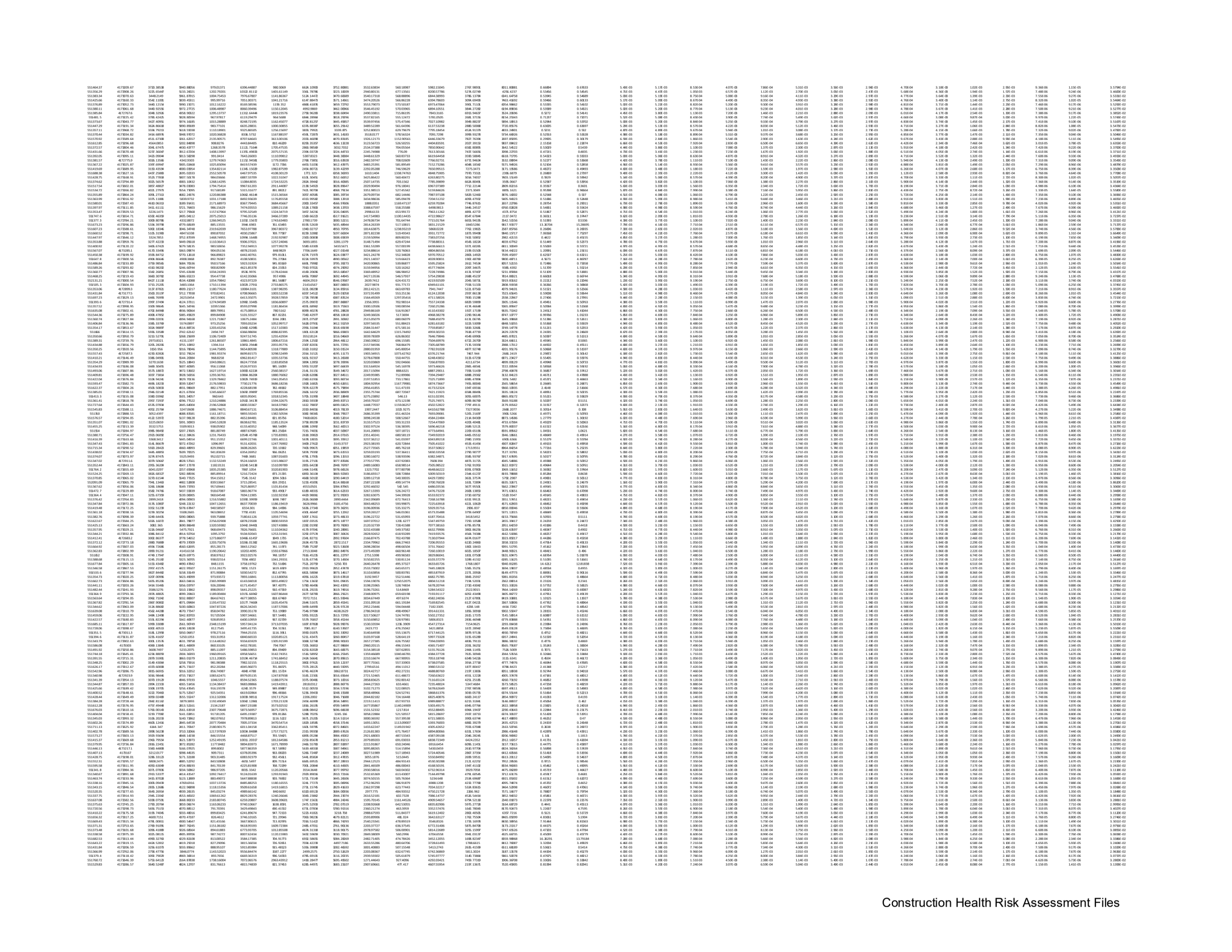
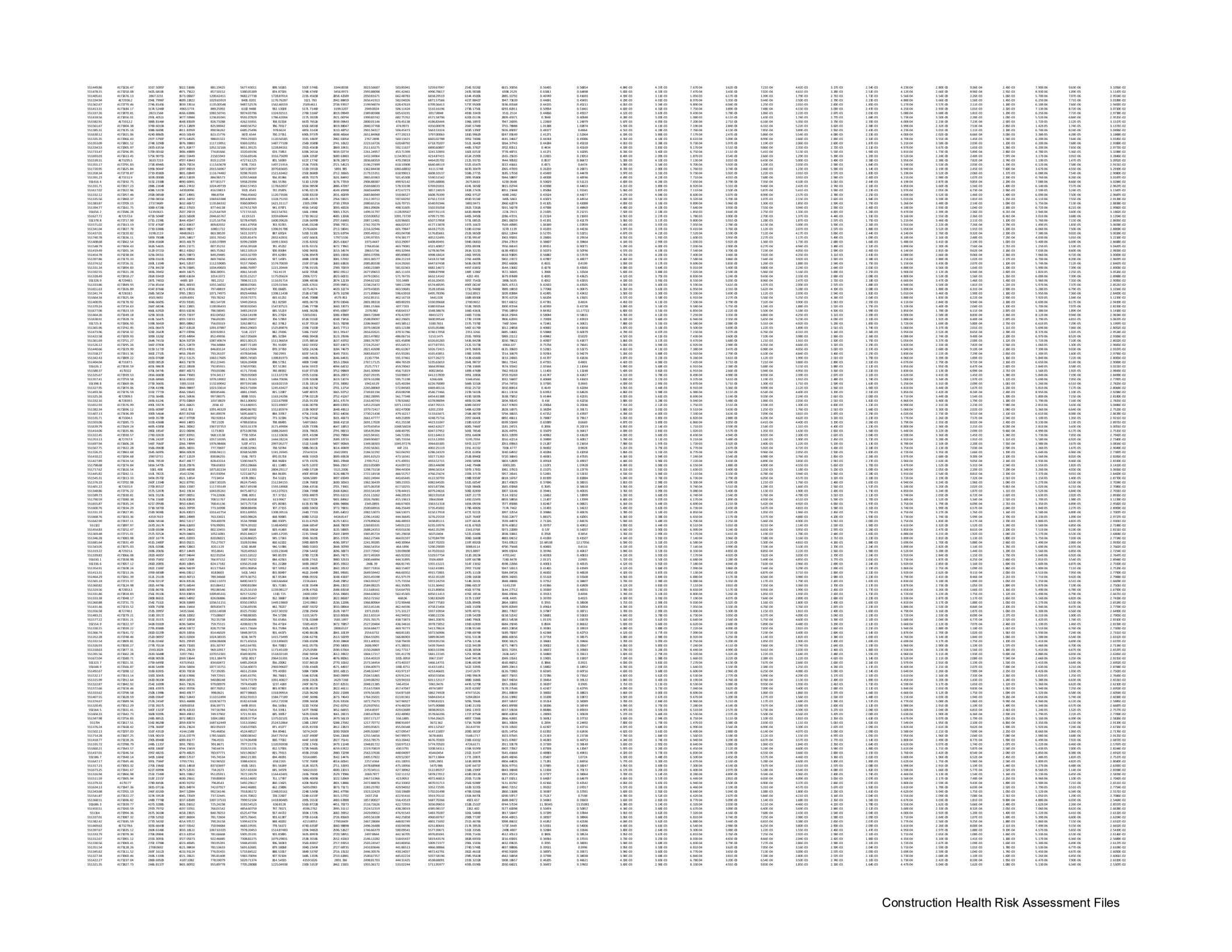
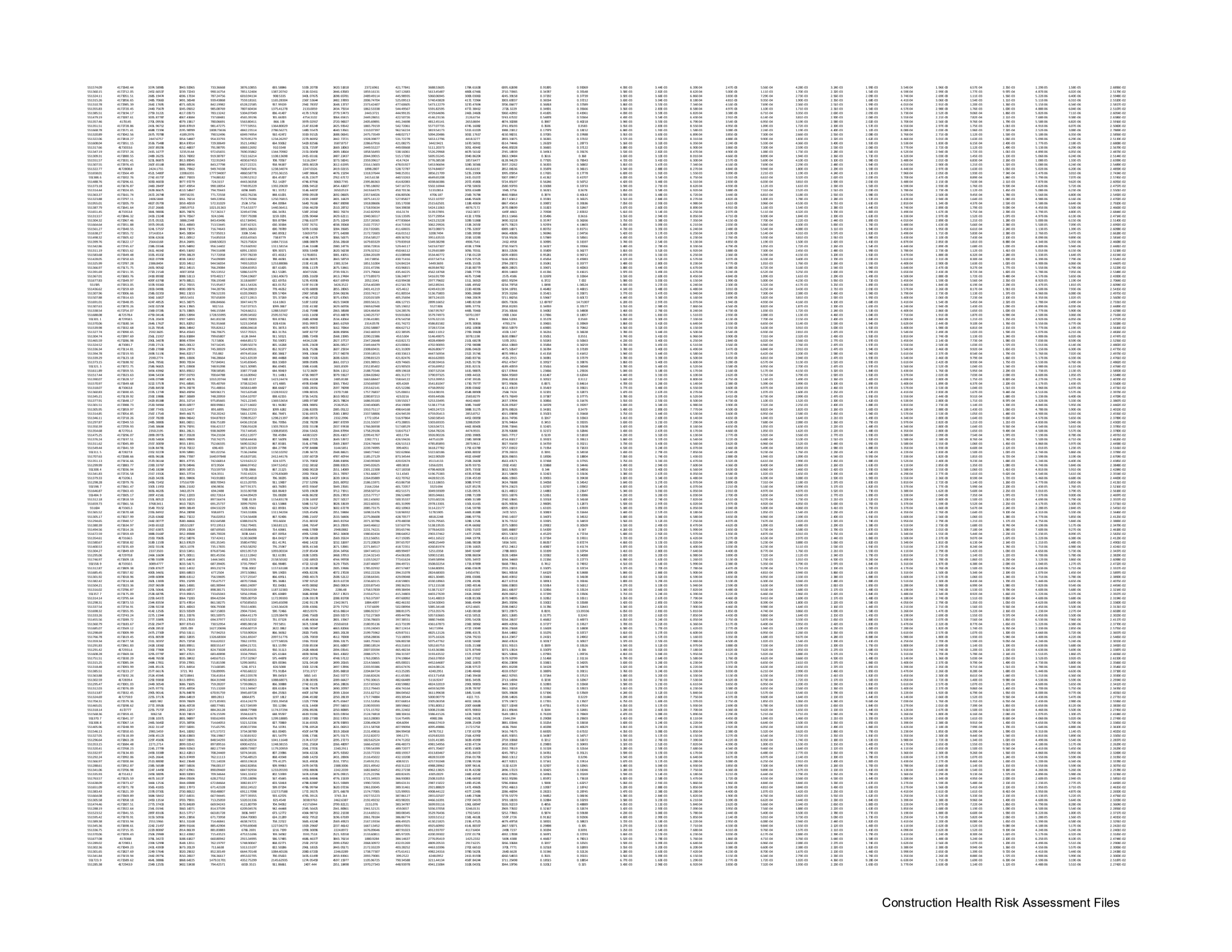
551570.65	4173757.08	10569.594	5939.24864	4692.09098	11785.50162	44568.07638	2938.28908	10305.73695	33515.51589	23568.61132	101463.37004	5039.89578	3936.58052	0.29985	0.29809	1.58E-02	6.88E-03	3.56E-03	2.79E-02	2.59E-03	2.34E-03	9.77E-03	2.81E-03	1.90E-03	5.40E-05	3.39E-03	1.46E-03	4.18E-06	5.05E-06	1.91E-02
551574.4	4173891.25	5633.1821	9813.7849	26802.49859	14597.00936	41513.02641	4146.02739	9173.88603	42575.87921	19242.84206	115635.25379	6607.00356	3924.84106	1.08135	1.08602	7.48E-03	4.98E-03	1.49E-03	5.41E-03	1.44E-03	3.16E-03	2.57E-03	1.97E-03	2.97E-03	3.16E-03	1.95E-03	5.95E-03	1.29E-05	1.56E-05	6.43966-03

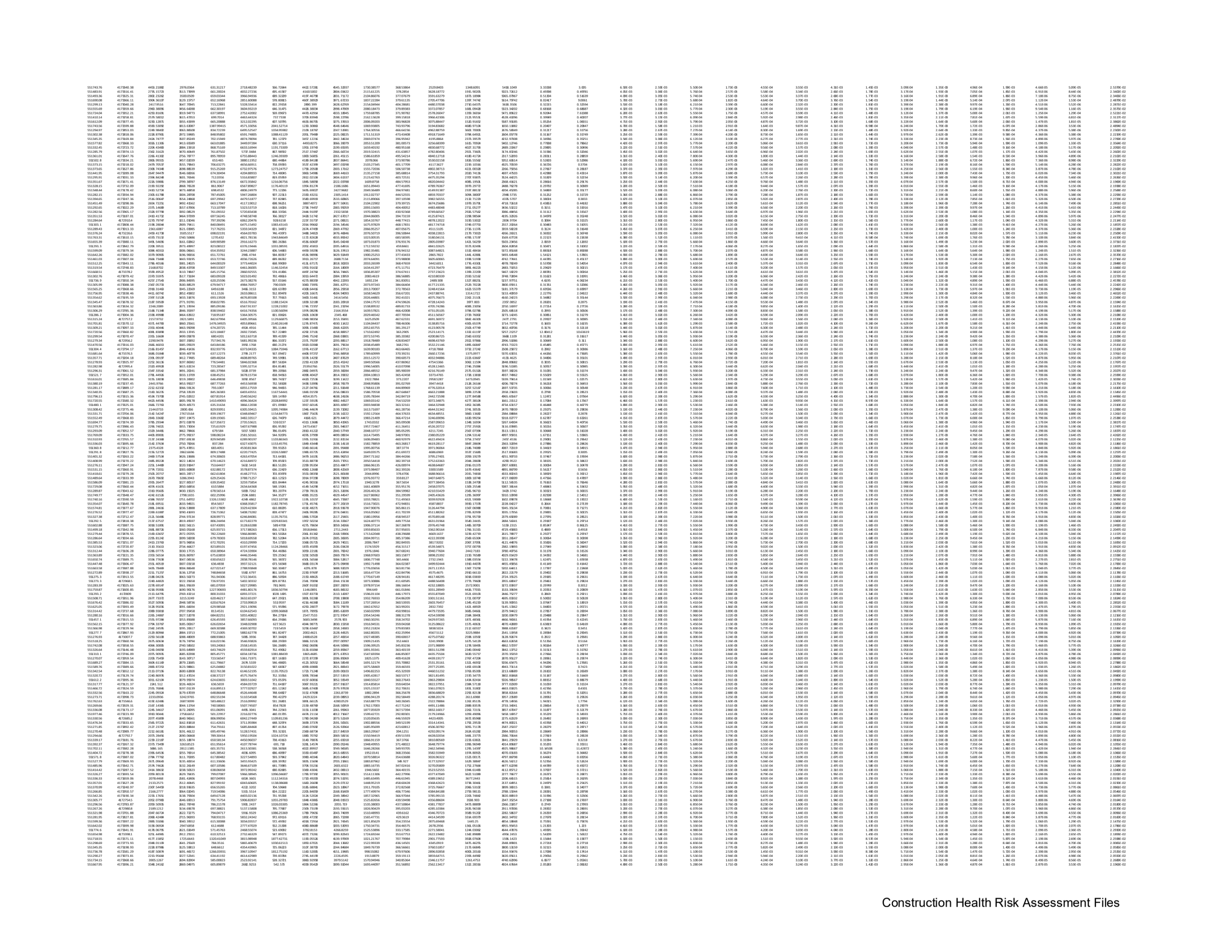

Construction Health Risk Assessment

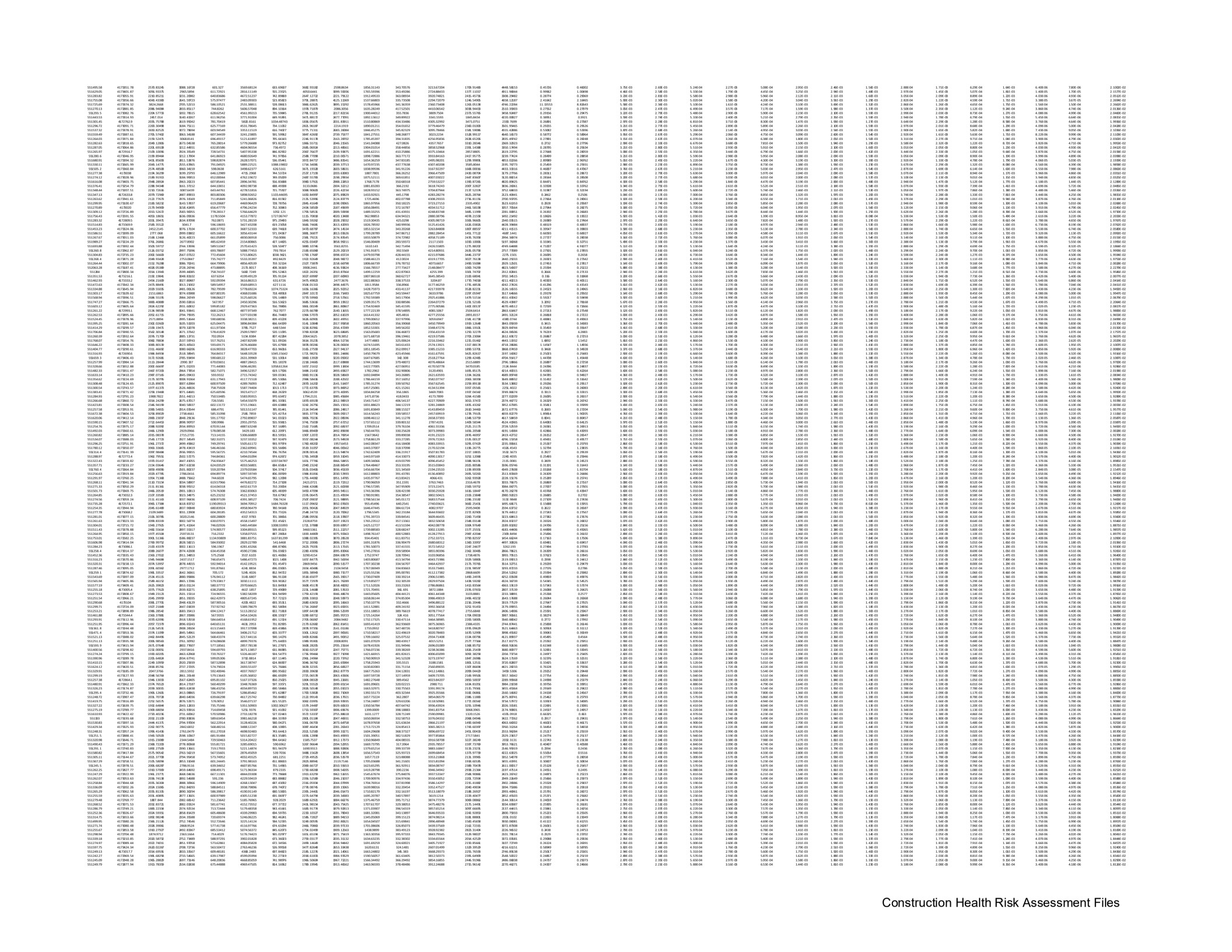

Construction Health Risk Assessment Files

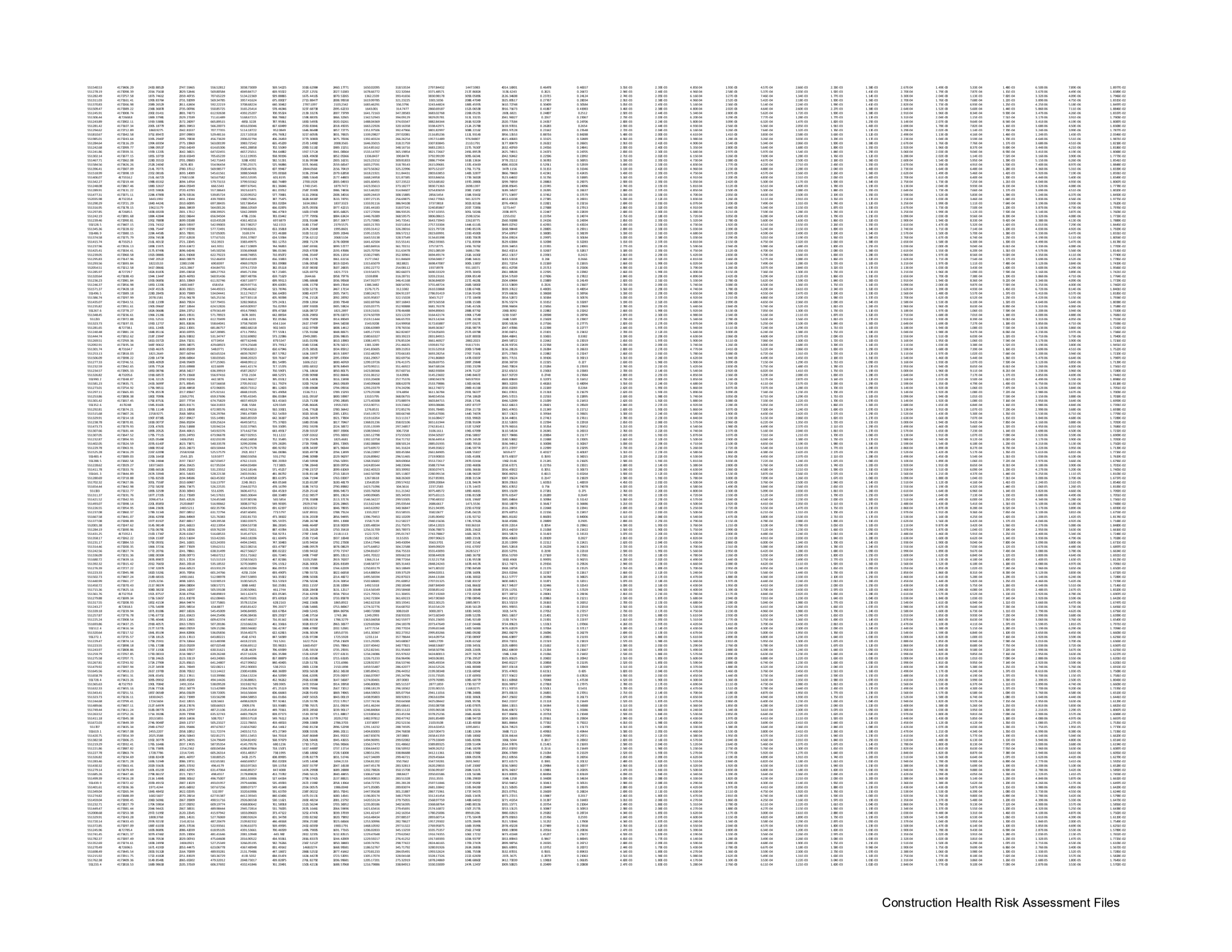

Construction Health Risk Assessment Files

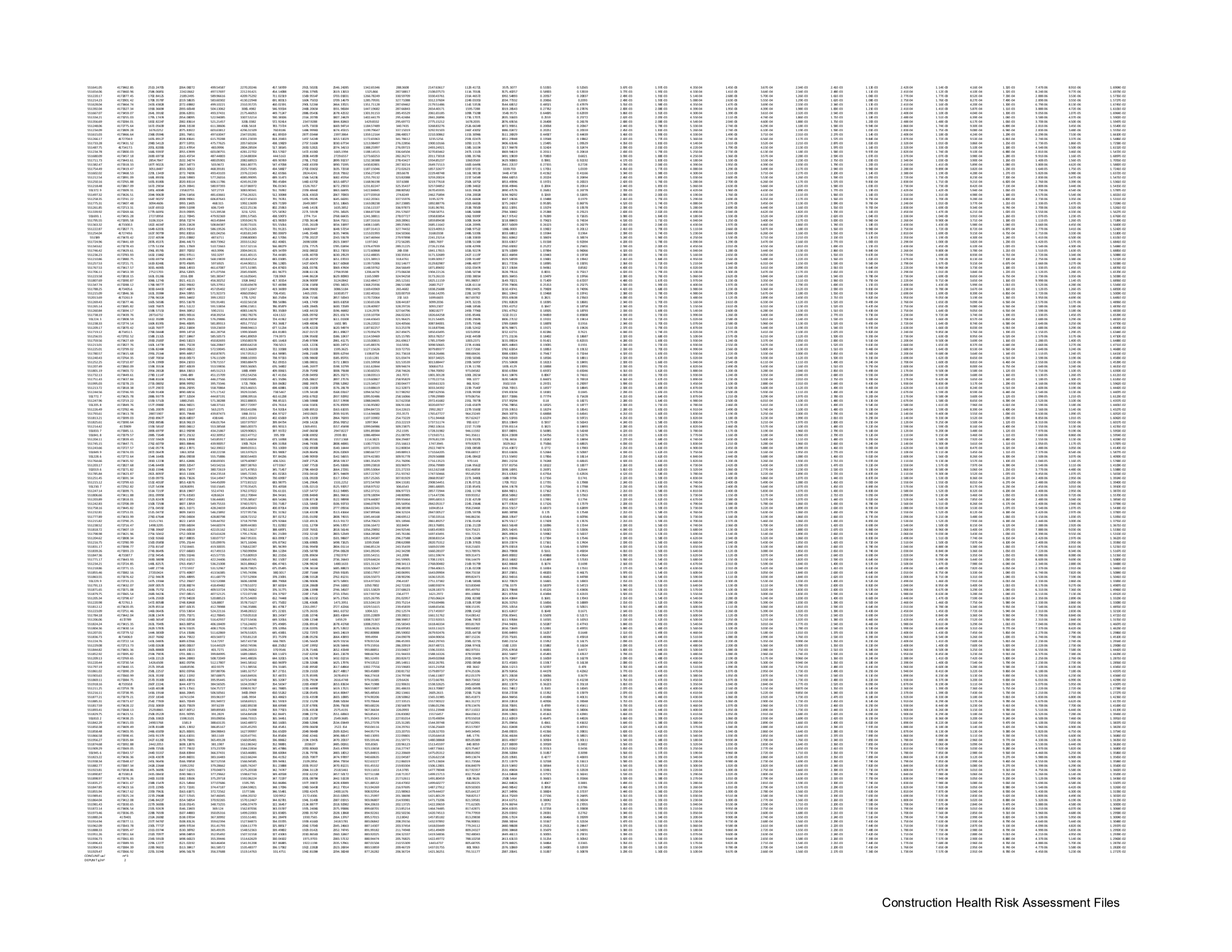

Construction Health Risk Assessment Files


Construction Health Risk Assessment Files


Construction Health Risk Assessment Files


Construction Health Risk Assessment Files


Construction Health Risk Assessment Inside



Construction Health Risk Assessment Files

Midway Village Project—All Off-site Receptors Scenario

All Off-site Receptors Exposed to Phases 1+2+3+4 Demolition and Phases 1+2+3+4 Construction

Construction Annual Total PM2.5 Emissions (PM2.5 Total)

Unmitigated Concentrations

Annual Average On-site Total PM2.5 Emission Rate—Demolition Area 1A (Phase 1) (grams/m2/sec): 1.59E-06

Annual Average On-site Total PM2.5 Emission Rate—Demolition Area 2A (Part 1 of 2 Phase 2) (grams/m2/sec): 1.61E-06

Annual Average On-site Total PM2.5 Emission Rate—Demolition Area 2A (Part 2 of 2 Phase 2) (grams/m2/sec): 1.13E-06

Annual Average On-site Total PM2.5 Emission Rate—Demolition Area 3A (Phase 3) (grams/m2/sec): 8.62E-07

Annual Average On-site Total PM2.5 Emission Rate—Demolition Area 4A (Part 1 of 2 Phase 4 – Phase 4/5) (grams/m2/sec): 8.68E-07

Annual Average On-site Total PM2.5 Emission Rate—Demolition Area 4A (Part 2 of 2 Phase 4 – Phase 4/5) (grams/m2/sec): 1.64E-06

Annual Average On-site Total PM2.5 Emission Rate—Construction Area 1B (Phase 1) (grams/m2/sec): 1.64E-06

Annual Average On-site Total PM2.5 Emission Rate—Construction Area 2B and 3B (Part 1 of 2 Phase 2) (grams/m2/sec): 1.03E-06

Annual Average On-site Total PM2.5 Emission Rate—Construction Area 2B and 3B (Part 2 of 2 Phase 2) (grams/m2/sec): 1.21E-06

Annual Average On-site Total PM2.5 Emission Rate—Construction Area 4B (Phase 4/5) (grams/m2/sec): 8.14E-07

Annual Average Off-site Total PM2.5 Emission Rate - Road Segment 1 (grams/m/sec): 8.64E-04

Annual Average Off-site Total PM2.5 Emission Rate - Road Segment 2 (grams/m/sec): 4.74E-04

Unmitigated PM2.5 Concentrations		
Maximum	MIR	
DPM	UTM	
(ug/m3)	X	Y
5.50E-01	511763.51	4172840.85

MIR		
UTM	511763.51	4172840.85
Latitude, Longitude	37°42'04.87"N 122°24'46.1"W	

X	Y	Demolition Area 1A (Phase 1) AREA0	Demolition Area 2A (Part 1 of 2 Phase 2) AREA1	Demolition Area 2A (Part 2 of 2 Phase 2) AREA2	Demolition Area 3A (Phase 3) AREA3	Demolition Area 4A (Part 1 of 2 Phase 4 – Phase 4/5) AREA4	Demolition Area 4A (Part 2 of 2 Phase 4 – Phase 4/5) AREA5	Construction Area 1B (Phase 1) AREA6	Construction Area 2B and 3B (Part 1 of 2 Phase 2) AREA7	Construction Area 2B and 3B (Part 2 of 2 Phase 2) AREA8	Construction Area 4B (Phase 4/5) AREA9	Construction Area 4B and Area 2B/4B (Phase 4) AREA10	Road Segment 1 LINE1	Road Segment 2 LINE2	Annual PM2.5 (ug/m3)	Annual PM2.5 (ug/m3)	Annual PM2.5 (ug/m3)	Annual PM2.5 (ug/m3)	Annual PM2.5 (ug/m3)	Annual PM2.5 (ug/m3)	Annual PM2.5 (ug/m3)	Annual PM2.5 (ug/m3)	Annual PM2.5 (ug/m3)	Annual PM2.5 (ug/m3)	Annual PM2.5 (ug/m3)	Annual PM2.5 (ug/m3)	Total (ug/m3)
551763.51	4172840.85	6665Z.40637	139863.56295	657667.94468	589987.55675	483837.01097	5359.08969	618300.48958	81016.26788	27636.37438	524616.22872	876271.64887	7526.49073	9.08566	1.09E-01	1.53E-02	7.41E-02	5.09E-02	3.50E-02	4.65E-03	8.30E-02	2.83E-02	6.36E-02	7.13E-02	6.13E-03	4.11E-04	4.10E-04	5.50E-01
551763.51	4172831.56	5367508708	139163.68054	656103.65345	57981.10859	58770.23364	49779.1095	55644.11565	69430.80097	21126.35418	489224.61948	995853.86673	8965.54885	9.09825	1.08E-01	1.56E-02	6.99E-02	4.97E-02	4.41E-02	4.62E-03	7.48E-02	7.09E-03	2.17E-02	5.90E-02	8.11E-02	5.08E-03	4.19E-04	4.19E-04	5.50E-01
551785.57	4172857.1	847151.66033	137456.05793	651188.73925	50999.76905	20301.38892	6236.30248	80196.12675	105447.76826	26588.68981	499102.60533	462796.61112	8691.89229	0.76061	0.7526	1.35E-01	1.59E-02	5.09E-02	4.99E-02	1.76E-02	5.41E-03	1.35E-01	1.08E-02	2.11E-02	7.14E-02	2.62E-03	9.04E-02	8.98E-02	4.03E-02	5.66E-02	6.41E-03	4.90E-03	5.50E-01
551785.43	4172844.93	1445897.638	134978.61182	649187.0738	48626.13408	37527.79983	38156.66603	146076.38996	69068.17652	25703.385	76484.21139	11051.91488	49346.51087	12.06746	13.512869	1.30E-02	1.28E-01	5.20E-03	4.86E-02	3.45E-03	2.93E-02	2.08E-02	6.33E-02	2.09E-03	1.02E-01	9.80E-03	3.35E-02	5.65E-03	6.62E-03	6.09E-03	4.78982E-03	
551565.63	4172894.93	1446737.805	108774.61102	661340.6096	56348.10108	39609.76135	33720.81783	36536.9852	62431.58858	2638.7479	83877.88486	120457.7064	45646.06748	12.0368	13.54158	1.30E-02	1.23E-01	5.20E-03	4.86E-02	3.45E-03	2.93E-02	2.08E-02	6.33E-02	2.09E-03	1.02E-01	9.80E-03	3.35E-02	5.65E-03	6.62E-03	6.09E-03	4.78982E-03	
551562.21	4172891.57	1449647.061	107795.9948	674113.84721	65918.15106	41913.96335	29999.8797	141717.0949	54700.12339	27055.55668	92516.68228	133844.7687	38846.05428	11.98866	13.472613	2.26E-02	1.18E-01	5.34E-03	5.04E-02	2.08E-02	2.08E-02	2.08E-02	5.58E-02	2.77E-03	1.12E-01	1.07E-02	3.58E-02	6.23E-03	6.39E-03	7.35E-03	4.75E-03	4.63E-03	5.50E-01
551756.98	4172913.57	1450572.9459	389143.57823	552301.18918	43887.4872	44914.0195	44914.0195	44914.0195	44914.0195	44914.0195	44914.0195	44914.0195	44914.0195	0.91381	0.91382	1.35E-02	1.29E-01	5.38E-03	5.07E-02	3.87E-03	3.07E-02	2.08E-02	6.38E-02	1.46E-02	1.19E-01	1.24E-02	3.97E-02	5.56E-03	6.32E-03	6.56E-03	4.56E-03	4.56E-03	5.50E-01
551558.98	4172977.03	1384171.438	950472.52059	48668.99275	77587.17648	44110.02431	35809.95554	138763.38617	47457.36852	27757.76878	99560.97041	144968.51234	34790.67988	11.92408	13.3595	2.20E-02	1.07E-01	5.48E-03	6.69E-02	3.84E-03	2.53E-02	2.02E-02	4.85E-02	2.84E-03	1.21E-01	1.18E-02	2.89E-02	5.59E-03	6.33E-03	4.72E-03		
551555.76	4172998.03	1397274.4488	892.92324	46668.1849	77587.17648	43167.67018	33591.86107	135053.67014	47457.36852	27757.76878	99560.97041	144968.51234	34790.67988	11.89622	13.30564	2.16E-02	1.06E-01	5.52E-03	7.07E-02	3.79E-03	2.06E-02	2.08E-02	4.04E-02	2.06E-02	1.21E-01	1.31E-02	2.36E-02	5.37E-03	6.31E-03	4.41E-03		
551552.53	4172959.12	1392617.2428	5113.134	99310.84802	48874.66591	21703.38888	13266.81246	85733.70907	29118.9795	12783.47458	41933.19888	63731.59307	17986.0918	27901.4077	11.8987	13.24135	2.31E-02	8.78E-03	6.57E-02	3.97E-03	1.86E-02	1.91E-02	3.98E-02	1.46E-02	1.19E-01	1.24E-02	1.97E-02	5.39E-03	6.30E-03	4.32E-03		
551782.31	4172847.81	674431.8142	930.59259	276332.38664	53185.79668	50657.90718	36895.13008	93078.19268	33595.15624	15338.96957	47884.85795	53930.07467	19099.90924	77.7782	1.095	1.92E-02	3.57E-03	4.37E-02	4.17E-03	1.68E-02	1.91E-02	3.98E-02	1.46E-02	1.19E-01	1.24E-02	1.97E-02	5.39E-03	6.30E-03	4.32E-03		
551753.71	4172812.98	560158.6514	9859.85219	276332.38664	52138.79668	69881.53849	4138.98098	34987.60664	52893.38488	11137.84439	37957.97187	118263.17864	9801.03847	0.9116	0.93075	1.75E-02	1.03E-02	3.11E-02	4.51E-02	6.02E-02	3.61E-03	5.08E-02	5.20E-03	1.14E-02	4.61E-02	9.63E-02	4.35E-03	4.66E-04	4.65E-04	4.22681E-03	
551573.67	4172827.01	1397513.0185	96793.41386	38993.82729	56408.85508	38986.99588	28995.90377	18095.4809	49291.25979	22502.28627	47914.18353	67918.08791	9.91881	0.9116	0.93075	1.20E-02	1.09E-01	5.20E-03	4.90E-02	2.82E-03	2.82E-03	2.08E-02	6.63E-02	2.09E-03	1.02E-01	9.80E-03	3.35E-02	5.65E-03	6.62E-03	6.09E-03	4.26381E-03	
551779.04	4172838.52	538793.48355	13365.9277	46661.53071	50279.81348	28093.58896	5099.40236	51794.98055	78609.97528	22327.28338	45319.01746	62323.64113	6998.5063	0.78085	0.78042	8.57E-02	1.15E-02	5.26E-02	4.54E-02	2.43E-03	7.46E-02	8.08E-03	2.28E-02	5.50E-02	5.07E-02	5.88E-03	3.70E-04	4.44751E-03		
551754.44	4172841.69	322234.16239	8841.40007	33981.30812	49408.30784	17188.31486	3134.08403	48823.86257	74096.17256	21052.26627	43914.36266	59364.9011	9537.70053	0.97883	0.98246	1.32E-02	1.26E-01	5.22E-03	5.45E-02	3.56E-03	2.56E-02	2.08E-02	6.47E-02	2.09E-03	1.02E-01	9.80E-03	3.35E-02	5.65E-03	6.62E-03	6.09E-03	4.75E-03	4.75E-03	5.50E-01
551539.63	4172923.29	11866.708	84154.50489	125369.9406	14865.25896	11808.20916	21352.69272	30645.09166	101486.2379	29248.70821	19268.40148	11.96643	12.893334	1.89E-02	4.80E-02	6.10E-03	1.08E-01	4.91E-03	1.29E-02	1.70E-02	2.18E-02	3.13E-03	1.23E-02	2.38E-02	1.97E-02	5.47E-03	6.11E-03	4.15397E-03		
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551575.74	4172940.12	1384643355.6	56453.82073	56432.23775	10181.2646	5060.159	18450.14811	127791.9705	36406.72268	28473.8739	97761.12853	139041.8993	1.99E-02	6.49E-02	5.64E-03	8.91E-02	4.60E-03	1.66E-02	1.97E-02	1.30E-02	2.93E-02	2.91E-03	1.19E-02	1.67E-02	1.96E-02	4.82E-03	5.38E-03	4.14348E-03		
551536.4	4172914.33	1114385559	769193.59679	54602.65545	127371.921	58071.16458	13648.66664	113908.81039	190729.2293	30828.66495	97723.36737	339169.55135	176[illegible]	0.8005	1.01E-01	1.98E-02	1.29E-01	6.24E-02	6.15E-03	1.10E-01	1.68E-02	1.99E-02	3.15E-03	1.19E-02	2.76E-02	1.46E-02	5.45E-03	6.08E-03	4.04681E-03		
551542.08	4172909.89	11368.6681	534.58679	54762.69496	108668.9556	53092.21687	12147.67305	102573.2197	168530.8432	27257.57197	86313.821	299261.6819	22926.16097	0.71098	0.71098	1.75E-02	1.15E-01	5.70E-03	9.03E-02	4.18E-03	2.26E-02	1.82E-02	5.48E-02	2.54E-03	1.48E-01	1.66E-02	1.76E-02	4.77E-03	5.30E-03	4.18E-03		
551775.78	4172823.23	647231.61502	1713.3759	42491.11998	49508.32747	35734.98067	4588.32296	43219.75223	66551.07238	18277.7983	62486.65568	70001.17261	6885.84026	0.7992	0.78165	1.32E-02	4.79E-02	4.27E-03	3.10E-02	3.98E-03	6.22E-03	6.78E-03	1.87E-02	5.16E-03	5.70E-02	5.30E-03	3.75E-04	3.75E-04	4.12E-03		
551747.18	4172784.4	1312103.858	4694.6812	46615.58206	50814.58099	36086.66098	30365.3033	38956.66087	61113.4989	16504.80858	57453.29881	63668.19253	6885.84026	0.9053	0.98113	1.45E-02	4.68E-02	4.42E-03	3.02E-02	4.49E-03	6.58E-03	6.88E-03	1.82E-02	5.47E-03	5.55E-02	5.16E-03	3.65E-04	3.65E-04	4.00E-03		
551691.96	4172759.37	228958.87193	9931.90862	178261.17134	45537.33166	75745.91262	43773.3743	223413.89518	48807.01527	81688.89239	226351.66629	417914.38353	4093.38437	2.09886	2.09045	6.66E-02	8.94E-03	2.01E-02	3.95E-02	6.58E-02	3.80E-03	5.20E-02	4.95E-03	1.05E-01	4.96E-03	9.78E-04	9.91E-04	5.59381E-03		
551591.01	4172787.51	1299147819	53865.13464	205619.3123	19593.95238	2381.66022	80113.36859	131080.2643	341212.1491	17416.62133	61B.83734	104224.4108	10.39204	11.31203	2.07E-02	1.36E-01	5.70E-03	1.19E-01	3.35E-03	1.75E-02	1.78E-02	2.88E-02	5.70E-03	1.48E-01	1.66E-02	1.76E-02	4.77E-03	5.30E-03	4.16681E-03		
551559.99	4172807.22	1323611626	53643.13503	4693.36645	49408.30784	37188.31486	31349.38859	40823.86257	63926.4989	17416.62133	59364.9011	65668.19253	6885.84026	0.9053	0.98113	1.45E-02	4.68E-02	4.42E-03	3.02E-02	4.49E-03	6.58E-03	6.88E-03	1.82E-02	5.47E-03	5.55E-02	5.16E-03	3.65E-04	3.65E-04	4.00E-03		
551556.16	4172898.27	1291202402	810674323.1	41446.65677	49908.45988	37055.54779	30382.35235	12984.07197	47125.29864	23655.84668	65643.03118	11545.70987	9899.27525	7.91688	8.66556	1.09E-02	9.13E-02	4.67E-03	4.91E-02	3.22E-03	2.64E-02	1.97E-02	4.82E-02	2.42E-03	7.97E-02	9.40E-03	3.37E-02	5.71E-03	4.09E-03	3.87E-03		
551553.94	4172899.32	1291339455	5761.87644	56758.87644	18006.32819	10043.50431	12013.11495	23259.16713	28784.74415	10547.7193	25881.4058	28708.52718	11.83855	12.116801	1.88E-02	1.75E-02	5.59E-03	1.03E-01	4.72E-03	1.38E-02	1.75E-02	2.20E-02	3.08E-03	1.23E-02	2.05E-02	1.68E-02	5.77E-03	6.77E-03	4.12481E-03		
551549.71	4172880.16	1291154477	73157.25089	43605.5302	64669.1449	40771.70178	26693.58757	126507.8369	38547.75833	24953.85134	76761.79698	31716.61061	8.7241	8.58165	2.10E-02	8.28E-02	4.58E-03	1.54E-02	3.54E-03	2.14E-02	1.92E-02	2.56E-02	9.32E-03	1.12E-02	2.39E-02	3.67E-03	4.03E-03	3.86101E-03		
551548.47	4172851.75	1284184359.7	74439.68574	43605.5302	64669.1449	40771.70178	26693.58757	132042.8952	33294.89705	32010.63606	83546.89791	36908.66918	9.35484	9.20174	1.97E-02	8.06E-02	4.29E-03	1.47E-02	3.32E-03	2.01E-02	1.80E-02	2.40E-02	8.74E-03	1.05E-02	2.24E-02	3.44E-03	3.78E-03	3.62E-03		
551546.49	4172871.41	1238648007	65818.36848	44683.7945	71805.0939	43692.24612	32298.52679	124067.7893	34292.52218	25487.76596	80434.66862	15091.41833	2872.85128	7.79966	8.47247	1.95E-02	5.03E-03	2.00E-02	1.13E-02	1.96E-02	1.70E-02	2.38E-02	8.24E-03	1.03E-02	2.12E-02	3.24E-03	3.56E-03	3.41E-03		
551772.51	4172855.87	1216504956	666527.53425	45773.51008	78855.73726	44548.49644	20275.97853	121560.6789	30571.1243	26087.79866	82424.88863	16638.70732	2588.95542	7.7599	8.41044	1.98E-02	4.72E-03	1.95E-02	1.16E-02	1.96E-02	1.75E-02	2.34E-02	8.13E-03	1.00E-02	2.11E-02	3.18E-03	3.51E-03	3.39E-03		
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551702.08	4172881.41	1198.6468	63075.58479	49766.24699	108668.9556	53092.21687	12147.67305	102573.2197	168530.8432	27257.57197	86313.821	299261.6819	22926.16097	0.71098	0.71098	1.75E-02	1.15E-01	5.70E-03	9.03E-02	4.18E-03	2.26E-02	1.82E-02	5.48E-02	2.54E-03	1.48E-01	1.66E-02	1.76E-02	4.77E-03	5.30E-03	4.18681E-03		
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551548.22	4172800.97	1217930359	63683.63331	32258.87186	24432.48435	26453.09285	13075.04877	127783.74758	41433.86265	18666.98277	30282.77544	7185.36687	1.02E-02	1.03E-02	1.96E-02	1.03E-01	5.26E-03	1.19E-01	3.39E-03	1.77E-02	1.80E-02	2.91E-02	5.76E-03	1.49E-01	1.68E-02	1.78E-02	4.82E-03	5.36E-03	4.21881E-03		
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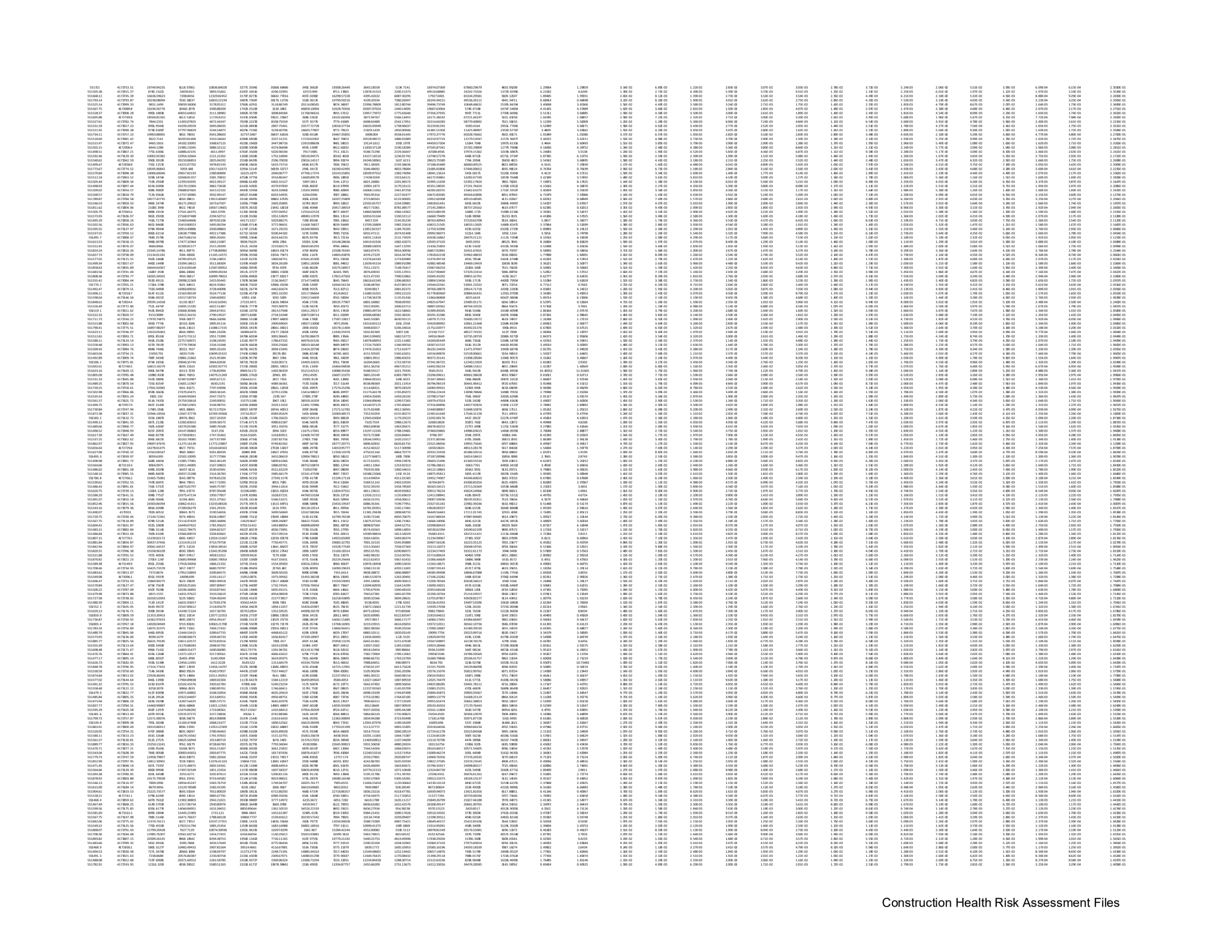
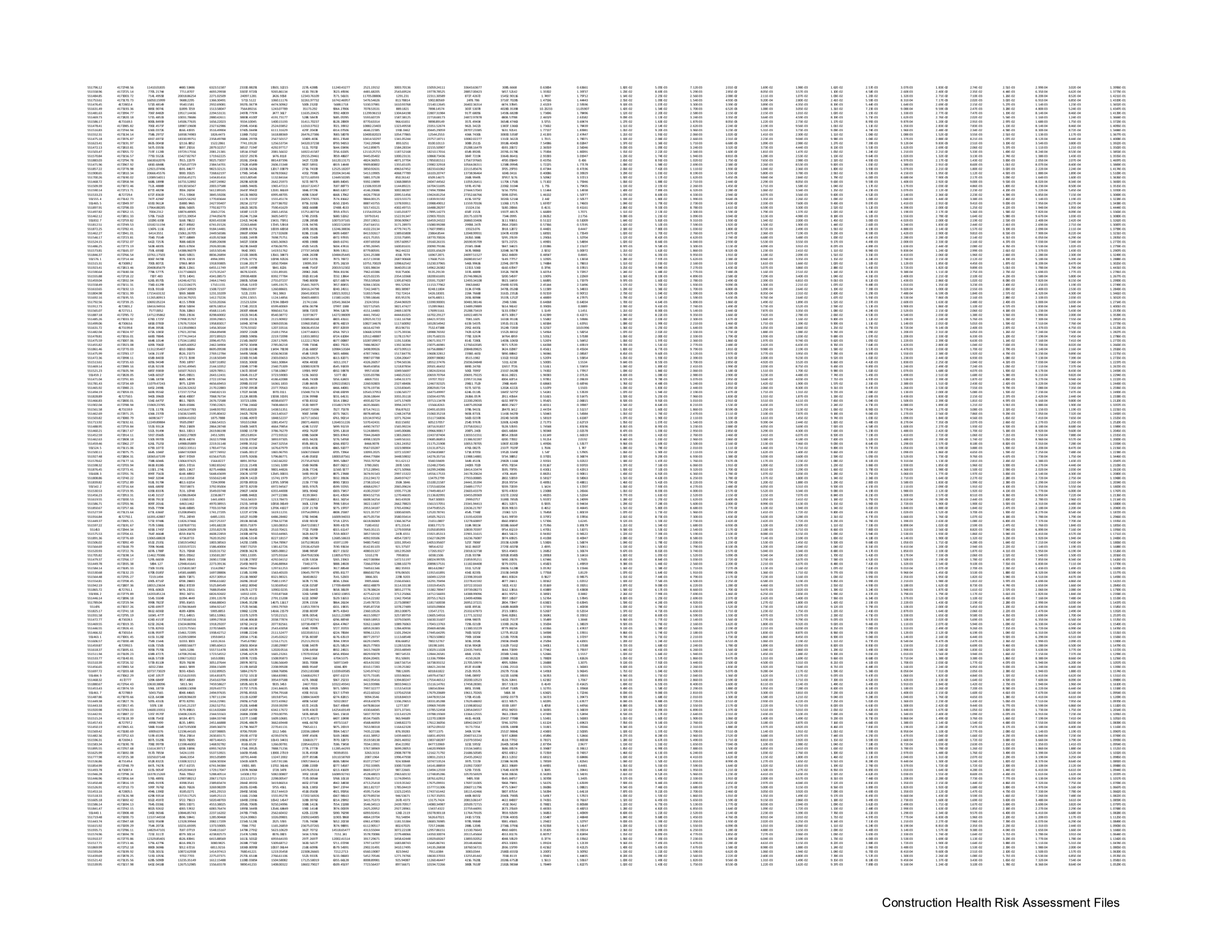
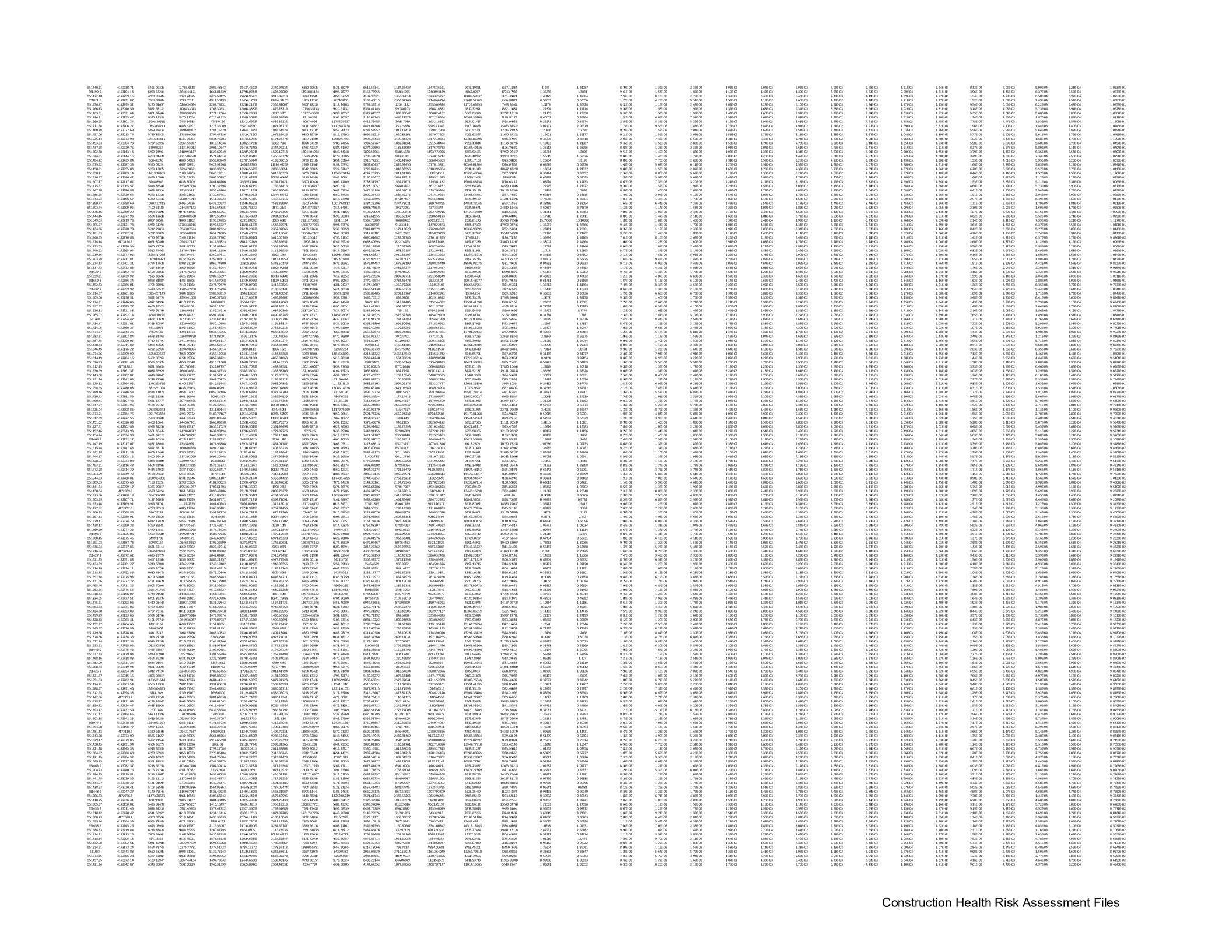

Construction Health Risk Assessment Files



Construction Health Risk Assessment Files


Construction Health Risk Impact

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551541.12	417647.77	5038.5868	4015.6812	4015.4892	14305.8539	64614.8395	2660.6862	4889.39819	2638166453	13898.66339	97707.76327	11735.89795	3614.27653	0.51105	0.5175	8.01E-03	5.09E-03	2.89E-03	1.23E-02	3.88E-03	2.31E-03	7.19E-03	2.60E-03	1.42E-03	1.18E-02	9.55E-03	2.86E-03	2.39E-04	2.45E-04	7.048E-02	
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551401.07	417839.32	3800.2925	4096.2146	16384.4219	16835.1948	21463.3696	3753.98138	3794.08189	3464.01172	9113.5626	11254.2403	9138.96308	4772.45273	0.80083	0.83625	6.08E-03	6.08E-03	1.85E-03	1.99E-02	1.86E-03	3.26E-03	5.40E-03	3.54E-03	9.30E-04	1.37E-02	7.48E-03	3.88E-03	3.75E-04	3.91E-04	6.947E-02	
551494.81	417839.46	4318.4318	4056.7966	2125.45139	17478.5519	49703.4121	1978.5703	4629.00261	2011.4706	6779.7073	20709.0642	9451.19477	9777.87808	0.25364	0.25842	4.79E-03	4.42E-03	1.01E-02	1.71E-03	5.76E-03	2.12E-03	1.25E-03	5.72E-03	1.21E-03	1.37E-03	5.57E-03	2.17E-03	1.37E-04	1.46E-04	7.154E-02	
551447.33	417217.95	3898.335	5883.3896	1792.29836	16494.783	27344.8086	3027.9034	3880.841	2954.02141	984.6201	100616.35965	10992.15418	3925.6128	0.25309	0.25858	2.03E-02	6.89E-03	1.90E-03	5.45E-03	1.15E-03	4.74E-03	1.48E-02	5.38E-03	1.02E-03	7.44E-03	2.55E-03	5.82E-03	1.19E-04	1.19E-04	7.930E-02	
551502.28	417247.93	545.2.2788	3944.7474	16968.8019	58370.8117	902.5804	125162.64716	5557.88115	43503631	6383.52167	57963.88375	2530.6568	14526.91758	2.16984	2.23163	8.70E-03	8.20E-03	1.24E-03	5.03E-03	1.09E-02	8.00E-03	4.44E-03	6.52E-04	1.09E-02	7.04E-03	2.04E-03	1.88E-02	1.02E-03	1.06E-02	7.103E-02	
551640.12	417814.64	4129.9308	3972.1912	9635.49569	16191.3716	2528.39468	5101.0234	2338.27775	1868.20169	1693.70957	93653.05337	3146.41659	11950.15725	3.14E-03	3.21E-03	1.41E-02	1.24E-02	4.01E-03	5.71E-03	1.24E-03	1.91E-03	1.29E-02	3.91E-03	5.71E-03	1.01E-03	1.29E-03	8.96E-03	9.73E-03	1.79E-04	1.79E-04	7.973E-02	
551614.45	417838	698.4918	3922.0515	3329.7534	10616.5585	61864.6916	2431.09798	6391.0961	2344.86621	17617.88454	80135.35487	11753.74356	3233.43857	0.38727	0.39256	1.15E-02	4.42E-03	3.75E-03	9.15E-03	2.09E-03	9.00E-03	2.39E-03	1.80E-03	5.37E-03	2.09E-03	1.80E-03	9.73E-03	9.57E-03	2.25E-03	1.82E-04	1.86E-04	7.070E-02	
552008.54	417275.27	5046.84056	3713.3604	4027.59622	13713.9041	4079.7246	2734.8	3896.88955	2937.43733	1183.72864	94824.44238	9468.38188	3469.91849	0.30358	0.30938	1.46E-02	5.16E-03	1.92E-03	6.52E-03	1.46E-03	7.21E-03	1.08E-02	4.00E-03	1.20E-03	8.02E-03	2.48E-03	6.02E-03	1.48E-03	1.52E-03	6.957E-02	
551478.17	417840.82	4535.1908	3937.0307	1222.93682	84662.62518	12111.10479	9441.57636	4598.13912	4905.44771	699.44183	80668.88038	3408.36138	11330.69535	0.89989	0.93094	7.35E-03	9.28E-03	1.38E-03	7.30E-03	1.05E-03	8.20E-03	6.62E-03	5.03E-03	7.14E-04	9.79E-03	2.84E-03	9.22E-03	4.21E-04	4.32E-04	6.993E-02	
551907.91	417272.6	7306.10838	4083.2384	3771.61016	14172.6402	5701.9145	2555.0178	9207.78872	2605.46113	1570.0278	93530.73788	9356.34015	3541.53564	0.25309	0.25858	2.03E-02	6.89E-03	1.90E-03	5.45E-03	1.15E-03	4.74E-03	1.48E-02	5.38E-03	1.02E-03	7.44E-03	2.55E-03	5.82E-03	1.19E-04	1.19E-04	7.930E-02	
551396.71	417897	3878.4089	6020.7353	1594.16922	15335.68237	3951.513	5088.52477	3865.0975	3650.03263	891.49334	111861.8183	9788.52437	3165.40451	0.23385	0.23907	1.73E-03	7.90E-03	1.50E-03	1.30E-03	5.59E-03	3.46E-03	5.97E-03	1.58E-03	5.77E-03	3.17E-03	9.10E-04	1.38E-02	6.24E-03	6.32E-03	3.64E-04	3.77E-04	6.908E-02	
551410.73	417839.62	3836.3356	4187.7937	1737.8702	16242.6468	11158.4863	3452.16088	4890.4667	3553.27756	1745.51757	96764.46613	9788.41718	3533.88016	0.24386	0.24917	1.95E-02	6.09E-03	2.42E-03	1.38E-02	4.22E-03	2.17E-03	5.97E-03	3.51E-03	1.37E-03	5.57E-03	1.15E-03	7.92E-03	2.99E-03	5.23E-03	1.14E-04	1.15E-04	7.870E-02	
552034.12	417276.03	9038.1711	5034.2078	2915.81819	9064.41398	30384.6572	2988.30896	8643.51171	2991.29886	1636.62943	79387.07107	6408.00038	2435.79144	0.19168	0.19507	4.08E-03	1.96E-03	1.00E-02	2.04E-03	1.24E-03	1.06E-03	2.64E-03	2.59E-03	1.97E-03	3.20E-03	1.66E-03	9.64E-03	5.26E-03	3.28E-03	1.16E-04	1.17E-04	7.424E-02	
551393.35	417289.4	5964.1405	3684.4086	1551.49955	14648.5446	13814.2171	4147.87775	3533.31888	3264.07811	1041.04667	93451.76328	10461.78236	3540.73332	0.25309	0.25858	2.03E-02	6.89E-03	1.90E-03	5.45E-03	1.15E-03	4.74E-03	1.48E-02	5.38E-03	1.02E-03	7.44E-03	2.55E-03	5.82E-03	1.19E-04	1.19E-04	7.930E-02	
551592.85	417239.62	7736.6501	6087.6493	3553.56817	10540.3712	6100.14077	3305.5748	8574.59465	3764.93643	2723.33983	1928.8814	88903.62366	3550.29077	0.27393	0.28764	1.35E-02	5.08E-03	4.00E-03	9.06E-03	2.29E-03	1.70E-03	6.38E-03	2.24E-03	1.82E-03	5.08E-03	2.07E-03	1.29E-03	1.76E-03	1.85E-03	1.29E-04	1.30E-04	7.203E-02	
551.01	417239.62	8240.32588	3947.9454	3197.28695	97795.25921	4077.56089	3078.8	8659.58833	3356.21722	1183.9317	93653.76116	10599.88659	3974.69828	0.24386	0.24917	1.95E-02	6.09E-03	2.42E-03	1.38E-02	4.22E-03	2.17E-03	5.97E-03	3.51E-03	1.37E-03	5.57E-03	1.15E-03	7.92E-03	2.99E-03	5.23E-03	1.14E-04	1.15E-04	7.870E-02	
551520.77	417351.67	6638.5032	6005.8176	2300.42856	14497.7397	38514.8344	3560.10936	4501.7313	2620.88605	1252.51716	96110.07517	11189.68145	3695.08554	0.53035	0.53808	1.38E-03	5.08E-03	2.59E-03	1.25E-02	3.34E-03	2.31E-03	6.69E-03	2.68E-03	1.28E-03	1.17E-02	9.11E-03	2.98E-03	2.48E-04	2.55E-04	6.788E-02	
551407.1	417351.67	4331.3308	6270.4494	1707.80765	14659.0831	11357.3156	3545.8048	6641.13628	4081.70508	1683.24834	95610.05257	8726.66948	3589.69325	0.73883	0.74818	1.97E-03	1.44E-03	7.96E-03	1.54E-03	5.25E-03	2.51E-03	1.44E-03	7.45E-03	1.49E-03	1.32E-03	7.52E-03	1.21E-03	6.42E-03	6.51E-03	6.479E-02	
551404.28	417301.52	4233.2286	6288.8939	1310.47047	11585.0938	14814.8438	5839.8463	4249.8602	48267.8209	749.91615	99554.11402	5309.38718	7013.49085	0.72408	0.7388	8.96E-03	9.29E-03	1.48E-03	9.97E-03	5.07E-03	6.55E-03	6.04E-03	6.96E-03	6.96E-04	8.79E-03	2.58E-03	1.08E-02	4.92E-03	5.09E-03	6.706E-02	
551565.8	417306.13	4129.2971	7344.6995	1693.5434	11585.7149	7118.7197	3292.8048	2483.15132	1574.83403	670.27728	96245.91701	8910.06017	11231.4779	0.74303	0.7691	1.97E-03	1.44E-03	9.41E-03	1.54E-03	5.25E-03	2.51E-03	1.44E-03	7.45E-03	1.49E-03	1.32E-03	7.52E-03	1.21E-03	6.42E-03	6.51E-03	6.479E-02	
551429.19	417301.98	4258.3298	8170.9014	1247.06449	10062.72997	11660.15475	7648.53397	4325.39829	4857.8346	707.00619	89174.6909	4380.83852	9136.35911	0.75327	0.76663	8.28E-03	9.20E-03	1.40E-03	8.68E-03	1.18E-03	6.47E-03	6.25E-03	6.99E-03	4.96E-03	7.22E-03	1.08E-03	3.57E-03	7.46E-03	3.53E-03	3.62E-04	3.82E-04	6.823E-02	
551.01	417301.98	4258.3298	8170.9014	1247.06449	10062.72997	11660.15475	7648.53397	4325.39829	4857.8346	707.00619	89174.6909	4380.83852	9136.35911	0.75327	0.76663	8.28E-03	9.20E-03	1.40E-03	8.68E-03	1.18E-03	6.47E-03	6.25E-03	6.99E-03	4.96E-03	7.22E-03	1.08E-03	3.57E-03	7.46E-03	3.53E-03	3.62E-04	3.82E-04	6.823E-02	
551440.14	417827.72	3706.5437	8251.4881	1602.86132	15580.7032	2137.4858	3535.0345	3991.9321	3925.88212	615.69663	5085.75893	2286.35938	16497.05488	0.8991	0.92707	1.39E-03	7.28E-03	9.68E-03	7.39E-03	1.23E-03	4.42E-03	8.09E-03	5.08E-03	8.00E-04	4.03E-03	6.49E-03	6.17E-03	1.86E-03	1.81E-03	3.19E-03	3.45E-03	7.474E-02	
551.01	417839.62	3836.3356	4187.7937	1737.8702	16242.6468	11158.4863	3452.16088	4890.4667	3553.27756	1745.51757	96764.46613	9788.41718	3533.88016	0.24386	0.24917	1.95E-02	6.09E-03	2.42E-03	1.38E-02	4.22E-03	2.17E-03	5.97E-03	3.51E-03	1.37E-03	5.57E-03	1.15E-03	7.92E-03	2.99E-03	5.23E-03	1.14E-04	1.15E-04	7.870E-02	
551401.05	417303.57	4199.7569	8307.4494	1243.66211	10062.72997	11660.15475	7648.53397	4325.39829	4857.8346	707.00619	89174.6909	4380.83852	9136.35911	0.75327	0.76663	8.28E-03	9.20E-03	1.40E-03	8.68E-03	1.18E-03	6.47E-03	6.25E-03	6.99E-03	4.96E-03	7.22E-03	1.08E-03	3.57E-03	7.46E-03	3.53E-03	3.62E-04	3.82E-04	6.823E-02	
552023.36	417298.46	6075.7097	8776.6542	3006.54568	92916.00029	3244.72228	2707.0728	8842.69733	28994.6711	1669.95807	80391.68328	6855.60695	9777.12722	0.25076	0.25654	1.46E-02	5.49E-03	1.43E-03	5.20E-03	1.24E-03	4.03E-03	1.09E-02	3.91E-03	1.06E-03	5.58E-03	1.07E-03	5.88E-03	1.18E-03	1.19E-03	7.277E-02	
551558.05	417264.6	7446.7218	9401.7839	3531.0861	88021.1742	43638.0238	2234.9728	7846.12918	20951.799	1844.93193	82923.68874	6710.42149	11585.77912	3996.54861	4.35327	1.46E-02	5.49E-03	1.43E-03	5.20E-03	1.24E-03	4.03E-03	1.09E-02	3.91E-03	1.06E-03	5.53E-03	1.02E-03	1.08E-02	8.15E-03	9.43E-03	2.46E-03	1.67E-03	1.81E-03	6.958E-02	
551836.55	417836.55	5138.0938	4015.4857	3327.64818	9938.7446	57183.0048	2438.2035	3910.8158	2766.9113	1824.32205	85315.5266	7772.9204	3286.19064	0.2636	0.2695	1.28E-02	5.23E-03	3.75E-03	8.57E-03	2.24E-03	1.60E-03	6.26E-03	2.11E-03	1.72E-03	4.80E-03	1.96E-03	1.22E-03	1.66E-03	1.75E-03	1.22E-04	1.23E-04	7.141E-02	
552006.05	417301.98	4258.3298	8170.9014	1247.06449	10062.72997	11660.15475	7648.53397	4325.39829	4857.8346	707.00619	89174.6909	4380.83852	9136.35911	0.75327	0.76663	8.28E-03	9.20E-03	1.40E-03	8.68E-03	1.18E-03	6.47E-03	6.25E-03	6.99E-03	4.96E-03	7.22E-03	1.08E-03	3.57E-03	7.46E-03	3.53E-03	3.62E-04	3.82E-04	6.823E-02	
551631.15	417358.18	5791.4218	8485.2831	1081.61011	52085.0098	985.38277	12254.95809	3860.73696	3955.69232	629.65101	51904.96704	2334.62436	16367.8902	0.47917	0.4933	9.26E-03	9.20E-03	1.12E-03	6.40E-03	8.12E-04	1.06E-02	8.46E-03	4.04E-03	6.43E-04	6.30E-03	1.88E-03	1.17E-02	2.10E-03	2.23E-03	7.107E-02	
551435.11	417308.72	4129.6107	8107.9	1627.4973	11201.1089	7118.4	3292.8048	8505.58351	3764.28272	1824.32205	85315.5266	7772.9204	3286.19064	0.2636	0.2695	1.28E-02	5.23E-03	3.75E-03	8.57E-03	2.24E-03	1.60E-03	6.26E-03	2.11E-03	1.72E-03	4.80E-03	1.96E-03	1.22E-03	1.66E-03	1.75E-03	1.22E-04	1.23E-04	7.141E-02	
551393.41	417352.57	3728.2433	9888.1815	1567.97421	15077.2103	20018.8937	3732.38786	3717.6421	3406.82105	873.78161	93053.80801	3732.38786	9717.6421	0.25309	0.25858	2.03E-02	6.89E-03	1.90E-03	5.45E-03	1.15E-03	4.74E-03	1.48E-02	5.38E-03	1.02E-03	7.44E-03	2.55E-03	5.82E-03	1.19E-04	1.19E-04	7.930E-02	
551397.83	417316.64	4132.6348	9888.1815	1567.97421	15077.2103	20018.8937	3732.38786	3717.6421	3406.82105	873.78161	93053.80801	3732.38786	9717.6421	0.25309	0.25858	2.03E-02	6.89E-03	1.90E-03	5.45E-03	1.15E-03	4.74E-03	1.48E-02	5.38E-03	1.02E-03	7.44E-03	2.55E-03	5.82E-03	1.19E-04	1.19E-04	7.930E-02	
551508.61	417354.58	6440.3413	9406.7084	2168.53852	14516.9598	35545.5502	3640.4538	4607.3313	26107.7459	1184.77857	95467.9723	9729.03977	3833.39954	0.49109	0.50153	1.09E-02	6.09E-03	1.85E-03	1.99E-02	1.86E-03	3.26E-03	5.40E-03	3.54E-03	9.30E-04	1.37E-02	7.48E-03	3.88E-03	3.75E-04	3.91E-04	6.947E-02	
551547.22	417329.58	6049.4705	7658.1195	1116.97518	65306.40787	10865.5703	4869.9433	4521.3801	6485.31414	63883.83115	2757.03218	15078.3955	11294.80198	0.27457	0.28016	1.29E-02	5.23E-03	3.75E-03	8.57E-03	2.24E-03	1.60E-03	6.26E-03	2.11E-03	1.72E-03	4.80E-03	1.96E-03	1.22E-03	1.66E-03	1.75E-03	1.22E-04	1.23E-04	7.141E-02	
551400.85	417318.2	3691.3727	9406.7084	2168.53852	14516.9598	35545.5502	3640.4538	4607.3313	26107.7459	1184.77857	95467.9723	9729.03977	3833.39954	0.49109	0.50153	1.09E-02	6.09E-03	1.85E-03	1.99E-02	1.86E-03	3.26E-03	5.40E-03	3.54E-03	9.30E-04	1.37E-02	7.48E-03	3.88E-03	3.75E-04	3.91E-04	6.947E-02	
551701.44	417366.4	3218.1846	9374.5824	3363.59996	8835.38303	5691.77334	2040.05098	8174.79877	18975.90032	1778.7385	5991.1383	17445.54519	2772.52291	0.41066	0.43159	1.36E-02	5.58E-03	3.79E-03	7.62E-03	4.04E-03	1.77E-03	1.98E-03	7.27E-03	9.56E-04	1.78E-03	7.27E-03	9.56E-03	2.35E-03	1.92E-04	2.00E-04	7.008E-02	
551437.52	417374.36	5638.7078	9395.1859	1778.49702	8844.1485	5408.18097	2040.05098	8174.79877	18975.90032	1778.7385	5991.1383	11046.75842	3077.78352	0.41066	0.43159	1.36E-02	5.58E-03	3.79E-03	7.62E-03	4.04E-03	1.77E-03	1.98E-03	7.27E-03	9.56E-04	1.78E-03	7.27E-03	9.56E-03	2.35E-03	1.92E-04	2.00E-04	7.008E-02	
551500.85	417319.48	6605.7379	8817.1374	1164.20792	74653.66398	11183.5457	9611.5834	9459.19682	6689.27458	7254.68825	3008.47774	11498.99046	3916.9617	0.8988	0.92707	1.39E-03	7.28E-03	9.68E-03	7.39E-03	1.23E-03	4.42E-03	8.09E-03	5.08E-03	8.00E-04	4.03E-03	6.49E-03	6.17E-03	1.86E-03	1.81E-03	3.19E-03	3.45E-03	7.474E-02	
551601.42	417354.54	6866.4888	9406.7084	2168.53852	14516.9598	35545.5502	3640.4538	4607.3313	26107.7459	1184.77857	95467.9723	9729.03977	3833.39954	0.49109	0.50153	1.09E-02	6.09E-03	1.85E-03	1.99E-02	1.86E-03	3.26E-03	5.40E-03	3.54E-03	9.30E-04	1.37E-02	7.48E-03	3.88E-03	3.75E-04	3.91E-04	6.947E-02	
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551.01	417839.62	3836.3356	4187.7937	1737.8702	16242.6468	11158.4863	3452.16088	4890.4667	3553.27756	1745.51757	96764.46613	9788.41718	3533.88016	0.24386	0.24917	1.95E-02	6.09E-03	2.42E-03	1.38E-02	4.22E-03	2.17E-03	5.97E-03	3.51E-03	1.37E-03	5.57E-03	1.15E-03	7.92E-03	2.99E-03	5.23E-03	1.14E-04	1.15E-04	7.870E-02	
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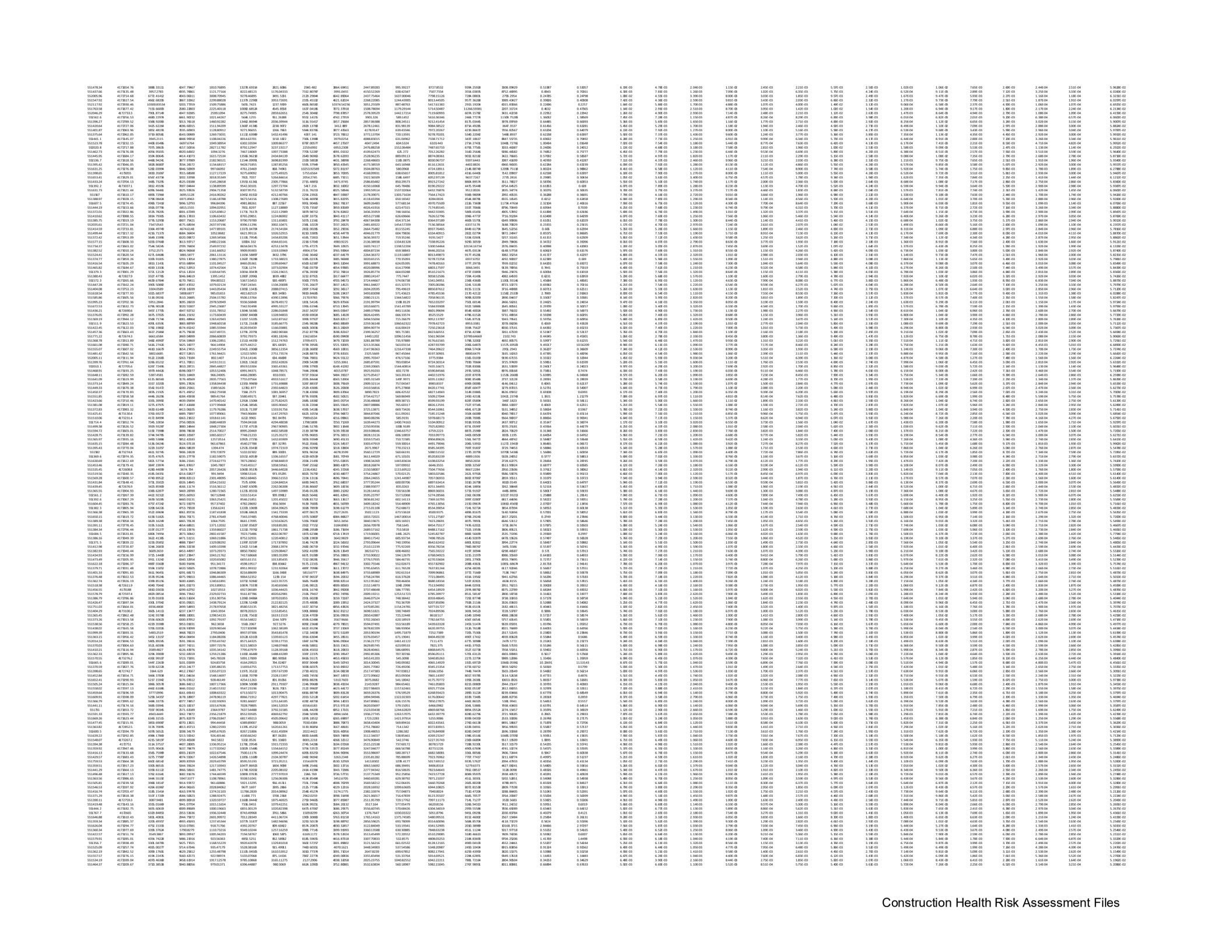
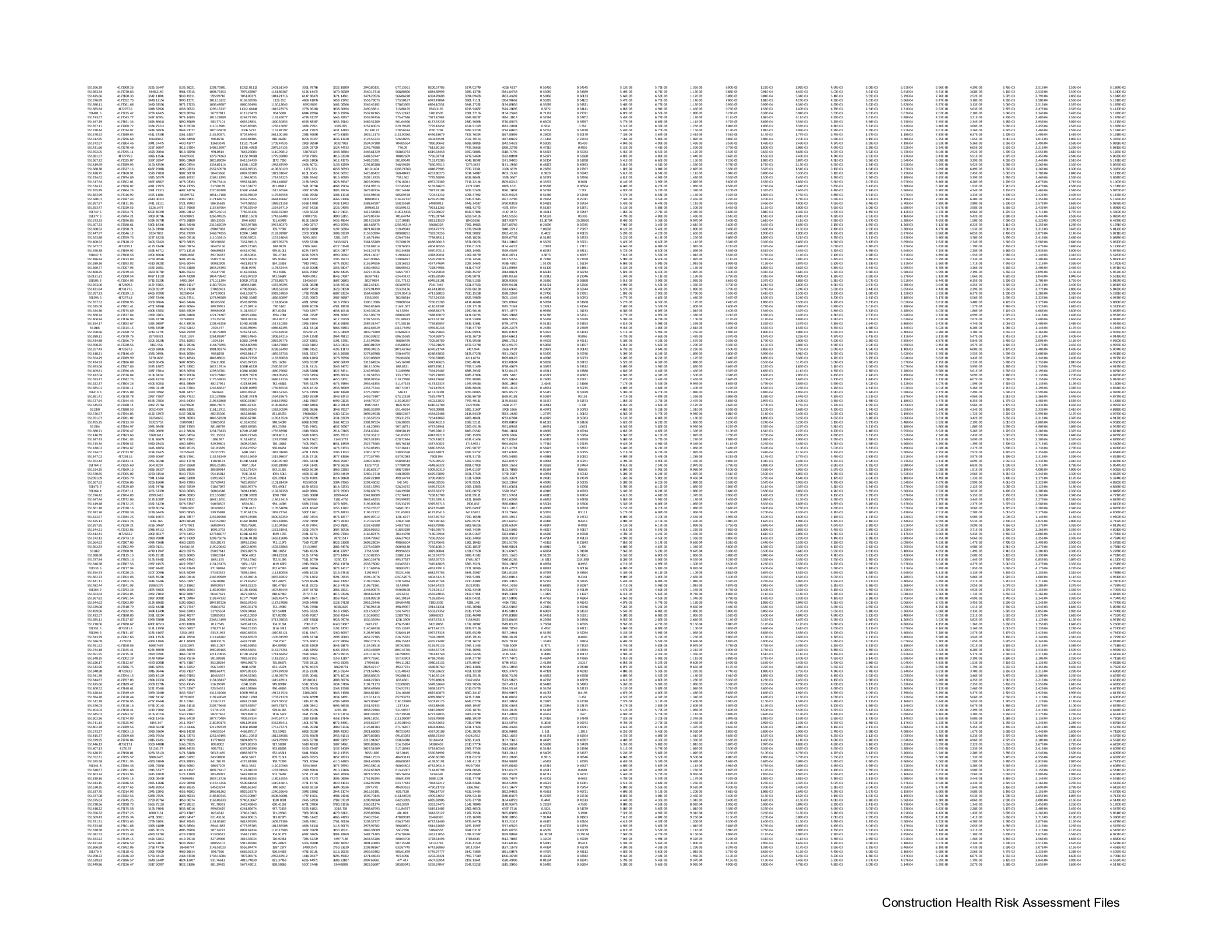

Construction Health Risk Assessment Files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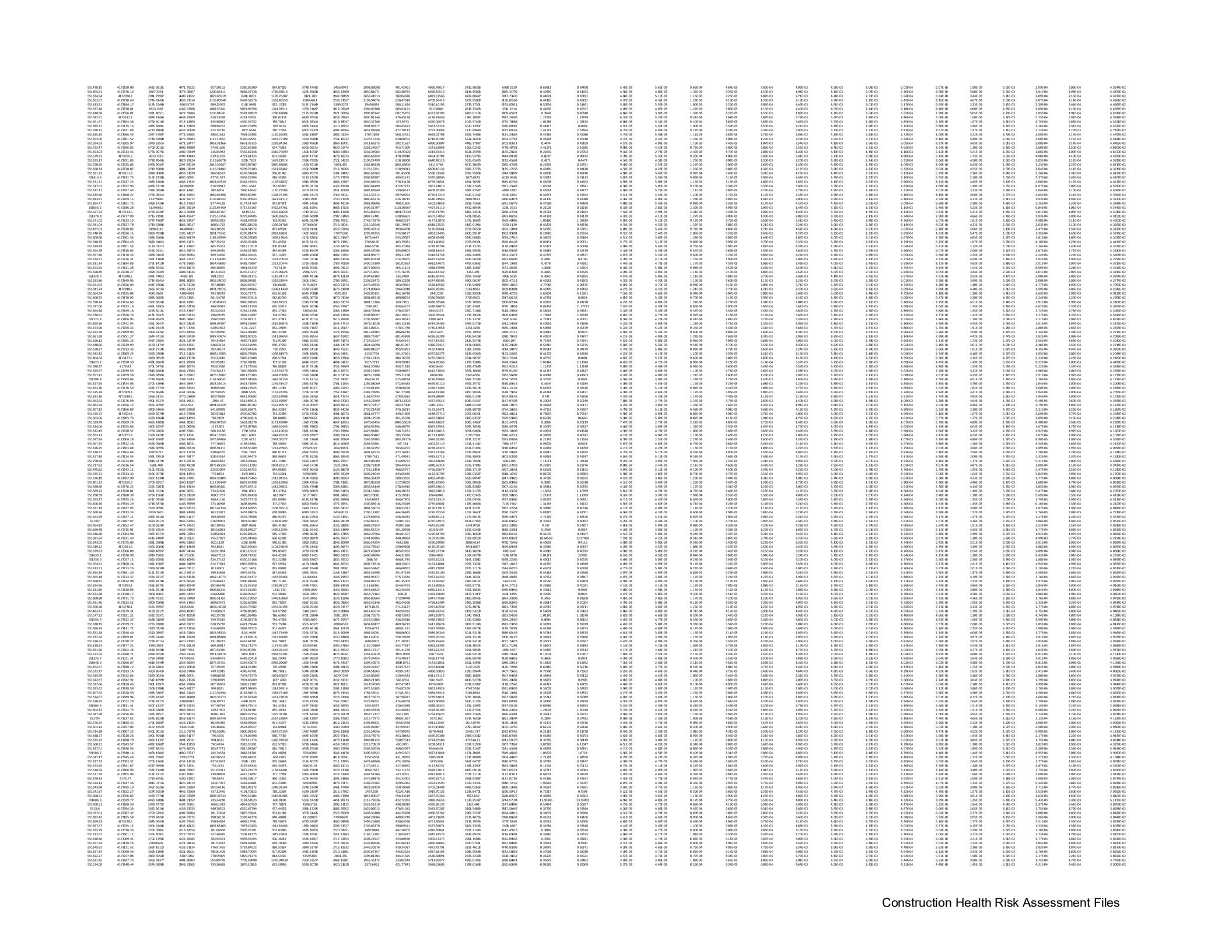
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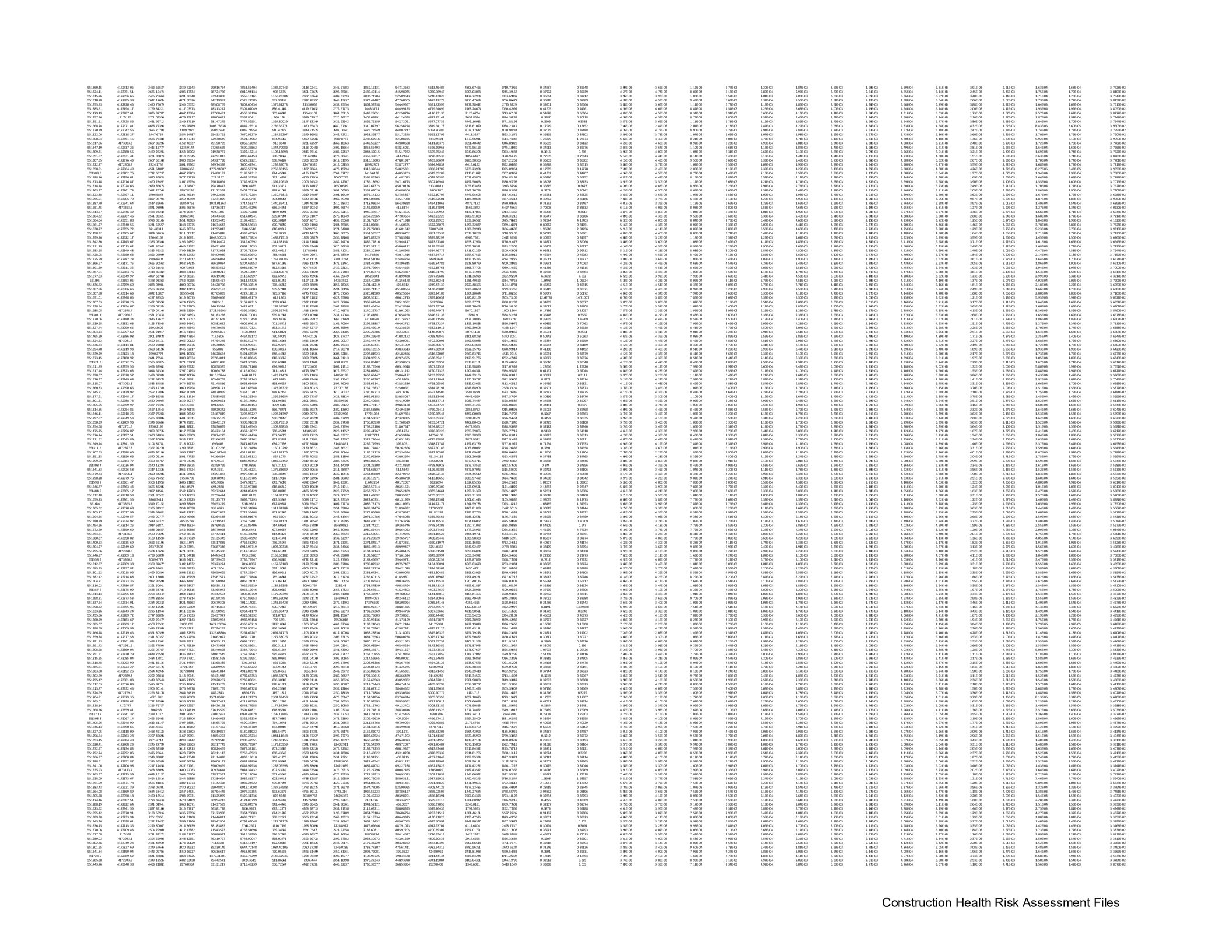
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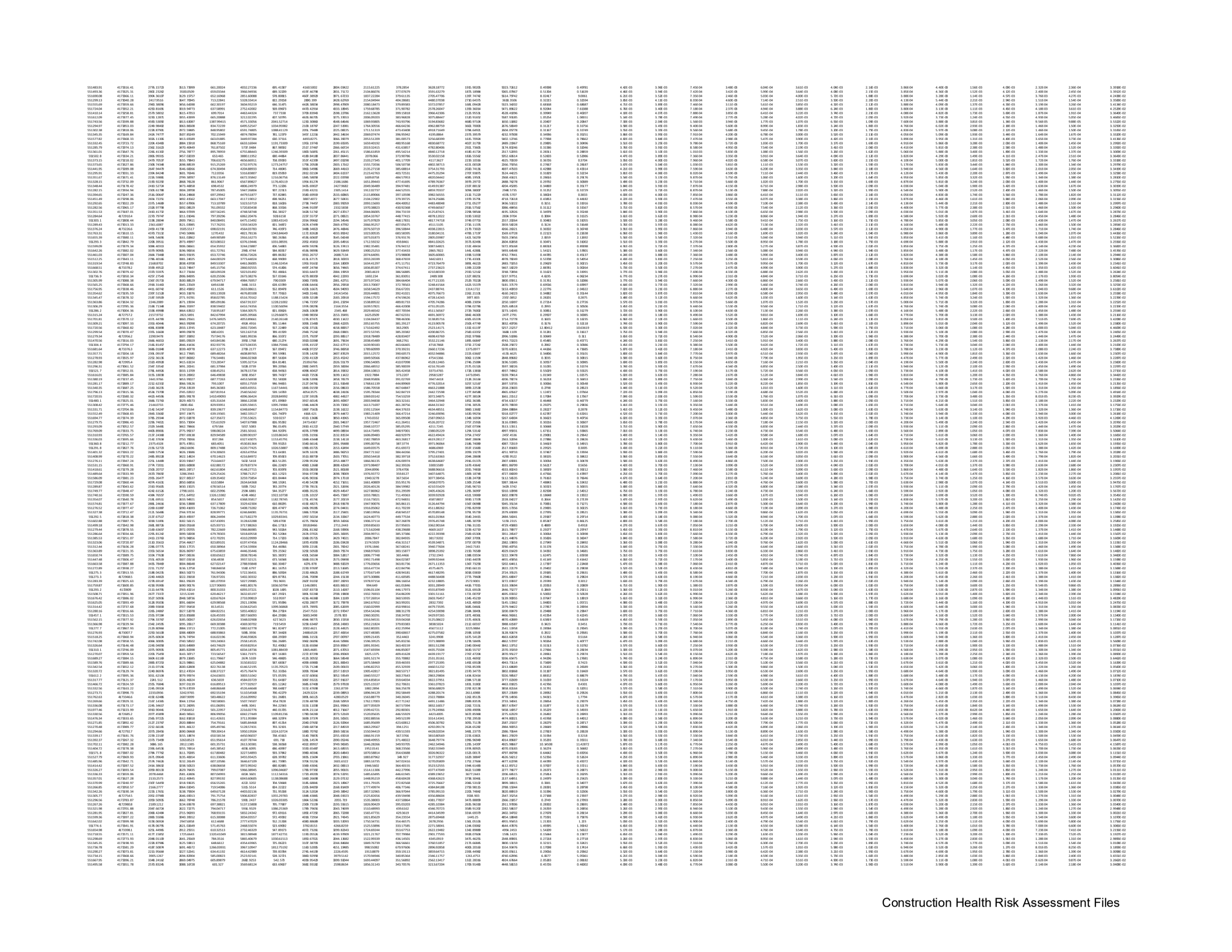
Construction Health Risk Assessment Files

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551287.67	417884.23	2188.1448	3811.48223	650.68099	48830.99167	750.4086	2928.7928	2174.85485	18153.50975	3413.72982	37417.61389	2436.78398	3424.76913	0.27727	0.28038	3.46E-03	3.09E-03	7.05E-04	3.91E-04	6.37E-04	2.45E-03	3.35E-03	1.93E-03	3.61E-04	4.59E-03	1.92E-03	2.80E-03	1.36E-04	1.40E-04	1.03E-02
551069.27	417824.29	3761.1686	3677.89302	685.62459	21543.80865	977.1405	4291.03497	3858.9921	15461.00409	2893.59372	21171.1503	11061.0009	5197.30568	0.31985	0.32511	5.99E-03	4.03E-03	5.47E-04	1.86E-04	3.71E-04	3.60E-03	5.36E-03	1.58E-03	2.90E-04	2.57E-03	8.38E-04	4.26E-03	1.56E-04	1.55E-04	1.03845E-02
551659.88	417892.44	2668.2859	3977.9469	637.94436	33574.61423	1006.34776	3762.57923	3068.23854	17908.17615	3516.68318	33163.4888	1700.87295	4621.80615	0.49655	0.50372	4.46E-03	3.46E-03	6.84E-04	2.72E-04	5.08E-04	3.46E-03	4.39E-03	1.89E-03	3.56E-04	3.85E-03	1.51E-03	3.98E-03	2.32E-04	2.36E-04	1.04282E-02
592310.8	417862.87	2136.03727	3997.7596	693.78697	50887.7763	793.7914	2148.0508	3129.23219	17411.9171	3515.6569	42143099.51	3635.05798	2757.77809	0.27501	0.27855	3.38E-03	3.38E-03	7.81E-04	3.95E-04	6.29E-04	2.72E-03	3.67E-03	1.92E-03	3.54E-04	3.74E-03	1.58E-03	3.37E-03	1.57E-04	1.60E-04	1.08596E-02
551304.83	417935.33	2040.56658	3672.6522	772.45504	57015.85201	1026.7037	1908.0702	3066.6058	14299.93678	4384.44153	41515.76586	3446.19737	2235.11005	0.26058	0.26568	3.16E-03	2.90E-03	8.68E-04	4.92E-04	9.03E-04	1.53E-03	2.90E-03	1.51E-03	5.62E-04	5.13E-03	2.80E-03	1.80E-03	1.22E-04	1.26E-04	1.00E-02
592308.4	417871.28	2040.9342	3733.0847	735.74277	55333.35397	892.8429	1932.92648	2948.98272	15886.66123	4112024	43191.17705	3027.76138	2640.25033	0.26583	0.27042	3.26E-03	3.00E-03	8.77E-04	4.97E-04	9.14E-04	1.56E-03	2.89E-03	1.52E-03	5.68E-04	5.16E-03	2.84E-03	1.86E-03	1.23E-04	1.26E-04	1.00E-02
551203.62	417894.61	2132.77673	3711.85964	524.06826	30116.5234	816.81382	3327.7309	3124.8779	17725.4696	3466.66733	40237.60287	4008.26553	2738.81139	0.17904	0.18017	3.38E-03	3.09E-03	7.78E-04	4.12E-04	6.50E-04	2.02E-03	3.31E-03	1.92E-03	3.59E-04	2.82E-03	2.23E-03	2.20E-03	1.30E-04	1.33E-04	9.94786E-03
551306328	417837.41	4035.05388	3728.19746	673.88895	21.78.8017	406.36369	3908.2441	8136.93824	15667.85557	2771.73421	21480.88477	10003.74239	4023.54807	0.25394	0.25822	4.46E-03	3.03E-03	5.54E-04	1.94E-04	3.99E-03	5.96E-04	1.56E-03	2.68E-03	2.84E-04	8.14E-04	3.98E-03	2.20E-04	1.20E-04	1.10097E-02
551384	417900.54	2036.1948	3599.46885	768.74107	5808.7154	761.9083	1828.35048	2810.9764	14897.12699	4255.599	43045.51712	3468.59198	3557.7064	0.26583	0.27133	3.26E-03	2.97E-03	8.77E-04	4.97E-04	9.14E-04	1.56E-03	2.89E-03	1.52E-03	5.68E-04	5.16E-03	2.84E-03	1.86E-03	1.23E-04	1.26E-04	1.00E-02
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551472.63	417842.34	2475.8849	3913.23002	589.54957	35669.68913	627.11166	3508.0133	3098.4435	18411.9584	3368.8966	31774.66259	1875.4128	4621.80615	0.49655	0.50372	4.46E-03	3.46E-03	6.84E-04	2.72E-04	5.08E-04	3.46E-03	4.39E-03	1.89E-03	3.56E-04	3.85E-03	1.51E-03	3.98E-03	2.32E-04	2.36E-04	1.04282E-02
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592314.4	417841.39	2216.9948	3795.9955	5567.74041	31.97.7	1016.4469	2713.94874	2113.94874	18.64.2	3481.55703	37.93.76918	1.56E+00	4.16E+00	0.18387	0.1853	4.81E-03	3.45E-03	6.98E-04	2.66E-04	5.19E-04	3.09E-03	3.71E-03	1.80E-03	3.57E-04	4.22E-03	1.67E-03	3.88E-03	1.25E-04	1.28E-04	1.03E-02
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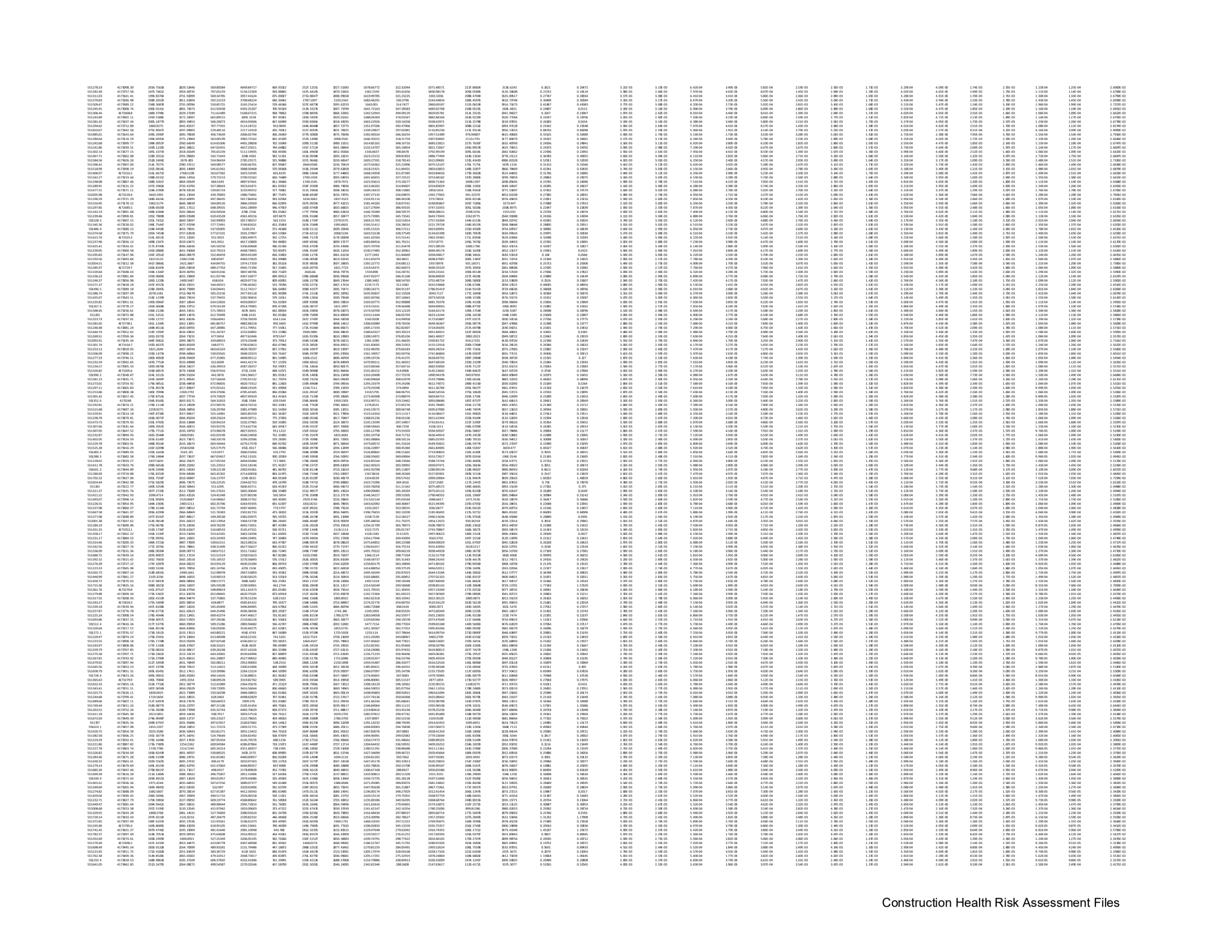
551312.63	417859.92	2191.0143	3711.85964	524.06826	30116.5234	816.81382	3327.7309	3124.8779	17725.4696	3466.66733	40237.60287	4008.26553	2738.81139	0.17904	0.18017	3.38E-03	3.09E-03	7.78E-04	4.12E-04	6.50E-04	2.02E-03	3.31E-03	1.92E-03	3.59E-04	2.82E-03	2.23E-03	2.20E-03	1.30E-04	1.33E-04	9.94786E-03
551357.71	417833.27	2156.0646	3667.8238	664.02109	40316.56801	684.65814	2940.2324	2168.88549	17644.48467	3533.93195	35115.03843	1926.48145	3144.65	0.25191	0.25463	3.34E-03	3.03E-03	7.08E-04	3.91E-04	6.37E-04	2.45E-03	3.35E-03	1.93E-03	3.61E-04	4.37E-03	1.95E-03	2.78E-03	1.36E-04	1.40E-04	1.03E-02
551760.4	417884.64	3859.4006	3811.9237	5918.20784	47910.03184	1016


Construction Health Risk Assessment Files

551654.06	417860.96	2586.00819	2242.0662	497.57697	22112.9141	464.1408	2590.9765	3019.13653	1325.866	28758817	2108.0171	1134.7018	3575.48257	0.58933	0.53659	4.1E-03	2.53E-03	5.60E-04	1.01E-04	3.79E-03	2.53E-03	3.70E-03	1.39E-03	2.94E-04	2.56E-05	9.07E-04	2.58E-03	2.76E-04	2.73E-04	2.76E-04	2.73E-04	2.437E-02
551220.117	417877.45	1702.84126	2189.2495	589.96616	43309.75292	71.02819	1568.95497	1703.03831	1266.78249	33059709	33304.63761	2316.46572	8992.54893	0.20317	0.20837	2.7E-03	2.43E-03	6.64E-04	3.63E-05	6.17E-04	1.34E-03	2.45E-03	1.29E-03	3.38E-04	4.04E-05	1.88E-03	1.62E-03	9.63E-05	9.88E-05	9.63E-05	9.88E-05	2.323E-02
551214.23	417860.41	1708.16787	2191.58035	583.60302	41302.2948	691.80818	1568.7019	1705.14679	1285.79501	32717268	33113.37604	2248.03918	8934.7932	0.20866	0.2093	2.7E-03	2.58E-03	6.57E-04	3.56E-05	6.09E-04	1.36E-03	2.46E-03	1.31E-03	3.35E-04	4.02E-05	1.83E-03	1.66E-03	9.68E-05	9.92E-05	9.68E-05	9.92E-05	2.324E-02
551628.04	417864.74	2431.43828	3272.60862	499.10221	23110.3525	400.02351	2901.52266	2664.37201	1351.71128	28716462	21793.5486	1142.53536	3564.68152	0.48521	0.47079	3.8E-03	2.58E-03	5.62E-04	1.99E-04	3.99E-03	2.52E-03	3.35E-03	1.38E-03	2.94E-04	2.65E-05	9.30E-04	2.88E-03	2.27E-04	2.27E-04	2.40446E-02	
551392.04	417837.34	1938.36656	2693.68548	504.13362	3086.4982	566.93594	2468.35604	2031.96584	1447.19482	28716662	26564.60171	1599.7288	8019.28543	0.37762	0.37876	3.6E-03	2.58E-03	5.68E-04	2.64E-04	4.75E-04	2.14E-03	2.98E-03	1.34E-03	2.94E-04	2.22E-05	9.30E-04	2.46E-03	1.30E-04	1.32E-04	3.31726E-02		
551667.07	417859.07	2646.19182	3706.63911	493.37431	21754.66053	469.71367	2898.05436	3578.43532	1301.91153	28545529	20616.65185	1098.73298	3548.9573	0.64685	0.63939	4.3E-03	2.49E-03	5.56E-04	1.88E-04	3.90E-04	2.51E-03	3.96E-03	1.33E-03	2.91E-04	2.50E-05	8.94E-04	2.88E-03	3.03E-04	2.98E-04	2.63576E-02		
551334.21	417855.03	1786.17478	2554.08095	512.94289	3987.32424	580.38306	2338.40708	2077.24629	1402.04179	29542484	2841.26896	1736.17073	8535.33603	0.2559	0.25772	2.8E-03	2.65E-03	5.89E-04	1.41E-04	2.52E-04	1.41E-03	3.02E-03	1.41E-03	3.02E-04	3.37E-05	1.37E-03	2.36E-03	1.24E-04	1.26E-04	3.32382E-02		
551356.69	417884.01	1832.82247	2882.83614	521.21457	3206.0382	572.92484	2347.92388	2644.83663	1429.83332	29546772	27715.12512	1678.20335	8576.69156	0.26408	0.26578	2.9E-03	2.68E-03	5.87E-04	2.76E-04	4.97E-04	2.66E-03	2.46E-03	1.46E-03	3.02E-04	3.37E-05	1.37E-03	2.36E-03	1.24E-04	1.26E-04	3.32382E-02		
551248.06	417875.64	1637.05638	2411.98696	4308.5618	351.73204	1475.73938	1669.94714	1384.57489	3467435	33068.83276	2526.66348	1072.99853	3193.08	0.10304	0.10367	2.6E-03	2.34E-03	6.80E-04	3.71E-04	6.61E-04	1.28E-03	4.45E-03	1.71E-03	3.48E-04	3.97E-05	2.06E-03	1.58E-03	9.49E-05	9.75E-05	9.49E-05	9.75E-05	2.305E-02	
551234.09	417809.28	1676.0252	2375.83522	603.63812	42063.1509	760.83186	1468.99968	1674.49315	1199.79647	33715019	32921.91503	2497.43052	8886.03672	0.20251	0.20503	2.6E-03	2.34E-03	6.80E-04	3.71E-04	6.61E-04	1.29E-03	2.41E-03	1.22E-03	3.48E-04	4.00E-05	2.01E-03	1.59E-03	9.49E-05	9.74E-05	2.305E-02		
551244.62	417866.64	2811.79851	4972.65847	1047.03609	7146.03104	1067.0566	2597.3866	3359.11264	2477.8222	33715042	3356.48017	1859.12364	8946.44839	0.35707	0.35923	4.6E-03	2.70E-03	5.91E-04	2.76E-04	4.98E-04	2.66E-03	3.46E-03	1.46E-03	3.03E-04	3.38E-05	1.38E-03	2.36E-03	1.24E-04	1.26E-04	3.32382E-02		
551206.17	417770.49	1655.89129	2328.83641	615.70288	45012.39339	818.20483	1457.54248	1653.53209	1177.61563	34178543	32355.5256	2491.08743	8851.29848	0.19586	0.19821	2.6E-03	2.28E-03	6.93E-04	3.78E-04	6.74E-04	1.20E-03	4.53E-03	1.74E-03	3.54E-04	4.04E-05	2.09E-03	1.50E-03	9.66E-05	9.41E-05	2.295E-02		
551733.28	417831.52	2048.54128	2977.53701	475.77625	20574.00104	468.19809	2797.51608	3160.63734	1213.98697	27612856	19003.01166	1091.11175	3606.63646	1.23485	1.08129	4.9E-03	2.34E-03	5.56E-04	1.77E-04	3.80E-04	2.59E-03	4.42E-03	1.24E-03	2.82E-04	2.31E-05	8.55E-04	2.77E-03	5.79E-04	5.19E-04	2.50882E-02		
551487.5	417841.12	2048.92037	3000.8061	487.68543	4227.65633	691.7081	2591.9928	3045.46831	1162.20351	33559795	3355.33757	2528.66608	8947.19828	0.19379	0.19611	2.6E-03	2.28E-03	6.94E-04	3.81E-04	6.84E-04	1.26E-03	4.57E-03	1.76E-03	3.57E-04	4.08E-05	2.11E-03	1.51E-03	9.73E-05	9.48E-05	2.312E-02		
551295.31	417807.68	3094.66606	4693.1405	468.315	19921.1699	459.71999	2649.38977	3151.18655	1163.08238	26723885	18021.98672	1156.11537	3579.97873	1.61E-03	2.83E-03	4.2E-03	2.58E-03	5.70E-04	1.72E-04	3.69E-04	2.24E-03	3.79E-03	1.32E-03	2.90E-04	2.63E-05	9.47E-04	2.67E-03	4.76E-04	4.11E-04	2.47481E-02		
551284.85	417913.31	3167.69193	4699.5398	606.7249	42225.0136	1062.9385	3148.1418	3495.3852	1156.11537	28758817	19035.9852	1153.29708	3579.97873	1.61E-03	2.83E-03	4.2E-03	2.58E-03	5.70E-04	1.72E-04	3.69E-04	2.24E-03	3.79E-03	1.32E-03	2.90E-04	2.63E-05	9.47E-04	2.67E-03	4.76E-04	4.11E-04	2.47481E-02		
551339.92	417869.66	1778.66916	2319.09895	515.35538	3231.5255	575.58762	2273.59189	1791.36505	1384.87338	29176927	27685875	1686.56988	2784.30982	0.25388	0.25233	2.8E-03	2.63E-03	5.80E-04	2.77E-04	5.00E-04	1.97E-03	2.59E-03	1.43E-03	2.98E-04	3.36E-05	1.37E-03	2.27E-03	1.19E-04	1.21E-04	2.27976E-02		
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551795.55	417895.58	3106.3324	4558.7274	663.45844	19950.0476	623.98359	2703.84161	3164.7511	1187.31616	26291961	18589.89438	1138.8843	3579.97873	1.61E-03	2.83E-03	4.2E-03	2.58E-03	5.70E-04	1.72E-04	3.69E-04	2.24E-03	3.79E-03	1.32E-03	2.90E-04	2.63E-05	9.47E-04	2.67E-03	4.76E-04	4.11E-04	2.47481E-02		
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551254.04	417774.91	1697.90799	2357.83016	601.04256	41835.8124	760.39303	1446.35488	1635.74096	1153.01994	33455362	31840.03558	2306.80009	1961.00833	0.23112	0.23284	2.6E-03	2.34E-03	6.80E-04	3.71E-04	6.61E-04	1.27E-03	2.39E-03	1.20E-03	3.47E-04	3.96E-05	2.04E-03	1.51E-03	9.24E-05	9.49E-05	2.27456E-02		
551389	417877.42	1727.40508	2554.03882	607.6715	41906.93926	762.67266	2376.37237	2243.5317	1349.74769	29197899	22412.25314	1168.33819	3564.68152	0.48521	0.47079	3.8E-03	2.58E-03	5.62E-04	1.99E-04	3.99E-03	2.52E-03	3.35E-03	1.38E-03	2.94E-04	2.65E-05	9.30E-04	2.88E-03	2.27E-04	2.27E-04	2.40446E-02		
551724.06	417844.69	2036.45375	3046.44173	469.73962	20333.51262	462.6001	2698.50598	3023.33697	1197.042	27523285	19817.7697	1038.51368	3193.43657	1.01598	0.92004	4.9E-03	2.31E-03	5.29E-04	1.75E-04	3.75E-04	2.34E-03	4.31E-03	1.22E-03	3.27E-04	3.84E-05	1.86E-03	1.51E-03	9.12E-05	9.36E-05	2.22122E-02		
551313.62	417876.43	1739.51394	2355.0855	586.44602	39913.3257	691.4084	1459.63739	1654.45853	1156.90419	33455359	31840.03558	2308.97528	1961.00833	0.23112	0.23284	2.6E-03	2.34E-03	6.80E-04	3.71E-04	6.61E-04	1.27E-03	2.39E-03	1.20E-03	3.47E-04	3.96E-05	2.04E-03	1.51E-03	9.24E-05	9.49E-05	2.27456E-02		
551746.42	417826.61	2041.85765	3007.72032	663.31966	20004.04131	455.94705	2652.08032	3117.73033	1172.62668	288 038	1841.77815	1026.92218	3279.10389	0.17084	0.17084	2.7E-03	2.38E-03	5.25E-04	1.73E-04	3.72E-04	2.08E-03	4.27E-03	1.21E-03	3.24E-04	3.94E-05	1.84E-03	1.49E-03	9.04E-05	9.26E-05	2.25E-02		
551226.23	417885.52	1682.15882	2332.58707	591.53184	4161.40113	564.46305	1435.40708	1630.28229	1152.48881	33559514	31753.31605	2288.40377	1942.11197	0.22916	0.23083	2.6E-03	2.32E-03	6.74E-04	3.68E-04	6.55E-04	1.26E-03	2.37E-03	1.19E-03	3.44E-04	3.92E-05	2.02E-03	1.49E-03	9.16E-05	9.36E-05	2.23356E-02		
551210.86	417880.75	1630.69794	2319.60627	568.10839	40168.6254	683.03085	1532.49257	1651.09333	1221.38913	31854761	31893.00917	2220.19487	1929.58709	0.19981	0.19842	2.6E-03	2.28E-03	6.93E-04	3.78E-04	6.74E-04	1.23E-03	2.39E-03	1.23E-03	3.54E-04	4.04E-05	2.08E-03	1.54E-03	9.42E-05	9.63E-05	2.23356E-02		
551272.71	417860.67	1639.32688	2331.4115	564.90852	41446.92171	691.78781	1502.99245	1645.48281	1192.20701	33559795	31753.31605	2288.40377	1942.11197	0.22916	0.23083	2.6E-03	2.32E-03	6.74E-04	3.68E-04	6.55E-04	1.26E-03	2.37E-03	1.19E-03	3.44E-04	3.92E-05	2.02E-03	1.49E-03	9.16E-05	9.36E-05	2.23356E-02		
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551706.11	417853.59	2752.5703	4222.25106	462.7454	19021.1418	416.14312	2294.05588	2704.05588	1156.11537	26456668	18718.89902	1031.03478	3217.11884	0.34961	0.3582	4.8E-03	2.32E-03	5.20E-04	1.70E-04	3.68E-04	2.24E-03	4.42E-03	1.21E-03	3.23E-04	3.92E-05	1.83E-03	1.48E-03	8.99E-05	9.21E-05	2.24E-02		
551223.58	417818.15	1631.0126	2016.038	581.38347	41116.6641	728.1969	1446.86236	1629.88863	1165.5989	32942516	31726.26133	1593.38834	1935.36655	0.15479	0.19766	2.8E-03	2.23E-03	6.55E-04	3.55E-04	6.32E-04	1.25E-03	2.35E-03	1.15E-03	3.32E-04	3.85E-05	1.91E-03	1.46E-03	9.13E-05	9.37E-05	2.22726E-02		
551187.09	417890.97	1696.12746	2354.3255	598.84603	42128.3284	774.7114	1468.66447	1648.53547	1168.50147	32942516	31726.26133	1593.38834	1935.36655	0.15479	0.19766	2.8E-03	2.23E-03	6.55E-04	3.55E-04	6.32E-04	1.25E-03	2.35E-03	1.15E-03	3.32E-04	3.85E-05	1.91E-03	1.46E-03	9.13E-05	9.37E-05	2.22726E-02		
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551256.55	417872.52	1648.21335	2329.98227	574.9373	41258.9908	686.13852	1444.59466	1626.19102	1144.59466	32515795	31753.26133	1593.38834	1935.36655	0.15479	0.19766	2.8E-03	2.23E-03	6.55E-04	3.55E-04	6.32E-04	1.25E-03	2.35E-03	1.15E-03	3.32E-04	3.85E-05	1.91E-03	1.46E-03	9.13E-05	9.37E-05	2.22726E-02		
551759.56	417827.69	2930.2507	3940.14321	4508.82693	199.003078	400.16482	2548.97896	2881.41175	1133.00815	26149617	17853.37049	1003.2371	3155.09024	0.19421	0.19766	4.0E-03	2.23E-03	5.08E-04	1.68E-04	3.65E-04	2.21E-03	4.29E-03	1.14E-03	3.21E-04	3.84E-05	1.86E-03	1.51E-03	9.12E-05	9.36E-05	2.37097E-02		
551213.01	417827.76	1644.14738	2328.78228	594.69872	42128.9191	706.5013	1446.86447	1648.53547	1168.50147	32942516	31726.26133	1593.38834	1935.36655	0.15479	0.19766	2.8E-03	2.23E-03	6.55E-04	3.55E-04	6.32E-04	1.25E-03	2.35E-03	1.15E-03	3.32E-04	3.85E-05	1.91E-03	1.46E-03	9.13E-05	9.37E-05	2.17786E-02		
551125.01	417799.02	1586.82488	2249.0822	572.59045	40133.66609	722.93988	1403.53318	1595.3625	1127.15626	33179756	30799.83977	2317.72681	1783.63854	0.18083	0.19832	2.5E-03	2.13E-03	6.45E-04	3.56E-04	6.34E-04	1.19E-03	2.31E-03	1.19E-03	3.36E-04	3.78E-05	1.84E-03	1.45E-03	8.84E-05	9.07E-05	2.17786E-02		
551700.17	417815.68	2599.25346	3849.4857	4518.97557	197.016153	396.9088	2506.65668	3006.51841	1109.67094	33061184	30554682	1818.25668	1783.75614	0.17084	0.17084	4.3E-03	2.38E-03	5.25E-04	1.73E-04	3.72E-04	2.08E-03	4.27E-03	1.21E-03	3.24E-04	3.94E-05	1.84E-03	1.49E-03	9.04E-05	9.26E-05	2.25E-02		
551240.43	417864.35	1587.70034	2319.0573	576.11509	39881.0393	708.97381	1398.98608	1585.8701	1110.1281	32104754	30373.04035	1930.50581	1768.95459	0.18586	0.18611	2.5E-03	2.12E-03	6.49E-04	3.64E-04	6.42E-04	1.21E-03	2.28E-03	1.13E-03	3.38E-04	3.69E-04	1.91E-03	1.46E-03	8.69E-05	8.92E-05	2.15486E-02		
551252.25	417870.87	1599.2503	2329.1553	578.1757	39881.0393	708.97381	1398.98608	1585.8701	1110.1281	32104754	30373.04035	1930.50581	1768.95459	0.18586	0.18611	2.5E-03	2.12E-03	6.49E-04	3.64E-04	6.42E-04	1.21E-03	2.28E-03	1.13E-03	3.38E-04	3.69E-04	1.91E-03	1.46E-03	8.69E-05	8.92E-05	2.15486E-02		
551207.49	417860.09	1598.35536	2007.40839	553.59836	39306.36065	676.94802	1446.26977	1598.31979	1161.62844	32094674	30984.0076	1925.61284	2009.32116	0.18473	0.18473	2.5E-03	2.12E-03	6.49E-04	3.64E-04	6.42E-04	1.21E-03	2.28E-03	1.13E-03	3.38E-04	3.69E-04	1.91E-03	1.46E-03	8.69E-05	8.92E-05	2.16686E-02		
551181.19	417870.83	1586.28538	2016.0931	551.53232	39306.36065	676.94802	1446.26977	1598.31979	1161.62844	32094674	30984.0076	1925.61284	2009.32116	0.18473	0.18473	2.5E-03	2.12E-03	6.49E-04	3.64E-04	6.42E-04	1.21E-03	2.28E-03	1.13E-03	3.38E-04	3.69E-04	1.91E-03	1.46E-03	8.69E-05	8.92E-05	2.16686E-02		
551752.13	417849.61	2780.11147	1946.089	4511.57509	1952.54256	417.41564	2538.04959	3025.35971	1131.03513	261.7072	1801.90128	1001.28234	3141.18676	0.8067	0.74161	4.2E-03	2.12E-03	5.08E-04	1.68E-04	3.62E-04	2.20E-03	4.17E-03	1.16E-03	3.21E-04	3.84E-05	1.86E-03	1.51E-03	9.16E-05	9.36E-05	2.31616E-02		
551751.43	417868.8	2766.46795	3930.59486	4467.27566	1930.03465	406.8208	2502.0607	2977.25755	1119.69067	25978529	17732.27116	1001.1077	3105.54428	0.78018	0.73496	4.2E-03	2.12E-03	5.08E-04	1.68E-04	3.62E-04	2.20E-03	4.17E-03	1.16E-03	3.21E-04	3.84E-05	1.86E-03	1.51E-03	9.16E-05	9.36E-05	2.31616E-02		
551730.73	417836.23	2738.08092	3868.98982	4425.75346	1908.3655	400.68481	2468.26977	2936.7282	1103.46127	25978529	17732.27116	1001.1077	3105.54428	0.78018	0.73496	4.2E-03	2.12E-03	5.08E-04	1.68E-04	3.62E-04	2.20E-03	4.17E-03	1.16E-03	3.21E-04	3.84E-05	1.86E-03	1.51E-03	9.16E-05	9.36E-05	2.31616E-02		
551727.72	417835.78	2698.59787	3777.32504	4444.87191	1899.38516	401.61288	2439.6762	2937.93852	1095.92486	25810696	17629.65948	1000.01284	3105.54428	0.78018	0.73496	4.2E-03	2.12E-03	5.08E-04	1.68E-04	3.62E-04	2.20E-03	4.17E-03	1.16E-03	3.21E-04	3.84E-05	1.86E-03	1.51E-03	9.16E-05	9.36E-05	2.31616E-02		
551247.96	417819.13	2683.31565	3812.88883	4436.91	1902.14284	402.16708	2437.59	2931.98804	1097.46	25978529	17732.27116	1001.1077	3105.54428	0.78018	0.73496	4.2E-03	2.12E-03	5.08E-04	1.68E-04	3.62E-04	2.20E-03	4.17E-03	1.16E-03	3.21E-04	3.84E-05	1.86E-03	1.51E-03	9.16E-05	9.36E-05	2.31616E-02		
551205.8	417849.76	1577.09882	2064.98021	548.37161	38577.27097	674.76124	1434.5583	1576.89099	1136.95082	30619188	30261697.47	2168.65879	1796.78856	0.18525	0.18777	2.5E-03	2.12E-03	6.18E-04	3.53E-04	5.86E-04	1.23E-03	2.27E-03	1.18E-03	3.33E-04	3.67E-04	1.76E-03	1.46E-03	8.68E-05	8.90E-05	2.12858E-02		
551224.49	417870.91	1586.12238	2066.68896	548.94613	38577.27097	674.76124	1434.5583	1576.89099	1136.95082	30619188	30261697.47	2168.65879	1796.78856	0.18525	0.18777	2.5E-03	2.12E-03	6.18E-04	3.53E-04	5.86E-04	1.23E-03	2.27E-03	1.18E-03	3.33E-04	3.67E-04	1.76E-03	1.46E-03	8.68E-05	8.90E-05	2.12858E-02		
551759.61	417813.78	2887.5007	3555.79048	4359.67473	1866.0151	404.97327	2492.0603	2933.7526	1114.94686	25535371	17656.67727	964.23249	2969.30576	0.68888	0.68461	3.9E-03	2.03E-03	4.95E-04	1.61E-04	3.52E-04	2.14E-03	4.05E-03	1.10E-03	3.12E-04	3.68E-05	1.81E-03	1.44E-03	8.60E-05	8.82E-05	2.08862E-02		
551813.21	417809.49	2609.89677	3606.68837	4384.4461	1851.65009	401.61288	2439.6762	2937.93852	1095.92486	25535371	17656.67727	964.23249	2969.30576	0.68888	0.68461	3.9E-03	2.03E-03	4.95E-04	1.61E-04	3.52E-04	2.14E-03	4.05E-03	1.10E-03	3.12E-04	3.68E-05	1.81E-03	1.44E-03	8.60E-05	8.82E-05	2.08862E-02		
551825.61	417850.64	2602.88588	3618.98119	4366.01164	1837.97937	399.84784	2459.14236	2956.59852	1097.964	25432219	17357.51174	993.6317	2953.13969	0.9037	0.56843	4.0E-03	2.09E-03	4.91E-04	1.59E-04	3.47E-04	2.14E-03	4.36E-03	1.12E-03	3.09E-04	3.67E-04	1.74E-03	1.44E-03	8.48E-05	8.70E-05	2.17788E-02		
551733.97	417838.1	2586.16182	3556.8	4350.00133	1825.90013	397.45869	2439.6762	2937.93852	1095.92486	25432219	17357.51174	993.6317	2953.13969	0.9037	0.56843	4.0E-03	2.09E-03	4.91E-04	1.59E-04	3.47E-04	2.14E-03	4.36E-03	1.12E-03	3.09E-04	3.67E-04	1.74E-03	1.44E-03	8.48E-05	8.70E-05	2.17788E-02		
551238.79	417870.57	2568.70248	3520.1998	4335.84802	1813.68483	396.05413	2420.19468	2917.28724	1077.42188	25432219	17357.51174	993.6317	2953.13969	0.9037	0.56843	4.0E-03	2.09E-03	4.91E-04	1.59E-04	3.47E-04	2.14E-03	4.36E-03	1.12E-03	3.09E-04	3.67E-04	1.74E-03	1.44E-03	8.48E-05	8.70E-05	2.17788E-02		
551204.14	417839.43	1597.5942	2026.1598	543.85017	38516.68834	673.16398	1398.9556	1557.1368	1114.3823	30429487	29768.81239	1939.93235	1784.8656	0.18582	0.18604	2.4E-03	2.13E-03	6.13E-04	3.29E-04	5.85E-04	1.20E-03	2.26E-03	1.14E-03	3.11E-04	3.61E-04	1.75E-03	1.40E-03	8.55E-05	8.76E-05	2.10354E-02		
551745.15	417840.71	2571.9555	3884.88646	4390.69057	1908.7624	404.74306	2606.4888	3057.17705	1116.66614	33473996	32929.82	1975.66	1784.8656	0.18582	0.18604	2.4E-03	2.13E-03	6.13E-04	3.29E-04	5.85E-04	1.20E-03	2.26E-03	1.14E-03	3.11E-04	3.61E-04	1.75E-03	1.40E-03	8.55E-05	8.76E-05	2.10354E-02		
551243.56	417837.57	1540.05786	1852.1871	563.39322	38493.03311	753.10289	1352.89308	1540.16644	1072.16591	31408934	29768.81239	1939.93235	1784.8656	0.18582	0.18604	2.4E-03	2.13E-03	6.13E-04	3.29E-04	5.85E-04	1.20E-03	2.26E-03	1.14E-03	3.11E-04	3.61E-04	1.75E-03	1.40E-03	8.55E-05	8.76E-05	2.10354E-02		
551244.96	417837.23	1548.19408	1850.68156	557.11742	39293.51045	738.5467	1379.34108	1568.03617	1094.56762	31798292	29872.62936	1976.18364	1784.8656	0.18582	0.18604	2.4E-03	2.13E-03	6.13E-04	3.29E-04	5.85E-04	1.20E-03	2.26E-03	1.14E-03	3.11E-04	3.61E-04	1.75E-03	1.40E-03	8.55E-05	8.76E-05	2.10354E-02		
551247.96	417819.22	1538.33504	1845.2565	556.48278	39293.51045	738.5467	1379.34108	1568.03617	1094.56762	31798292	29872.62936	1976.18364	1784.8656	0.18582	0.18604	2.4E-03	2.13E-03	6.13E-04	3.29E-04	5.85E-04	1.20E-03	2.26E-03	1.14E-03	3.11E-04	3.61E-04	1.75E-03	1.40E-03	8.55E-05	8.76E-05	2.10354E-02		
551272.7	417825.78	2686.59778	3977.32504	4444.87191	1899.38516	401.61288	2439.6762	2937.93852	1095.92486	25810696	17629.65948	1000.01284	3105.54428	0.78018	0.73496	4.2E-03	2.12E-03	5.08E-04	1.68E-04	3.62E-04	2.20E-03	4.17E-03	1.16E-03	3.21E-04	3.84E-05	1.86E-03	1.51

Midway Village Project—All Off-site Receptors Scenario

All Off-site Receptors Exposed to Phases 1+2+3+4 Demolition and Phase 1+2+3+4 Construction

Construction Annual DPM Emissions (PM2.5 Exhaust)

Annual Average On site DPM Rate—Demolition Area 1A (Ph ase 1) Grams/m2/sec):	6.24E-08
Annual Average On site DPM Rate—Demolition Area 1A (Part 1 of 2 Ph ase 2) Grams/m2/sec):	5.70E-08
Annual Average On site DPM Rate—Demolition Area 2A (Part 2 of 2 Ph ase 2) Grams/m2/sec):	5.70E-08
Annual Average On site DPM Rate—Demolition Area 3A (Ph ase 3) Grams/m2/sec):	4.06E-08
Annual Average On site DPM Rate—Demolition Area 4A (Part 1 of 2 Ph ase 4) Grams/m2/sec):	6.25E-08
Annual Average On site DPM Rate—Demolition Area 4A (Part 2 of 2 Ph ase 4+5) Grams/m2/sec):	6.25E-08
Annual Average On site DPM Rate—Construction Area 1B (Ph ase 1) Grams/m2/sec):	9.83E-08
Annual Average On site DPM Rate—Construction Area 2B (Part 1 of 2 Ph ase 2) Grams/m2/sec):	2.05E-07
Annual Average On site DPM Rate—Construction Area 2B and 2B/3B (Part 2 of 2 Ph ase 2) Grams/m2/sec):	2.05E-07
Annual Average On site DPM Rate—Construction Area 3B (Ph ase 3) Grams/m2/sec):	6.84E-08
Annual Average On site DPM Rate—Construction Area 4B and Area 2B/4B (Ph ase 4) Grams/m2/sec):	4.70E-08
Annual Average On site DPM Rate—Construction Area 4B (Ph ase 4/5) Grams/m2/sec):	4.70E-08
Annual Average Off site DPM Emission Rate - Road Segment 1 Grams/sec):	1.60E-05
Annual Average Off site DPM Emission Rate - Road Segment 2 Grams/sec):	1.60E-05

Mitigated Concentrations

Mitigated DPM Concentrations		
Maximum DPM (ug/m3)	MIR UTM	
	X	Y
3.7568E-02	91156865	4173003.88
1.5014E-02	91176351	4172840.85

UTM	91156865 4173003.88
Latitude, Longitude	37°42'10.1"N 122°24'54.0"W
UTM	91176351 4172840.85
Latitude, Longitude	37°42'04.9"N 122°24'46.1"W

X	Y	Demolition Area 1A (Phase 1)	Demolition Area 2A (Part 1 of 2 Phase 2)	Demolition Area 2A (Part 2 of 2 Phase 2)	Demolition Area 3A (Phase 3)	Demolition Area 4A (Part 1 of 2 Phase 4)	Demolition Area 4A (Part 2 of 2 Phase 4 – Phase 4/5)	Construction Area 1B (Phase 1)	Construction Area 2B (Part 1 of 2 Phase 2)	Construction Area 2B and 2B/3B (Part 2 of Phase 2)	Construction Area 3B (Phase 3)	Construction Area 4B and Area 2B/4B (Phase 4)	Construction Area 4B (Phase 4/5)	Road Segment 1	Road Segment 2	Annual DPM Exhaust	Annual DPM Exhaust	Annual DPM Exhaust	Annual DPM Exhaust	Annual DPM Exhaust	Annual DPM Exhaust	Annual DPM Exhaust	Annual DPM Exhaust	Annual DPM Exhaust	Annual DPM Exhaust	Annual DPM Exhaust	Annual DPM Exhaust	Total
		495.00	495.00	495.00	495.00	495.00	495.00	495.00	495.00	495.00	495.00	495.00	495.00	UNK1	UNK2	w/Mitigation (ug/m3)	w/Mitigation (ug/m3)	w/Mitigation (ug/m3)	w/Mitigation (ug/m3)	w/Mitigation (ug/m3)	w/Mitigation (ug/m3)	w/Mitigation (ug/m3)	w/Mitigation (ug/m3)	w/Mitigation (ug/m3)	w/Mitigation (ug/m3)	w/Mitigation (ug/m3)	w/Mitigation (ug/m3)	DPM (ug/m3)
55176.51	417840.85	646024.4637	139863.34205	65769.74448	58997.55675	40831.01297	5357.08997	618300.48958	81012.61788	27636.37478	52416.22872	87627.14487	7526.49873	0.87788	0.88566	4.09E-03	8.08E-04	3.80E-03	2.92E-03	2.52E-03	3.15E-04	6.08E-03	1.66E-03	5.67E-03	3.58E-03	4.12E-03	3.56E-04	1.93E-02
55176024	417831.56	536760.68708	123510.68454	56620.45345	57600.16893	58701.23764	46791.1095	511644.11505	69403.80097	21236.25438	48622.61948	95583.36673	6881.58485	0.89405	0.88882	3.35E-03	7.14E-04	3.17E-03	2.66E-03	2.31E-03	3.11E-04	5.66E-03	1.62E-03	4.63E-03	3.33E-03	3.98E-03	3.56E-04	1.70E-02
55176557	417851.3	647513.6019	149642.45793	45188.73925	50999.76085	20861.38892	6238.90248	601961.12675	105447.58826	26588.48998	49102.60583	86279.49112	8691.89029	0.76081	0.7526	3.28E-03	6.51E-04	2.61E-03	2.51E-03	1.27E-03	3.89E-04	7.88E-03	2.14E-03	5.45E-03	3.36E-03	4.08E-03	3.56E-04	1.70E-02
55168605	417803.88	145893.9369	113158.5869	44859.87338	48628.12408	37527.7982	38156.84601	146763.38996	69908.17452	25703.385	74494.21139	110311.9488	49344.55997	12.06746	13.52869	9.11E-04	6.54E-03	2.60E-04	2.41E-04	2.34E-04	2.38E-03	1.46E-03	1.43E-02	5.27E-04	5.09E-03	5.18E-04	2.32E-03	1.69E-02
55178964	417840.93	164607.8785	40994.9103	56264.77219	55178.33776	38536.38295	24591.58884	164763.74779	69108.07604	20960.67764	47619.74884	83877.88644	12060.77064	4.66.06746	13.54158	2.48E-03	4.61E-04	2.48E-03	2.11E-03	1.48E-03	2.38E-03	2.11E-03	1.29E-02	2.48E-03	2.11E-03	1.29E-02	3.56E-04	1.61E-02
55162.21	417885.98	140636.5961	102795.9946	47411.34472	65910.19248	49190.96339	29080.06749	141171.03949	54700.12339	27095.56568	63192.41788	109147.1049	37404.58119	1.88866	13.47263	8.38E-04	5.94E-03	2.74E-04	3.27E-04	2.62E-04	3.11E-03	1.12E-02	5.55E-04	6.33E-03	6.19E-04	1.82E-03	1.68E-04	2.28E-02
55179.98	417822.77	42121.234	109375.77459	38914.57923	55230.30998	48552.63857	44561.61035	107943.8004	57413.86225	57413.86225	57413.86225	92581.75313	92581.75313	0.92381	0.91182	2.60E-03	6.08E-04	2.25E-03	2.74E-03	4.31E-03	1.18E-03	2.97E-03	2.92E-03	5.33E-03	2.98E-04	1.29E-03	1.55E-04	2.90E-02
55158.98	417977.03	136417.4138	95067.32359	48683.95275	77587.17648	64410.02431	26809.85554	138763.38617	47457.36852	27776.76878	99560.97041	164983.51234	34791.67098	11.92408	13.3595	6.66E-04	5.92E-03	2.81E-04	3.85E-04	2.76E-04	1.67E-03	1.36E-03	9.73E-03	5.70E-04	6.81E-03	6.81E-04	1.62E-03	1.67E-02
55155.76	417868.07	140636.5961	98993.35737	46408.79262	74111.37377	61991.86747	33591.81647	141059.81647	61159.51633	28450.97336	65124.98889	116036.98576	51218.12458	11.88962	13.50544	8.47E-04	5.98E-03	2.85E-04	3.91E-04	2.81E-04	1.58E-03	1.36E-03	9.85E-03	5.81E-04	6.91E-03	7.15E-04	1.47E-03	1.66E-02
55179.04	417838.52	538794.8835	139365.9777	46661.53071	50235.81148	28936.58886	5098.49256	511794.98055	78869.97528	22327.28538	41589.01745	74042.3	8690.67163	0.78042	0.77984	3.39E-03	7.73E-04	2.70E-03	2.49E-03	1.87E-03	3.18E-04	5.59E-03	1.61E-03	4.58E-03	3.10E-03	2.93E-03	3.28E-04	1.70E-02
55179.044	417803.69	322241.2099	81661.49007	39861.58936	49608.30198	39571.8728	39571.8728	319045.8744	49144.3	49144.3	49144.3	49144.3	49144.3	0.92381	0.91182	3.41E-03	7.81E-04	3.21E-03	2.68E-03	2.48E-03	2.48E-03	1.88E-03	1.31E-03	5.62E-03	4.00E-03	3.42E-03	3.28E-04	1.82E-02
55159.663	417823.29	11866.7035	424652.36809	541435489	125369.9649	148653.2962	148653.2962	148653.2962	148653.2962	148653.2962	148653.2962	148653.2962	148653.2962	0.93953	0.92735	2.48E-03	5.30E-04	1.60E-03	2.59E-03	4.33E-03	2.60E-04	3.46E-03	1.04E-02	2.28E-03	2.60E-04	5.55E-03	2.75E-04	1.33E-02
55153.94	417885.72	129615.6465	40709.57133	56758.83144	56758.83144	56758.83144	56758.83144	56758.83144	56758.83144	56758.83144	56758.83144	56758.83144	56758.83144	0.93953	0.92735	2.48E-03	5.30E-04	1.60E-03	2.59E-03	4.33E-03	2.60E-04	3.46E-03	1.04E-02	2.28E-03	2.60E-04	5.55E-03	2.75E-04	1.33E-02
55159.471	417908.72	129914.7811	41017.55	56758.83144	56758.83144	56758.83144	56758.83144	56758.83144	56758.83144	56758.83144	56758.83144	56758.83144	56758.83144	0.93953	0.92735	2.48E-03	5.30E-04	1.60E-03	2.59E-03	4.33E-03	2.60E-04	3.46E-03	1.04E-02	2.28E-03	2.60E-04	5.55E-03	2.75E-04	1.33E-02
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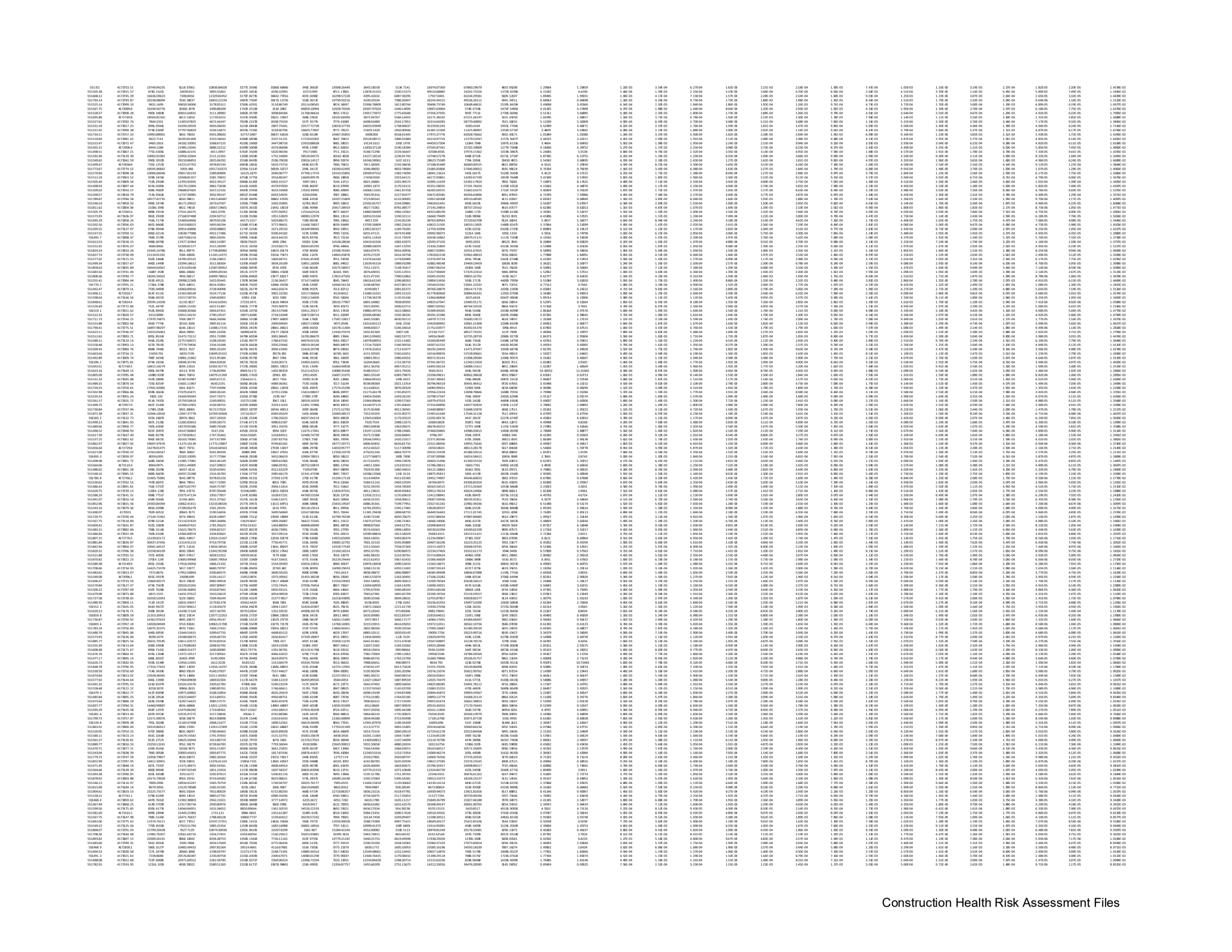
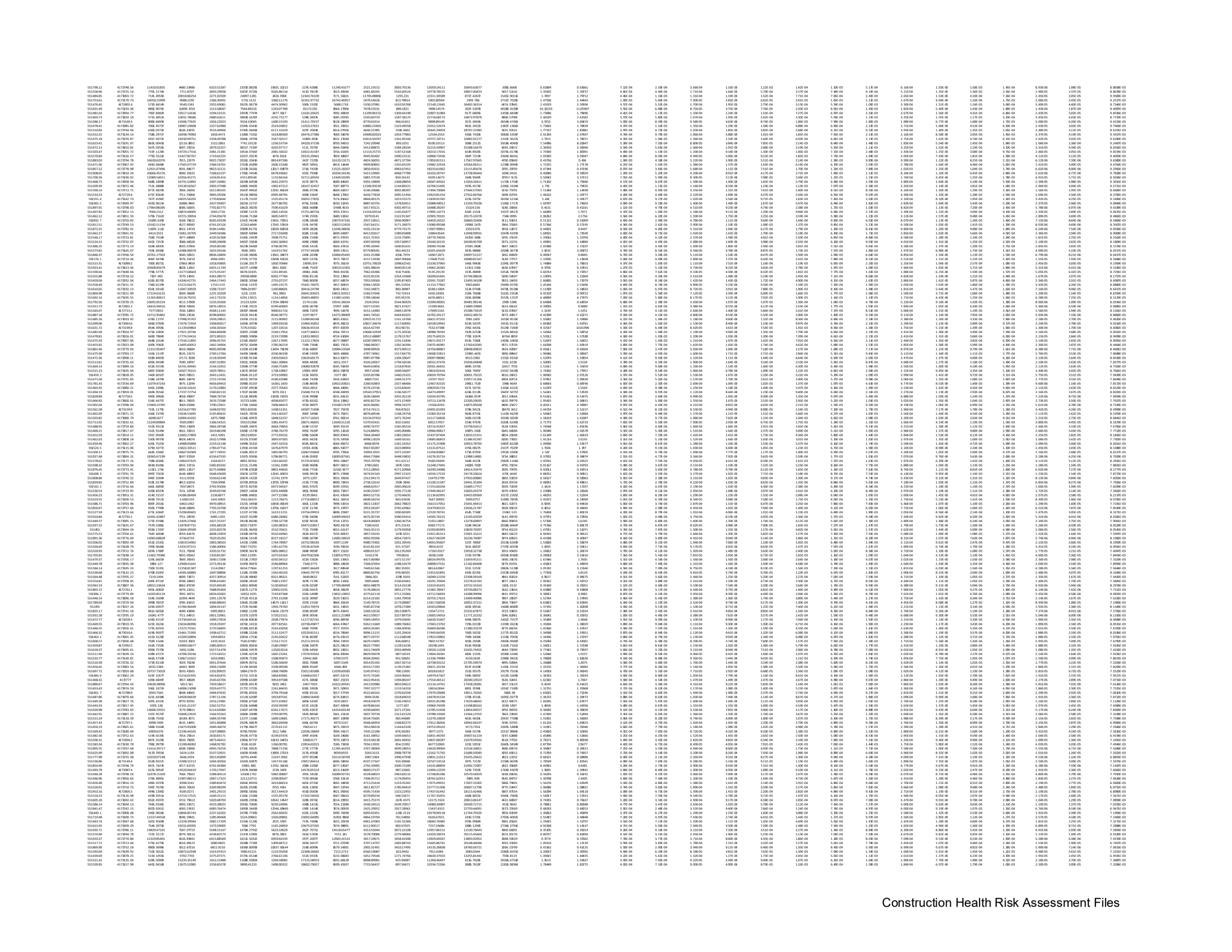
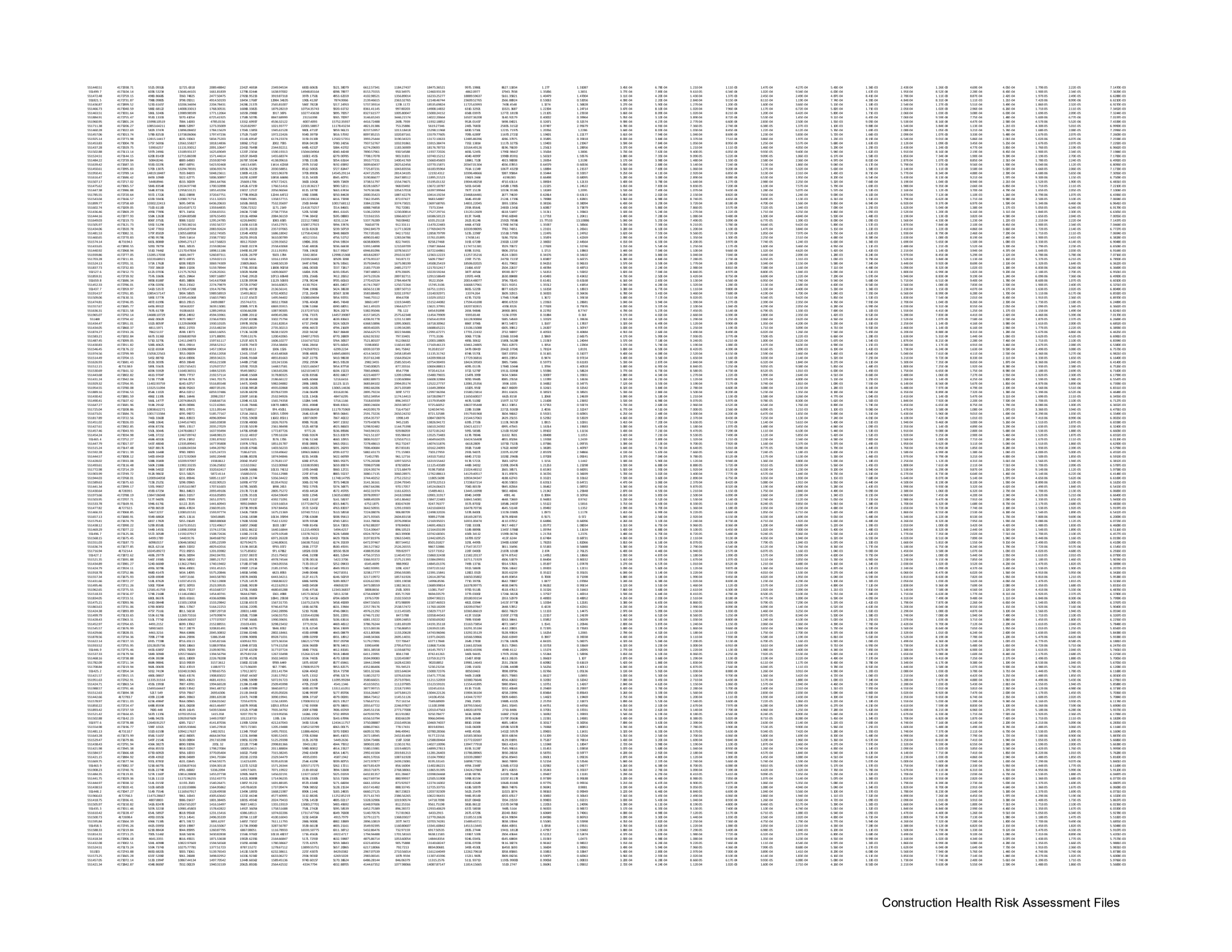
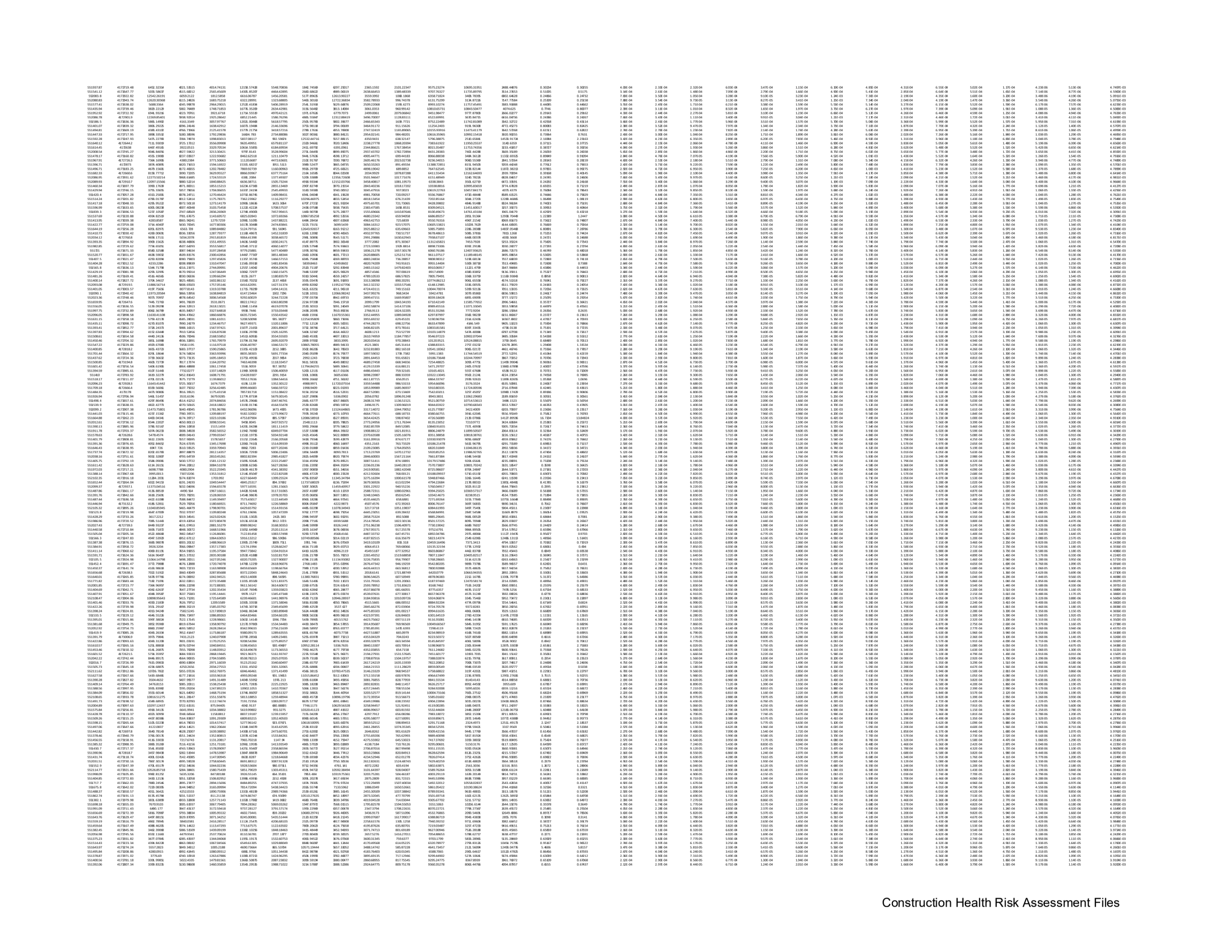
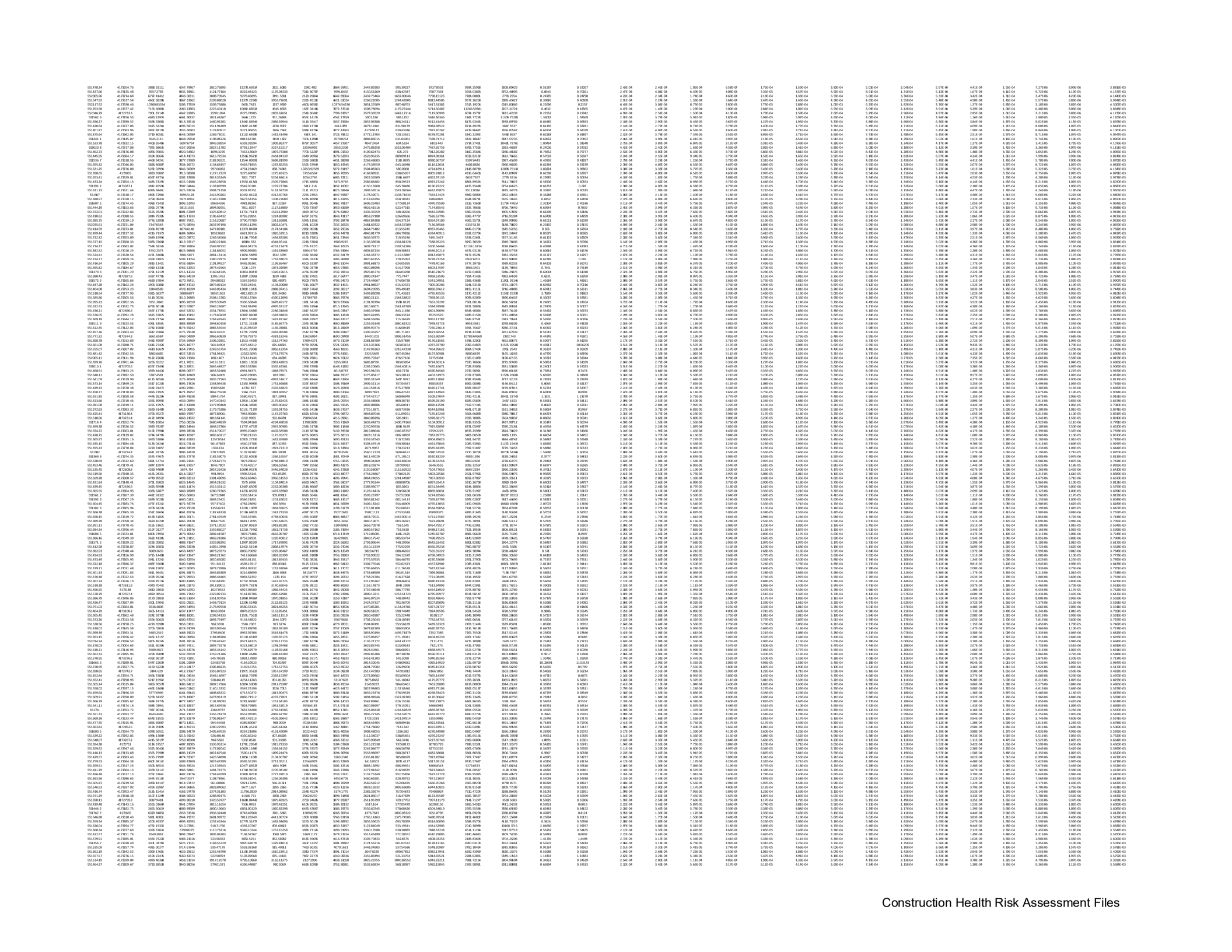


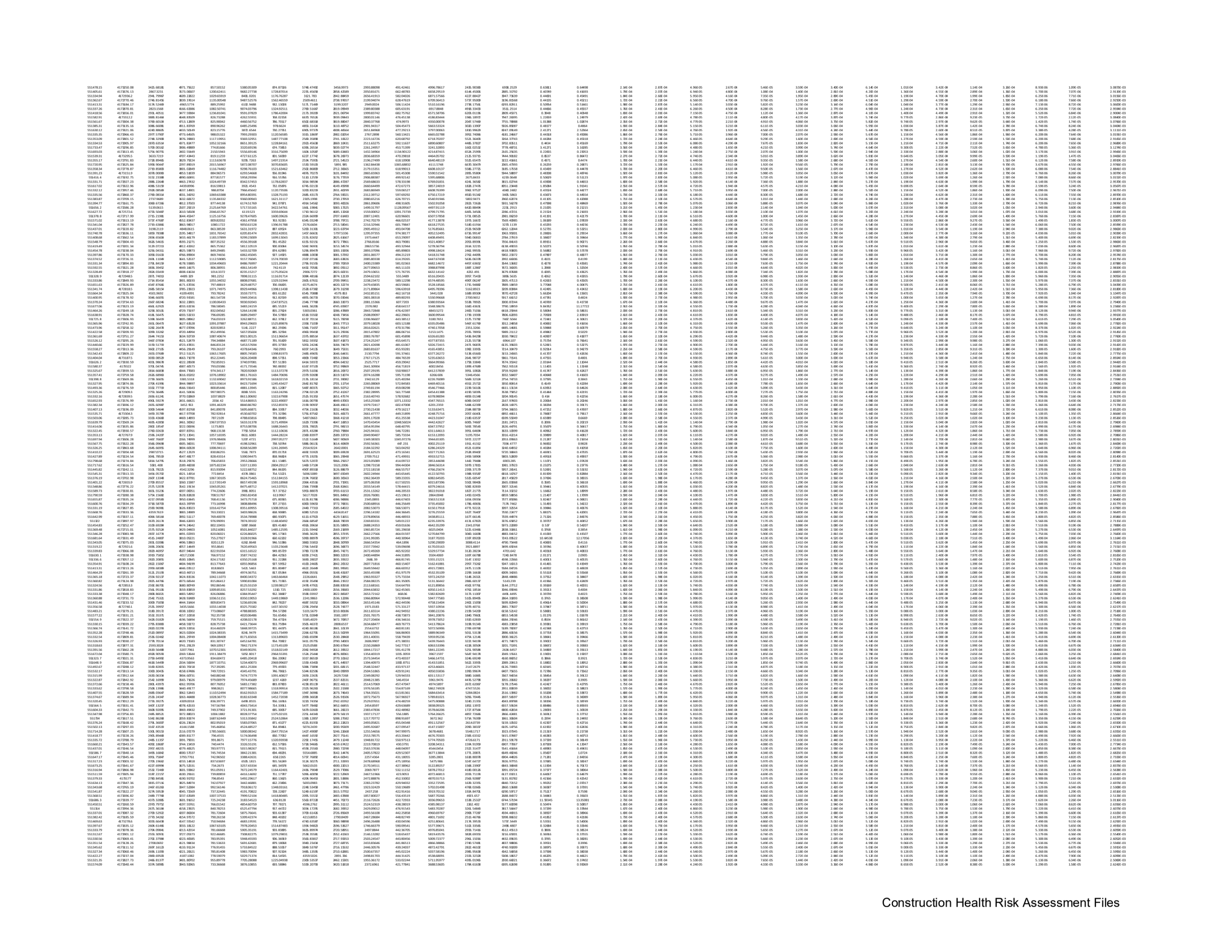

Construction Health Risk Assessment Files



Construction Health Risk Assessment Plan


Construction Health Risk Assessment Files


Construction Health Risk Assessment Files



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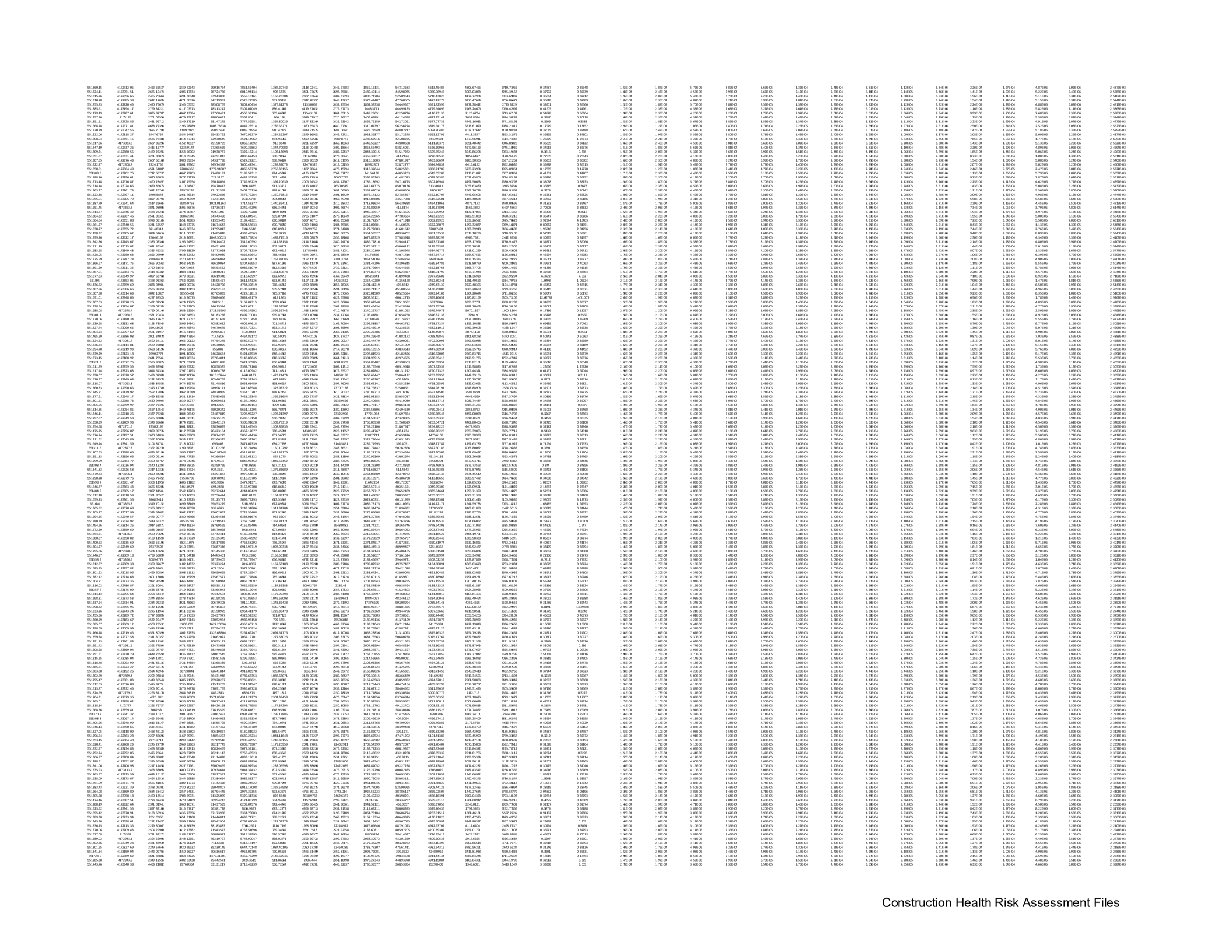
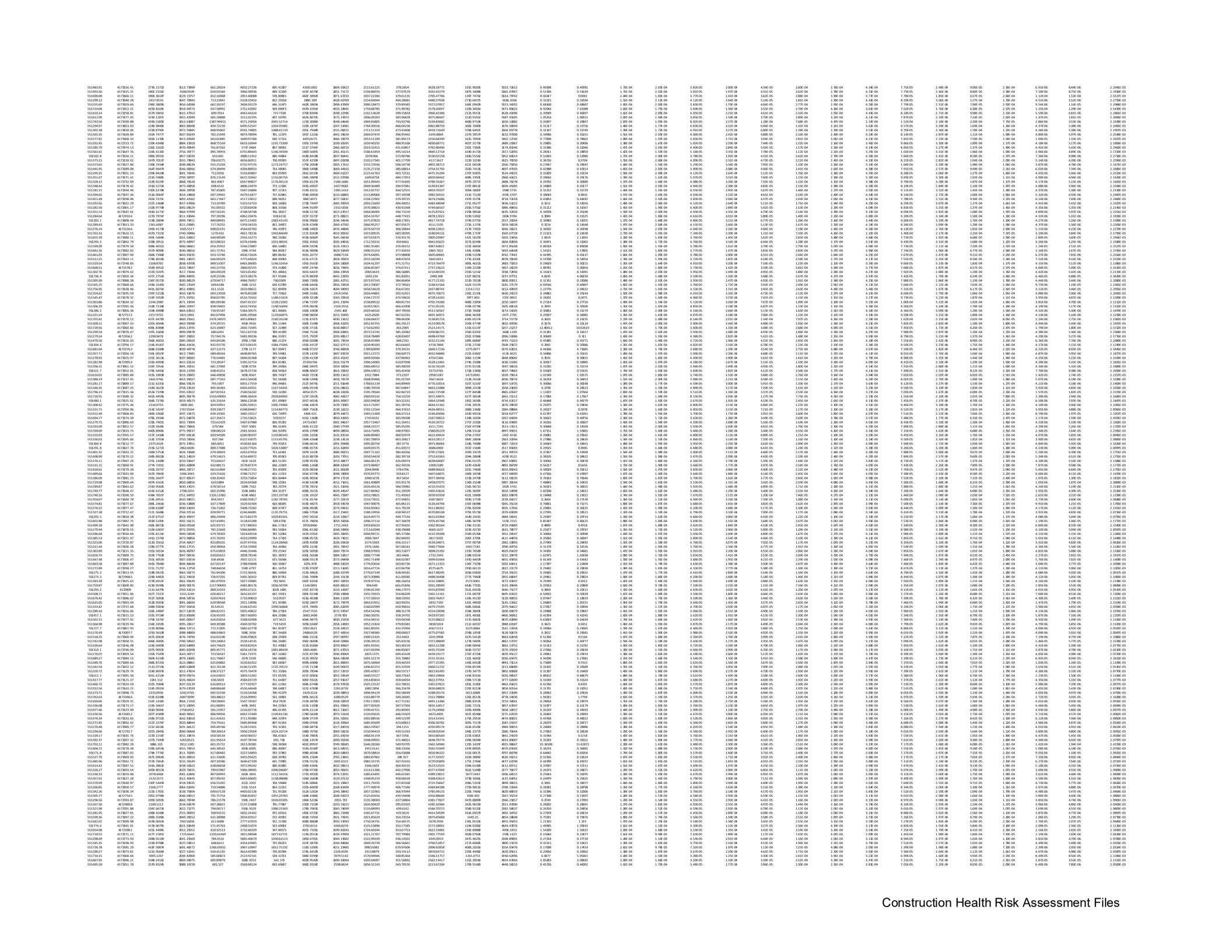

Construction Health Risk Assessment Files



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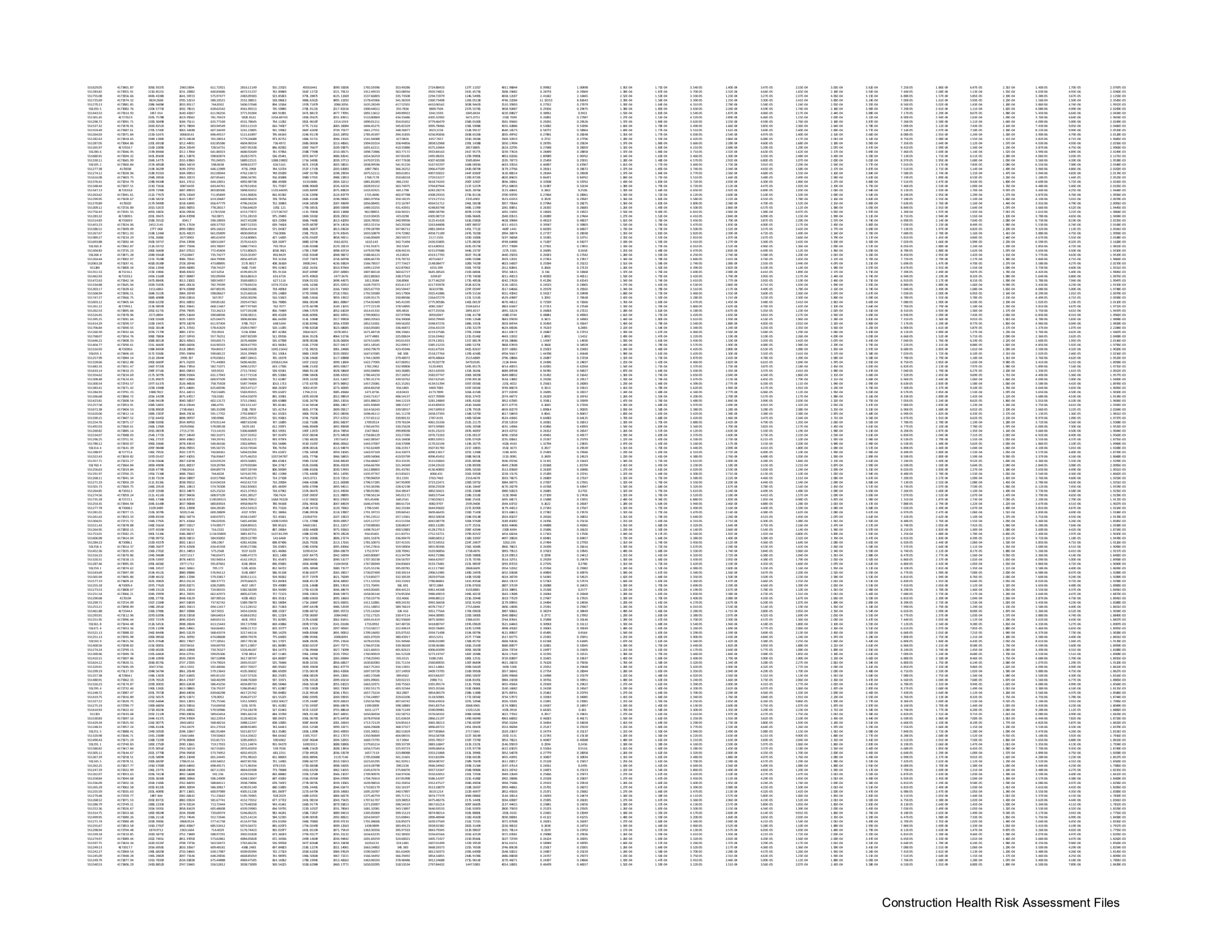
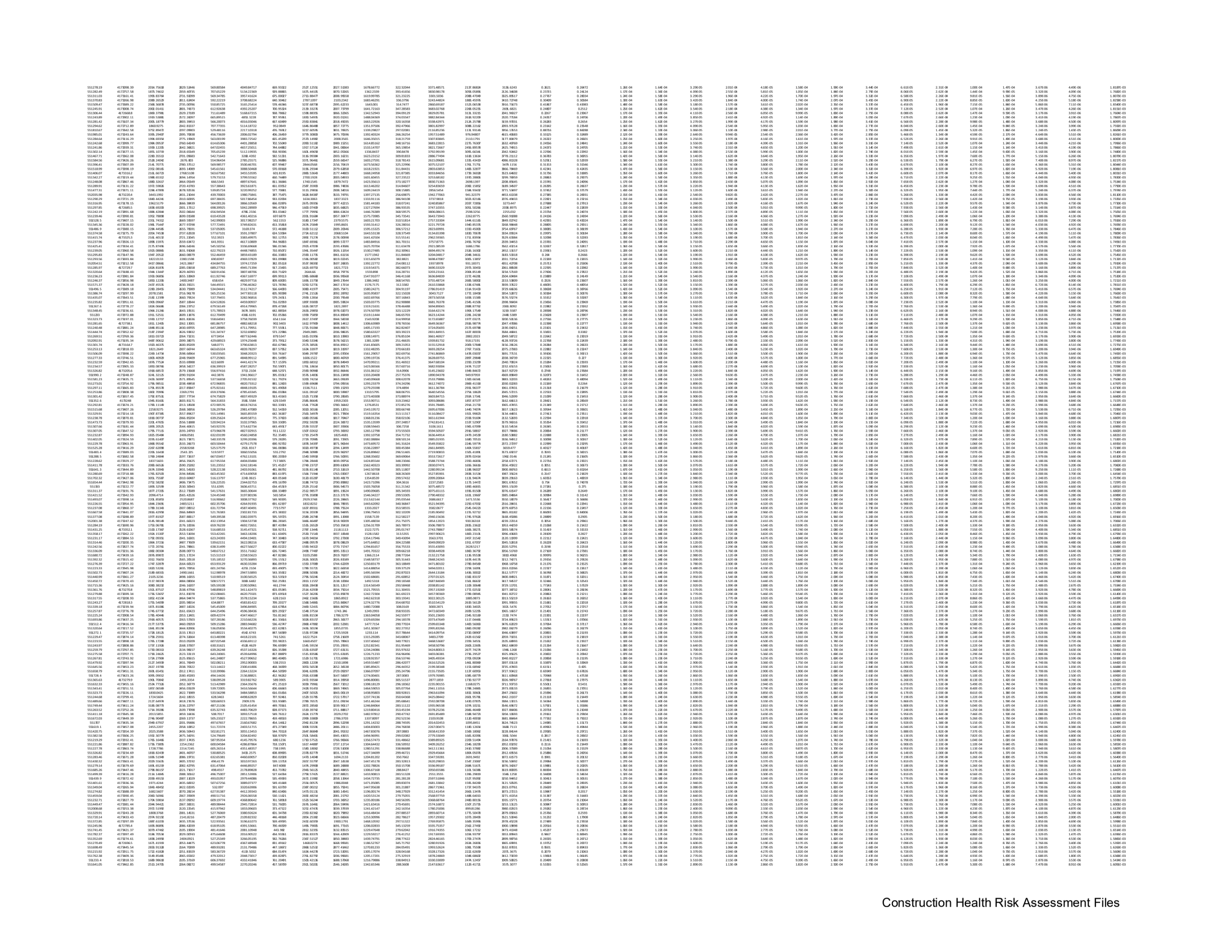

Construction Health Risk Assessment Figures


Construction Health Risk Assessment Files

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551733.28	417831.52	2480.54128	3077.53051	475.77625	20574.00104	468.19809	2797.51608	3160.63734	1213.98697	27612866	19001.01166	1091.11175	3406.63646	1.23485	1.08529	1.86E-04	1.30E-04	2.75E-05	1.02E-04	2.74E-05	1.72E-04	2.98E-04	2.49E-04	4.09E-05	9.23E-05	1.34E-04	4.93E-05	1.40E-04	1.73E-05	1.86E-05	1.61383E-03		
551487.75	417856.08	2108.92008	2681.87643	4229.65633	3041.7871	1355.9926	1645.49281	1332.20355	3374.38153	33952597	2528.66608	3147.19836	2611.77356	0.15424	0.15674	1.38E-04	1.30E-04	3.23E-05	1.64E-04	3.84E-05	1.47E-04	1.94E-04	2.93E-04	6.50E-05	1.90E-04	7.57E-05	1.45E-04	3.97E-04	4.83E-04	1.68E-05	1.72E-03		
551275.31	417860.47	3094.66606	4693.1405	668.315	19921.13699	459.71990	2649.38977	3151.18655	1163.08238	26723885	18928.86776	1035.66038	3275.24067	0.95385	0.89776	1.98E-04	1.19E-04	2.71E-05	9.87E-05	2.65E-05	1.66E-04	3.30E-04	2.38E-04	5.48E-05	2.68E-04	1.65E-04	4.76E-05	1.76E-04	1.33E-05	1.45E-05	1.56346E-03		
551706.11	417853.59	2999.53098	4267.77049	622.25106	18675.27983	1448.1418	2704.9588	2994.0586	1156.11537	26723837	18191.76781	1033.78295	3258.78508	0.98193	0.91574	1.97E-04	1.19E-04	2.70E-05	9.81E-05	2.64E-05	1.65E-04	3.28E-04	2.38E-04	5.45E-05	2.68E-04	1.64E-04	4.73E-05	1.75E-04	1.32E-05	1.44E-05	1.55838E-03		
551233.92	417859.66	1778.66916	2319.09895	515.35538	3231.5255	575.58762	2273.59189	3791.36505	1384.87338	29176927	27858785.1	1686.56988	2784.30982	0.25388	0.25823	1.31E-04	1.30E-04	2.98E-05	1.56E-04	3.59E-05	1.42E-04	1.91E-04	2.84E-04	5.98E-05	1.85E-04	7.92E-05	1.31E-04	3.55E-04	4.33E-04	1.53882E-03		
551669.1	417855.18	1778.5941	2317.79845	4769.5569	2955.67625	1448.30497	2774.714	2958.66835	1341.38811	27197727	19548.80554	1056.14222	3178.9355	1.04E-04	1.13E-04	3.75E-05	1.74E-04	3.79E-05	1.46E-04	4.47E-05	1.04E-04	1.64E-04	2.75E-04	5.45E-05	1.44E-04	6.98E-05	1.42E-04	1.07E-04	1.21E-04	1.47E-05	1.53882E-03		
551795.55	417895.58	3106.3324	4958.7274	663.45844	19950.0476	623.98359	2707.3648	3164.75811	1187.31616	26928961	18589.89438	1018.88603	3179.23	0.79923	0.74834	1.96E-04	1.18E-04	2.65E-05	9.71E-05	2.65E-05	1.64E-04	3.11E-04	2.43E-04	5.52E-05	1.37E-04	8.16E-05	1.11E-04	1.26E-05	1.58E-05	1.56346E-03		
551363.32	417930.3	1832.46345	2591.33628	5083.84397	3100.73101	915.55361	2335.16787	3934.33897	1408.11685	28912565	26851.19442	1628.20998	3037.56809	0.16123	0.16279	1.34E-04	1.30E-04	2.94E-05	1.54E-04	3.47E-05	1.43E-04	1.85E-04	2.84E-04	5.80E-05	1.84E-04	7.63E-05	1.38E-04	3.66E-04	4.45E-04	1.54082E-03		
551122.87	417884.01	1648.62038	2353.55483	5084.58526	41170.21265	761.91281	1468.68447	1648.53547	1183.31413	33774453	32314.49914	2508.97528	1861.00883	0.20112	0.20313	1.08E-04	1.24E-04	3.56E-05	2.07E-04	4.87E-05	9.11E-05	1.66E-04	2.66E-04	4.31E-05	1.06E-04	6.72E-05	2.27E-04	1.11E-04	8.76E-05	2.77E-04	3.41E-04	1.49756-03		
551254.04	417774.91	1630.99799	2592.80816	4183.83249	3060.09205	1446.33498	1635.74896	1316.01994	3344.59366	31683358	2496.66114	3121.63966	2588.27525	0.15284	0.15527	1.36E-04	1.29E-04	3.20E-05	1.63E-04	3.81E-05	1.46E-04	1.92E-04	2.90E-04	6.44E-05	1.89E-04	7.79E-05	1.43E-04	3.93E-04	4.79E-04	1.67E-05	1.70E-03		
551218.48	417867.09	1637.29034	2129.38841	5807.9393	41378.69072	706.01581	1526.76557	1672.25933	1231.82247	32535433	32704.08052	2508.49406	1904.2	0.20314	0.20512	1.08E-04	1.24E-04	3.56E-05	2.05E-04	4.91E-05	9.54E-05	1.66E-04	2.66E-04	4.31E-05	1.06E-04	6.97E-05	2.24E-04	1.16E-04	8.83E-05	2.80E-04	3.44E-04	1.51488-03		
551372.9	417859.15	1691.40048	2358.07755	5077.2719	3085.90763	2338.46048	1663.46695	1630.28529	1152.48865	28180582	19705.67655	1033.35628	2800.45976	0.19451	0.19778	1.96E-04	1.18E-04	2.70E-05	9.81E-05	2.64E-05	1.65E-04	3.28E-04	2.38E-04	5.45E-05	2.68E-04	1.64E-04	4.73E-05	1.75E-04	1.32E-05	1.44E-05	1.55522E-03		
551497.32	417826.51	2046.90638	2594.59456	4814.06861	27562.63321	912.30898	1638.43035	2067.78003	1377.03918	27482.68	24617.58494	1358.20038	3194.56292	0.3569	0.33095	1.28E-04	1.30E-04	2.78E-05	1.37E-04	3.20E-05	1.64E-04	2.28E-04	2.82E-04	5.03E-05	1.68E-04	6.56E-05	1.30E-04	4.57E-04	5.54E-04	1.55522E-03		
551258.35	417824.1	2168.90257	2800.00661	4748.05643	4227.65633	901.7081	1656.90246	2045.46831	1362.20351	31855979	24617.88636	1344.09478	3351.55372	0.19488	0.19779	1.38E-04	1.30E-04	2.98E-05	1.56E-04	3.58E-05	1.47E-04	1.94E-04	2.93E-04	6.06E-05	1.90E-04	7.79E-05	1.45E-04	3.97E-04	4.83E-04	1.68E-05	1.72E-03		
551725.31	417807.47	3094.66606	4693.1405	668.315	19921.13699	459.71990	2649.38977	3151.18655	1163.08238	26723885	18928.86776	1035.66038	3275.24067	0.95385	0.89776	1.98E-04	1.19E-04	2.71E-05	9.87E-05	2.65E-05	1.66E-04	3.30E-04	2.38E-04	5.48E-05	2.68E-04	1.65E-04	4.76E-05	1.76E-04	1.33E-05	1.45E-05	1.56346E-03		
551706.11	417853.59	2999.53098	4267.77049	622.25106	18675.27983	1448.1418	2704.9588	2994.0586	1156.11537	26723837	18191.76781	1033.78295	3258.78508	0.98193	0.91574	1.97E-04	1.19E-04	2.70E-05	9.81E-05	2.64E-05	1.65E-04	3.28E-04	2.38E-04	5.45E-05	2.68E-04	1.64E-04	4.73E-05	1.75E-04	1.32E-05	1.44E-05	1.55838E-03		
551233.92	417884.01	1778.66916	2319.09895	515.35538	3231.5255	575.58762	2273.59189	3791.36505	1384.87338	29176927	27858785.1	1686.56988	2784.30982	0.25388	0.25823	1.31E-04	1.30E-04	2.98E-05	1.56E-04	3.59E-05	1.42E-04	1.91E-04	2.84E-04	5.98E-05	1.85E-04	7.92E-05	1.31E-04	3.55E-04	4.33E-04	1.53882E-03		
551669.1	417855.18	1778.5941	2317.79845	4769.5569	2955.67625	1448.30497	2774.714	2958.66835	1341.38811	27197727	19548.80554	1056.14222	3178.9355	1.04E-04	1.13E-04	3.75E-05	1.74E-04	3.79E-05	1.46E-04	4.47E-05	1.04E-04	1.64E-04	2.75E-04	5.45E-05	1.44E-04	6.98E-05	1.42E-04	1.07E-04	1.21E-04	1.47E-05	1.53882E-03		
551795.55	417895.58	3106.3324	4958.7274	663.45844	19950.0476	623.98359	2707.3648	3164.75811	1187.31616	26928961	18589.89438	1018.88603	3179.23	0.79923	0.74834	1.96E-04	1.18E-04	2.65E-05	9.71E-05	2.65E-05	1.64E-04	3.11E-04	2.43E-04	5.52E-05	1.37E-04	8.16E-05	1.11E-04	1.26E-05	1.58E-05	1.56346E-03		
551363.32	417930.3	1832.46345	2591.33628	5083.84397	3100.73101	915.55361	2335.16787	3934.33897	1408.11685	28912565	26851.19442	1628.20998	3037.56809	0.16123	0.16279	1.34E-04	1.30E-04	2.94E-05	1.54E-04	3.47E-05	1.43E-04	1.85E-04	2.84E-04	5.80E-05	1.84E-04	7.63E-05	1.38E-04	3.66E-04	4.45E-04	1.54082E-03		
551122.87	417884.01	1648.62038	2353.55483	5084.58526	41170.21265	761.91281	1468.68447	1648.53547	1183.31413	33774453	32314.49914	2508.97528	1861.00883	0.20112	0.20313	1.08E-04	1.24E-04	3.56E-05	2.07E-04	4.87E-05	9.11E-05	1.66E-04	2.66E-04	4.31E-05	1.06E-04	6.72E-05	2.27E-04	1.11E-04	8.76E-05	2.77E-04	3.41E-04	1.49756-03		
551254.04	417774.91	1630.99799	2592.80816	4183.83249	3060.09205	1446.33498	1635.74896	1316.01994	3344.59366	31683358	2496.66114	3121.63966	2588.27525	0.15284	0.15527	1.36E-04	1.29E-04	3.20E-05	1.63E-04	3.81E-05	1.46E-04	1.92E-04	2.90E-04	6.44E-05	1.89E-04	7.79E-05	1.43E-04	3.93E-04	4.79E-04	1.67E-05	1.70E-03		
551220.41	417878.43	1729.51394	2601.17093	5167.31553	3141.60171	1448.30497	1657.68049	1337.66777	3391.53559	31683358	2508.56972	3155.03779	2611.77356	0.19488	0.19779	1.38E-04	1.30E-04	2.98E-05	1.56E-04	3.58E-05	1.47E-04	1.94E-04	2.93E-04	6.06E-05	1.90E-04	7.79E-05	1.45E-04	3.97E-04	4.83E-04	1.68E-05	1.72E-03		
551269.63	417877.46	1605.56586	2355.5878	5791.91481	41150.56158	788.56986	1408.17479	1603.43858	1130.65106	32814187	32099.20336	2473.32235	1861.83828	0.18385	0.18601	1.08E-04	1.24E-04	3.52E-05	2.04E-04	4.93E-05	8.75E-05	1.58E-04	2.66E-04	4.31E-05	1.06E-04	6.73E-05	2.12E-04	1.16E-04	8.37E-05	2.67E-04	3.17E-04	1.46388-03		
551263.14	417865.82	1602.76878	2351.53122	5811.6898	4056.15815	786.85879	1408.44619	1602.985	1126.23022	32643582	30873.64001	2435.73346	1834.58	0.18385	0.18598	1.08E-04	1.24E-04	3.52E-05	2.04E-04	4.91E-05	8.76E-05	1.57E-04	2.66E-04	4.31E-05	1.06E-04	6.73E-05	2.12E-04	1.16E-04	8.38E-05	2.68E-04	3.18E-04	1.45988-03		
551260.84	417856.17	1606.90852	2352.1351	5963.4952	4163.2351	1448.44619	1602.985	1126.23022	32643582	30873.64001	2435.73346	1834.58	0.18385	0.18598	1.08E-04	1.24E-04	3.52E-05	2.04E-04	4.91E-05	8.76E-05	1.57E-04	2.66E-04	4.31E-05	1.06E-04	6.73E-05	2.12E-04	1.16E-04	8.38E-05	2.68E-04	3.18E-04	1.45988-03		
551738.19	417839.76	2874.6762	4863.5916	4568.89254	1982.78276	424.1322	2605.09792	2631.6874	1159.10704	26610261	18266.64258	1035.65648	3222.01113	0.94869	0.89808	1.96E-04	1.19E-04	2.65E-05	9.91E-05	2.65E-05	1.64E-04	3.30E-04	2.38E-04	5.48E-05	1.35E-04	8.17E-05	4.76E-05	1.76E-04	1.33E-05	1.45E-05	1.55985E-03		
551234.3	417877.04	1609.21815	2355.82005	4772.6958	4156.41362	1447.08709	1611.9309	1344.49044	3311.93435	31683358	2496.66114	3121.63966	2588.27525	0.15284	0.15527	1.36E-04	1.29E-04	3.20E-05	1.63E-04	3.81E-05	1.46E-04	1.92E-04	2.90E-04	6.44E-05	1.89E-04	7.79E-05	1.43E-04	3.93E-04	4.79E-04	1.67E-05	1.70E-03		
551238.33	417877.14	1608.81991	2346.4095	5811.8963	4163.2351	1448.44619	1602.985	1126.23022	32643582	30873.64001	2435.73346	1834.58	0.18385	0.18598	1.08E-04	1.24E-04	3.52E-05	2.04E-04	4.91E-05	8.76E-05	1.57E-04	2.66E-04	4.31E-05	1.06E-04	6.73E-05	2.12E-04	1.16E-04	8.38E-05	2.68E-04	3.18E-04	1.45988-03		
551238.33	417877.14	1608.81991	2346.4095	5811.8963	4163.2351	1448.44619	1602.985	1126.23022	32643582	30873.64001	2435.73346	1834.58	0.18385	0.18598	1.08E-04	1.24E-04	3.52E-05	2.04E-04	4.91E-05	8.76E-05	1.57E-04	2.66E-04	4.31E-05	1.06E-04	6.73E-05	2.12E-04	1.16E-04	8.38E-05	2.68E-04	3.18E-04	1.45988-03		
551719.12	417845.1	2788.04644	4699.1418	4611.28758	1990.30449	424.81893	2637.03151	2611.9827	1167.89281	26856117	18395.07657	1035.66032	3232.63731	0.82886	0.7621	1.96E-04	1.19E-04	2.65E-05	9.91E-05	2.65E-05	1.64E-04	3.30E-04	2.38E-04	5.48E-05	1.35E-04	8.17E-05	4.76E-05	1.76E-04	1.33E-05	1.45E-05	1.55985E-03		
551255.56	417827.69	2930.15335	4572050.67	4597.09004	1979.3973	5508.9928	3086.31841	3169.43596	2826.4241	28178.5	24617.44698	1358.21731	3196.97815	0.3515	0.34706	1.28E-04	1.30E-04	2.78E-05	1.37E-04	3.20E-05	1.64E-04	2.28E-04	2.82E-04	5.03E-05	1.68E-04	6.56E-05	1.30E-04	4.57E-04	5.54E-04	1.55522E-03		
551759.56	417827.69	2930.15307	4940.10321	4582.82693	1950.83078	420.16482	2549.97896	2681.41175	1182.40161	32200759	31664.14295	2288.16787	1861.10942	0.19468	0.19741	1.08E-04	1.24E-04	3.56E-05	2.07E-04	4.91E-05	9.15E-05	1.65E-04	2.66E-04	4.31E-05	1.06E-04	6.96E-05	2.17E-04	1.07E-04	8.76E-05	2.72E-04	3.35E-04	1.47796-03		
551213.91	417827.76	1641.14738	2379.78228	5897.6897	3991.13257	1426.11236	1656.90246	1316.01994	3344.59366	31683358	2496.66114	3121.63966	2588.27525	0.15284	0.15527	1.36E-04	1.29E-04	3.20E-05	1.63E-04	3.81E-05	1.46E-04	1.92E-04	2.90E-04	6.44E-05	1.89E-04	7.79E-05	1.43E-04	3.93E-04	4.79E-04	1.67E-05	1.70E-03		
551269.63	417877.46	1605.56586	2355.5878	5791.91481	41150.56158	788.56986	1408.17479	1603.43858	1130.65106	32814187	32099.20336	2473.32235	1861.83828	0.18385	0.18601	1.08E-04	1.24E-04	3.52E-05	2.04E-04	4.93E-05	8.75E-05	1.58E-04	2.66E-04	4.31E-05	1.06E-04	6.73E-05	2.12E-04	1.16E-04	8.37E-05	2.67E-04	3.17E-04	1.46388-03		
551263.14	417865.82	1602.76878	2351.53122	5811.6898	4056.15815	786.85879	1408.44619	1602.985	1126.23022	32643582	30873.64001	2435.73346	1834.58	0.18385	0.18598	1.08E-04	1.24E-04	3.52E-05	2.04E-04	4.91E-05	8.76E-05	1.57E-04	2.66E-04	4.31E-05	1.06E-04	6.73E-05	2.12E-04	1.16E-04	8.38E-05	2.68E-04	3.18E-04	1.45988-03		
551260.84	417856.17	1606.90852	2352.1351	5963.4952	4163.2351	1448.44619	1602.985	1126.23022	32643582	30873.64001	2435.73346	1834.58	0.18385	0.18598	1.08E-04	1.24E-04	3.52E-05	2.04E-04	4.91E-05	8.76E-05	1.57E-04	2.66E-04	4.31E-05	1.06E-04	6.73E-05	2.12E-04	1.16E-04	8.38E-05	2.68E-04	3.18E-04	1.45988-03		
551738.19	417839.76	2874.6762	4863.5916	4568.89254	1982.78276	424.1322	2605.09792	2631.6874	1159.10704	26610261	18266.64258	1035.65648	3222.01113	0.94869	0.89808	1.96E-04	1.19E-04	2.65E-05	9.91E-05	2.65E-05	1.64E-04	3.30E-04	2.38E-04	5.48E-05	1.35E-04	8.17E-05	4.76E-05	1.76E-04	1.33E-05	1.45E-05	1.55985E-03		
551224.3	417877.04	1609.21815	2355.82005	4772.6958	4156.41362	1447.08709	1611.9309	1344.49044	3311.93435	31683358	2496.66114	3121.63966	2588.27525	0.15284	0.15527	1.36E-04	1.29E-04	3.20E-05	1.63E-04	3.81E-05	1.46E-04	1.92E-04	2.90E-04	6.44E-05	1.89E-04	7.79E-05	1.43E-04	3.93E-04	4.79E-04	1.67E-05	1.70E-03		
551238.33	417877.14	1608.81991	2346.4095	5811.8963	4163.2351	1448.44619	1602.985	1126.23022	32643582	30873.64001	2435.73346	1834.58	0.18385	0.18598	1.08E-04	1.24E-04	3.52E-05	2.04E-04	4.91E-05	8.76E-05	1.57E-04	2.66E-04	4.31E-05	1.06E-04	6.73E-05	2.12E-04	1.16E-04	8.38E-05	2.68E-04	3.18E-04	1.45988-03		
551220.41	417878.43	1729.51394	2601.17093	5167.31553	3141.60171	1448.30497	1657.68049	1337.66777	3391.53559	31683358	2508.56972	3155.03779	2611.77356	0.19488	0.19779	1.38E-04	1.30E-04	2.98E-05	1.56E-04	3.58E-05	1.47E-04	1.94E-04	2.93E-04	6.06E-05	1.90E-04	7.79E-05	1.45E-04	3.97E-04	4.83E-04	1.68E-05	1.72E-03		
551254.04	417774.91	1630.99799	2592.80816	4183.83249	3060.09205	1446.33498	1635.74896	1316.01994	3344.59366	31683358	2496.66114	3121.63966	2588.27525	0.15284	0.15527	1.36E-04	1.29E-04	3.20E-05	1.63E-04	3.81E-05	1.46E-04	1.92E-04	2.90E-04	6.44E-05	1.89E-04	7.79E-05	1.43E-04	3.93E-04	4.79E-04	1.67E-05	1.70E-03		
551220.41	417878.43	1729.51394	2601.17093	5167.31553	3141.60171	1448.30497	1657.68049	1337.66777	3391.53559	31683358	2508.56972	3155.03779	2611.77356	0.19488	0.19779	1.38E-04	1.30E-04	2.98E-05	1.56E-04	3.58E-05	1.47E-04	1.94E-04	2.93E-04	6.06E-05	1.90E-04	7.79E-05	1.45E-04	3.97E-04	4.83E-04	1.68E-05	1.72

Midway Village Project—All Off-site Receptors Scenario

All Off-site Receptors Exposed to Phases 1+2+3+4 Demolition and Phase 1+2+3+4 Construction

Construction Annual Total PM2.5 Emissions (PM2.5 Total)

Annual Average On-site Total PM2.5 Emission Rate—Demolition Area 1A (Phase 1) (grams/m2/sec):
Annual Average On-site Total PM2.5 Emission Rate—Demolition Area 2A (Part 1 of 2 Phase 2) (grams/m2/sec):
Annual Average On-site Total PM2.5 Emission Rate—Demolition Area 2A (Part 2 of 2 Phase 2) (grams/m2/sec):
Annual Average On-site Total PM2.5 Emission Rate—Demolition Area 3A (Phase 3) (grams/m2/sec):
Annual Average On-site Total PM2.5 Emission Rate—Demolition Area 4A (Part 1 of 2 Phase 4 – Phase 4FS) (grams/m2/sec):
Annual Average On-site Total PM2.5 Emission Rate—Construction Area 1B (Ph 1 or 1) (grams/m2/sec):
Annual Average On-site Total PM2.5 Emission Rate—Construction Area 2B and 3B (Part 1 of 2 Phase 2) (grams/m2/sec):
Annual Average On-site Total PM2.5 Emission Rate—Construction Area 2B and 3B (Part 2 of 2 Phase 2) (grams/m2/sec):
Annual Average On-site Total PM2.5 Emission Rate—Construction Area 3B (Phase 3) (grams/m2/sec):
Annual Average On-site Total PM2.5 Emission Rate—Construction Area 4B (Phase 4FS) (grams/m2/sec):
Annual Average Off-site Total PM2.5 Emission Rate - Road Segment 1 (grams/sec):
Annual Average Off-site Total PM2.5 Emission Rate - Road Segment 2 (grams/sec):

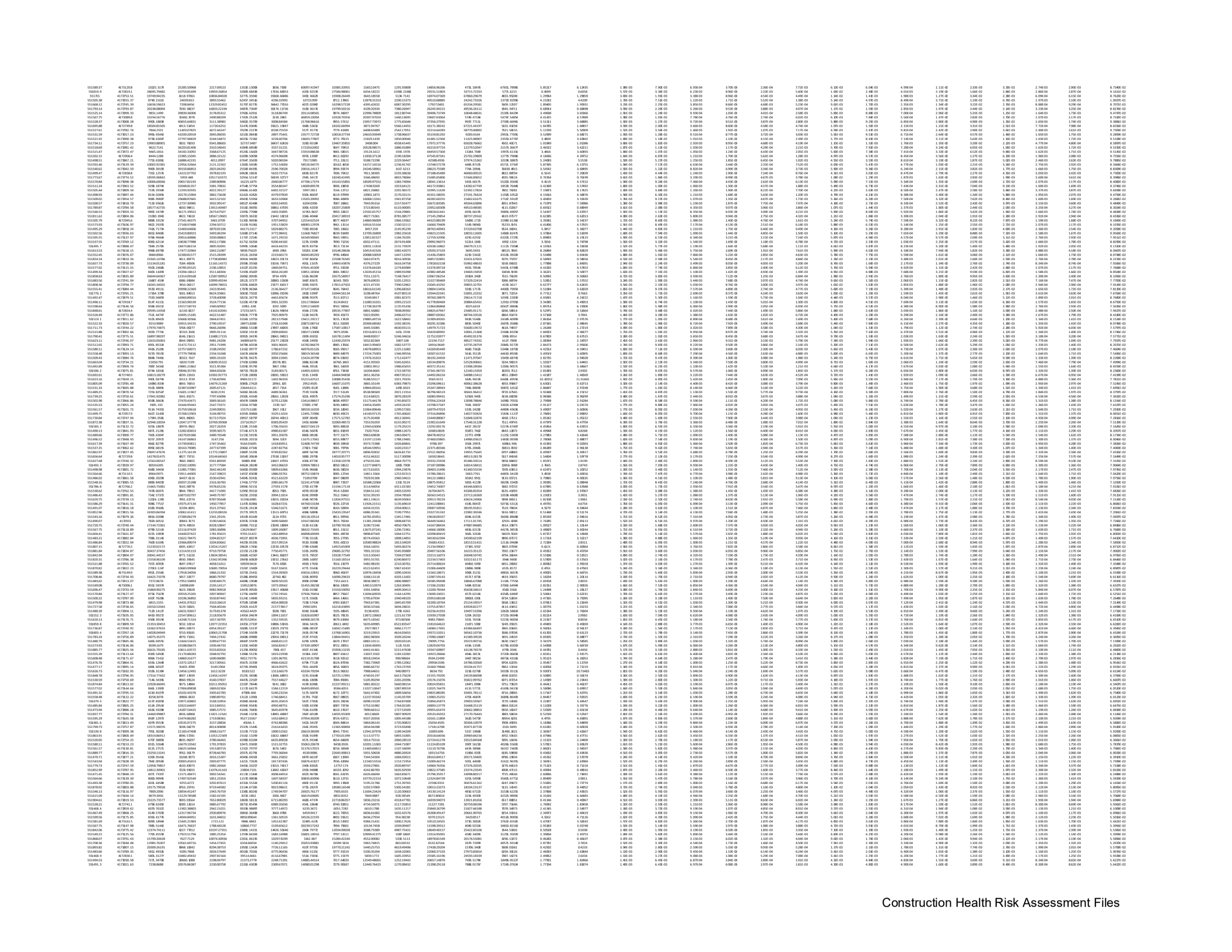
Mitigated Concentrations

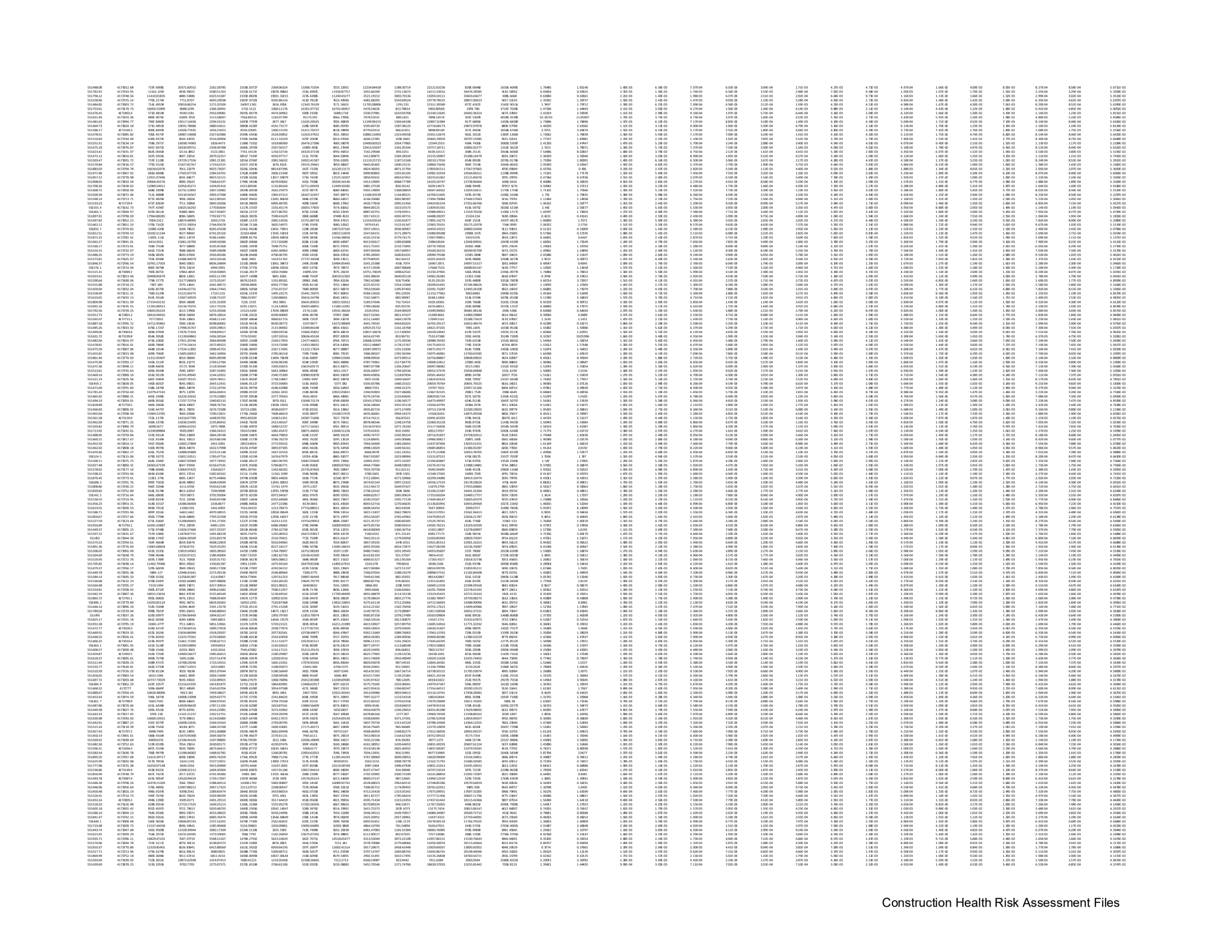
Mitigated PM2.5 Concentrations			
Maximum		MIR	
1H		UTM	
(ug/m3)	X	Y	
1.97E-01	561558.98	4172977.03	
1.96E-01	561763.51	4172840.85	

1.94E-07	
3.12E-07	
3.12E-07	
2.73E-07	
1.28E-07	
1.28E-07	
5.90E-07	
561558.98	4172977.03
3.86E-07	
7.50E-07	
4.03E-07	
4.93E-07	
4.74E-07	

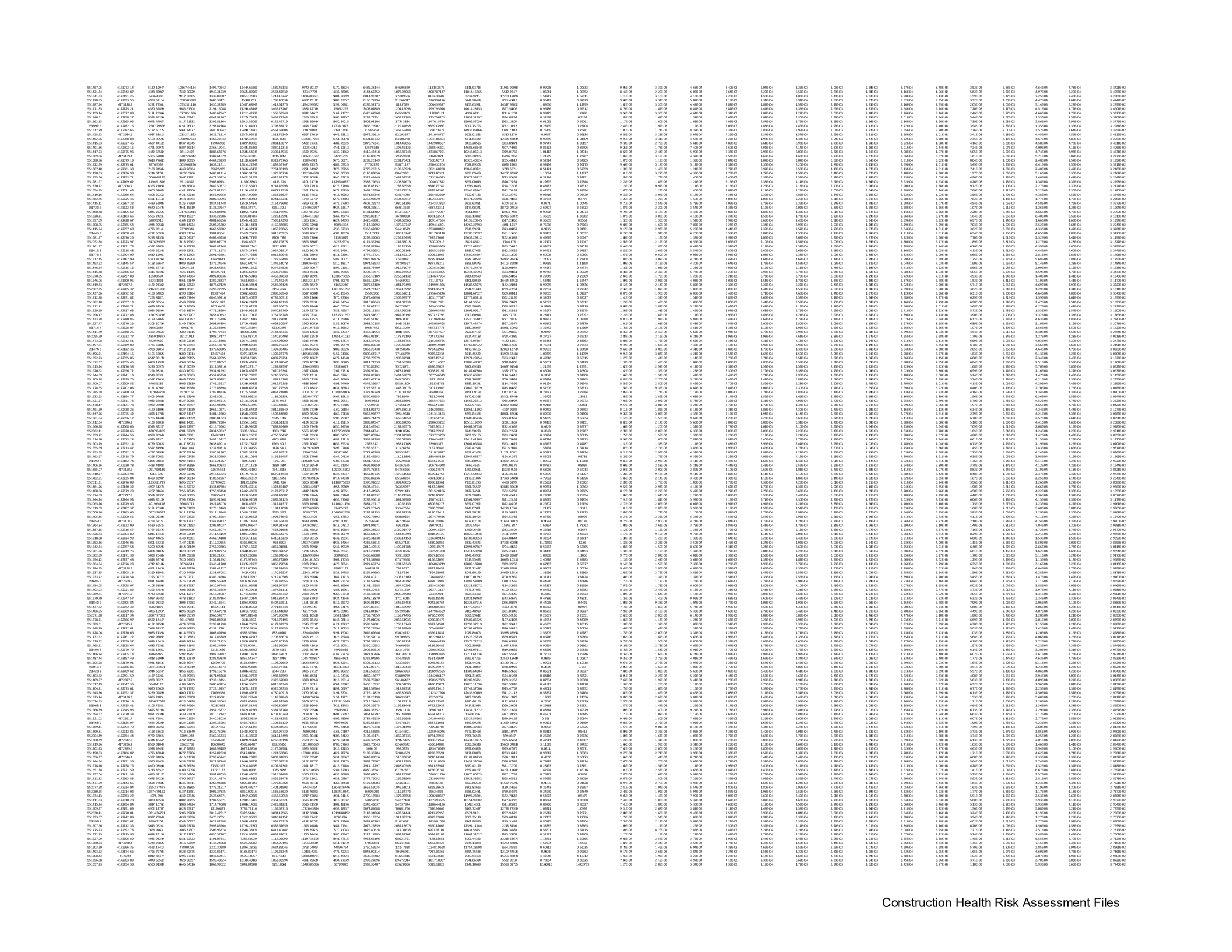
Latitude, Longitude	37°42'09.37"N 122°24'54.4"W
UTM	561763.51 4172840.85
Latitude, Longitude	37°42'04.87"N 122°24'46.1"W

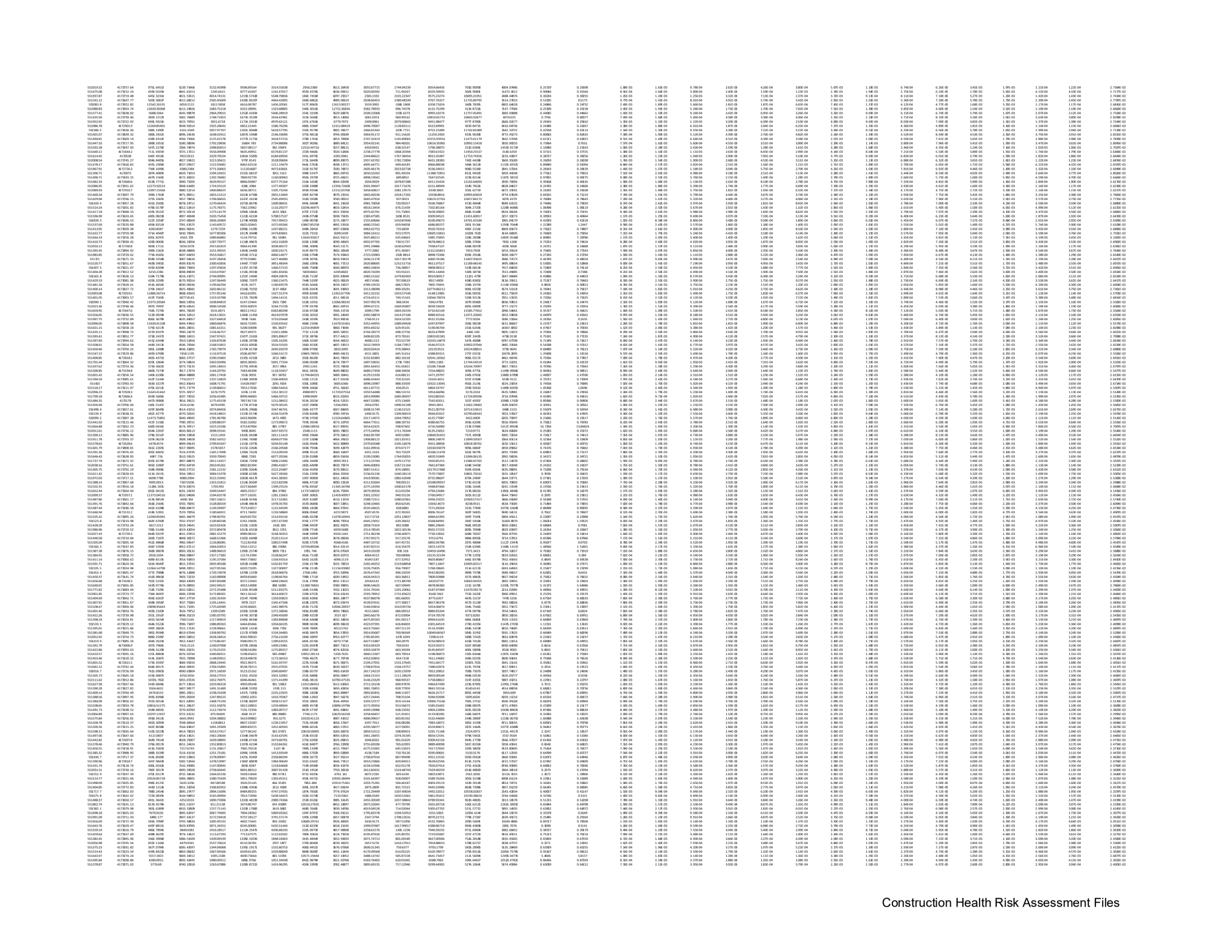
X	Y	Demolition Area 1A (Phase 1) AREA0	Demolition Area 2A (Part 1 of 2 Phase 2) AREA1	Demolition Area 2A (Part 2 of 2 Phase 2) AREA2	Demolition Area 3A (Phase 3) AREA3	Demolition Area 4A (Part 1 of 2 Phase 4 – Phase 4FS) AREA4	Construction Area 1B (Phase 1 or 1) AREA5	Construction Area 2B (Part 1 of 2 Phase 2) AREA6	Construction Area 2B and 3B (Part 2 of 2 Phase 2) AREA7	Construction Area 3B (Phase 3) AREA8	Construction Area 4B and Area 2B/4B (Phase 4) AREA9	Construction Area 4B (Phase 4FS) AREA10	Road Segment 1 LINE1	Road Segment 2 LINE2	w/Actual Emissions (us/m2)	w/Actual Emissions (us/m2)	w/Actual Emissions (us/m2)	w/Actual Emissions (us/m2)	w/Actual Emissions (us/m2)	w/Actual Emissions (us/m2)	w/Actual Emissions (us/m2)	w/Actual Emissions (us/m2)	w/Actual Emissions (us/m2)	w/Actual Emissions (us/m2)	w/Actual Emissions (us/m2)	w/Actual Emissions (us/m2)	PM2.5 (us/m3)	Total
551763.51	4172840.85	64602.40637	19983.34295	65769.74448	58997.55675	40837.01097	5357.08567	61830.48958	81016.26788	27676.37438	524616.22872	87627.14487	7526.49873	0.87988	0.86566	1.35E-02	4.33E-03	2.05E-02	1.61E-02	5.18E-03	6.88E-04	3.65E-02	3.13E-03	1.07E-02	3.93E-02	4.32E-02	3.71E-03	4.11E-04	4.10E-04	1.96381-01
551760.24	4172831.56	63953.06858	56620.45345	57681.10085	58791.23814	40979.1095	51644.11565	69400.80907	21236.35628	486221.61588	99583.36673	8865.56885	0.89405	0.88882	1.36E-02	3.98E-03	1.58E-02	6.52E-03	6.40E-04	3.09E-02	2.61E-03	8.35E-03	3.65E-02	4.01E-02	3.46E-03	4.15E-04	4.11E-04	1.66281-01
551785.57	4172857.1	64715.16533	137656.05793	45188.73925	50959.7695	20351.38892	6226.30248	80196.12675	10544.76826	26588.68984	491024.60533	46279.66112	8691.89829	0.76061	0.7526	1.66E-02	5.45E-03	1.41E-02	1.39E-02	2.60E-03	4.90E-03	8.66E-03	2.77E-02	9.92E-03	5.58E-02	5.45E-03	2.40E-02	5.66E-03	5.41E-03	2.70981-01
551568.65	4172899.36	64589.97169	131158.59897	46826.12438	37572.77952	20135.4203	6500.17825	83007.17385	10908.17672	27475.3851	744924.21133	110311.93649	4594.55997	0.88015	0.87241	1.68E-02	5.51E-03	1.44E-02	1.41E-02	2.68E-03	4.96E-03	8.96E-03	2.77E-02	9.92E-03	5.60E-02	5.45E-03	2.40E-02	5.66E-03	5.41E-03	2.70981-01
551565.43	4172864.93	64467.87805	108774.61102	46134.40206	56346.10038	39609.76135	337201.81783	98536.9892	62431.58858	2638.7479	838777.88486	120401.70964	43646.06748	12.35368	13.54158	1.81E-03	3.46E-02	1.44E-03	1.54E-02	5.10E-04	4.33E-03	8.98E-03	2.43E-02	1.02E-03	6.39E-02	5.93E-03	2.35E-02	5.65E-03	6.42E-03	1.94581-01
551562.21	4172895.98	64599.49966	47413.13472	45913.19048	41916.96335	29989.06749	141717.0949	54700.21539	27095.95668	51926.21589	1318478807	38845.05408	11.98866	13.47263	1.78E-03	3.48E-02	1.43E-03	1.55E-02	5.39E-04	4.38E-03	2.11E-02	1.09E-02	1.03E-03	6.43E-02	6.49E-03	2.35E-02	5.62E-03	6.49E-03	1.96E-01
551756.98	4172822.27	62121.234	103775.77459	38914.57823	55231.30509	61063.48572	44514.6105	40794.006	57418.86225	14498.50852	427662.24139	113485.7243	9228.59513	0.91281	0.91182	1.87E-03	3.24E-03	1.22E-02	1.51E-02	7.88E-03	5.72E-04	2.41E-02	2.22E-03	5.60E-03	3.31E-02	5.59E-02	3.97E-03	4.33E-04	4.32E-04	1.70981-01
551558.98	4172977.03	63977.03	13841.17443	46687.69275	77587.17648	64610.02431	1.85E-05	1.85E-05	1.85E-05	1.85E-05	1.85E-05	1.85E-05	1.85E-05	1.85E-05	1.85E-05	1.85E-05	1.85E-05	1.85E-05	1.85E-05	1.85E-05	1.85E-05	1.85E-05	1.85E-05	1.85E-05	1.85E-05	1.85E-05	1.85E-05	1.85E-05	1.85E-05	1.85E-05	1.97781-01
551555.76	4172868.07	135774.4385	83764.12702	49932.92204	89276.52398	66512.18449	240727.07486	135918.84775	41103.59444	28480.07336	912312.24581	41772.84775	41103.59444	28480.07336	1.51E-02	2.68E-03	2.62E-02	1.56E-03	2.44E-02	1.56E-03	2.44E-02	1.56E-03	2.44E-02	1.56E-03	2.44E-02	1.56E-03	2.44E-02	1.56E-03	2.44E-02	1.56E-03	1.96981-01
551552.53	4172841.92	73403.10118	51133.134	99318.34882	48857.46591	31789.38888	132668.81369	107003.70767	22138.06969	15703.70097	512586.61166	17966.0928	27901.4077	11.88167	13.24135	1.97E-03	3.29E-02	1.58E-03	1.46E-02	6.28E-04	3.79E-03	1.13E-02	1.23E-02	8.07E-03	6.70E-02	1.39E-02	1.53E-02	6.28E-03	4.95E-03	1.60581-01
551782.31	4172847.81	67443.58143	115383.23949	47264.15402	50617.93772	24026.89985	5609.1368	64373.25066	9195.19041	25338.88138	474685.85795	53930.07467	3594.99839	0.77782	0.78707	1.31E-02	4.89E-03	1.48E-02	1.38E-02	3.16E-03	7.27E-04	3.80E-02	3.55E-03	9.79E-03	3.56E-02	2.66E-02	3.86E-03	3.63E-04	3.63E-04	1.68981-01
551753.71	4172832.98	56016.56154	98.59	29632.85624	52328.79969	38984.87889	1.63E-05	1.63E-05	1.63E-05	1.63E-05	1.63E-05	1.63E-05	1.63E-05	1.63E-05	1.63E-05	1.63E-05	1.63E-05	1.63E-05	1.63E-05	1.63E-05	1.63E-05	1.63E-05	1.63E-05	1.63E-05	1.63E-05	1.63E-05	1.63E-05	1.63E-05	1.63E-05	1.63E-05	1.59881-01
551572.47	4172827.61	139731.0185	86793.41386	38995.35237	34418.80548	31195.81892	49321.13777	36095.4856	65291.25079	22502.86277	479143.38551	8958.03988	92168.19777	0.91881	1.08633	1.72E-03	3.10E-02	1.22E-03	8.00E-03	4.11E-04	6.30E-03	8.15E-03	2.52E-02	8.69E-04	2.59E-02	4.61E-02	2.66E-03	4.56E-03	5.15E-03	1.65681-01
551779.04	4172838.52	53879.43835	31065.5877	46665.53071	50278.81348	29816.58586	5098.49256	51794.98055	78869.97528	22327.28138	453191.01746	62323.64113	6988.50663	0.78985	0.78042	1.35E-02	4.13E-03	1.46E-02	1.37E-02	3.85E-03	6.55E-04	3.36E-02	3.04E-03	8.62E-03	3.40E-02	3.07E-02	3.46E-03	3.69E-04	3.70E-04	1.58981-01
551754.44	4172803.69	52224.16239	8861.49007	29861.58426	49606.35004	29241.37852	87238.7286	31349.58746	49112.29062	19554.90011	95317.70963	37083.36466	24.2563	0.56103	1.96E-03	3.92E-02	1.38E-03	1.51E-02	1.61E-03	1.98E-03	1.98E-03	9.65E-03	5.11E-04	1.85E-02	1.98E-03	5.55E-02	5.89E-03	2.75E-03	4.58E-04	4.57E-04	1.51081-01
551539.63	4172823.29	11866.7035	54143.56489	125369.5648	59013.00997	48865.25896	118082.2091	21352.60272	30645.09146	10186.2379	292483.70021	19206.40191	41.13665	12.89334	2.30E-03	1.13E-02	1.66E-03	3.42E-03	7.26E-04	1.01E-03	6.97E-03	6.24E-03	1.48E-03	1.58E-02	2.04E-03	7.84E-02	1.71E-02	1.81E-02	5.77E-03	4.82E-01
551541.27	4172831.45	60799.75131	43693.3302	49649.59111	50219.51665	32021.51485	12021.11485	32559.16713	1.85E-05	1.85E-05	1.85E-05	1.85E-05	1.85E-05	1.85E-05	1.85E-05	1.85E-05	1.85E-05	1.85E-05	1.85E-05	1.85E-05	1.85E-05	1.85E-05	1.85E-05	1.85E-05	1.85E-05	1.85E-05	1.85E-05


Construction Health Risk Assessment Files


Construction Health Risk Assessment Files

551521.42	417835.56	628L 5090	132351.5149	1566.65578	12488.1148	11080.0356	1504.58082	171258.5819	6855.68.28	80088.89981	925.94087	11260.64447	4236.7628	20266.6758	1.9613	1.5867	1.2E-03	4.13E-03	5.04E-04	3.03E-04	1.93E-04	2.20E-03	3.70E-03	3.03E-03	3.57E-04	8.44E-04	2.08E-03	9.98E-03	7.32E-04	7.54E-04	4.04E-02
551539.95	417857.98	643L 0418	136575.5285	1566.655578	9800.41233	1408.00322	1860.2.79027	4109.49.07	77233.56437	8975667.1	10194.72266	5808.76187	2183L 08168	1.78449	1.8237L	1.2E-03	3.96E-03	4.86E-04	2.70E-04	1.81E-04	2.39E-03	3.38E-03	2.98E-03	3.46E-04	7.64E-04	1.88E-03	1.08E-02	8.36E-04	8.64E-04	4.01E-02
551440.51	417858.71	552L 0918L	31725.818	1089.488482	23427.46508	2349.94634	6830.60636	5121.38879	66123.7541	1184.27437	18475.36521	9935.19861	8627.1.8934	1.177	1.1097	1.0E-03	3.66E-03	6.59E-04	6.13E-04	3.02E-04	8.79E-04	3.66E-03	6.59E-04	3.13E-03	4.57E-04	1.39E-03	4.01E-03	4.25E-03	1.09E-03	6.21E-04	4.13E-02
551499.7	417804.14	603L 5328	136446.44101	1661.81839	12798.02446	1638.97032	1494883.6164	6998.78877	81537.75555	9503.94975	12460.03139	4862.0977	17943.7938	1.35486	1.1831	1.1E-03	4.26E-03	5.19E-04	3.50E-04	2.11E-04	1.92E-03	3.40E-03	3.13E-03	3.67E-04	9.34E-04	2.40E-03	8.98E-03	6.37E-04	6.55E-04	4.05E-02
551477.48	417859.15	498L 8685	3567.7405	1677.06575	27608.9128	3619.87313	1978..7.7828	4914.4559	41027.9821	11564.89014	162315.2577	18889.50637	5611.39821	1.40409	1.4700A	1E-03	5.24E-03	7.74E-04	5.04E-04	5.11E-04	3.90E-03	5.34E-03	5.24E-03	1.23E-03	5.01E-03	3.56E-03	1.58E-03	5.84E-04	6.07E-04	4.29E-02
551821.5	417731.87	798L 0983	3798.0931	4914.50193	18456.1.7687	12884.34105	1906.41297	7874.9066	21394.66615	23663.32765	12148.46744	23609.53765	3566.88924	0.53063	0.5305E	1.5E-03	1.19E-03	1.54E-03	1.50E-03	1.67E-03	2.45E-04	4.65E-03	8.26E-04	9.12E-04	9.11E-03	1.16E-02	1.30E-03	8.22E-04	4.48E-04	4.01E-02
551439.87	417899.52	523L 6169	10206.34694	2294.78431	24288.1.2173	2565.81007	1927.2435	5737.28314	12.28.1172	5737.28314	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03
551666.73	417840.59	588L 6812	140308.33013	1768.30531	16098.31825	1879.28219	1075435.9743	6031.6732	83611.61145	9918.02033	149081.14832	6181.3293	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03
551463.51	417831.64	588L 1048	139889.98599	1771.13364	16938.19988	1917.3896	1077749.6838	6095.70057	83274.51577	10053.80947	150824.0152	6568.10978	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135
551884.91	417255.47	953D 3.53E	3070.43054	6725.41925	17585.50795	8847.68899	2313.6398	5955.79097	31465.6243	3446.21574	14022.20664	16507.36208	3140.93179	0.40002	0.3996A	1.8E-03	6.38E-03	2.10E-03	4.81E-03	1.14E-03	2.97E-04	5.47E-03	1.23E-03	1.33E-03	1.05E-02	8.13E-03	1.35E-03	1.87E-04	1.89E-04	4.04E-02
551865.05	417801.14	1005L 0553	3894.14093	4785.8162	19362.03377	10534.33122	2004.6003	6752.55923	34.64.6.1	4016.72648	15052.81097	19582.1.7.1	3.2E-03	3.2E-03	3.2E-03	3.2E-03	3.2E-03	3.2E-03	3.2E-03	3.2E-03	3.2E-03	3.2E-03	3.2E-03	3.2E-03	3.2E-03	3.2E-03	3.2E-03	3.2E-03	3.2E-03	3.2E-03	3.2E-03
551711.38	417806.27	1085L 6411	8888.53797	1273.55009	5523.82997	1021.91777	2000.58857	1178.43234	48201.01386	753.25886	5619.27546	1948.2.7.1	2183L 08168	2583.51	2.0787	1.2E-03	5.09E-03	7.14E-04	5.18E-04	4.82E-04	3.98E-03	5.16E-03	4.28E-03	1.98E-03	2.91E-04	4.31E-03	1.98E-03	2.91E-04	4.31E-03	1.98E-03	2.91E-04
551660.28	417822.69	583L 3748	13896.68602	1784.15629	17048.1.1805	1965.61528	9801.47197	9859.9423	82373.59057	10113.18418	152981.13668	6830.13784	1226L 1938	1.2266	1.1E-03	4.34E-03	5.57E-04	4.66E-04	2.50E-04	1.26E-03	3.40E-03	3.18E-03	3.46E-03	3.46E-04	1.15E-03	3.56E-03	6.03E-03	5.64E-04	5.82E-04	4.12E-02
551407.62	417813.74	579L 8253	13788.97236	1772.67266	17526.17508	1952.24107	10048.39788	9816.57307	80972.85215	10159.67719	7098.62897	11450.17218	1.1901	1.1E-03	4.23E-03	5.61E-04	4.58E-04	2.53E-04	1.23E-03	1.24E-03	3.46E-03	3.13E-03	3.56E-03	3.56E-04	1.17E-03	3.50E-03	5.91E-03	5.79E-04	6.12E-04	4.07451-02
551325.14	417273.58	1081L 5743	6655.53063	5854.75203	15145.6954	4274.17336	1538.5745	11250.53751	39993.25444	31904.54323	13124.61763	12485.86396	4286.17975	0.35985	0.3981E	2.4E-03	2.0E-03	7.39E-04	1.54E-03	1.23E-03	9.08E-03	2.11E-03	1.68E-03	1.17E-03	9.88E-03	6.15E-03	2.11E-03	1.68E-03	1.17E-03	4.11E-02
551453.83	417804.78	597F 5698	13661.55837	1818.06556	19332.17592	2001.7891	10066.5488	9504.84405	79372.52744	10003.56423	150414.19164	6568.64481	1.2967	1.1E-03	4.23E-03	5.61E-04	4.58E-04	2.53E-04	1.23E-03	1.24E-03	3.46E-03	3.13E-03	3.56E-03	3.56E-04	1.17E-03	3.50E-03	5.91E-03	5.79E-04	6.12E-04	4.07451-02
551437.28	417829.75	539D 6257	13133.59312	2091.10647	22410.76498	2344.92211	6488.4237	5884.4702	62742.29693	11833.36909	181767.8733	10164.49126	8196.78439	1.2563	1.2895E	1.0E-03	3.48E-03	6.53E-04	6.12E-04	3.01E-04	8.33E-04	3.38E-03	2.42E-03	4.57E-04	1.36E-03	5.01E-03	4.06E-03	5.89E-04	6.11E-04	4.23681-02
551444.16	417813.14	1238L 5939	13189.97337	2091.10313	22410.76504	2344.92211	6488.42404	5940.44641	63065.57961	11916.61558	183054.5888	10164.49126	8196.78439	1.2563	1.3E-03	4.23E-03	5.61E-04	4.58E-04	2.53E-04	1.24E-03	3.46E-03	3.13E-03	3.56E-03	3.56E-04	1.17E-03	3.50E-03	5.91E-03	5.79E-04	6.12E-04	4.07451-02
551524.51	417844.15	638.R 8143	13715.56598	1571.44614	10537.06408	1455.68376	16092..4595	6270.39895	77081.17078	9033.31831	137402.51163	4940.4099	19988.85101	1.6213	1.5876L	1.2E-03	3.97E-03	4.91E-04	2.88E-04	1.87E-04	2.21E-03	3.71E-03	3.01E-03	2.98E-03	3.49E-04	8.05E-04	2.15E-03	9.82E-03	7.34E-04	7.56E-04	3.91E-02
551484.22	417859.15	599L 6246	13988.98599	1771.13364	16938.19988	1917.3896	41380.56914	6270.39895	83274.51577	10053.80947	150824.0152	6568.10978	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135
551639.42	417837.33	933D 0228	4887.68791	5423.92468	14613.4385	13414.42868	2979.3162	8192.69892	30091.60437	2825.62456	10770.15871	20347.01304	4036.07853	0.64979	0.6836I	1.8E-03	1.15E-03	1.69E-03	3.95E-04	1.47E-03	3.83E-04	5.40E-03	1.14E-03	1.09E-03	8.07E-03	1.00E-02	1.39E-03	3.03E-04	3.14E-04	3.92861-02
551450.61	417895.83	1370L 5705	14019.15997	18556.15276	23586.58851	13548.49408	3045.5025	9727.68445	31755.87201	3164.810554	9434.11586	10677.49378	7634.11.98	0.76495	0.7649E	1.1E-03	1.25337	1.81E-03	1.58E-03	1.53E-03	1.51E-03	5.22E-03	1.08E-03	1.38E-03	2.05E-03	6.21E-03	3.26E-03	1.53E-03	1.58E-03	4.13281-02
551460.65	417870.83	878D 9786	3949.5844	2338.77302	26235.09118	56100.09789	6012.53161	4556.5752	40900.01482	12810.06786	17438.141	5181.75256	1.3587K	1.4269I	1.3E-03	2.28E-03	1.58E-03	4.65E-04	1.78E-03	2.17E-03	4.64E-03	9.38E-04	2.18E-03	1.58E-03	4.95E-04	1.18E-02	8.59E-03	2.76E-03	6.37E-04	4.12281-02
551574.14	417519.3	665L 8088	10945.27117	13778.17958	16512.70359	6012.70359	1856.69.35	6744.59824	60.68.80062	5217.4455	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03
551633.65	417890.55	509D 7878	8681.38305	21159.0844	23602.0227.8	25583.43068	1542.48038	9036.66838	53914.6898	12160.69799	176873.6644	11747.51381	9220.70872	1.27828	1.3174S	1.9E-03	2.06E-03	6.79E-04	6.45E-04	3.23E-04	7.12E-04	2.97E-03	2.08E-03	4.57E-04	1.33E-03	5.78E-03	3.46E-03	5.98E-04	6.24E-04	4.13281-02
551440.92	417866.54	1238L 5440	13179.67864	1698.11116	16400.81728	1765.14415	9801.52211	8228.16057	55737.22681	10356.56157	157222.6881	6598.19331	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135
551593.86	417877.05	1328L 1708	6681.9477	5260.87311	14201.2679	9103.1.84	3342.3834	12998.15368	40186.82837	2910.31307	15463.10439	5402.0.2.99	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135
551703.28	417811.81	1021D 0.8.E	8972.69735	12503.01913	15395.51683	15395.51683	8509.3.88	4776.95527	31411.49153	5418.97177	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03
551524.13	417201.31	573K 1.76B	6038.91109	3069.74309	23805.8665	1348.50139	1648.67.68	5576.5661	35760.6453	1675.98199	145082.54419	18506.03205	4531.79402	0.9633	0.9853I	1.1E-03	3.94E-03	9.59E-04	6.50E-04	6.87E-04	4.43E-04	3.35E-03	1.38E-03	6.47E-04	1.09E-02	9.12E-03	2.28E-03	4.42E-04	4.57E-04	4.01481-02
551837.73	417873.1	795F 3.88E	8658.13876	5104.59834	17706.03.8.8	1778.03.8.8	1648.67.68	5576.5661	35760.6453	1675.98199	145082.54419	18506.03205	4531.79402	0.9633	0.9853I	1.1E-03	3.94E-03	9.59E-04	6.50E-04	6.87E-04	4.43E-04	3.35E-03	1.38E-03	6.47E-04	1.09E-02	9.12E-03	2.28E-03	4.42E-04	4.57E-04	4.01481-02
551527.6	417852.53	613L 0706	12175.76763	15208.20261	10020.96496	14090.06697	1604.0.359	8145.7.0545	73874.88853	8703.06905	102210.59244	3877.40568	3590.0877	1.5615S	1.5802	1.1E-03	3.43E-03	4.70E-04	2.70E-04	1.45E-04	2.03E-03	3.40E-03	2.89E-03	3.39E-04	7.56E-04	1.91E-03	9.91E-03	7.32E-04	7.54E-04	3.80781-02
551487.45	417859.15	599L 5738	13411.04873	1771.13364	16938.19988	1917.3896	10066.5488	9512.38052	84719.23256	10053.80947	150824.0152	6568.10978	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135
551403.83	417811.82	508L 4063	3691.0914	2958.53212	21835.7849	2354.38604	5836.3934	5373.6845	55988.8002	11604.81385	171649.6123	10461.24605	7561.63073	1.3561	1.2350I	1.9E-03	1.43E-03	1.69E-03	1.62E-03	1.43E-03	3.50E-04	5.70E-03	1.07E-03	1.27E-03	1.07E-03	7.14E-03	9.86E-03	1.97E-03	2.88E-04	2.99E-04	3.77721-02
551546.65	417876.72	1228L 6938	14567.13996	1809.8113	16744.07859	6299.22184	6893.93739	5911.75842	56419.0.7.1	10593.57.9	154.75842	6716.17607	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135
551597.99	417859.97	543D 5305	11705.47288	1914.76756	16744.07.8.1	7046.19306	9234.38538	6655.61138	59871.0573	10597.5713	167511.19915	8695.52258	8877.6329	1.2616	1.1803	1.2E-03	4.23E-03	5.61E-04	4.58E-04	2.53E-04	1.23E-03	3.46E-03	3.13E-03	3.56E-03	3.56E-04	1.17E-03	3.50E-03	5.91E-03	5.79E-04	6.12E-04	4.07451-02
551514.57	417851.85	1054D 5774	13995.67147	1849.58025	15401.86317	6703.40952	1856.16439	3567.31.98	35810.88485	5202.10767	13140.93371	13374.364	3605.32015	0.36033	0.3674E	1.1E-03	1.84E-03	1.87E-03	4.21E-04	8.61E-04	3.56E-04	6.26E-03	1.38E-03	1.24E-03	9.91E-03	6.59E-03	1.78E-03	1.71E-04	1.73E-04	3.86861-02
551568.31	417860.58	588D 5779	13395.41068	1769.57883	16117.69128	1845.64652	6208106.6656	9954.93701	77466.7531	9844.6708	147.9.7.1	6329.11376	8178.73218	1.7045	1.7045A	1.8E-03	6.38E-03	2.10E-03	4.81E-03	1.14E-03	2.97E-04	5.47E-03	1.23E-03	1.33E-03	1.05E-02	8.13E-03	1.35E-03	1.87E-04	1.89E-04	4.04E-02
551477.86	417846.05	601D 2915	4019.2815	2409.0887	25576.6721	3832.17066	978.40648	3865.1497	11919.34485	11452.64082	157941.6698	4690.67519	12393.6	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135
551557.67	417865.75	1228L 6938	14567.13996	1809.8113	16744.07859	6299.22184	6893.93739	5911.75842	56419.0.7.1	10593.57.9	154.75842	6716.17607	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135
551636.31	417821.58	763L 6178	9108.6633	12893.24916	63336.6228	10873.90305	2137.29701	8224.3074	5382.95046	7L.122	6454.91498	2656.94846	26900.3091	8.22.92	8.7747	1.4E-03	4.05E-03	4.03E-04	1.73E-04	1.40E-04	2.75E-03	4.42E-03	2.08E-03	2.91E-04	4.84E-04	1.31E-03	1.28E-02	3.86E-03	4.16E-03	4.02861-02
551566.07	417859.15	599L 6246	13988.98599	1771.13364	16938.19988	1917.3896	10066.5488	9504.84405	79372.52744	10003.56423	150414.19164	6568.10978	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135
551468	417294.42	466Z 0608	3970.9827	2236.67003	25287.8208	3302.57994	4187.9128	4039.9363	42061.9178	2311.51388	11624.92084	3187.40568	2590.8877	0.31581	0.3158E	1.2E-03	2.33E-03	6.99E-04	4.90E-04	2.33E-03	6.99E-04	4.90E-04	2.33E-03	3.98E-04	2.98E-03	1.39E-03	4.75E-04	1.17E-02	7.95E-02	4.01481-02
551444.47	417851.15	1328L 6938	14567.13996	1809.8113	16744.07859	6299.22184	6893.93739	5911.75842	56419.0.7.1	10593.57.9	154.75842	6716.17607	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135
551434.05	417860.37	681L 5971	8591.2703	21534.8234	23915.8029	27335.30213	4956.4653	8794.23609	48339.40205	11994.34285	166885.63221	13106.15088	6605.19812	1.2637	1.3097	1.9E-03	2.06E-03	6.79E-04	6.53E-04	3.51E-04	6.36E-04	2.89E-03	1.43E-03	4.63E-04	1.25E-02	6.66E-03	3.31E-03	5.92E-04	6.20E-04	4.02861-02
551874.27	417843.31	1328L 6938	14567.13996	1809.8113	16744.07859	6299.22184	6893.93739	5911.75842	56419.0.7.1	10593.57.9	154.75842	6716.17607	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135
551583.21	417803.64	667L 3.36D	10368.87769	13711.88091	15763.11176	12030.43061	7487.27823	8709.30975	102210.59244	3877.40568	3590.0877	1.5615S	1.5802	1.1E-03	3.43E-03	4.70E-04	2.70E-04	1.45E-04	2.03E-03	3.40E-03	2.89E-03	3.39E-04	7.56E-04	1.91E-03	9.91E-03	7.32E-04	7.54E-04	3.80781-02
551403.83	417811.82	508L 4063	3691.0914	2958.53212	21835.7849	2354.38604	5836.3934	5373.6845	55988.8002	11604.81385	171649.6123	10461.24605	7561.63073	1.3561	1.2350I	1.9E-03	1.43E-03	1.69E-03	1.62E-03	1.43E-03	3.50E-04	5.70E-03	1.07E-03	1.27E-03	1.07E-03	7.14E-03	9.86E-03	1.97E-03	2.88E-04	2.99E-04	3.77721-02
551546.65	417876.72	1228L 6938	14567.13996	1809.8113	16744.07859	6299.22184	6893.93739	5911.75842	56419.0.7.1	10593.57.9	154.75842	6716.17607	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135
551597.99	417859.97	543D 5305	11705.47288	1914.76756	16744.07.8.1	7046.19306	9234.38538	6655.61138	59871.0573	10597.5713	167511.19915	8695.52258	8877.6329	1.2616	1.1803	1.2E-03	4.23E-03	5.61E-04	4.58E-04	2.53E-04	1.23E-03	3.46E-03	3.13E-03	3.56E-03	3.56E-04	1.17E-03	3.50E-03	5.91E-03	5.79E-04	6.12E-04	4.07451-02
551514.69	417851.85	1054D 5774	13995.67147	1849.58025	15401.86317	6703.40952	1856.16439	3567.31.98	35810.88485	5202.10767	13140.93371	13374.364	3605.32015	0.36033	0.3674E	1.1E-03	1.84E-03	1.87E-03	4.21E-04	8.61E-04	3.56E-04	6.26E-03	1.38E-03	1.24E-03	9.91E-03	6.59E-03	1.78E-03	1.71E-04	1.73E-04	3.86861-02
551626.93	417881.43	853L 3095	4959.3648	4916.21508	14488.2758	10124.5336	2952.2956	9815.5928	2982.3455	2585.50145	10754.90493	18424.39583	3885.73486	0.59373	0.6183I	1.6E-03	1.16E-03	1.54E-03	1.36E-03	1.56E-03	3.79E-04	4.97E-03	1.15E-03	1.98E-03	8.06E-03	9.08E-03	1.96E-03	2.80E-04	2.90E-04	3.71681-02
551512.15	417873.58	1328L 6938	14567.13996	1809.8113	16744.07859	6299.22184	6893.93739	5911.75842	56419.0.7.1	10593.57.9	154.75842	6716.17607	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135
551530.69	417861.32	609L 5503	11640.30551	1484.52335	9549.38052	1363.65206	1610.60407	854.17098	5124.61723	7065.65681	854.7798	97240.61214	3722.52797	1911.03188	0.1586	1.5E-03	1.19E-03	1.54E-03	1.50E-03	1.67E-03	2.45E-04	4.65E-03	8.26E-04	9.12E-04	9.11E-03	1.16E-02	1.30E-03	8.22E-04	4.48E-04	4.01E-02
551440.68	417901.57	1328L 6938	14567.13996	1809.8113	16744.07859	6299.22184	6893.93739	5911.75842	56419.0.7.1	10593.57.9	154.75842	6716.17607	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135
551431.24	417842.04	523E 7758	8744.0576	1941.70175	20118.86468	21866.6122	6405.6046	5216.6416	60828.89973	11006.60884	166083.12844	8696.13268	1.13389	1.1836	1.1E-03	4.13E-03	5.04E-04	3.03E-04	1.93E-04	2.20E-03	3.70E-03	3.03E-03	3.57E-04	8.44E-04	2.08E-03	9.98E-03	7.32E-04	7.54E-04	4.04E-02
551292.32	417864.95	1140D 9759	6141.6297	5516.85568	14473.3048	10882.0984	1123.315	6603.84102	29941.6174	12522.27737	11081.25865	3998.1035	14882.4	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135
551554.55	417901.88	1328L 6938	14567.13996	1809.8113	16744.07859	6299.22184	6893.93739	5911.75842	56419.0.7.1	10593.57.9	154.75842	6716.17607	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135
551889.16	417296.53	854L 0212	6659.37486	6659.37486	83766.5709	2198.06409	8316.8196	2895.79224	3097.5772	12997.96394	15380.23814	2931.63626	0.38523	0.3850I	1.6E-03	1.89E-03	4.52E-04	1.08E-03	2.78E-04	4.91E-04	1.12E-03	1.20E-03	9.74E-03	7.67E-03	1.46E-03	1.81E-04	1.82E-04	3.74281-02
551515.24	417847.48	1328L 6938	14567.13996	1809.8113	16744.07859	6299.22184	6893.93739	5911.75842	56419.0.7.1	10593.57.9	154.75842	6716.17607	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135	1.2135
551407.48	417837.42	568L 1477	10774.86425	15686.66716	12048.4133	1565.74345	5716.1166	7318.65039	896.24551	11705.62164	2852.13902	1130.38537	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03	1.3E-03
551647.27	417801.96	1018L 2162	6112.63145	7484.18853	19481.8848	3048.83317	2800.24604	3553.38537	16637.95468	1821.75431	5277.65437	1.5737	1.1E-03	4.26E-03	5.61E-04	4.58E-04	2.53E-04	1.24E-03	3.46E-03	3.13E-03	3.56E-03	3.56E-04	1.17E-03	3.50E-03	5.91E-03	5.79E-04	6.12E-04	4.07451-02
551725.04	417838.86	1083E 6227	801.0971	1211.09144	5173.88517	974..4581	11906.86458	11179.75969	44209.99179	716.47567	52403.94745	2288.1108	2273L 9269	2.4036	2.3247	1.3E-03	2.44E-03	3.78E-04	1.41


Construction Health Risk Assessment Files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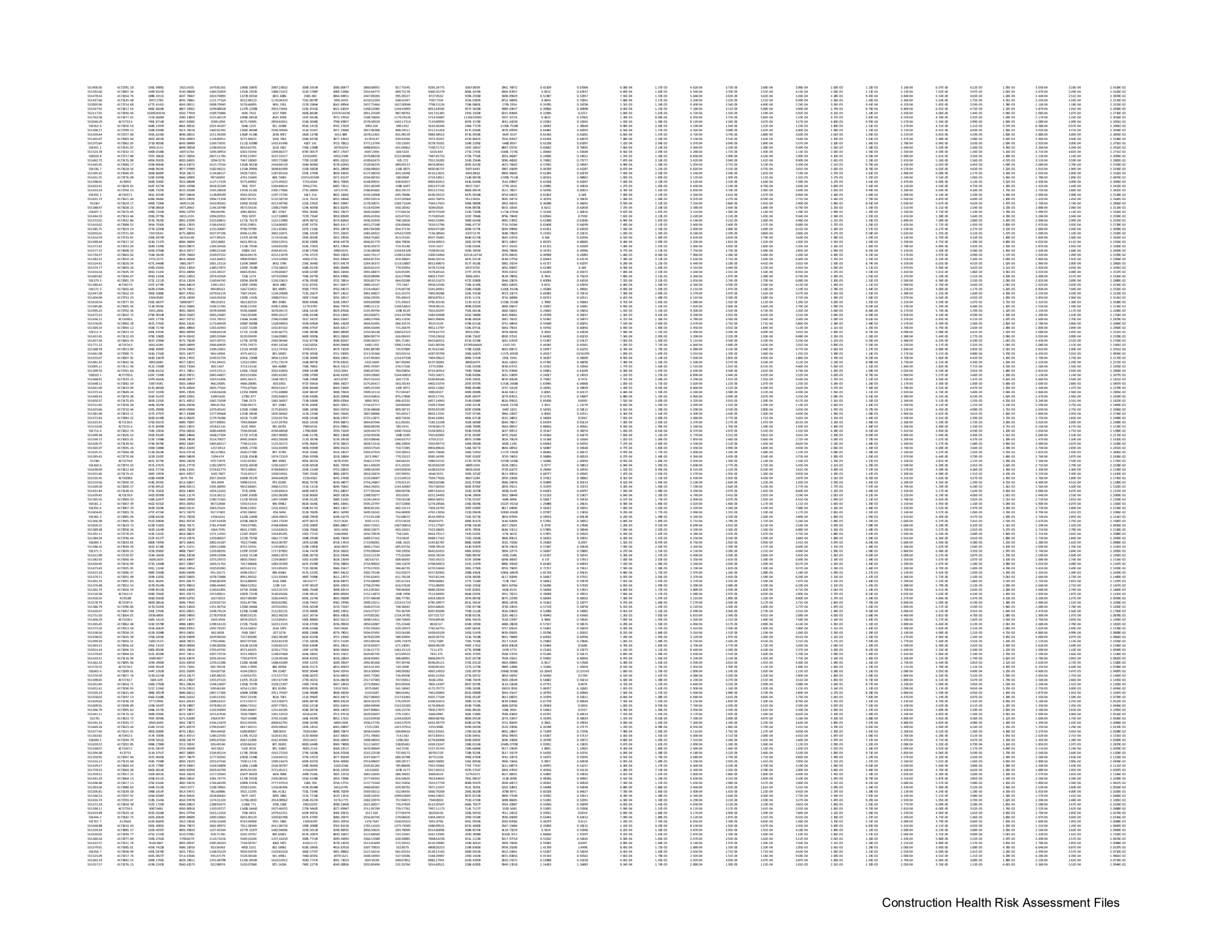
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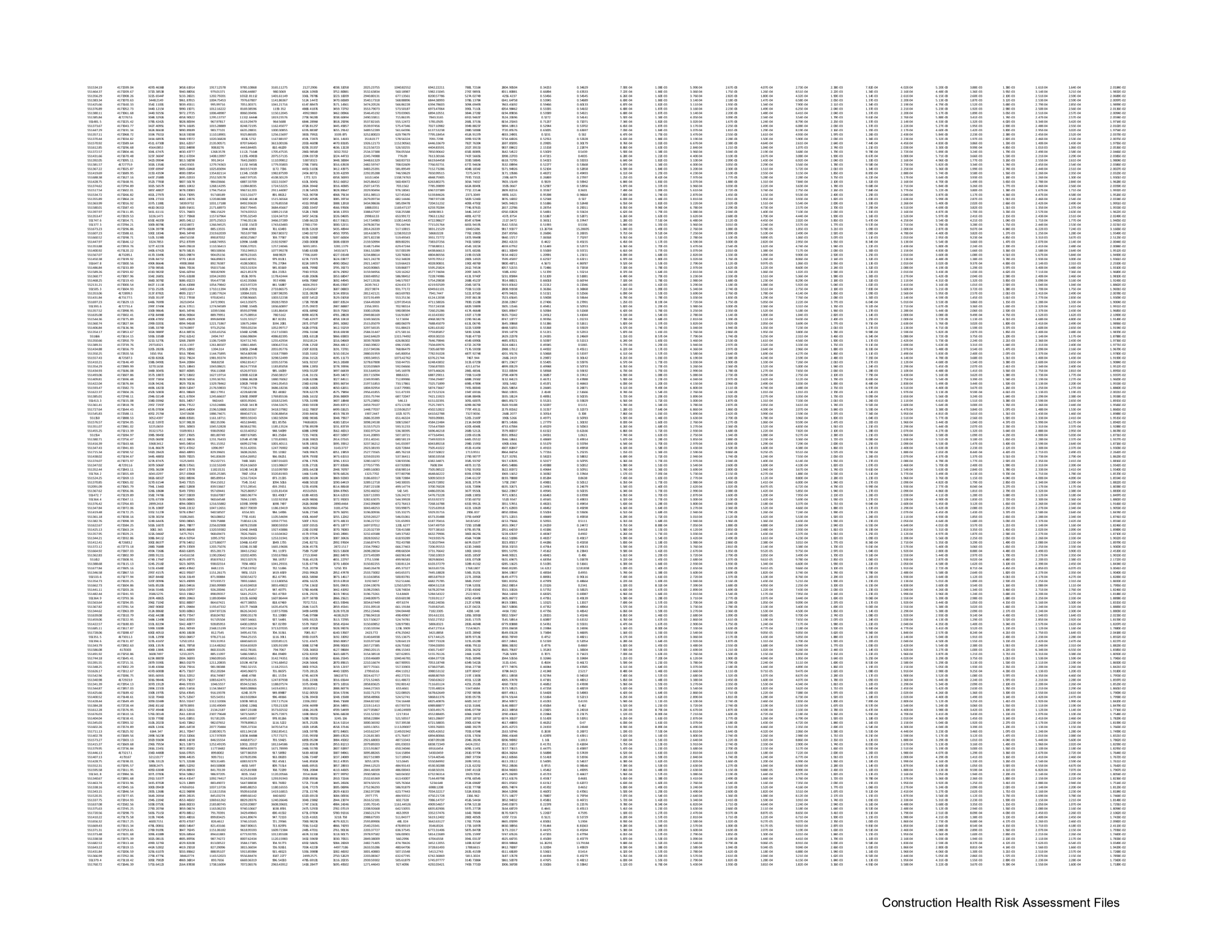
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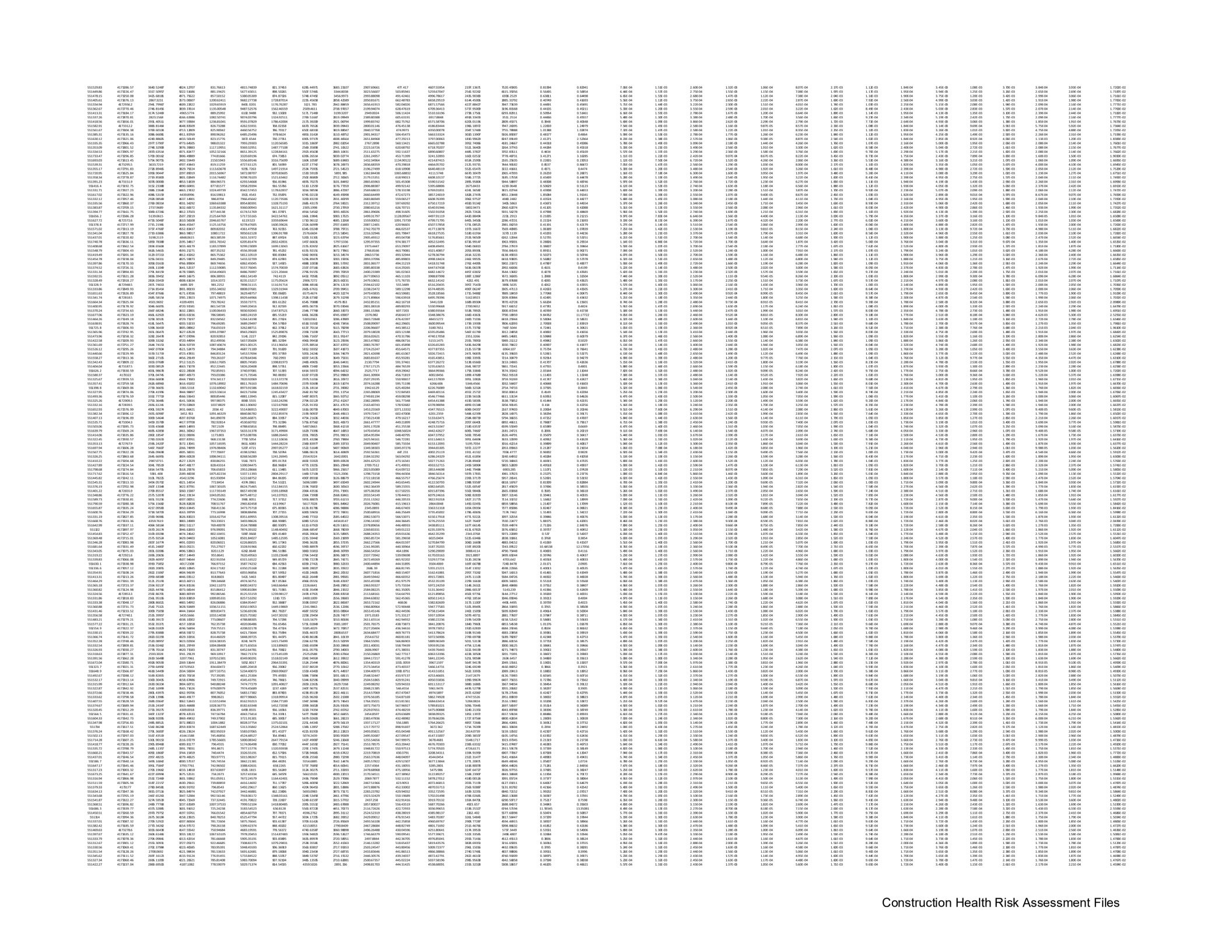
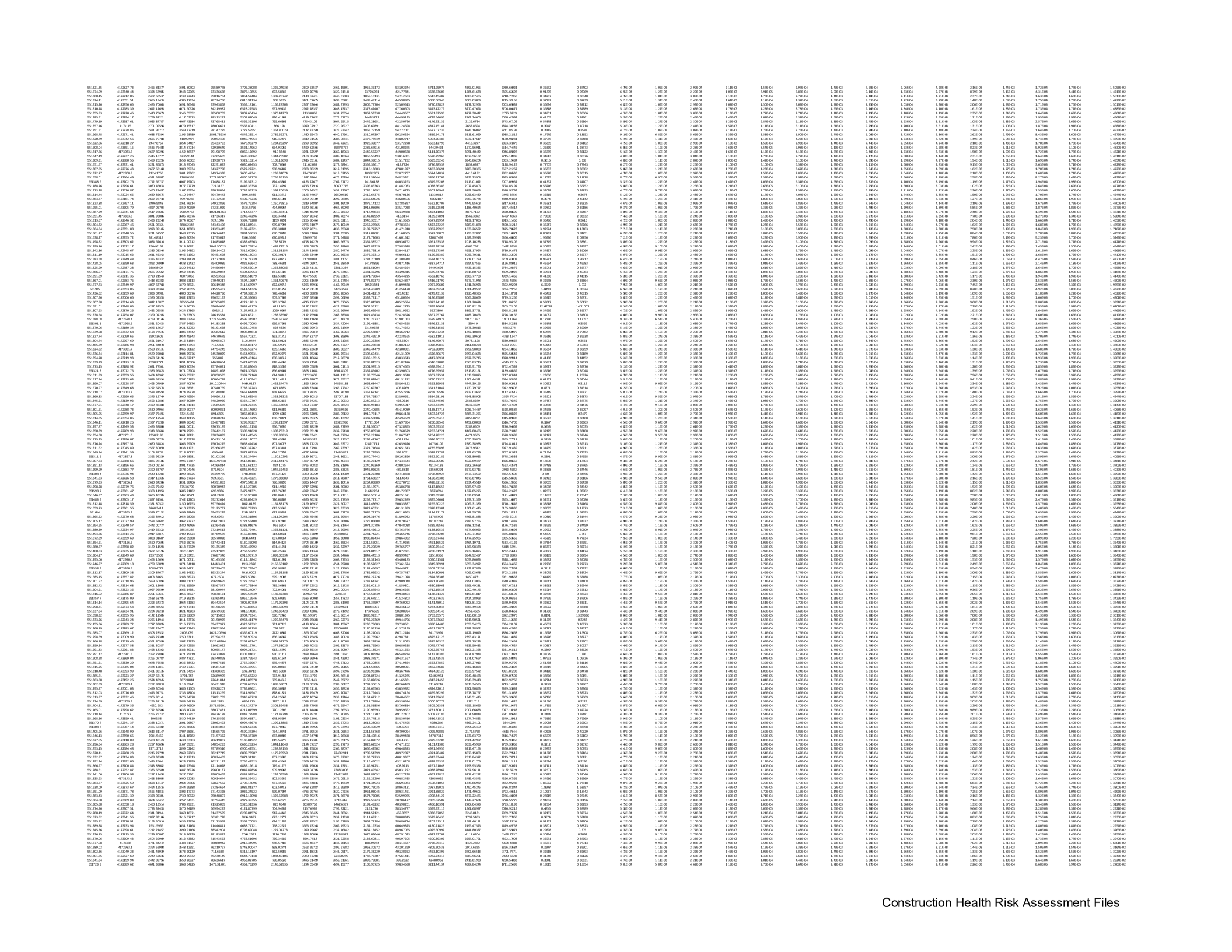
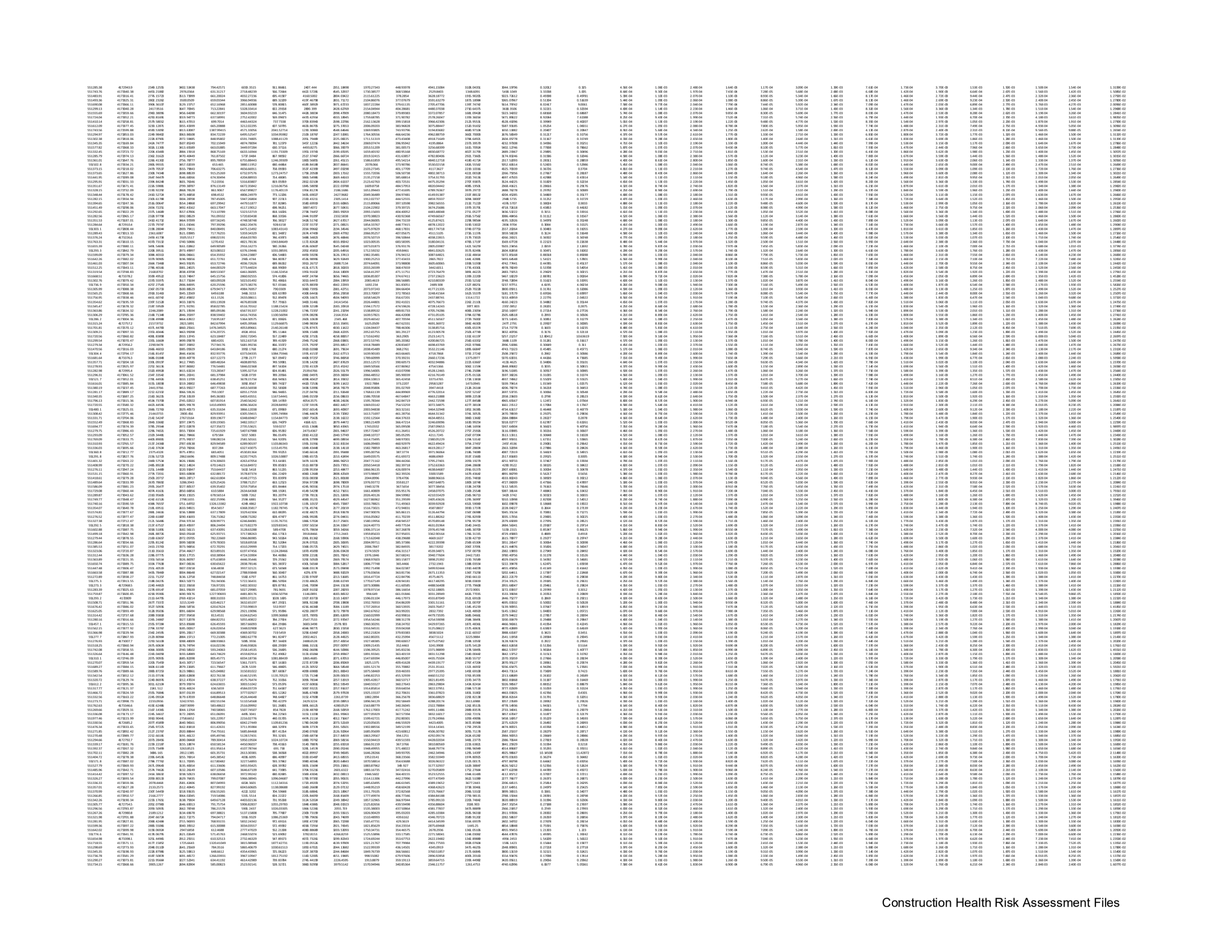


Construction Health Risk Assessment Files



Construction Health Risk Assessment Files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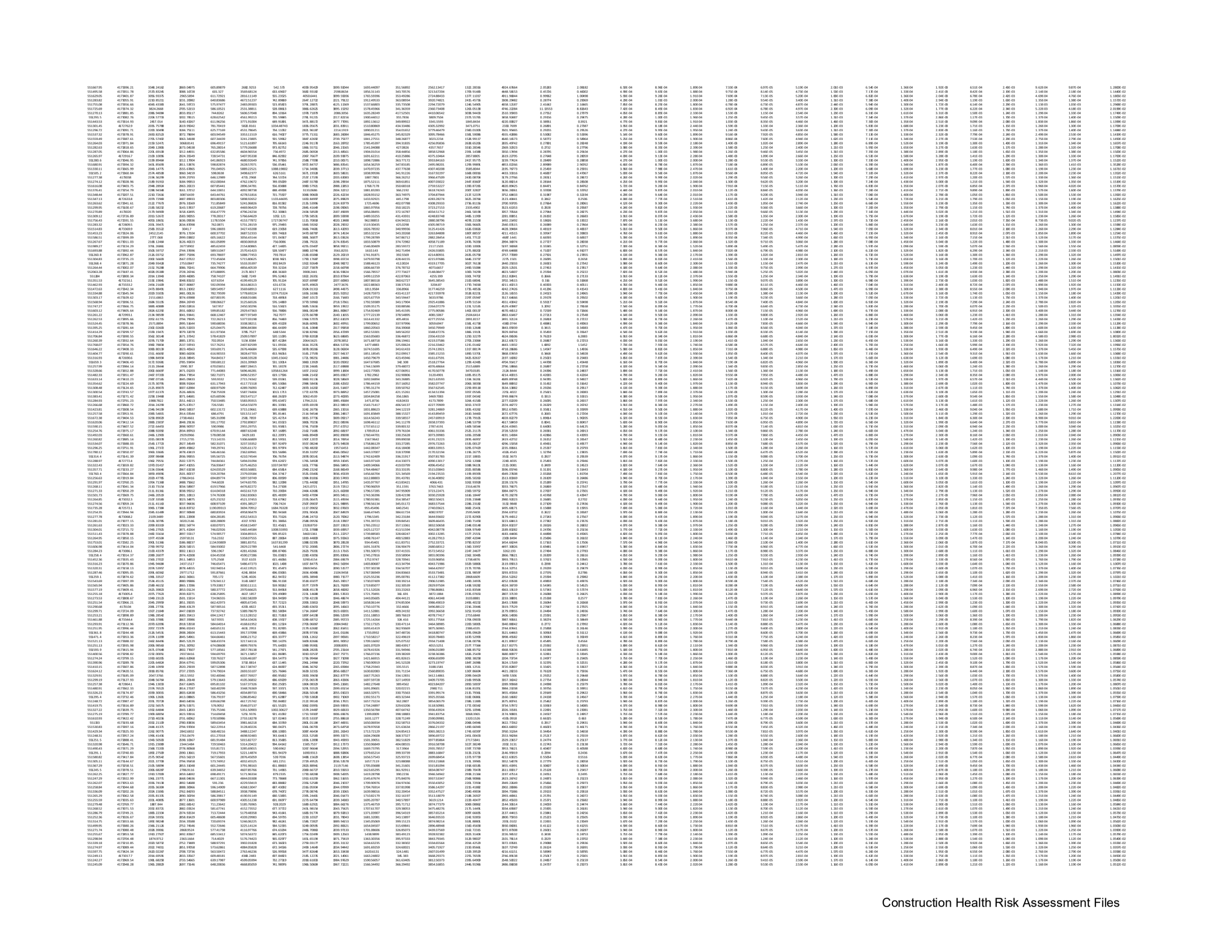
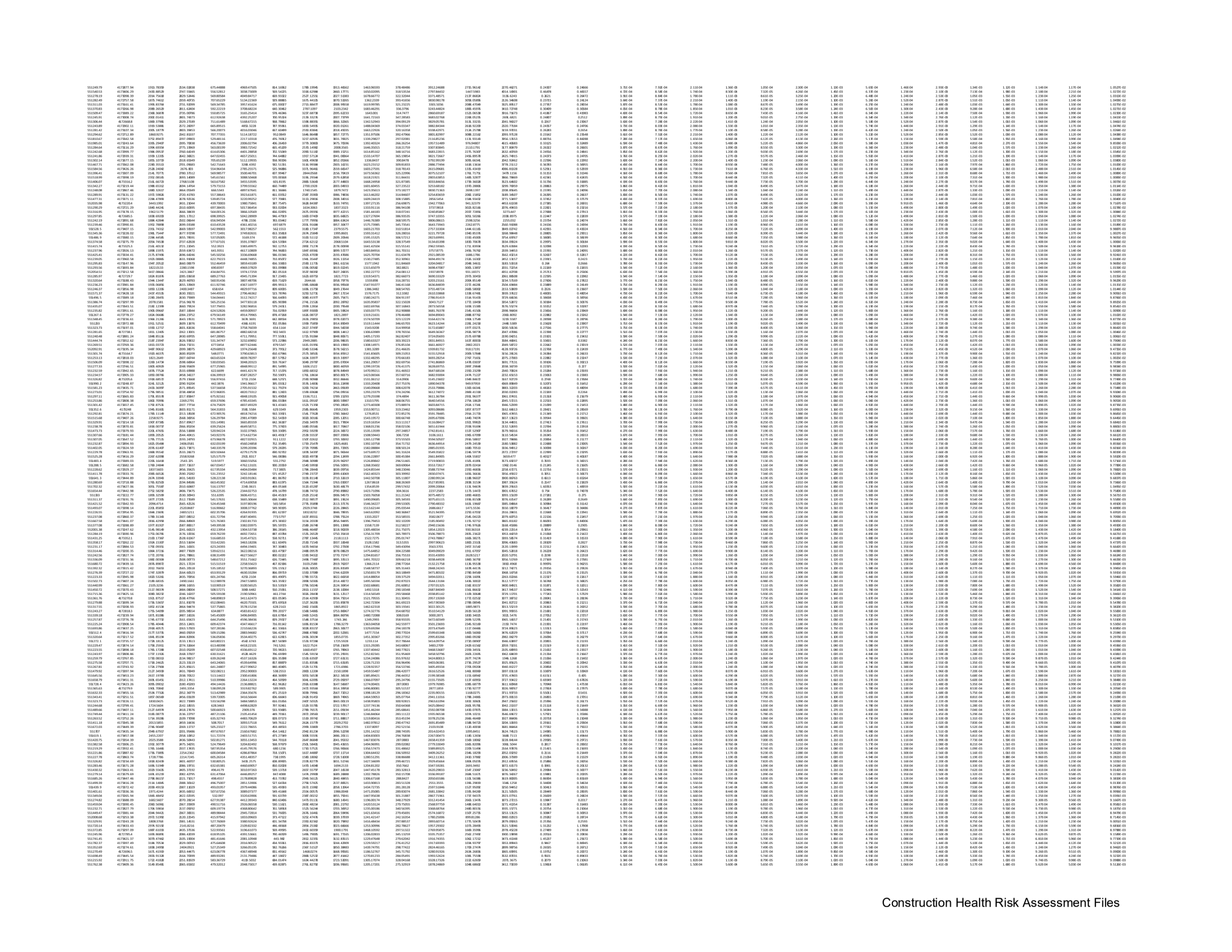


Construction Health Risk Assessment Files


Construction Health Risk Assessment Files

Scenario 2

Existing Phase 2 Receptors—Midway Village Project

Summary Offsite Construction Emissions (No Mitigation)

		Route 1 - From the project site towards US-101	
		Route 2 - From US-101 towards the project site	
Total Average Offsite Vehicle Emissions Along Travel Distance (g/sec)			
DPM		**DPM**	
Road Segment 1 Phase 1—Demolition	7.66093E-07	Road Segment 1 Phase 1—Demolition	2.05881E-05
Road Segment 2 Phase 1—Demolition	1.54931E-06	Road Segment 2 Phase 1—Demolition	2.08182E-05
Road Segment 1 Phase 1—Construction	4.72844E-06	Road Segment 1 Phase 1—Construction	1.16131E-04
Road Segment 2 Phase 1—Construction	4.79746E-06	Road Segment 2 Phase 1—Construction	1.17429E-04

Scenario				
Existing Phase 2 Receptors: Exposed to Phase 1 Demolition and Phase 1 Construction	Road Segment 1	5.49454E-06	Road Segment 1	1.36719E-04
	Road Segment 2	6.34678E-06	Road Segment 2	1.38247E-04

Cancer Risk Calculations Using OEHHA/BAAQMD Cancer Risk Assumptions
Existing Phase 2 Receptors—Midway Village Project
Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Infant
UTM: 551717.25 4172890.87

Cancer Potency Factor: 1.1 $(mg/kg\text{-}day)^{-1}$
Exposure Frequency 350 days/year
Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
3rd Trimester	0.466984169	10	361	0.85	0.25	5.4
0-1	0.466984169	10	1,090	0.85	0.68	44.3
					Total	49.65

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
3rd Trimester	0.031589852	10	361	0.85	0.25	0.4
0-1	0.031589852	10	1,090	0.85	0.68	3.0
					Total	3.36

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Child
UTM: 551717.25 4172890.87

Cancer Potency Factor: 1.1 $(mg/kg\text{-}day)^{-1}$
Exposure Frequency 350 days/year
Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Construction Period	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
All Phases	0.466984169	3	572	1	0.93	11.2
					Total	11.21

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Construction Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
All Phases	0.031589852	3	572	1	0.93	0.8
					Total	0.76

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Adult
UTM: 551717.25 4172890.87

Cancer Potency Factor: 1.1 $(mg/kg\text{-}day)^{-1}$
Exposure Frequency 350 days/year
Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Construction Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
All Phases	0.466984169	1	261	0.73	0.93	1.2
					Total	1.25

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Construction Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
All Phases	0.031589852	1	261	0.73	0.93	0.1
					Total	0.084

Existing Phase 2 Receptors—Midway Village Project

Estimates of Chronic Non-Cancer Hazard Index (CNCHI)

Unmitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM: 5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
551717.25	4172890.87	0.4670	0.4670	0.09340

Unmitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
551717.25	4172890.87	0.5911	0.5911

Mitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM: 5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
551717.25	4172890.87	0.0316	0.0316	0.00632

Mitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
551717.25	4172890.87	0.1557	0.1557

Existing Phase 2 Receptors—Midway Village Project

Construction Annual DPM Emissions (PM2.5 Exhaust)

Unmitigated Concentrations

Annual Average Onsite DPM Rate—Demolition Area 1A (Phase 1) (grams/m2/sec):	1.46E-06
Annual Average Onsite DPM Rate—Construction Area 1B (Phase 1) (grams/m2/sec):	9.48E-07
Annual Average Offsite DPM Emission Rate - Road Segment 1 (grams/sec):	5.49E-06
Annual Average Offsite DPM Emission Rate - Road Segment 2 (grams/sec):	6.35E-06

		Unit Emissions Demolition Area 1A (Phase 1)	Unit Emissions Construction Area 1B (Phase 1)	Unit Emissions	Unit Emissions					
						Annual DPM Exhaust	Annual DPM Exhaust	Annual DPM Exhaust	Annual DPM Exhaust	**Total**
				Road Segment 1	Road Segment 2	w/Actual Emissions	w/Actual Emissions	w/Actual Emissions	w/Actual Emissions	**DPM**
X	Y	AREA2	AREA8	LINE1	LINE2	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	**(ug/m3)**
551717.25	4172890.87	189488.7774	200867.3043	1.18432	1.16461	2.77E-01	1.90E-01	6.51E-06	7.39E-06	4.6698E-01
551734.05	4173023.09	189586.9875	184135.9886	1.20989	1.19226	2.77E-01	1.75E-01	6.65E-06	7.57E-06	4.5127E-01
551709.45	4172893.99	177371.0694	187380.8749	1.252	1.23026	2.59E-01	1.78E-01	6.88E-06	7.81E-06	4.3651E-01
551734.96	4173037.77	161830.3745	155342.1522	1.23949	1.22111	2.36E-01	1.47E-01	6.81E-06	7.75E-06	3.8346E-01
551699.31	4172897.89	148600.3725	156482.4383	1.34993	1.32522	2.17E-01	1.48E-01	7.42E-06	8.41E-06	3.6524E-01
551736.19	4173046.34	147208.1645	140132.7696	1.25101	1.23227	2.15E-01	1.33E-01	6.87E-06	7.82E-06	3.4771E-01
551717.53	4173024.62	121058.8721	117473.1016	1.38804	1.36586	1.77E-01	1.11E-01	7.63E-06	8.67E-06	2.8806E-01
551727.97	4172863.96	107928.0841	113964.2659	1.1285	1.10987	1.58E-01	1.08E-01	6.20E-06	7.04E-06	2.6557E-01
551684.15	4172907.46	102475.8911	105700.5412	1.51938	1.48967	1.50E-01	1.00E-01	8.35E-06	9.45E-06	2.4978E-01
551708.05	4173024.01	96825.70694	94201.70612	1.50705	1.48157	1.41E-01	8.93E-02	8.28E-06	9.40E-06	2.3063E-01
551681.29	4172897.32	90820.23852	94108.22623	1.56398	1.53203	1.33E-01	8.92E-02	8.59E-06	9.72E-06	2.2178E-01
551723.55	4172849.41	78354.34262	82091.53493	1.19918	1.17769	1.14E-01	7.78E-02	6.59E-06	7.47E-06	1.9219E-01
551705.82	4172857.59	78182.99615	81767.42505	1.38939	1.35934	1.14E-01	7.75E-02	7.63E-06	8.63E-06	1.9164E-01
551676.61	4172888.22	77588.60074	80415.9829	1.64832	1.61197	1.13E-01	7.62E-02	9.06E-06	1.02E-05	1.8949E-01
551696.2	4172861.22	73990.50985	77232.13464	1.50839	1.47195	1.08E-01	7.32E-02	8.29E-06	9.34E-06	1.8122E-01
551696.13	4173024.93	74360.01898	72561.77371	1.69302	1.66198	1.09E-01	6.88E-02	9.30E-06	1.05E-05	1.7733E-01
551685.02	4172863.04	65324.89106	67910.99855	1.67578	1.63078	9.54E-02	6.44E-02	9.21E-06	1.04E-05	1.5974E-01
551667.23	4172981.92	58326.21423	57967.05867	2.01725	1.97172	8.51E-02	5.49E-02	1.11E-05	1.25E-05	1.4010E-01
551675.02	4173008.95	56547.65002	55692.9637	2.02529	1.9816	8.25E-02	5.28E-02	1.11E-05	1.26E-05	1.3535E-01
551671.39	4173000.11	56441.45747	55761.54439	2.04651	2.00119	8.24E-02	5.29E-02	1.12E-05	1.27E-05	1.3526E-01
551678.4	4173018.57	55672.09666	54647.98617	2.01643	1.97387	8.13E-02	5.18E-02	1.11E-05	1.25E-05	1.3308E-01
551655.53	4172985.04	46856.31361	46560.81857	2.35018	2.28886	6.84E-02	4.41E-02	1.29E-05	1.45E-05	1.1255E-01
551678.08	4173037.77	47031.60603	45942.55815	2.17803	2.1307	6.87E-02	4.35E-02	1.20E-05	1.35E-05	1.1222E-01
551670.13	4173040.53	40804.96278	39915.83224	2.45163	2.39124	5.96E-02	3.78E-02	1.35E-05	1.52E-05	9.7422E-02
551642.79	4172988.94	37783.53604	37537.00871	2.90684	2.80544	5.52E-02	3.56E-02	1.60E-05	1.78E-05	9.0762E-02
551638.89	4172973.08	37209.64011	37106.93371	2.87402	2.77242	5.43E-02	3.52E-02	1.58E-05	1.76E-05	8.9517E-02
551635.25	4172958.26	36756.14155	36784.02187	2.83917	2.74241	5.37E-02	3.49E-02	1.56E-05	1.74E-05	8.8548E-02
551661.57	4173042.97	35386.35307	34666.79183	2.85371	2.77112	5.17E-02	3.29E-02	1.57E-05	1.76E-05	8.4542E-02
551653.31	4173045.72	31080.25762	30484.92215	3.40582	3.29139	4.54E-02	2.89E-02	1.87E-05	2.09E-05	7.4300E-02
551638.33	4173050.92	24927.21715	24494.26971	5.15616	4.92621	3.64E-02	2.32E-02	2.83E-05	3.13E-05	5.9660E-02
551612.94	4173004.75	23442.75279	23259.14359	7.22231	6.69459	3.42E-02	2.20E-02	3.97E-05	4.25E-05	5.6346E-02
551608.05	4172989.15	23400.08762	23280.76094	7.08838	6.54906	3.42E-02	2.21E-02	3.89E-05	4.16E-05	5.6302E-02
551604.58	4172979.84	23042.15985	22962.18036	7.15614	6.59763	3.36E-02	2.18E-02	3.93E-05	4.19E-05	5.5478E-02
551602.24	4172969.7	22994.35218	22954.42916	6.83281	6.31528	3.36E-02	2.18E-02	3.75E-05	4.01E-05	5.5398E-02
551622.73	4173035.63	22796.15063	22494.17281	7.32335	6.86701	3.33E-02	2.13E-02	4.02E-05	4.36E-05	5.4678E-02
551617.84	4173026.46	22631.23818	22371.76483	7.85653	7.31329	3.30E-02	2.12E-02	4.32E-05	4.64E-05	5.4327E-02
551627.32	4173054.59	21553.90882	21203.87087	7.75623	7.31196	3.15E-02	2.01E-02	4.26E-05	4.64E-05	5.1647E-02

CONCUNIT ug/ m^3
DEPUNIT g/m^ 2

Unmitigated DPM Concentrations

Maximum DPM (ug/m3)	**MIR UTM X**	**MIR UTM Y**
4.6698E-01	551717.25	4172890.87

MIR
UTM 551717.25 4172890.87
Latitude, Longitude 37°42'06.5"N 122°24'47.9"W

Existing Phase 2 Receptors—Midway Village Project

Construction Annual Total PM2.5 Emissions (PM2.5 Total)

Unmitigated Concentrations

Annual Average Onsite Total PM2.5 Emission Rate—Demolition Area 1A (Phase 1) (grams/m2/sec):	1.59E-06
Annual Average Onsite Total PM2.5 Emission Rate—Construction Area 1B (Phase 1) (grams/m2/sec):	1.44E-06
Annual Average Offsite Total PM2.5 Emission Rate - Road Segment 1 (grams/sec):	1.37E-04
Annual Average Offsite Total PM2.5 Emission Rate - Road Segment 2 (grams/sec):	1.38E-04

X	Y	Unit Emissions Demolition Area 1A (Phase 1) AREA2	Unit Emissions Construction Area 1B (Phase 1) AREA8	Unit Emissions Road Segment 1 LINE1	Unit Emissions Road Segment 2 LINE2	Demolition Area 1A (Phase 1) Annual PM2.5 w/Actual Emissions (ug/m3)	Construction Area 1B (Phase 1) Annual PM2.5 w/Actual Emissions (ug/m3)	Road Segment 1 Annual PM2.5 w/Actual Emissions (ug/m3)	Road Segment 2 Annual PM2.5 w/Actual Emissions (ug/m3)	**Total PM2.5 (ug/m3)**
551717.25	4172890.87	189488.7774	200867.3043	1.18432	1.16461	3.02E-01	2.89E-01	1.62E-04	1.61E-04	5.9114E-01
551734.05	4173023.09	189586.9875	184135.9886	1.20989	1.19226	3.02E-01	2.65E-01	1.65E-04	1.65E-04	5.6720E-01
551709.45	4172893.99	177371.0694	187380.8749	1.252	1.23026	2.82E-01	2.70E-01	1.71E-04	1.70E-04	5.5245E-01
551734.96	4173037.77	161830.3745	155342.1522	1.23949	1.22111	2.58E-01	2.24E-01	1.69E-04	1.69E-04	4.8157E-01
551699.31	4172897.89	148600.3725	156482.4383	1.34993	1.32522	2.36E-01	2.25E-01	1.85E-04	1.83E-04	4.6219E-01
551736.19	4173046.34	147208.1645	140132.7696	1.25101	1.23227	2.34E-01	2.02E-01	1.71E-04	1.70E-04	4.3641E-01
551717.53	4173024.62	121058.8721	117473.1016	1.38804	1.36586	1.93E-01	1.69E-01	1.90E-04	1.89E-04	3.6220E-01
551727.97	4172863.96	107928.0841	113964.2659	1.1285	1.10987	1.72E-01	1.64E-01	1.54E-04	1.53E-04	3.3618E-01
551684.15	4172907.46	102475.8911	105700.5412	1.51938	1.48967	1.63E-01	1.52E-01	2.08E-04	2.06E-04	3.1571E-01
551708.05	4173024.01	96825.70694	94201.70612	1.50705	1.48157	1.54E-01	1.36E-01	2.06E-04	2.05E-04	2.9015E-01
551681.29	4172897.32	90820.23852	94108.22623	1.56398	1.53203	1.45E-01	1.36E-01	2.14E-04	2.12E-04	2.8048E-01
551723.55	4172849.41	78354.34262	82091.53493	1.19918	1.17769	1.25E-01	1.18E-01	1.64E-04	1.63E-04	2.4324E-01
551705.82	4172857.59	78182.99615	81767.42505	1.38939	1.35934	1.24E-01	1.18E-01	1.90E-04	1.88E-04	2.4255E-01
551676.61	4172888.22	77588.60074	80415.9829	1.64832	1.61197	1.23E-01	1.16E-01	2.25E-04	2.23E-04	2.3973E-01
551696.2	4172861.22	73990.50985	77232.13464	1.50839	1.47195	1.18E-01	1.11E-01	2.06E-04	2.03E-04	2.2938E-01
551696.13	4173024.93	74360.01898	72561.77371	1.69302	1.66198	1.18E-01	1.05E-01	2.31E-04	2.30E-04	2.2329E-01
551685.02	4172863.04	65324.89106	67910.99855	1.67578	1.63078	1.04E-01	9.78E-02	2.29E-04	2.25E-04	2.0221E-01
551667.23	4172981.92	58326.21423	57967.05867	2.01725	1.97172	9.28E-02	8.35E-02	2.76E-04	2.73E-04	1.7684E-01
551675.02	4173008.95	56547.65002	55692.9637	2.02529	1.9816	9.00E-02	8.02E-02	2.77E-04	2.74E-04	1.7074E-01
551671.39	4173000.11	56441.45747	55761.54439	2.04651	2.00119	8.98E-02	8.03E-02	2.80E-04	2.77E-04	1.7068E-01
551678.4	4173018.57	55672.09666	54647.98617	2.01643	1.97387	8.86E-02	7.87E-02	2.76E-04	2.73E-04	1.6784E-01
551655.53	4172985.04	46856.31361	46560.81857	2.35018	2.28886	7.46E-02	6.71E-02	3.21E-04	3.16E-04	1.4225E-01
551678.08	4173037.77	47031.60603	45942.55815	2.17803	2.1307	7.48E-02	6.62E-02	2.98E-04	2.95E-04	1.4160E-01
551670.13	4173040.53	40804.96278	39915.83224	2.45163	2.39124	6.49E-02	5.75E-02	3.35E-04	3.31E-04	1.2308E-01
551642.79	4172988.94	37783.53604	37537.00871	2.90684	2.80544	6.01E-02	5.41E-02	3.97E-04	3.88E-04	1.1497E-01
551638.89	4172973.08	37209.64011	37106.93371	2.87402	2.77242	5.92E-02	5.34E-02	3.93E-04	3.83E-04	1.1343E-01
551635.25	4172958.26	36756.14155	36784.02187	2.83917	2.74241	5.85E-02	5.30E-02	3.88E-04	3.79E-04	1.1223E-01
551661.57	4173042.97	35386.35307	34666.79183	2.85371	2.77112	5.63E-02	4.99E-02	3.90E-04	3.83E-04	1.0701E-01
551653.31	4173045.72	31080.25762	30484.92215	3.40582	3.29139	4.95E-02	4.39E-02	4.66E-04	4.55E-04	9.4281E-02
551638.33	4173050.92	24927.21715	24494.26971	5.15616	4.92621	3.97E-02	3.53E-02	7.05E-04	6.81E-04	7.6328E-02
551612.94	4173004.75	23442.75279	23259.14359	7.22231	6.69459	3.73E-02	3.35E-02	9.87E-04	9.26E-04	7.2714E-02
551608.05	4172989.15	23400.08762	23280.76094	7.08838	6.54906	3.72E-02	3.35E-02	9.69E-04	9.05E-04	7.2639E-02
551604.58	4172979.84	23042.15985	22962.18036	7.15614	6.59763	3.67E-02	3.31E-02	9.78E-04	9.12E-04	7.1626E-02
551602.24	4172969.7	22994.35218	22954.42916	6.83281	6.31528	3.66E-02	3.31E-02	9.34E-04	8.73E-04	7.1456E-02
551622.73	4173035.63	22796.15063	22494.17281	7.32335	6.86701	3.63E-02	3.24E-02	1.00E-03	9.49E-04	7.0621E-02
551617.84	4173026.46	22631.23818	22371.76483	7.85653	7.31329	3.60E-02	3.22E-02	1.07E-03	1.01E-03	7.0317E-02
551627.32	4173054.59	21553.90882	21203.87087	7.75623	7.31196	3.43E-02	3.05E-02	1.06E-03	1.01E-03	6.6907E-02
CONCUNIT ug/	m^3									
DEPUNIT g/m^	2									

Unmitigated PM2.5 Concentrations		
Maximum DPM (ug/m3)	**MIR UTM**	
	X	Y
5.9114E-01	551717.25	4172890.87

Existing Phase 2 Receptors—Midway Village Project

Construction Annual DPM Emissions (PM2.5 Exhaust)

Mitigated Concentrations

Annual Average Onsite DPM Rate—Demolition Area 1A (Phase 1) (grams/m2/sec): 6.24E-08
Annual Average Onsite DPM Rate—Construction Area 1B (Phase 1) (grams/m2/sec): 9.83E-08
Annual Average Offsite DPM Emission Rate - Road Segment 1 (grams/sec): 5.49E-06
Annual Average Offsite DPM Emission Rate - Road Segment 2 (grams/sec): 6.35E-06

X	Y	Unit Emissions Demolition Area 1A (Phase 1) AREA2	Unit Emissions Construction Area 1B (Phase 1) AREA8	Unit Emissions Road Segment 1 LINE1	Unit Emissions Road Segment 2 LINE2	Demolition Area 1A (Phase 1) Annual DPM Exhaust w/Actual Emissions (ug/m3)	Construction Area 1B (Phase 1) Annual DPM Exhaust w/Actual Emissions (ug/m3)	Road Segment 1 Annual DPM Exhaust w/Actual Emissions (ug/m3)	Road Segment 2 Annual DPM Exhaust w/Actual Emissions (ug/m3)	Total DPM (ug/m3)
551717.25	4172890.87	189488.7774	200867.3043	1.18432	1.16461	1.18E-02	1.97E-02	6.51E-06	7.39E-06	3.1590E-02
551734.05	4173023.09	189586.9875	184135.9886	1.20989	1.19226	1.18E-02	1.81E-02	6.65E-06	7.57E-06	2.9952E-02
551709.45	4172893.99	177371.0694	187380.8749	1.252	1.23026	1.11E-02	1.84E-02	6.88E-06	7.81E-06	2.9508E-02
551734.96	4173037.77	161830.3745	155342.1522	1.23949	1.22111	1.01E-02	1.53E-02	6.81E-06	7.75E-06	2.5389E-02
551699.31	4172897.89	148600.3725	156482.4383	1.34993	1.32522	9.28E-03	1.54E-02	7.42E-06	8.41E-06	2.4676E-02
551736.19	4173046.34	147208.1645	140132.7696	1.25101	1.23227	9.19E-03	1.38E-02	6.87E-06	7.82E-06	2.2981E-02
551717.53	4173024.62	121058.8721	117473.1016	1.38804	1.36586	7.56E-03	1.15E-02	7.63E-06	8.67E-06	1.9122E-02
551727.97	4172863.96	107928.0841	113964.2659	1.1285	1.10987	6.74E-03	1.12E-02	6.20E-06	7.04E-06	1.7954E-02
551684.15	4172907.46	102475.8911	105700.5412	1.51938	1.48967	6.40E-03	1.04E-02	8.35E-06	9.45E-06	1.6806E-02
551708.05	4173024.01	96825.70694	94201.70612	1.50705	1.48157	6.05E-03	9.26E-03	8.28E-06	9.40E-06	1.5323E-02
551681.29	4172897.32	90820.23852	94108.22623	1.56398	1.53203	5.67E-03	9.25E-03	8.59E-06	9.72E-06	1.4940E-02
551723.55	4172849.41	78354.34262	82091.53493	1.19918	1.17769	4.89E-03	8.07E-03	6.59E-06	7.47E-06	1.2976E-02
551705.82	4172857.59	78182.99615	81767.42505	1.38939	1.35934	4.88E-03	8.04E-03	7.63E-06	8.63E-06	1.2935E-02
551676.61	4172888.22	77588.60074	80415.9829	1.64832	1.61197	4.84E-03	7.90E-03	9.06E-06	1.02E-05	1.2768E-02
551696.2	4172861.22	73990.50985	77232.13464	1.50839	1.47195	4.62E-03	7.59E-03	8.29E-06	9.34E-06	1.2229E-02
551696.13	4173024.93	74360.01898	72561.77371	1.69302	1.66198	4.64E-03	7.13E-03	9.30E-06	1.05E-05	1.1795E-02
551685.02	4172863.04	65324.89106	67910.99855	1.67578	1.63078	4.08E-03	6.68E-03	9.21E-06	1.04E-05	1.0774E-02
551667.23	4172981.92	58326.21423	57967.05867	2.01725	1.97172	3.64E-03	5.70E-03	1.11E-05	1.25E-05	9.3634E-03
551675.02	4173008.95	56547.65002	55692.9637	2.02529	1.9816	3.53E-03	5.47E-03	1.11E-05	1.26E-05	9.0289E-03
551671.39	4173000.11	56441.45747	55761.54439	2.04651	2.00119	3.52E-03	5.48E-03	1.12E-05	1.27E-05	9.0292E-03
551678.4	4173018.57	55672.09666	54647.98617	2.01643	1.97387	3.48E-03	5.37E-03	1.11E-05	1.25E-05	8.8714E-03
551655.53	4172985.04	46856.31361	46560.81857	2.35018	2.28886	2.93E-03	4.58E-03	1.29E-05	1.45E-05	7.5298E-03
551678.08	4173037.77	47031.60603	45942.55815	2.17803	2.1307	2.94E-03	4.52E-03	1.20E-05	1.35E-05	7.4781E-03
551670.13	4173040.53	40804.96278	39915.83224	2.45163	2.39124	2.55E-03	3.92E-03	1.35E-05	1.52E-05	6.5000E-03
551642.79	4172988.94	37783.53604	37537.00871	2.90684	2.80544	2.36E-03	3.69E-03	1.60E-05	1.78E-05	6.0827E-03
551638.89	4172973.08	37209.64011	37106.93371	2.87402	2.77242	2.32E-03	3.65E-03	1.58E-05	1.76E-05	6.0042E-03
551635.25	4172958.26	36756.14155	36784.02187	2.83917	2.74241	2.29E-03	3.62E-03	1.56E-05	1.74E-05	5.9437E-03
551661.57	4173042.97	35386.35307	34666.79183	2.85371	2.77112	2.21E-03	3.41E-03	1.57E-05	1.76E-05	5.6504E-03
551653.31	4173045.72	31080.25762	30484.92215	3.40582	3.29139	1.94E-03	3.00E-03	1.87E-05	2.09E-05	4.9768E-03
551638.33	4173050.92	24927.21715	24494.26971	5.15616	4.92621	1.56E-03	2.41E-03	2.83E-05	3.13E-05	4.0237E-03
551612.94	4173004.75	23442.75279	23259.14359	7.22231	6.69459	1.46E-03	2.29E-03	3.97E-05	4.25E-05	3.8322E-03
551608.05	4172989.15	23400.08762	23280.76094	7.08838	6.54906	1.46E-03	2.29E-03	3.89E-05	4.16E-05	3.8300E-03
551604.58	4172979.84	23042.15985	22962.18036	7.15614	6.59763	1.44E-03	2.26E-03	3.93E-05	4.19E-05	3.7770E-03
551602.24	4172969.7	22994.35218	22954.42916	6.83281	6.31528	1.44E-03	2.26E-03	3.75E-05	4.01E-05	3.7697E-03
551622.73	4173035.63	22796.15063	22494.17281	7.32335	6.86701	1.42E-03	2.21E-03	4.02E-05	4.36E-05	3.7183E-03
551617.84	4173026.46	22631.23818	22371.76483	7.85653	7.31329	1.41E-03	2.20E-03	4.32E-05	4.64E-05	3.7017E-03
551627.32	4173054.59	21553.90882	21203.87087	7.75623	7.31196	1.35E-03	2.08E-03	4.26E-05	4.64E-05	3.5191E-03

CONCUNIT ug/ m^3
DEPUNIT g/m^ 2

Mitigated DPM Concentrations

Maximum DPM (ug/m3)	MIR UTM X	MIR UTM Y
3.1590E-02	551717.25	4172890.87

Existing Phase 2 Receptors—Midway Village Project

All Off-site Receptors: Exposed to Phases 1+2+3+4 Demolition and Phases 1+2+3+4 Construction
Construction Annual Total PM2.5 Emissions (PM2.5 Total) **Mitigated Concentrations**

Annual Average Onsite Total PM2.5 Emission Rate—Demolition Area 1A (Phase 1) (grams/m2/sec): 1.94E-07
Annual Average Onsite Total PM2.5 Emission Rate—Construction Area 1B (Phase 1) (grams/m2/sec): 5.90E-07
Annual Average Offsite Total PM2.5 Emission Rate - Road Segment 1 (grams/sec): 1.37E-04
Annual Average Offsite Total PM2.5 Emission Rate - Road Segment 2 (grams/sec): 1.38E-04

X	Y	Unit Emissions Demolition Area 1A (Phase 1) AREA2	Unit Emissions Construction Area 1B (Phase 1) AREA8	Unit Emissions Road Segment 1 LINE1	Unit Emissions Road Segment 2 LINE2	Demolition Area 1A (Phase 1) Annual PM2.5 w/Actual Emissions (ug/m3)	Construction Area 1B (Phase 1) Annual PM2.5 w/Actual Emissions (ug/m3)	Road Segment 1 Annual PM2.5 w/Actual Emissions (ug/m3)	Road Segment 2 Annual PM2.5 w/Actual Emissions (ug/m3)	**Total PM2.5 (ug/m3)**
551717.25	4172890.87	189488.7774	200867.3043	1.18432	1.16461	3.68E-02	1.19E-01	1.62E-04	1.61E-04	1.5567E-01
551734.05	4173023.09	189586.9875	184135.9886	1.20989	1.19226	3.68E-02	1.09E-01	1.65E-04	1.65E-04	1.4582E-01
551709.45	4172893.99	177371.0694	187380.8749	1.252	1.23026	3.44E-02	1.11E-01	1.71E-04	1.70E-04	1.4538E-01
551734.96	4173037.77	161830.3745	155342.1522	1.23949	1.22111	3.14E-02	9.17E-02	1.69E-04	1.69E-04	1.2344E-01
551699.31	4172897.89	148600.3725	156482.4383	1.34993	1.32522	2.88E-02	9.24E-02	1.85E-04	1.83E-04	1.2158E-01
551736.19	4173046.34	147208.1645	140132.7696	1.25101	1.23227	2.86E-02	8.27E-02	1.71E-04	1.70E-04	1.1163E-01
551717.53	4173024.62	121058.8721	117473.1016	1.38804	1.36586	2.35E-02	6.93E-02	1.90E-04	1.89E-04	9.3218E-02
551727.97	4172863.96	107928.0841	113964.2659	1.1285	1.10987	2.09E-02	6.73E-02	1.54E-04	1.53E-04	8.8527E-02
551684.15	4172907.46	102475.8911	105700.5412	1.51938	1.48967	1.99E-02	6.24E-02	2.08E-04	2.06E-04	8.2697E-02
551708.05	4173024.01	96825.70694	94201.70612	1.50705	1.48157	1.88E-02	5.56E-02	2.06E-04	2.05E-04	7.4810E-02
551681.29	4172897.32	90820.23852	94108.22623	1.56398	1.53203	1.76E-02	5.56E-02	2.14E-04	2.12E-04	7.3604E-02
551723.55	4172849.41	78354.34262	82091.53493	1.19918	1.17769	1.52E-02	4.85E-02	1.64E-04	1.63E-04	6.3992E-02
551705.82	4172857.59	78182.99615	81767.42505	1.38939	1.35934	1.52E-02	4.83E-02	1.90E-04	1.88E-04	6.3819E-02
551676.61	4172888.22	77588.60074	80415.9829	1.64832	1.61197	1.51E-02	4.75E-02	2.25E-04	2.23E-04	6.2976E-02
551696.2	4172861.22	73990.50985	77232.13464	1.50839	1.47195	1.44E-02	4.56E-02	2.06E-04	2.03E-04	6.0360E-02
551696.13	4173024.93	74360.01898	72561.77371	1.69302	1.66198	1.44E-02	4.28E-02	2.31E-04	2.30E-04	5.7726E-02
551685.02	4172863.04	65324.89106	67910.99855	1.67578	1.63078	1.27E-02	4.01E-02	2.29E-04	2.25E-04	5.3220E-02
551667.23	4172981.92	58326.21423	57967.05867	2.01725	1.97172	1.13E-02	3.42E-02	2.76E-04	2.73E-04	4.6086E-02
551675.02	4173008.95	56547.65002	55692.9637	2.02529	1.9816	1.10E-02	3.29E-02	2.77E-04	2.74E-04	4.4401E-02
551671.39	4173000.11	56441.45747	55761.54439	2.04651	2.00119	1.10E-02	3.29E-02	2.80E-04	2.77E-04	4.4426E-02
551678.4	4173018.57	55672.09666	54647.98617	2.01643	1.97387	1.08E-02	3.23E-02	2.76E-04	2.73E-04	4.3612E-02
551655.53	4172985.04	46856.31361	46560.81857	2.35018	2.28886	9.09E-03	2.75E-02	3.21E-04	3.16E-04	3.7216E-02
551678.08	4173037.77	47031.60603	45942.55815	2.17803	2.1307	9.13E-03	2.71E-02	2.98E-04	2.95E-04	3.6840E-02
551670.13	4173040.53	40804.96278	39915.83224	2.45163	2.39124	7.92E-03	2.36E-02	3.35E-04	3.31E-04	3.2147E-02
551642.79	4172988.94	37783.53604	37537.00871	2.90684	2.80544	7.33E-03	2.22E-02	3.97E-04	3.88E-04	3.0276E-02
551638.89	4172973.08	37209.64011	37106.93371	2.87402	2.77242	7.22E-03	2.19E-02	3.93E-04	3.83E-04	2.9902E-02
551635.25	4172958.26	36756.14155	36784.02187	2.83917	2.74241	7.13E-03	2.17E-02	3.88E-04	3.79E-04	2.9614E-02
551661.57	4173042.97	35386.35307	34666.79183	2.85371	2.77112	6.87E-03	2.05E-02	3.90E-04	3.83E-04	2.8105E-02
551653.31	4173045.72	31080.25762	30484.92215	3.40582	3.29139	6.03E-03	1.80E-02	4.66E-04	4.55E-04	2.4948E-02
551638.33	4173050.92	24927.21715	24494.26971	5.15616	4.92621	4.84E-03	1.45E-02	7.05E-04	6.81E-04	2.0683E-02
551612.94	4173004.75	23442.75279	23259.14359	7.22231	6.69459	4.55E-03	1.37E-02	9.87E-04	9.26E-04	2.0192E-02
551608.05	4172989.15	23400.08762	23280.76094	7.08838	6.54906	4.54E-03	1.37E-02	9.69E-04	9.05E-04	2.0159E-02
551604.58	4172979.84	23042.15985	22962.18036	7.15614	6.59763	4.47E-03	1.36E-02	9.78E-04	9.12E-04	1.9917E-02
551602.24	4172969.7	22994.35218	22954.42916	6.83281	6.31528	4.46E-03	1.36E-02	9.34E-04	8.73E-04	1.9820E-02
551622.73	4173035.63	22796.15063	22494.17281	7.32335	6.86701	4.42E-03	1.33E-02	1.00E-03	9.49E-04	1.9653E-02
551617.84	4173026.46	22631.23818	22371.76483	7.85653	7.31329	4.39E-03	1.32E-02	1.07E-03	1.01E-03	1.9683E-02
551627.32	4173054.59	21553.90882	21203.87087	7.75623	7.31196	4.18E-03	1.25E-02	1.06E-03	1.01E-03	1.8771E-02

CONCUNIT ug/ m^3
DEPUNIT g/m^ 2

Mitigated PM2.5 Concentrations		
Maximum		**MIR**
DPM		**UTM**
(ug/m3)	X	Y
1.5567E-01	551717.25	4172890.87

Scenario 3

Cancer Risk Calculations Using OEHHA/BAAQMD Cancer Risk Assumptions
Existing Phase 3 Receptors—Midway Village Project
Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Infant

UTM: 551661.39 4172861.8 *Highest residential receptor analyzed for infant scenario

UTM: 551661.39 4172861.8 *Highest residential receptor analyzed for infant scenario

Cancer Potency Factor: 1.1 $(mg/kg\text{-}day)^{-1}$
Exposure Frequency 350 days/year
Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
3rd Trimester	0.340927557	10	361	0.85	0.25	3.9
0-1	0.340927557	10	1,090	0.85	0.68	32.5
1-<2	0.340927557	10	1,090	0.85	0.00	0.0
2-<3	0.340927557	3	631	0.85	0.58	4.8
3-<4	0.340927557	3	631	0.85	0.42	3.4
4-<5	0.340927557	3	631	0.85	0.73	6.1
5-<6	0.340927557	3	631	0.85	0.44	3.7
					Total	54.35

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
3rd Trimester	0.03218291	10	361	0.85	0.25	0.4
0-1	0.03218291	10	1,090	0.85	0.68	3.1
1-<2	0.03218291	10	1,090	0.85	0.00	0.0
2-<3	0.03218291	3	631	0.85	0.58	0.4
3-<4	0.03218291	3	631	0.85	0.42	0.3
4-<5	0.03218291	3	631	0.85	0.73	0.6
5-<6	0.03218291	3	631	0.85	0.44	0.3
					Total	5.13

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Child
UTM: 551713.24 4172969.7

Cancer Potency Factor: 1.1 $(mg/kg\text{-}day)^{-1}$
Exposure Frequency 350 days/year
Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Construction Period	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
All Phases	0.340927557	3	572	1	3.10	27.3
					Total	27.34

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Construction Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
All Phases	0.03218291	3	572	1	3.10	2.6
					Total	2.58

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Adult
UTM: 551713.24 4172969.7

Cancer Potency Factor: 1.1 $(mg/kg\text{-}day)^{-1}$
Exposure Frequency 350 days/year
Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Construction Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
All Phases	0.340927557	1	261	0.73	3.10	3.0
					Total	3.04

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Construction Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
All Phases	0.03218291	1	261	0.73	3.10	0.3
					Total	0.287

Existing Phase 3 Receptors—Midway Village Project

Estimates of Chronic Non-Cancer Hazard Index (CNCHI)

Unmitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM: 5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
551713.24	4172969.7	0.6751	0.3409	0.06819

Unmitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
551713.24	4172969.7	0.8452	0.8452

Mitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM: 5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
551713.24	4172969.7	0.1063	0.1063	0.02127

Mitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
551713.24	4172969.7	0.2758	0.2758

Existing Phase 3 Receptors—Midway Village Project

Existing Phase 3 Receptors: Exposed to Phases 1+2 Demolition and Phases 1+2 Construction
Construction Annual DPM Emissions (PM2.5 Exhaust)

	Unmitigated Concentrations
Annual Average Onsite DPM Rate—Demolition Area 1A (Phase 1) (gram s/ m2/sec):	1.46E-06
Annual Average Onsite DPM Rate—Demolition Area 2A (Part 1 of 2 Phase 2) (grams/m2/sec):	8.71E-07
Annual Average Onsite DPM Rate—Demolition Area 2A (Part 2 of 2 Phase 2) (grams/m2/sec):	8.71E-07
Annual Average Onsite DPM Rate—Construction Area 1B (Phase 1) (grams/m2/sec):	9.48E-07
Annual Average Onsite DPM Rate—Construction Area 2B (Part 1 of 2 Phase 2) (grams/m2/sec):	8.39E-07
Annual Average Onsite DPM Rate—Construction Area 2B and 2B/3B (Part 2 of Phase 2) (grams/m2/sec):	8.39E-07
Annual Average Offsite DPM Emission Rate - Road Segment 1 (grams/sec):	8.67E-06
Annual Average Offsite DPM Emission Rate - Road Segment 2 (grams/sec):	1.04E-05

		Unit Emissions Demolition Area 2A (Part 2 of 2 Phase 2)	Unit Emissions Construction Area 1B (Phase 1)	Unit Emissions Construction Area 2B (Part 1 of 2 Phase 2)	Unit Emissions Construction Area 2B and 2B/3B (Part 2 of Phase 2)	Unit Emissions Demolition Area 1A (Phase 1)	Unit Emissions Demolition Area 2A (Part 1 of 2 Phase 2)	Unit Emissions Route 1 - From the project site towards US-101	Unit Emissions Route 2 - From US-101 towards the project site
X	Y	SRCGP1	SRCGP2	SRCGP3	SRCGP4	SRCGP5	SRCGP6	SRCGP7	SRCGP8
551713.24	4172969.7	12455.41732	185794.418	1615864.4027	8225.8335	1847829.6635	228172.6269	1.27794	1.25782
551697.38	4172970.22	13478.37965	120785.5593	198795.8823	8841.75286	1203310055	279988.2645	1.4558	1.43043
551713.76	4172948.38	20483.24202	212309.0548	94392.19767	13905.54546	213058.1624	143615.5038	1.23403	1.21147
551701.54	4172952.02	20076.75392	151446.202	1178868.8069	13541.05741	1523598627	176428.3024	1.36343	1.34045
551708.04	4172931.49	37147.13933	196860.0986	62545.3811	25883.20323	1994970061	98295.21285	1.26827	1.2476
551691.66	4172957.22	38502.28605	112076.3332	34622202354	12254.5079	1124124404	218540.1734	1.48993	1.46701
551695.04	4172935.91	33743.63194	135373.288	76330.4836	23073.52763	1372992816	120248.7166	1.40939	1.38464
551686.72	4172942.67	27760.22843	105705.8486	95608.30163	18517.39958	106746.007	151142.8111	1.52304	1.4948
551661.39	4172861.8	111729.5714	44792.59192	17268.7058	64985.90734	460706876	28559.6798	2.17322	2.09977
551646.97	4172921.5	35100.46302	47139.92027	54953.65344	18951.70925	477371591	100771.8604	2.15377	2.1008
551625.66	4172929.04	39058.30677	32691.79671	58832.65939	10613.6017	3292043434	126654.4689	2.86349	2.7644
551642.81	4172912.14	39053.42496	43739.05986	44878.3443	20559.70249	443660.7518	80660.25439	2.21897	2.16312
551639.95	4172903.04	43431.47437	41334.42991	37813.59426	22402.99225	419842382	66883.61934	2.27319	2.21468
551622.54	4172918.38	20891.77514	31139.62308	46961.77784	11505.93369	3140262566	94721.86775	2.88173	2.78298
551656.71	4172846.73	77370.15648	37402.74424	14272.25097	44492.20044	384114.8031	23344.81258	2.79918	2.62809
551587.68	4172938.51	9194.46197	19708.0914	50376.33389	5208.18164	197681.8001	122425.8331	7.82424	7.20064
551618.9	4172908.76	22266.41291	29500.13407	39374.56773	12143.20974	2981692678	76859.41607	2.9512	2.84996
551583.52	4172929.93	9444.14496	18928.08518	42407.85761	5332.84569	1900736641	98427.6434	8.09814	7.46154
551579.37	4172916.41	9943.04848	17968.69123	38613.63617	5586.52349	180697726	72347.71266	7.9766	7.3756
551624.72	4172862.34	31589.08256	26383.96454	18632.31301	16896.81517	2684361275	31522.64677	3.19678	3.07194
551613.18	4172880.16	22493.62799	24334.93557	23544.44587	12173.57967	246691.7549	41996.06209	3.23311	3.11461
551601.74	4172883.28	17311.58875	21401.27903	28875.40497	9471.87975	216539969	44306.81067	3.73049	3.58953
551620.04	4172851.95	28030.75672	24041.24778	16465.30157	15054.6249	2445632492	27989.24884	3.79889	3.62238
551591.08	4172887.18	13800.07322	19091.63657	23981.211	7613.69856	192859.6628	46015.94235	4.54785	4.33804
551573.39	4172898.22	9834.19841	16231.14927	24693.58992	5487.36848	163565279	49905.98663	8.20963	7.5882
551615.88	4172842.07	24582.46466	21984.88657	14648.64759	13222.72599	223579197	24957.29759	4.77295	4.5005
551623.3	4172824.65	25228.79241	21632.80769	11798.65176	13616.46679	220357.6832	19689.56729	8.28903	7.54671
551568.19	4172884.7	9713.47211	15073.92947	20434.85276	5389.89886	152013802	40282.1775	8.47438	7.85696
551612.9	4172824.39	20575.00802	19466.942	11910.83249	11080.56732	197951351	20388.40693	9.07667	8.24136
551564.03	4172870.4	9430.52808	13997.00239	17044.66501	5208.12312	141233888	32561.59365	8.52344	7.94138
551600.16	4172823.87	16246.84125	17169.54934	11862.37201	8751.36899	1742655521	20499.53597	9.82937	8.8415
551560.65	4172860.52	9000.70594	13181.45113	15058.71753	4947.63692	133037284	28340.81437	8.86849	8.27059
551557.27	4172852.21	8580.57693	12530.34873	13663.40189	4703.09471	126476174	25471.60909	9.38108	8.77138
551573.13	4172824.91	10181.9127	13238.19466	11222.80227	5513.39343	133710885	20054.36573	10.92613	9.86449
551560.91	4172829.85	8550.20814	11986.41138	11156.17761	4648.79958	121093625	20217.28933	10.69331	9.86431
551550.51	4172833.23	7471.82244	11077.51585	10944.62372	4075.51495	111809305	20005.50418	12.34725	11.27711
CONCUNIT ug/	m^3								
DEPUNIT g/m^	2								

		Annual DPM Exhaust w/Actual Emissions (ug/m3)	Annual DPM Exhaust w/Actual Emissions (ug/m3)	Annual DPM Exhaust w/Actual Emissions (ug/m3)	Annual DPM Exhaust w/Actual Emissions (ug/m3)	Annual DPM Exhaust w/Actual Emissions (ug/m3)	Annual DPM Exhaust w/Actual Emissions (ug/m3)	Annual DPM Exhaust w/Actual Emissions (ug/m3)	Annual DPM Exhaust w/Actual Emissions (ug/m3)	Total DPM (ug/m3)
X	Y									
551713.24	4172969.7	1.82E-02	1.62E-01	1.41E+01	7.80E-03	1.55E-01	1.91E+01	1.11E-05	1.31E-05	6.7505E-01
551697.38	4172970.22	1.97E-02	1.05E-01	1.73E+01	8.38E-03	1.01E-01	2.35E+01	1.26E-05	1.48E-05	6.4232E-01
551713.76	4172948.38	2.99E-02	1.85E-01	8.22E+02	1.32E-02	1.79E-01	1.19E+01	1.07E-05	1.26E-05	6.0765E-01
551701.54	4172952.02	2.93E-02	1.32E-01	1.03E+01	1.28E-02	1.28E-01	1.48E+01	1.18E-05	1.39E-05	5.5362E-01
551708.04	4172931.49	5.42E-02	1.71E-01	5.45E+02	2.45E-02	1.67E-01	8.25E+02	1.10E-05	1.29E-05	5.5440E-01
551691.66	4172957.22	2.70E-02	9.76E-02	1.27E+01	1.16E-02	9.43E-02	1.83E+01	1.30E-05	1.53E-05	5.4131E-01
551695.04	4172935.91	4.93E-02	1.18E-01	6.65E+02	2.19E-02	1.15E-01	1.01E+01	1.22E-05	1.44E-05	4.7364E-01
551686.72	4172942.67	4.05E-02	9.21E-02	8.33E+02	1.76E-02	8.96E-02	1.27E+01	1.32E-05	1.55E-05	4.4982E-01
551661.39	4172861.8	1.63E-02	3.90E-02	1.50E+02	6.15E-03	3.87E-02	2.35E+02	1.88E-05	2.18E-05	3.4093E-01
551646.97	4172921.5	5.12E-02	4.11E-02	4.79E+02	1.80E-02	4.01E-02	8.46E+02	1.87E-05	2.18E-05	2.8278E-01
551625.66	4172929.04	2.78E-02	2.85E-02	5.12E+02	1.01E-02	2.76E-02	1.06E+01	2.48E-05	2.87E-05	2.5154E-01
551642.81	4172912.14	5.70E-02	3.81E-02	3.91E+02	1.95E-02	3.72E-02	6.77E+02	1.92E-05	2.24E-05	2.5862E-01
551639.95	4172903.04	6.34E-02	3.60E-02	3.29E+02	2.12E-02	3.52E-02	5.61E+02	1.97E-05	2.30E-05	2.4494E-01
551622.54	4172918.38	3.05E-02	2.71E-02	4.09E+02	1.09E-02	2.63E-02	7.95E+02	2.50E-05	2.89E-05	2.1529E-01
551656.71	4172846.73	1.13E-01	3.36E-02	1.24E+02	4.22E-02	3.22E-02	1.94E+02	2.39E-05	2.73E-05	2.5181E-01
551587.68	4172938.51	1.34E-02	1.72E-02	4.39E+02	4.94E-03	1.66E-02	1.03E+01	6.79E-05	7.47E-05	1.9885E-01
551618.9	4172908.76	3.25E-02	2.57E-02	3.43E+02	1.15E-02	2.50E-02	6.45E+02	2.56E-05	2.96E-05	1.9356E-01
551583.52	4172929.93	1.38E-02	1.65E-02	3.69E+02	5.05E-03	1.59E-02	8.26E+02	7.02E-05	7.74E-05	1.7094E-01
551579.37	4172916.41	1.45E-02	1.56E-02	2.93E+02	5.29E-03	1.52E-02	6.07E+02	6.92E-05	7.65E-05	1.4074E-01
551624.72	4172862.34	4.61E-02	2.30E-02	1.62E+02	1.60E-02	2.25E-02	2.64E+02	2.77E-05	3.19E-05	1.5036E-01
551613.18	4172880.16	3.28E-02	2.12E-02	2.05E+02	1.15E-02	2.07E-02	3.52E+02	2.80E-05	3.23E-05	1.4207E-01
551601.74	4172883.28	2.53E-02	1.86E-02	2.08E+02	8.98E-03	1.82E-02	3.72E+02	3.24E-05	3.72E-05	1.2910E-01
551620.04	4172851.95	4.09E-02	2.09E-02	1.43E+02	1.43E-02	2.05E-02	2.35E+02	3.29E-05	3.76E-05	1.3454E-01
551591.08	4172887.18	2.01E-02	1.66E-02	2.09E+02	7.22E-03	1.62E-02	3.86E+02	3.94E-05	4.50E-05	1.1975E-01
551573.39	4172898.22	1.44E-02	1.41E-02	2.15E+02	5.20E-03	1.37E-02	4.19E+02	7.12E-05	7.87E-05	1.1095E-01
551615.88	4172842.07	3.59E-02	1.91E-02	1.28E+02	1.25E-02	1.88E-02	2.09E+02	4.14E-05	4.67E-05	1.2011E-01
551623.3	4172824.65	3.68E-02	1.88E-02	1.03E+02	1.29E-02	1.85E-02	1.65E+02	7.19E-05	7.83E-05	1.1401E-01
551568.19	4172884.7	1.42E-02	1.31E-02	1.78E+02	5.11E-03	1.28E-02	3.36E+02	7.35E-05	8.15E-05	9.6755E-02
551612.9	4172824.39	3.00E-02	1.70E-02	1.04E+02	1.05E-02	1.66E-02	1.69E+02	7.87E-05	8.55E-05	1.0158E-01
551564.03	4172870.4	1.38E-02	1.22E-02	1.48E+02	4.93E-03	1.19E-02	2.73E+02	7.39E-05	8.24E-05	8.5062E-02
551600.16	4172823.87	2.37E-02	1.50E-02	1.03E+02	8.29E-03	1.46E-02	1.72E+02	8.53E-05	9.17E-05	8.9295E-02
551560.65	4172860.52	1.31E-02	1.15E-02	1.31E+02	4.69E-03	1.12E-02	2.38E+02	7.69E-05	8.58E-05	7.7529E-02
551557.27	4172852.21	1.25E-02	1.09E-02	1.19E+02	4.46E-03	1.06E-02	2.14E+02	8.14E-05	9.10E-05	7.1953E-02
551573.13	4172824.91	1.49E-02	1.15E-02	9.77E+03	5.23E-03	1.12E-02	1.68E+02	9.48E-05	1.02E-04	6.9618E-02
551560.91	4172829.85	1.25E-02	1.04E-02	9.72E+03	4.41E-03	1.02E-02	1.70E+02	9.27E-05	1.02E-04	6.4362E-02
551550.51	4172833.23	1.09E-02	9.65E-03	9.53E+03	3.86E-03	9.38E-03	1.68E+02	1.05E-04	1.17E-04	6.0319E-02

Unmitigated DPM Concentrations

Maximum DPM (ug/m3)	MIR UTM X	MIR UTM Y
6.7505E-01	551713.24	4172969.7

Latitude, Longitude 37°42'09.0"N 122°24'48.1"W
Note: 37°42'09.0"N 122°24'48.1"W is not a residence

*Highest residential receptor analyzed for infant scenario

UTM	551661.39	4172861.8
Latitude, Longitude	37°42'05.5"N 122°24'50.2"W	
Concentration	3.4093E-01	(ug/m3)

Existing Phase 3 Receptors—Midway Village Project

Existing Phase 3 Receptors: Exposed to Phases 1+2 Demolition and Phases 1+2 Construction
Construction Annual Total PM2.5 Emissions (PM2.5 Total)

	Unmitigated Concentrations
Annual Average Onsite Total PM2.5 Emission Rate—Demolition Area 1A (Phase 1) (grams/m2/sec):	1.59E-06
Annual Average Onsite Total PM2.5 Emission Rate—Demolition Area 2A (Part 1 of 2 Phase 2) (grams/m2/sec):	1.13E-06
Annual Average Onsite Total PM2.5 Emission Rate—Demolition Area 2A (Part 2 of 2 Phase 2) (grams/m2/sec):	1.13E-06
Annual Average Onsite Total PM2.5 Emission Rate—Construction Area 1B (Phase 1) (grams/m2/sec):	1.44E-06
Annual Average Onsite Total PM2.5 Emission Rate—Construction Area 2B (Part 1 of 2 Phase 2) (grams/m2/sec):	1.02E-06
Annual Average Onsite Total PM2.5 Emission Rate—Construction Area 2B and 2B/3B (Part 2 of Phase 2) (grams/m2/sec):	1.02E-06
Annual Average Offsite Total PM2.5 Emission Rate - Road Segment 1 (grams/sec):	2.54E-04
Annual Average Offsite Total PM2.5 Emission Rate - Road Segment 2 (grams/sec):	2.57E-04

		Unit Emissions Demolition Area 2A (Part 2 of 2 Phase 2)	Unit Emissions Construction Area 1B (Phase 1)	Unit Emissions Construction Area 2B (Part 1 of 2 Phase 2)	Unit Emissions Construction Area 2B and 2B/3B (Part 2 of Phase 2)	Unit Emissions Demolition Area 1A (Phase 1)	Unit Emissions Demolition Area 2A (Part 1 of 2 Phase 2)	Unit Emissions Route 1 - From the project site towards US-101	Unit Emissions Route 2 - From US-101 towards the project site	Annual PM2.5	Annual PM2.5	Annual PM2.5	Annual PM2.5	Annual PM2.5	Annual PM2.5	Annual PM2.5	Annual PM2.5	Total
X	Y	SRCGP1	SRCGP2	SRCGP3	SRCGP4	SRCGP5	SRCGP6	SRCGP7	SRCGP8	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	PM2.5 (ug/m3)
551713.24	4172969.7	12455.41732	185794.418	1615864.4027	8225.8335	1847829.6635	228172.6269	1.27794	1.25782	1.98E-02	2.09E-01	1.82E-01	1.18E-02	1.89E-01	2.33E-01	3.24E-04	3.23E-04	8.4515E-01
551697.38	4172970.22	13478.37965	120785.5593	198795.8823	8841.75286	1203110055	279988.2645	1.4558	1.43043	2.14E-02	1.36E-01	2.24E-01	1.27E-02	1.23E-01	2.86E-01	3.70E-04	3.67E-04	8.0355E-01
551713.76	4172948.38	20483.24202	212309.0548	94392.19767	13905.54546	2130581624	143615.5038	1.23403	1.2147	3.26E-02	2.39E-01	1.06E-01	2.00E-02	2.18E-01	1.45E-01	3.13E-04	3.12E-04	7.6054E-01
551701.54	4172952.02	20076.75392	151446.202	1178868.8069	13541.05741	1523598627	176428.3024	1.36343	1.34045	3.19E-02	1.71E-01	1.33E-01	1.95E-02	1.56E-01	1.80E-01	3.46E-04	3.44E-04	6.9115E-01
551708.04	4172931.49	37147.13933	196850.0986	62545.3811	25883.20323	1994970061	98295.21285	1.26827	1.2476	5.91E-02	2.21E-01	7.04E-02	3.73E-02	2.04E-01	1.00E-01	3.22E-04	3.20E-04	6.9298E-01
551691.66	4172957.22	18502.28605	112076.3332	34622022354	12254.5079	1124124404	218540.1734	1.48993	1.46701	2.94E-02	1.26E-01	1.65E-01	1.76E-02	1.15E-01	2.23E-01	3.79E-04	3.77E-04	6.7663E-01
551695.04	4172935.91	33743.63194	135373.288	76330.4836	23073.52763	1372992816	120248.7166	1.40939	1.38464	5.37E-02	1.52E-01	8.60E-02	3.32E-02	1.40E-01	1.23E-01	3.58E-04	3.55E-04	5.8901E-01
551686.72	4172942.67	27760.22843	105705.8486	95608.30163	18517.39958	106746.007	151142.8111	1.52304	1.4948	4.42E-02	1.19E-01	1.08E-01	2.67E-02	1.09E-01	1.54E-01	3.87E-04	3.84E-04	5.6163E-01
551661.39	4172861.8	111729.5714	44792.59192	17268.7058	64985.90734	460706876	28559.6798	2.17322	2.09977	1.78E-01	5.04E-02	1.94E-02	9.35E-02	4.70E-02	2.86E-02	5.52E-04	5.39E-04	4.1798E-01
551646.97	4172921.5	35100.46302	47139.92027	54953.65344	18951.70925	477371591	100771.8604	2.15377	2.1008	5.59E-02	5.31E-02	6.39E-02	2.73E-02	4.87E-02	1.03E-01	5.47E-04	5.39E-04	3.5086E-01
551625.66	4172929.04	39058.30677	32691.79671	58832.65939	10613.6017	3292043434	126654.4689	2.86349	2.7644	3.03E-02	3.68E-02	6.68E-02	1.53E-02	3.36E-02	1.29E-01	7.27E-04	7.10E-04	3.1304E-01
551642.81	4172912.14	39053.42496	43739.05986	44878.3443	20559.70249	443660.7518	80660.25439	2.21897	2.16312	6.21E-02	4.93E-02	5.05E-02	2.96E-02	4.53E-02	8.23E-02	5.63E-04	5.55E-04	3.2032E-01
551639.95	4172903.04	43431.47437	41334.42991	37813.59426	22402.99225	419842382	66883.61934	2.27319	2.21468	6.91E-02	4.65E-02	4.26E-02	3.23E-02	4.29E-02	6.83E-02	5.77E-04	5.69E-04	3.0279E-01
551622.54	4172918.38	20891.77514	31139.62308	46961.77784	11505.93369	314026.2566	94721.86775	2.88173	2.78298	3.32E-02	3.50E-02	5.29E-02	1.66E-02	3.21E-02	9.67E-02	7.32E-04	7.15E-04	2.6797E-01
551656.71	4172846.73	77370.13648	37402.74424	14272.25097	44492.20044	38411.48031	23344.81258	2.79918	2.62809	1.23E-01	4.21E-02	1.61E-02	6.41E-02	3.92E-02	2.36E-02	7.01E-04	6.75E-04	3.0961E-01
551587.68	4172938.51	9194.46197	19708.0914	50176.33389	5208.18164	197681.8001	122425.8331	7.82424	7.20064	1.46E-02	2.22E-02	5.67E-02	7.50E-03	2.02E-02	1.23E-01	1.99E-03	1.85E-03	2.5007E-01
551618.9	4172908.76	22266.41291	29500.13407	39374.56773	12143.20974	2981692678	76859.41607	2.9512	2.84996	3.54E-02	3.32E-02	4.48E-02	1.75E-02	3.04E-02	7.85E-02	7.49E-04	7.32E-04	2.4088E-01
551583.52	4172929.93	9444.14496	18928.08518	42407.85761	5332.84569	190073664	98427.6434	8.09814	7.46154	1.50E-02	2.13E-02	4.78E-02	7.68E-03	1.94E-02	1.00E-01	2.06E-03	1.92E-03	2.1565E-01
551579.37	4172916.41	9943.04848	17968.69123	38613.63617	5586.52349	180697716	72347.71286	7.9766	7.3756	1.58E-02	2.02E-02	3.79E-02	8.05E-03	1.84E-02	7.39E-02	2.03E-03	1.89E-03	1.7819E-01
551624.72	4172862.34	31589.08256	26383.96454	18632.31301	16896.81517	2684361275	31522.64677	3.19678	3.07194	5.03E-02	2.97E-02	2.30E-02	2.43E-02	2.74E-02	3.22E-02	8.12E-04	7.89E-04	1.8649E-01
551613.18	4172880.16	22493.62799	24334.93557	23544.44587	12173.57967	246691.7549	41996.06209	3.23311	3.11461	3.58E-02	2.74E-02	2.65E-02	1.75E-02	2.52E-02	4.29E-02	8.18E-04	8.00E-04	1.7693E-01
551601.74	4172883.28	17311.58875	21401.27903	23875.40497	9471.87975	216539969	44306.81067	3.73049	3.58953	2.75E-02	2.41E-02	2.69E-02	1.36E-02	2.21E-02	4.52E-02	9.47E-04	9.22E-04	1.6139E-01
551620.04	4172851.95	28030.75672	24041.24778	16465.30157	15054.6249	2445632492	27989.24884	3.79889	3.62138	4.46E-02	2.71E-02	1.85E-02	2.17E-02	2.50E-02	2.86E-02	9.65E-04	9.30E-04	1.6734E-01
551591.08	4172887.18	13800.07322	19091.63657	23981.211	7613.69856	192853.96628	46015.94235	4.54785	4.33804	2.20E-02	2.15E-02	2.70E-02	1.10E-02	1.97E-02	4.70E-02	1.15E-03	1.11E-03	1.5037E-01
551573.39	4172898.22	9834.19841	16238.14927	24693.58992	5487.36848	163565279	49905.98663	8.20963	7.5882	1.56E-02	1.83E-02	2.78E-02	7.90E-03	1.67E-02	5.10E-02	2.08E-03	1.95E-03	1.4133E-01
551615.88	4172842.07	24582.46466	21984.88657	14648.64759	13222.72599	223579197	24957.29759	4.77295	4.5005	3.91E-02	2.48E-02	1.65E-02	1.90E-02	2.28E-02	2.55E-02	1.21E-03	1.16E-03	1.5009E-01
551623.3	4172824.65	25228.79241	21632.80769	11798.65176	13616.46679	220357.6832	19689.56729	8.28903	7.54671	4.01E-02	2.44E-02	1.31E-02	1.96E-02	2.25E-02	2.01E-02	2.10E-03	1.94E-03	1.4405E-01
551568.19	4172884.7	9713.47211	15073.92947	20434.85276	5389.89886	152013802	40282.1775	8.47438	7.85696	1.55E-02	1.70E-02	2.30E-02	7.76E-03	1.55E-02	4.09E-02	2.15E-03	2.02E-03	1.2382E-01
551612.9	4172824.39	20575.00802	19466.942	11910.83249	11080.56732	197951351	20388.40693	9.07667	8.24136	3.27E-02	2.19E-02	1.34E-02	1.60E-02	2.02E-02	2.06E-02	2.30E-03	2.12E-03	1.2928E-01
551564.03	4172870.4	9430.52808	13997.00239	17044.66501	5208.12312	141233.8889	32561.59365	8.52344	7.94138	1.50E-02	1.58E-02	1.92E-02	7.49E-03	1.44E-02	3.32E-02	2.16E-03	2.04E-03	1.0933E-01
551600.16	4172823.87	16246.84125	17169.54934	11862.37201	8751.36899	1742655521	20499.53597	9.82937	8.8415	2.59E-02	1.93E-02	1.34E-02	1.26E-02	1.78E-02	2.09E-02	2.50E-03	2.27E-03	1.1464E-01
551560.65	4172860.52	9000.70594	13181.45113	15058.71753	4947.63692	133037.2846	28340.81437	8.86849	8.27059	1.43E-02	1.48E-02	1.70E-02	7.13E-03	1.36E-02	2.89E-02	2.25E-03	2.12E-03	1.0014E-01
551557.27	4172852.21	8580.57693	12530.34873	13663.40189	4703.09471	126476.1741	25471.60909	9.38108	8.77118	1.37E-02	1.41E-02	1.54E-02	6.77E-03	1.29E-02	2.60E-02	2.38E-03	2.25E-03	9.3479E-02
551573.13	4172824.91	10181.9127	13238.19466	11222.80227	5513.39343	133710.8855	20054.36573	10.92613	9.86449	1.62E-02	1.49E-02	1.26E-02	7.94E-03	1.37E-02	2.05E-02	2.77E-03	2.53E-03	9.1101E-02
551560.91	4172829.85	8550.20814	11986.41138	11156.17761	4648.79958	121093.5625	20217.28933	10.69331	9.86431	1.36E-02	1.35E-02	1.26E-02	6.70E-03	1.24E-02	2.06E-02	2.72E-03	2.53E-03	8.4616E-02
551550.51	4172833.23	7471.82244	11077.51585	10944.62372	4075.51495	111809.3054	20005.50418	12.34725	11.27711	1.19E-02	1.25E-02	1.23E-02	5.87E-03	1.14E-02	2.04E-02	3.08E-03	2.90E-03	8.0380E-02
CONCUNIT ug/	m^3																	
DEPUNIT g/m^	2																	

Unmitigated PM2.5 Concentrations

Maximum DPM (ug/m3)	MR UTM X	MR UTM Y
8.4515E-01	551713.24	4172969.7

UTM 551713.24 4172969.70
Latitude, Longitude 37°42'09.0"N 122°24'48.1"W
Note: 37°42'09.0"N 122°24'48.1"W is not a residence

Existing Phase 3 Receptors—Midway Village Project

Existing Phase 3 Receptors: Exposed to Phases 1+2 Demolition and Phases 1+2 Construction
Construction Annual DPM Emissions (PM2.5 Exhaust)

	Mitigated Concentrations
Annual Average Onsite DPM Rate—Demolition Area 1A (Phase 1) (gram s/ m2/sec):	6.24E-08
Annual Average Onsite DPM Rate—Demolition Area 2A (Part 1 of 2 Phase 2) (grams/m2/sec):	5.78E-08
Annual Average Onsite DPM Rate—Demolition Area 2A (Part 2 of 2 Phase 2) (grams/m2/sec):	5.78E-08
Annual Average Onsite DPM Rate—Construction Area 1B (Phase 1) (grams/m2/sec):	9.83E-08
Annual Average Onsite DPM Rate—Construction Area 2B (Part 1 of2 Phase 2) (grams/m2/sec):	2.05E-07
Annual Average Onsite DPM Rate—Construction Area 2B and 2B/3B (Part 2 of Phase 2) (grams/m2/sec):	2.05E-07
Annual Average Offsite DPM Emission Rate - Road Segment 1 (grams/sec):	8.67E-06
Annual Average Offsite DPM Emission Rate - Road Segment 2 (grams/sec):	1.04E-05

X	Y	Unit Emissions Demolition Area 2A (Part 2 of 2 Phase 2) SRCGP1	Unit Emissions Construction Area 1B (Phase 1) SRCGP2	Unit Emissions Construction Area 2B (Part 1 of 2 Phase 2) SRCGP3	Unit Emissions Construction Area 2B and 2B/3B (Part 2 of Phase 2) SRCGP4	Unit Emissions Demolition Area 1A (Phase 1) SRCGP5	Unit Emissions Demolition Area 2A (Part 1 of 2 Phase 2) SRCGP6	Unit Emissions Route 1 - From the project site towards US-101 SRCGP7	Unit Emissions Route 2 - From US-101 towards the project site SRCGP8	Annual DPM Exhaust w/Actual Emissions (ug/m3)	Annual DPM Exhaust w/Actual Emissions (ug/m3)	Annual DPM Exhaust w/Actual Emissions (ug/m3)	Annual DPM Exhaust w/Actual Emissions (ug/m3)	Annual DPM Exhaust w/Actual Emissions (ug/m3)	Annual DPM Exhaust w/Actual Emissions (ug/m3)	Annual DPM Exhaust w/Actual Emissions (ug/m3)	Annual DPM Exhaust w/Actual Emissions (ug/m3)	Total DPM (ug/m3)
551713.24	4172969.7	12455.41732	185794.418	1615864.4027	8225.8335	1847829.635	228172.6269	1.27794	1.25782	7.78E-04	1.07E-02	9.34E-03	8.09E-04	3.79E-02	4.68E-02	1.11E-05	1.31E-05	1.0634E-01
551697.38	4172970.22	13478.37965	120785.5593	198795.8823	8841.75286	1203310055	279988.2645	1.4558	1.43043	8.42E-04	6.98E-03	1.15E-02	8.69E-04	2.47E-02	5.74E-02	1.26E-05	1.48E-05	1.0227E-01
551713.76	4172948.38	20483.24202	212309.0548	94392.39767	13905.54546	2130581624	143615.5038	1.23403	1.2147	1.28E-03	1.23E-02	5.46E-03	1.37E-03	4.37E-02	2.90E-02	1.07E-05	1.26E-05	9.3090E-02
551701.54	4172952.02	20076.75392	151446.202	1178868069	13541.05741	1523598627	176428.3024	1.36343	1.34045	1.25E-03	8.76E-03	6.82E-03	1.33E-03	3.12E-02	3.62E-02	1.18E-05	1.39E-05	8.5576E-02
551708.04	4172931.49	37147.13933	196860.0986	62545.3811	25883.20323	1994970061	98295.21285	1.26827	1.2476	2.32E-03	1.14E-02	3.62E-03	2.54E-03	4.09E-02	2.01E-02	1.10E-05	1.29E-05	8.0914E-02
551691.66	4172957.22	38502.28605	112076.3332	34622022354	12254.5079	1124124404	218540.1734	1.49893	1.46701	1.36E-03	6.48E-03	8.45E-03	1.20E-03	2.30E-02	4.48E-02	1.30E-05	1.52E-05	8.5159E-02
551695.04	4172935.91	33743.63194	135373.288	76330.4836	23073.52763	1372992816	120248.7166	1.40939	1.38464	2.11E-03	7.83E-03	4.41E-03	2.27E-03	2.81E-02	2.46E-02	1.22E-05	1.44E-05	6.9433E-02
551686.72	4172942.67	27760.22843	105705.8486	95608.30163	18517.39958	106746.007	151142.8111	1.52304	1.4948	1.73E-03	6.11E-03	5.53E-03	1.82E-03	2.19E-02	3.10E-02	1.32E-05	1.55E-05	6.8083E-02
551661.39	4172861.8	111729.5714	44750.59192	17268.7058	64985.90734	460706876	28559.6798	2.17322	2.09977	6.98E-03	2.59E-03	9.98E-04	6.38E-03	9.44E-03	5.75E-03	1.88E-05	2.18E-05	3.2183E-02
551646.97	4172921.5	35100.46302	47139.92027	54953.65344	18951.70925	47737.1591	100771.8604	2.15377	2.1008	2.39E-03	2.73E-03	3.18E-03	1.86E-03	9.79E-03	2.07E-02	1.87E-05	2.18E-05	4.0440E-02
551625.66	4172929.04	39058.30677	32691.79671	58832.65939	10613.6017	3292043434	126654.4689	2.86349	2.7644	1.39E-03	1.89E-03	3.40E-03	1.04E-03	6.75E-03	2.60E-02	2.48E-05	2.87E-05	4.0288E-02
551642.81	4172912.14	39053.42496	43739.05986	44878.3443	20559.70249	443660.7518	80660.25439	2.21897	2.16312	2.44E-03	2.53E-03	2.59E-03	2.03E-03	9.09E-03	1.65E-02	1.93E-05	2.24E-05	3.5252E-02
551639.95	4172903.04	43431.47437	41334.42991	37813.59426	22402.99225	419842382	66883.61934	2.27319	2.21468	2.71E-03	2.39E-03	2.19E-03	2.20E-03	8.61E-03	1.37E-02	1.97E-05	2.30E-05	3.1847E-02
551622.54	4172918.38	20891.77514	31139.62308	46961.77784	11505.93369	3140262566	94721.86775	2.88173	2.78298	1.30E-03	1.80E-03	2.72E-03	1.13E-03	6.44E-03	1.94E-02	2.50E-05	2.89E-05	3.2856E-02
551656.71	4172846.73	77370.15648	37402.74424	14272.25097	44492.20044	38411.48031	23344.81258	2.79918	2.62809	4.83E-03	2.16E-03	8.25E-04	4.37E-03	7.87E-03	4.74E-03	2.39E-05	2.73E-05	2.4861E-02
551587.68	4172938.51	9194.46197	19708.0914	50376.33389	5208.18164	197681.8001	122425.8331	7.82424	7.20064	5.74E-04	1.14E-03	2.91E-03	5.12E-04	4.05E-03	2.51E-02	6.79E-05	7.47E-05	3.4427E-02
551618.9	4172908.76	22266.41291	29500.13407	39374.56773	12143.20974	2981692678	76859.41607	2.9512	2.84996	1.39E-03	1.71E-03	2.28E-03	1.19E-03	6.11E-03	1.58E-02	2.56E-05	2.96E-05	2.8487E-02
551583.52	4172929.93	9444.14496	18928.08518	42407.85761	5332.84569	1900736641	98427.6434	8.09814	7.46154	5.90E-04	1.09E-03	2.45E-03	5.24E-04	3.90E-03	2.02E-02	7.02E-05	7.74E-05	2.8879E-02
551579.37	4172916.41	9443.04848	17968.69123	38613.63617	5586.52349	180697716	72347.71266	7.9766	7.3756	6.21E-04	1.04E-03	1.94E-03	5.49E-04	3.70E-03	1.48E-02	6.92E-05	7.65E-05	2.2833E-02
551624.72	4172862.34	31589.08256	26383.96454	18632.31301	16896.81517	2684361275	31522.64677	3.19678	3.07194	1.97E-03	1.53E-03	1.08E-03	1.66E-03	5.50E-03	6.46E-03	2.77E-05	3.19E-05	1.8259E-02
551613.18	4172880.16	22493.62799	24334.93557	23544.44587	12173.57967	2466913549	41996.06209	3.23311	3.11461	1.40E-03	1.41E-03	1.36E-03	1.20E-03	5.06E-03	8.61E-03	2.80E-05	3.23E-05	1.9094E-02
551601.74	4172883.28	17311.58875	21401.27903	23875.40497	9471.87975	2166339969	44306.81067	3.73049	3.58953	1.08E-03	1.24E-03	1.38E-03	9.31E-04	4.44E-03	9.08E-03	3.24E-05	3.72E-05	1.8220E-02
551620.04	4172851.95	28030.75672	24041.24778	16465.30157	15054.6249	2445632492	27989.24884	3.79889	3.62238	1.75E-03	1.39E-03	9.52E-04	1.48E-03	5.01E-03	5.74E-03	3.29E-05	3.76E-05	1.6393E-02
551591.08	4172887.18	13800.07322	19091.63657	23981.211	7613.69856	1928596628	46015.94235	4.54785	4.33804	8.62E-04	1.10E-03	1.39E-03	7.48E-04	3.95E-03	9.43E-03	3.94E-05	4.50E-05	1.7570E-02
551573.39	4172898.22	9834.19841	16238.14927	24693.58992	5487.36848	163565279	49805.98663	8.20963	7.5882	6.34E-04	9.39E-04	1.43E-03	5.39E-04	3.35E-03	1.02E-02	7.13E-05	7.87E-05	1.7253E-02
551615.88	4172842.07	24582.46466	21984.88657	14648.64759	13222.72599	223579197	24957.29759	4.77295	4.5005	1.53E-03	1.27E-03	8.47E-04	1.30E-03	4.58E-03	5.12E-03	4.14E-05	4.67E-05	1.4739E-02
551623.3	4172824.65	25228.79241	21632.80769	11798.65176	13616.46679	220357.6832	19689.56729	8.28903	7.54671	1.58E-03	1.25E-03	6.82E-04	1.34E-03	4.52E-03	4.04E-03	7.19E-05	7.83E-05	1.3549E-02
551568.19	4172884.7	9713.47211	15073.92947	20434.85276	5389.89886	152013802	40282.1775	8.47438	7.85696	6.06E-04	8.71E-04	1.18E-03	5.30E-04	3.12E-03	8.22E-03	7.35E-05	8.15E-05	1.4676E-02
551612.9	4172824.39	20575.00802	19466.942	11910.83249	11080.56732	197951351	20388.40693	9.07667	8.24136	1.28E-03	1.13E-03	6.89E-04	1.09E-03	4.06E-03	4.14E-03	7.87E-05	8.55E-05	1.2548E-02
551564.03	4172870.4	9430.52808	13997.00239	17044.66501	5203.12312	141233.88889	32561.59365	8.52344	7.94138	5.89E-04	8.09E-04	9.85E-04	5.13E-04	2.90E-03	6.67E-03	7.39E-05	8.24E-05	1.2621E-02
551600.16	4172823.87	16246.84125	17169.54934	11862.37201	8751.36899	1742655521	20499.53597	9.82937	8.8415	1.01E-03	9.93E-04	6.86E-04	8.60E-04	3.57E-03	4.20E-03	8.53E-05	9.17E-05	1.1504E-02
551560.65	4172860.52	9000.70594	13181.45113	15058.71753	4947.63692	133037.2846	28340.81437	8.86849	8.27059	5.62E-04	7.62E-04	8.71E-04	4.86E-04	2.73E-03	5.81E-03	7.69E-05	8.58E-05	1.1380E-02
551557.27	4172852.21	8580.57693	12530.34873	13663.40189	4703.09471	126471.61741	25471.60909	9.38108	8.77138	5.36E-04	7.24E-04	7.90E-04	4.62E-04	2.59E-03	5.22E-03	8.14E-05	9.10E-05	1.0498E-02
551573.13	4172824.91	10181.9127	13238.19466	11222.80227	5513.39343	133710.8855	20054.36573	10.92613	9.86449	6.36E-04	7.64E-04	6.49E-04	5.42E-04	2.74E-03	4.11E-03	9.48E-05	1.02E-04	9.6393E-03
551560.91	4172829.85	8550.20814	11986.41138	11156.17761	4648.79958	121093.5625	20217.28933	10.69331	9.86431	5.34E-04	6.93E-04	6.45E-04	4.57E-04	2.48E-03	4.14E-03	9.27E-05	1.02E-04	9.1501E-03
551550.51	4172833.23	7471.82244	11077.51585	10944.62372	4075.51495	1118093054	20005.50418	12.34725	11.27711	4.67E-04	6.40E-04	6.33E-04	4.03E-04	2.29E-03	4.10E-03	1.05E-04	1.17E-04	8.7552E-03
CONCUNIT ug/	m^3																	
DEPUNIT g/m²	2																	

Mitigated DPM Concentrations

Maximum DPM (ug/m3)	UTM X	UTM Y
1.0634E-01	551713.24	4172969.7

UTM	551713.24	4172969.70
Latitude, Longitude	37°42'09.0"N 122°24'48.1"W	

Note: 37°42'09.0"N 122°24'48.1"W is not a residence

*Highest residential receptor analyzed for infant scenario

UTM	551661.39	4172861.8
Latitude, Longitude	37°42'05.5"N 122°24'50.2"W	
Concentration	3.2183E-02	(ug/m3)

Existing Phase 3 Receptors—Midway Village Project

Existing Phase 3 Receptors: Exposed to Phases 1+2 Demolition and Phases 1+2 Construction
Construction Annual Total PM2.5 Emissions (PM2.5 Total)

	Mitigated Concentrations
Annual Average Onsite Total PM2.5 Emission Rate—Demolition Area 1A (Phase 1) (grams/m2/sec):	1.94E-07
Annual Average Onsite Total PM2.5 Emission Rate—Demolition Area 2A (Part 1 of 2 Phase 2) (grams/m2/sec):	3.12E-07
Annual Average Onsite Total PM2.5 Emission Rate—Demolition Area 2A (Part 2 of 2 Phase 2) (grams/m2/sec):	3.12E-07
Annual Average Onsite Total PM2.5 Emission Rate—Construction Area 1B (Phase 1) (grams/m2/sec):	5.90E-07
Annual Average Onsite Total PM2.5 Emission Rate—Construction Area 2B (Part 1 of 2 Phase 2) (grams/m2/sec):	3.86E-07
Annual Average Onsite Total PM2.5 Emission Rate—Construction Area 2B and 2B/3B (Part 2 of Phase 2) (grams/m2/sec):	3.86E-07
Annual Average Offsite Total PM2.5 Emission Rate - Road Segment 1 (grams/sec):	2.54E-04
Annual Average Offsite Total PM2.5 Emission Rate - Road Segment 2 (grams/sec):	2.57E-04

X	Y	Unit Emissions Demolition Area 2A (Part 2 of 2 Phase 2) SRCGP1	Unit Emissions Construction Area 1B (Phase 1) SRCGP2	Unit Emissions Construction Area 2B (Part 1 of 2 Phase 2) SRCGP3	Unit Emissions Construction Area 2B and 2B/3B (Part 2 of Phase 2) SRCGP4	Unit Emissions Demolition Area 1A (Phase 1) SRCGP5	Unit Emissions Demolition Area 2A (Part 1 of 2 Phase 2) SRCGP6	Unit Emissions Route 1 - From the project site towards US-101 SRCGP7	Unit Emissions Route 2 - From US-101 towards the project site SRCGP8
551713.24	4172969.7	12455.41732	185794.418	161586.4027	8225.8335	184782.9635	228172.6269	1.27794	1.25782
551697.38	4172970.22	13478.37965	120785.5593	198795.8823	8841.75286	120331.0055	279988.2645	1.4558	1.43043
551713.76	4172948.38	20483.24202	212309.0548	94392.19767	13905.54546	213058.1624	143615.5038	1.23403	1.2147
551701.54	4172952.02	20076.75392	151446.202	117886.8069	13541.05741	152359.8627	176428.3034	1.36343	1.34045
551708.04	4172931.49	37147.15933	196650.0986	62545.3811	25883.20323	199497.0061	98295.21285	1.26827	1.2476
551691.66	4172957.22	18502.28605	112076.3332	146220.2354	12254.5079	112412.4404	218540.1734	1.49393	1.46701
551695.04	4172935.91	33743.63194	135373.288	76330.4836	23073.52703	137299.2816	120248.7166	1.40939	1.38464
551686.72	4172942.67	27760.22843	105705.8486	95608.30163	18517.39958	106746.007	151142.8111	1.52304	1.4948
551661.39	4172861.8	111729.5714	44792.59192	17268.7058	64935.90734	460706876	28059.6768	2.17322	2.09977
551646.97	4172821.5	35100.46802	47139.92027	54953.65344	18951.70925	477371591	100771.8604	2.15377	2.1008
551625.66	4172929.04	39058.30677	32691.79671	58832.65939	10613.6017	329204.4344	126654.4689	2.86349	2.7644
551642.81	4172912.14	39053.42496	43739.05986	44878.3443	20559.70249	443660.7518	80660.25459	2.23897	2.16312
551639.95	4172903.04	43431.47437	41134.42991	37813.39426	22402.99225	419842382	66883.61924	2.27319	2.21463
551622.54	4172918.38	20891.77514	31139.62308	46961.77784	11305.93369	314026.2566	94721.86775	2.88173	2.78238
551656.71	4172846.73	77370.15648	37402.74424	34272.25097	44492.20044	384114.8031	23144.81258	2.79918	2.62809
551587.68	4172938.51	9194.46197	19703.0914	50376.33389	5209.18164	197681.8001	122425.8331	7.82424	7.20064
551618.9	4172908.76	22266.41291	29500.13407	39374.56773	12143.20974	298169.2678	76859.41607	2.9512	2.84996
551583.52	4172929.93	9444.14496	18928.08518	42407.85761	5332.84569	190073.6641	98427.6434	8.09814	7.46154
551579.37	4172916.41	9943.04848	17963.69123	33613.63617	5586.52349	180697.7216	72347.71266	7.9766	7.3756
551624.72	4172862.34	31589.08256	26383.96454	38632.31301	16896.81517	268431.6175	31522.64677	3.19678	3.07394
551613.18	4172880.16	22493.62799	24334.93557	23544.44587	12173.57967	246691.7549	41996.06209	3.22311	3.11461
551601.74	4172883.28	17311.58875	21401.27903	23875.60497	9471.87975	216531.9969	44306.83067	3.73049	3.58953
551620.04	4172851.95	28030.79672	24041.24778	16465.30157	15054.6249	244563.2492	27989.24884	3.79889	3.62238
551591.08	4172887.18	13800.07322	19091.63657	23981.211	7613.69856	192859.6628	46015.94215	4.54785	4.33804
551573.39	4172898.22	9834.19841	16231.14927	24693.53992	5487.36848	163565279	49905.98663	8.20963	7.5882
551615.88	4172842.07	34582.46466	21984.88657	14648.64759	13222.72589	223579197	24957.29739	4.77295	4.5005
551623.3	4172824.65	25228.79241	21632.80769	11798.65176	13616.46679	220335.7683	19689.56729	8.28903	7.54671
551568.19	4172884.7	9713.47221	15073.92947	20434.85276	5389.89886	152013802	40082.1775	8.47438	7.85696
551612.9	4172824.39	20575.00602	19466.942	11910.83249	11080.56732	197953.13511	20188.40693	9.07667	8.24136
551564.03	4172870.4	9410.52808	13997.00239	17044.66501	5208.12312	141233.98889	32561.59365	8.52344	7.94138
551600.16	4172823.87	16246.84125	17169.54934	11862.37201	8751.36899	174265.5521	20499.53597	9.82937	8.8415
551560.65	4172860.52	9000.70594	13181.45113	15058.73753	4947.63692	133037.2846	28340.81437	8.86349	8.27059
551557.27	4172852.21	8580.57693	12530.34873	13663.40189	4708.09471	126476741	25471.60909	9.38108	8.77138
551573.13	4172824.91	10181.9127	13238.19466	11222.80227	5513.39343	133710855	20054.36573	10.92613	9.86449
551560.91	4172829.85	8550.20814	11986.41138	11156.17761	4648.79958	121093562	20217.28933	10.69331	9.86431
551550.51	4172833.23	7471.82244	11077.51585	10944.62372	4075.51495	111809305	20005.50418	12.34725	11.27711
CONCUNIT ug/	m^3								
DEPUNIT g/m^	2								

X	Y	Demolition Area 2A (Part 2 of 2 Phase 2) Annual PM2.5 w/Actual Emissions (ug/m3)	Construction Area 1B (Phase 1) Annual PM2.5 w/Actual Emissions (ug/m3)	Construction Area 2B (Part 1 of 2 Phase 2) Annual PM2.5 w/Actual Emissions (ug/m3)	Construction Area 2B and 2B/3B (Part 2 of Phase 2) Annual PM2.5 w/Actual Emissions (ug/m3)	Demolition Area 1A (Phase 1) Annual PM2.5 w/Actual Emissions (ug/m3)	Demolition Area 2A (Part 1 of 2 Phase 2) Annual PM2.5 w/Actual Emissions (ug/m3)	Route 1 - From the project site towards US-101 Annual PM2.5 w/Actual Emissions (ug/m3)	Route 2 - From US-101 towards the project site Annual PM2.5 w/Actual Emissions (ug/m3)	Total PM2.5 (ug/m3)
551713.24	4172969.7	2.42E-03	5.80E-02	5.05E-02	4.86E-03	7.13E-02	8.81E-02	3.24E-04	3.23E-04	2.75844E-01
551697.38	4172970.22	2.62E-03	3.77E-02	6.21E-02	5.22E-03	4.65E-02	1.08E-01	3.70E-04	3.67E-04	2.6293E-01
551713.76	4172948.38	3.97E-03	6.63E-02	2.95E-02	8.21E-03	8.22E-02	5.47E-02	3.13E-04	3.12E-04	2.45466E-01
551701.54	4172952.02	3.90E-03	4.73E-02	3.68E-02	7.99E-03	5.88E-02	6.81E-02	3.46E-04	3.44E-04	2.2363E-01
551708.04	4172931.49	7.21E-03	6.14E-02	1.95E-02	1.53E-02	7.70E-02	3.79E-02	3.22E-04	3.20E-04	2.19056E-01
551691.66	4172957.22	3.59E-03	3.50E-02	4.57E-02	7.23E-03	4.34E-02	8.44E-02	3.79E-04	3.77E-04	2.20026E-01
551695.04	4172935.91	6.55E-03	4.23E-02	2.38E-02	1.36E-02	5.30E-02	4.64E-02	3.58E-04	3.55E-04	1.86431E-01
551686.72	4172942.67	5.39E-03	3.30E-02	2.99E-02	1.09E-02	4.12E-02	5.83E-02	3.87E-04	3.84E-04	1.7952E-01
551661.39	4172861.8	2.17E-02	1.40E-02	5.39E-03	3.83E-02	1.78E-02	1.08E-02	5.52E-04	5.39E-04	1.0911E-01
551646.97	4172821.5	6.81E-03	1.47E-02	1.72E-02	1.12E-02	1.84E-02	3.89E-02	5.47E-04	5.39E-04	1.0831E-01
551625.66	4172929.04	3.70E-03	1.02E-02	1.84E-02	6.27E-03	1.27E-02	4.89E-02	7.27E-04	7.10E-04	1.0159E-01
551642.81	4172912.14	7.58E-03	1.37E-02	1.40E-02	1.21E-02	1.71E-02	3.11E-02	5.63E-04	5.55E-04	9.6777E-02
551639.95	4172903.04	8.43E-03	1.29E-02	1.18E-02	1.32E-02	1.62E-02	2.58E-02	5.77E-04	5.69E-04	8.9540E-02
551622.54	4172918.38	4.05E-03	9.72E-03	1.47E-02	6.79E-03	1.21E-02	3.66E-02	7.32E-04	7.15E-04	8.5369E-02
551656.71	4172846.73	1.50E-02	1.17E-02	4.46E-03	2.63E-02	1.48E-02	8.91E-03	7.01E-04	6.75E-04	8.2557E-02
551587.68	4172938.51	1.78E-03	6.16E-03	1.57E-02	3.08E-03	7.63E-03	4.73E-02	1.99E-03	1.85E-03	8.5476E-02
551618.9	4172908.76	4.32E-03	9.21E-03	1.23E-02	7.17E-03	1.15E-02	2.97E-02	7.49E-04	7.32E-04	7.5663E-02
551583.52	4172929.93	1.83E-03	5.91E-03	1.32E-02	3.15E-03	7.34E-03	3.80E-02	2.06E-03	1.92E-03	7.3444E-02
551579.37	4172916.41	1.93E-03	5.61E-03	1.05E-02	3.30E-03	6.98E-03	2.79E-02	2.03E-03	1.89E-03	6.0160E-02
551624.72	4172862.34	6.13E-03	8.24E-03	5.82E-03	9.97E-03	1.04E-02	1.22E-02	8.12E-04	7.89E-04	5.42977E-02
551613.18	4172880.16	4.37E-03	7.60E-03	7.35E-03	7.19E-03	9.52E-03	1.62E-02	8.18E-04	8.00E-04	5.38596E-02
551601.74	4172883.28	3.36E-03	6.68E-03	7.46E-03	5.59E-03	8.36E-03	1.71E-02	9.47E-04	9.22E-04	5.0424E-02
551620.04	4172851.95	5.44E-03	7.51E-03	5.14E-03	8.89E-03	9.44E-03	1.08E-02	9.65E-04	9.30E-04	4.91196E-02
551591.08	4172887.18	2.68E-03	5.96E-03	7.49E-03	4.49E-03	7.44E-03	1.78E-02	1.15E-03	1.11E-03	4.8103E-02
551573.39	4172898.22	1.91E-03	5.07E-03	7.71E-03	3.24E-03	6.31E-03	1.93E-02	2.08E-03	1.95E-03	4.7543E-02
551615.88	4172842.07	4.77E-03	6.87E-03	4.58E-03	7.81E-03	8.63E-03	9.63E-03	1.21E-03	1.16E-03	4.4651E-02
551623.3	4172824.65	4.90E-03	6.76E-03	3.69E-03	8.04E-03	8.51E-03	7.00E-03	2.10E-03	1.94E-03	4.3525E-02
551568.19	4172884.7	1.88E-03	4.71E-03	6.38E-03	3.18E-03	5.87E-03	1.55E-02	2.15E-03	2.02E-03	4.1668E-02
551612.9	4172824.39	3.99E-03	6.08E-03	3.72E-03	6.54E-03	7.64E-03	7.79E-03	2.30E-03	2.12E-03	4.0190E-02
551564.03	4172870.4	1.83E-03	4.37E-03	5.32E-03	3.07E-03	5.45E-03	1.26E-02	2.16E-03	2.04E-03	3.6822E-02
551600.16	4172823.87	3.15E-03	5.36E-03	3.71E-03	5.17E-03	6.73E-03	7.91E-03	2.50E-03	2.27E-03	3.6793E-02
551560.65	4172860.52	1.75E-03	4.12E-03	4.70E-03	2.92E-03	5.14E-03	1.09E-02	2.25E-03	2.12E-03	3.3938E-02
551557.27	4172852.21	1.67E-03	3.91E-03	4.27E-03	2.78E-03	4.88E-03	9.88E-03	2.38E-03	2.25E-03	3.1972E-02
551573.13	4172824.91	1.98E-03	4.13E-03	3.51E-03	3.25E-03	5.16E-03	7.74E-03	2.77E-03	2.53E-03	3.1075E-02
551560.91	4172829.85	1.66E-03	3.74E-03	3.48E-03	2.74E-03	4.67E-03	7.80E-03	2.72E-03	2.53E-03	2.9359E-02
551550.51	4172833.23	1.45E-03	3.46E-03	3.42E-03	2.41E-03	4.32E-03	7.72E-03	3.08E-03	2.90E-03	2.8753E-02

Mitigated PM2.5 Concentrations

Maximum DPM (ug/m3)	MIR UTM	
	X	Y
2.7584E-01	551713.24	4172969.7

UTM 551713.24 4172969.70
Latitude, Longitude 37°42'09.0"N 122°24'48.1"W
Note: 37°42'09.0"N 122°24'48.1"W is not a residence

Scenario 4

Cancer Risk Calculations Using OEHHA/BAAQMD Cancer Risk Assumptions
Existing Phase 4 Receptors—Midway Village Project
Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Infant
UTM: 551704.69 4173051.23 **UTM:** 551654.57 4172831.21

Cancer Potency Factor: 1.1 $(mg/kg\text{-}day)^{-1}$
Exposure Frequency 350 days/year
Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
3rd Trimester	0.574443749	10	361	0.85	0.25	6.6
0-1	0.574443749	10	1,090	0.85	0.68	54.7
1-<2	0.574443749	10	1,090	0.85	0.00	0.0
2-<3	0.574443749	3	631	0.85	0.58	8.0
3-<4	0.574443749	3	631	0.85	0.42	5.8
4-<5	0.574443749	3	631	0.85	0.73	10.2
5-<6	0.574443749	3	631	0.85	0.44	6.2
					Total	91.57

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
3rd Trimester	0.037130462	10	361	0.85	0.25	0.4
0-1	0.037130462	10	1,090	0.85	0.68	3.5
1-<2	0.037130462	10	1,090	0.85	0.00	0.0
2-<3	0.037130462	3	631	0.85	0.58	0.5
3-<4	0.037130462	3	631	0.85	0.42	0.4
4-<5	0.037130462	3	631	0.85	0.73	0.7
5-<6	0.037130462	3	631	0.85	0.44	0.4
					Total	5.92

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Child
UTM: 551704.69 4173051.23

Cancer Potency Factor: 1.1 $(mg/kg\text{-}day)^{-1}$
Exposure Frequency 350 days/year
Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Construction Period	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
All Phases	0.574443749	3	572	1	3.10	46.1
					Total	46.07

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Construction Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
All Phases	0.037130462	3	572	1	3.10	3.0
					Total	2.98

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Adult
UTM: 551704.69 4173051.23

Cancer Potency Factor: 1.1 $(mg/kg\text{-}day)^{-1}$
Exposure Frequency 350 days/year
Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Construction Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
All Phases	0.574443749	1	261	0.73	3.10	5.1
					Total	5.11

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Construction Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
All Phases	0.037130462	1	261	0.73	3.10	0.3
					Total	0.331

Existing Phase 4 Receptors—Midway Village Project

Estimates of Chronic Non-Cancer Hazard Index (CNCHI)

Unmitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM: 5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
551704.69	4173051.23	0.5744	0.5744	0.11489

Unmitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
551654.57	4172831.21	0.4904	0.4904

Mitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM: 5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
551654.57	4172831.21	0.0371	0.0371	0.00743

Mitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
551654.57	4172831.21	0.2138	0.2138

Existing Phase 4 Receptors—Midway Village Project

Existing Phase 4 Receptors Scenario Exposed to Phases 1+2+3 Demolition and Phases 1+2+3 Construction
Construction Annual DPM Emissions (DPM 2.5 Exhaust)

	Unmitigated Concentrations
Annual Average Onsite DPM Rate—Demolition Area 1A (Phase 1) (grams/m2/sec):	1.46E-06
Annual Average Onsite DPM Rate—Demolition Area 2A (Part 1 of 2 Phase 2) (grams/m2/sec):	8.71E-07
Annual Average Onsite DPM Rate—Demolition Area 2A (Part 1-2 of 2 Phase 2) (grams/m2/sec):	8.71E-07
Annual Average Onsite DPM Rate—Demolition Area 3A (Phase 3) (grams/m2/sec):	6.37E-07
Annual Average Onsite DPM Rate—Construction Area 1B (Phase 1) (grams/m2/sec):	9.48E-07
Annual Average Onsite DPM Rate—Construction Area 2B (Part 1 of 2 Phase 2) (grams/m2/sec):	8.39E-07
Annual Average Onsite DPM Rate—Construction Area 2B and 2B/3B (Part 2 of Phase 2) (grams/m2/sec):	8.39E-07
Annual Average Onsite DPM Rate—Construction Area 3B (Phase 3) (grams/m2/sec):	5.32E-07
Annual Average Offsite DPM Emission Rate - Road Segment 1 (grams/sec):	1.14E-05
Annual Average Offsite DPM Emission Rate - Road Segment 2 (grams/sec):	1.37E-05

X	Y	Unit Emissions Demolition Area 1A (Phase 1) SRC GP 7	Unit Emissions Demolition Area 2A (Part 1 of 2 Phase 2) SRCGP8	Unit Emissions Demolition Area 2A (Part 2 of 2 Phase 2) SRCGP1	Unit Emissions Demolition Area 3 A (Phase 3) SRCGP2	Unit Emissions Construction Area 1B (Phase 1) SRC GP 3	Unit Emissions Construction Area 2B (Part 1 of 2 Phase 2) SRCGP4	Unit Emissions Construction Area 2 B and 2B/3 B (Part 2 of Phase 2) SRCGP5	Unit Emissions Construction Area 3B (Phase 3) SRCGP6	Unit Emissions Route 1 - From the project site towards US-101 SRC GP 9	Unit Emissions Route 2 - From US-101 towards the project site SRCGP10	Demolition Area 1A (Phase 1) Annual DPM Exhaust	Demolition Area 2A (Part 1 of 2 Phase 2) Annual DPM Exhaust	Demolition Area 2A (Part 2 of 2 Phase 2) Annual DPM Exhaust	Demolition Area 3 A (Phase 3) Annual DPM Exhaust	Construction Area 1B (Phase 1) Annual DPM Exhaust	Construction Area 2B (Part 1 of 2 Phase 2) Annual DPM Exhaust	Construction Area 2B and 2B/3B (Part 2 of Phase 2) Annual DPM Exhaust	Construction Area 3B (Phase 3) Annual DPM Exhaust	Route 1 - From the project site towards US-101 Annual DPM Exhaust	Route 2 - From US-101 towards the project site Annual DPM Exhaust	Total	Unmitigated DPM Concentrations
																						DPM	Maximum
												w/Actual Emissions	w/Actual Emissions	w/Actual Emissions	w/Actual Emissions	w/Actual Emissions	w/Actual Emissions	w/Actual Emissions	w/Actual Emissions	w/Actual Emissions	w/Actual Emissions		
												(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	
55165.457	41728.31.21	3.2822.941 71	190.26.38 252	5429.6.5.0246	229.637.7714	3.1998.5.75 24	11730.78 746	3004.2.4.0367	111.908.6816	4.0.6938	3.7.6524	4.79E-02	1.66E-02	4.73E-02	1.46E-01	3.01E-02	2.5.2E-02	5.96E-02	4.64E-05	5.18E-05	4.9481 E-0 1		
55171.6.7.6	41728.28.57	5.4546.747 92	13707.53.485	8853.2.2.7527	908.83.5.0.175	5.2508.888.26	7903.074 7	3018.6.0.0969	664.64.36045	1.3.5009	1.3.1586	7.96E-02	1.19E-02	7.71E-02	5.79E-02	4.98E-02	6.63E-03	2.53E-02	1.54E-05	1.81E-05	5.1234 E-0 1	5.7.44E-01	551 704.69
55164.9.8.9	41728.15.61	2.7849.112 37	16320.05.325	3861.3.4.8378	175.673.4734	2.7191.434.62	10022.68.468	2068.4.3.7253	766.35.09629	8.3.5339	7.3.4985	4.07E-02	1.42E-02	3.36E-02	1.12E-01	2.58E-02	8.41E-03	1.74E-02	4.08E-02	9.52E-05	1.01E-04	3.8138 E-0 1	
55170.4.6.9	41730.51. 23	6.9409.206 01	13809.2.6.518	4112.9403.9	203.32.5.7578	6.5770.7.68.12	60799.63.065	2.539.9613.4	266.96.27124	1.6.8431	1.6.5381	9.26E-02	1.20E-01	3.58E-03	1.29E-02	6.21E-02	5.10E-02	2.13E-03	1.31E-02	1.92E-05	2.27E-05	5.7444 E-0 1	MIR
55169.7.0.4	41730.56.12	5.2.563.6.37 71	1.2655.6.7.739	4.010.2974 1	198.52.7.6327	5.4172.200.96	56967.92.672	2.466.2993 1	239.46.90344	1.8.5585	1.8.1999	7.64E-02	1.10E-01	3.49E-03	1.26E-02	5.13E-02	4.78E-02	2.07E-03	1.27E-02	2.12E-05	2.50E-05	5.0689 E-0 1	UTM
55171.5.6.4	41728.18.43	462.88.8794	1.2255.28.406	599.70.528	845.56.6.9979	4.4688.1.47.53	71.33.7.9459	2200.41.1594	563.60.31331	1.455	1.4173	6.76E-02	1.07E-02	5.22E-02	5.38E-02	4.24E-02	5.99E-03	1.85E-02	3.00E-02	1.66E-05	1.95E-05	4.1163 E-0 1	Latitude Longitude
55174.4.8.4	41730.71. 22	1.0.4.9.4.43.06	59254.54.434	2.832.3845.6	128.53.3.2413	1.1.0330.63.38	24493.01.965	1.734.3293 1	147.61.2.2127	1.2.3703	1.2.182	1.48E-01	5.16E-02	2.47E-03	8.18E-03	1.05 E-0 1	2.06E-02	1.46E-03	7.86E-03	1.41E-05	1.67E-05	5.4710 E-0 1	
55168.5.7.3	41730.62.85	4.0931.2.69 75	1.0618.9.8.322	3.857.0456 3	192.64.0.4168	4.2237.443.57	51801.53.687	2.357.0858 4	230.03.6.4617	2.1.7648	2.1.2961	5.97E-02	9.25E-02	3.36E-03	1.23E-02	4.00 E-0 2	4.35E-02	1.98E-03	1.22E-02	2.48E-05	2.93E-05	4.2123 E-0 1	
55169.5.4.8	41728.05. 94	3.6107.5.60 33	11.781. 15.238	4439.2.5.5096	876.18.5.9063	3.5913.898 37	70.910.5.2.77	1807.3.1.291.3	476.43.5.2675	2.3.88 3	2.2.866 6	5.27E-02	1.03E-02	3.86E-02	5.58E-02	3.32 E-0 2	5.95E-03	1.52E-02	2.54E-02	2.72E-05	3.12E-05	3.3858 E-0 1	
55174.8.3.1	41730.78.63	8.8179.6.96.52	46317.55.488	2.614.4370 3	1.1698.59.65	9.6729.380.28	20540.75.887	1.595.7659 4	132.78.4.1128	1.2.2328	1.2.0459	1.29E-01	4.03E-02	2.28E-03	7.45E-03	9.17 E-0 2	1.72E-02	1.34E-03	7.07E-03	1.39E-05	1.66E-05	4.6746 E-0 1	
55170.4.9.2	41728.02.82	3.6248..492 02	1.0668..83 831	3.81.29.2.77 1	7.45.59.2.9255	3.5138.1.64.62	63.35.7.9631	1.518.9.0.3363	4.25.75.4.1.559	1.8.0559	1.7.4078	5.29E-02	9.29E-03	3.32E-02	4.75E-02	3.16 E-0 2	5.32E-03	1.27E-02	2.27E-02	2.06E-05	2.40E-05	3.1237 E-0 1	
55175.2.2.9	41730.85.84	7.6810.469 11	3.7986.38.452	2.433.0.8.85.9	107.75.2.9251	8.4406.913.41	17659.84.982	148.0.9.863	1.2.1.09.72.37	1.2.0182	1.1.8349	1.12E-01	3.31E-02	2.12E-03	6.86E-03	8.00 E-0 2	1.48E-02	1.24E-03	6.45E-03	1.37E-05	1.63E-05	4.0404 E-0 1	
55167.4.7.2	41730.72.64	3.1816..886 08	8263.3.08.352	3.582.1.8.89.5	1.80.36.9.1.784	3.2749.1.64.05	42.688.6.625	2.1.73.2.341.9	212.05.2.5.865	2.4.848	2.4.1.267	4.64E-02	7.20E-02	3.12E-03	1.15E-02	3.10 E-0 2	3.58E-02	1.82E-03	1.13E-02	3.06E-05	3.59E-05	3.3455 E-0 1	
55171.5.0.6	41727.99.44	3.5315..610 61	97.47.6.4894	3.0883..665 5	650.97.9.3181	3.4245..243.74	57.15.2.6.8.88	1.2.75.9.8.7527	384.06.5.2.465	1.4.85 6	1.4.5212	5.15E-02	8.49E-03	2.69E-02	4.15E-02	3.25 E-0 2	4.80E-03	1.07E-02	2.04E-02	1.69E-05	2.00E-05	2.8377 E-0 1	
55163.5.8.8	41730.76. 31	2.0035.752 68	80798.81.987	3.451.1.627 8	1.94.59.2.0029	2.0639..746 29	44296.1.8.358	2.0.56.4.263 7	2.2.4.7.1.0.564	7.9.9.133	7.0.1.717	2.92E-02	7.04E-02	3.01E-03	1.24E-02	1.94 E-0 2	3.72E-02	1.73E-03	1.24E-02	8.42E-05	9.65E-05	2.8846 E-0 1	
55175.5.1.6	41730.91. 03	6.4816..663 46	32026.82.436	228.2.0.251	100.1.4.8.3.5.4	7.0986.5.7.3.96	15433.66.488	1.385.5897 6	1.1.1.4.6.1.8589	1.1.9286	1.1.7455	9.46E-02	2.79E-02	1.99E-03	6.38E-03	6.73 E-0 2	1.29E-02	1.16E-03	5.93E-03	1.36E-05	1.61E-05	3.4272 E-0 1	
55168.0.8.3	41730.81. 2	3.1.3.7.6.2.93.42	63.998. 1.164	3.2.7.7.6.8.9.0.9	159.85.6.4.9.1.7	323.9.3.1.7.94	32925.83.907	1.987.5.0.6.0.8	184.61.3.7.4.2.3	2.5.4.5.1.3	2.4.7.9.1.2	4.58E-02	5.57E-02	2.85E-03	1.02E-02	3.07 E-0 2	2.76E-02	1.67E-03	9.83E-03	2.90E-05	3.41E-05	2.8885 E-0 1	
55173.7.9.3	41730.93. 18	5.9661.0.0.0.73	35738.57.931	2.448.1.4.6.5.2	1.0.6.9.8.8.6.2.3.4	5.7957.4.0.6.6.4	17652.41.6.1.6	1.483.4.7.2.8.1	1.1.9.5.2.9.2.0.2.3.2	1.3.8.2.5.3	1.3.5.9.2.3	7.83E-02	1.11E-02	2.13E-03	6.81E-03	5.48 E-0 2	1.43E-02	1.24E-03	6.36E-03	1.58E-05	1.87E-05	3.0677 E-0 1	
55163.9.8.6	41730.886 4	1.9400.9.0.6.1 1	59935.79.543	3.1.7.8.9.0.1.9.6	1.7.1.2.7.9.7.6.2.2	1.9820..781.84	33674.75.864	1.895.5.5.4.8.1.6	2.0.2.6.5.3.2.3.8.6	7.2.4.8.8	6.8.8.0.4	2.83E-02	5.22E-02	2.77E-03	1.10E-02	1.88 E-0 2	2.83E-02	1.5.9E-03	1.08E-02	8.26E-05	9.46E-05	2.3721 E-0 1	
55173.1.7.4	41730.96. 94	4.6312.218 73	3.4.4.1.0.1.2.6.3	2.4.3.1.6.3.7.6.8	1.0.6.6.1.3.5.7.4.6	4.9.6.5.1.5.5.3.7.3	1.6.6.9.1.4.8.1.7.9	1.4.7.7.9.3.2.3.9	1.1.8.7.3.1.8.0.4.9.7	1.4.7.8.1.3	1.4.5.2	6.76E-02	3.01E-02	2.12E-03	6.79E-03	4.69 E-0 2	1.40E-02	1.24E-03	6.32E-03	1.68E-05	2.00E-05	2.7499 E-0 1	
55169.0.0.1	41730.93. 13	3.0.7.1.7.2.0.8.1.9	4.6.5.4.6.5.5.0.0.4	2.8.9.0.4.5.0.9.2	1.3.5.4.1.3.2.4.2.1	3.1.8.4.9..8.7.6.9.3	2.3.7.1.0.2.3.4.6.5	1.7.5.0.5.2.2.9.7	1.5.3.2.1..8.9.1.0.6	2.3.4.6.0.3	2.2.8.8.5.6	4.48E-02	4.05E-02	2.52E-03	8.62E-03	3.02 E-0 2	1.99E-02	1.47E-03	8.16E-03	2.67E-05	3.15E-05	2.4419 E-0 1	
55173.3.7.3	41731.04.89	4.0141.4.6.8.0.7	2.9.1.6.4.1.8.3.0.4	2.2.7.4.7.3.5.5.7	9.8.8.1.3.0.1.6.4	4.2.7.5.8.0.2.2.8	1.4.0.9.9.6.2.7.8.9.2	1.3.7.7.8.9.0.7.6	1.0.8.7.8..8.5.9.6	1.4.9.5.4.2	1.4.5.8.7	5.86E-02	2.53E-02	1.98E-03	6.29E-03	4.05 E-0 2	1.21E-02	1.14E-03	5.79E-03	1.69E-05	2.01E-05	2.3773 E-0 1	
55164.3.2.2	41731.03.77	1.7973..688 46	4263.6.4.9.8.4	2.8.3.1..8.4.7.7.1	1.4.9.1.9..4.2.5.1.8	1.8.3.8.6..0.9.2.5.9	2.6.4.5.2.1.7.1.7	1.6.8.7..6.8.3.0.1	1.7.0.3.1.1.1.7.5.5	7.7.6.4	7.3.2.0.3.3	2.62E-02	3.71E-02	2.47E-03	9.58E-03	1.74 E-0 2	2.05E-02	1.43E-03	9.07E-03	8.85E-05	1.01E-04	1.8979 E-0 1	
55172.1.1.3	41731.11.96	3.2033..124 75	27.656. 2531	2.266..2880 3	9906.9.29.47	3.3689.0.18.0.1	1.3920.2.3.0.5.8	1.369.7908 9	1.0.8.4.4.3.8.6.6	1.7.2.5 9	1.6.9.1.2.5	4.68E-02	2.41E-02	1.97E-03	6.31E-03	3.19 E-0 2	1.17E-02	1.15E-03	5.77E-03	1.97E-05	2.33E-05	2.0252 E-0 1	
55171.8.2.3	41731.12. 37	2.9223..630 76	2.9.0.4.1.2.4.5.7.5	2.3.4.2.5.0.8.1.8	1.0.1.8.3..8.0.3.8.2	3.0.5.4.5.3.2.1.3.9	1.4.7.5.4.5.0.9.6.7	1.4.1.4.7.8.2.5.4	1.1.3.9.6.4.5.0.2.4.6	1.9.1.6.1.9	1.9.1.3.6.3	4.27E-02	2.53E-02	2.04E-03	6.41E-03	2.90 E-0 2	1.24E-02	1.19E-03	6.07E-03	2.23E-05	2.63E-05	1.9523 E-0 1	
55164.8.4.2	41731.09.03	1.7659.667 21	3607.4.5.0.7.1.5	2.6.5.6.5.3.9.9.1	1.3.6.2.6..2.1.2.4.4	1.8.3.8.5..8.1.9.4.4	2.0.6.5.2.1.5.4.3.8	1.5.8.4.1.3.8.4.8	1.5.3.4.8.9.4.2	7.1.4.4.9	6.7.3.6.6.5	2.58E-02	3.14E-02	2.31E-03	8.68E-03	1.71 E-0 2	1.73E-02	1.33E-03	8.17E-03	8.14E-05	9.26E-05	1.7184 E-0 1	
5.5.1.7.0.1.6	41731.16.57	2.6278..350 37	2764.7.2.0.7.6	2.3.1.3.2.1.8.3	1.0.3.3.0..9.5.1.3.9	2.7.5.6.3.3.0.9.3.9	1.4.2.9.0.5.3.5.4.8	1.3.9.4.5.4.5.3.7	1.1.3.0.6..3.7.5.7	2.1.6.1.0.5	2.1.1.0.2.1	3.84E-02	2.41E-02	2.01E-03	6.58E-03	2.59 E-0 2	1.17E-03	1.20E-02	6.02E-03	2.46E-05	2.90E-05	1.8065 E-0 1	
5.5.1.6.5.1.5	41731.16.67	1.7673..322 66	3116.2.2.4.0.1.8	1.2.4.9.9..6.1.3.0.1	1.8.1.2.5..3.7.5.0.8	1.7.6.7.3..8.0.0.6.4	1.4.9.0..9.1.7.0.7	1.3.8.6.6.2.0.6.0.9	6.1.7.5.2.3	5.8.4.3.0.1	5.8.4.3.0.1	2.58E-02	2.71E-02	2.18E-03	7.93E-03	1.72 E-0 2	1.48E-02	1.25E-03	7.38E-03	7.04E-05	8.03E-05	1.5895 E-0 1	
55169.6.5.3	41731.20.32	2.3810.1.3.2.9.5	2656.2.0.6.0.2.3	1.0.3.3.1..6.3.5.1.5	2.4.7.0.6..6.2.6.1.8	1.3.9.7.0.5.8.6.4	2.1.2.9.7.2.2.5.8.8	1.3.7.8..1.9.4.6.9	1.1.2.8.7.2.2.5.8.8	2.4.3.2.1.6	2.3.4.5.6.7	3.48E-02	2.31E-02	1.99E-03	6.58E-03	2.34 E-0 2	1.17E-02	1.14E-03	6.01E-03	2.77E-05	3.25E-05	1.6871 E-0 1	
55168.8.4.4	41731.24.22	2.1457..891 09	2553.9.6.9.7.1.8	2.2.6.5.5.9.7.3.1.8	1.0.3.5.6..5.5.8.4.4	2.2.3.3.5.5.2.8.7.6	1.3.6.0.1.5.4.9.2	1.3.6.0.2.8.1.4.4	1.1.2.9.5.7.2.5.5	3.1.1.8.0.2	2.7.6.3.1.2	3.13E-02	2.22E-02	1.97E-03	6.59E-03	2.10 E-0 2	1.15E-02	1.14E-03	6.01E-03	3.25E-05	3.80E-05	1.5741 E-0 1	
55167.7.6.1	41731.36.04	1.7561..670 36	2.1920.0.5.7.3.5	2.1.2.3..9.5.2.7.2	9.8.7.6.1.6.5.0.1	1.8.0.8.5..2.2.3.6.6	1.2.1.5.4.6.2.5.5	1.2.6.9.2.3.7.8	1.0.6.8.8.0.6.1.9	3.9.4.8.1.8	3.7.8.0.6.8	2.56E-02	1.91E-02	1.85E-03	6.29E-03	1.71 E-0 2	1.02E-02	1.04E-03	5.69E-03	4.50E-05	5.20E-05	1.3363 E-0 1	
55167.0.9.8	41731.40.24	1.6176..631 54	2.0919.4.1.8.1.3	2.0.8.0..4.6.8.7.9	9.7.9.4..8.0.9.5.4	1.6.6.2.7..6.0.3.4.9	1.1.7.9.8..4.2.7.9.4	1.2.4.0.9.1.5.1.2	1.0.5.8.1.9.8.5.8	4.9.0.9.7.6	4.6.6.6.6.6	2.36E-02	1.82E-02	1.81E-03	6.24E-03	1.58 E-0 2	9.90E-03	1.04E-03	5.63E-03	5.60E-05	6.42E-05	1.2600 E-0 1	
55166.3.9.1	41731.44	1.5001..783 35	2.0.2.3.9.1.5.3.4	2.0.4.0..6.7.6.9.8	9.7.3.8..8.0.7.3.9	1.5.3.9.4.0.4.8.3.9	1.1.5.1.2.3.9.7.9	1.2.1.4.6.7.9.3.7	1.0.5.1.5.3.8.8.7.9	6.4.1.9.7.6	6.0.3.8.8.9	2.19E-02	1.76E-02	1.78E-03	6.20E-03	1.46 E-0 2	9.66E-03	1.02E-03	5.60E-03	7.32E-05	8.30E-05	1.1983 E-0 1	
55165.5.8.2	41731.47.89	1.3778..698 99	1.9434.9.5.9.6.9	2.0.8.5.1.0.2.2.2	9.7.1.1.0.0.7.2.8	1.4.1.1.3.9.2.4.6.2	1.1.2.5.7.2.8.2.1.3	1.1.8.7.7.7.3.5.1	1.0.4.7.2.0.3.9.0.5	9.3.9.4.8.8	8.6.8.6.2.1	2.01E-02	1.69E-02	1.74E-03	6.18E-03	1.34 E-0 2	9.45E-03	9.97E-04	5.57E-03	1.07E-04	1.19E-04	1.1337 E-0 1	
CONCUNIT: ug/	m^3																						
DEPUNIT: m/s^	2																						

Construction Health Risk Assessment Files

Existing Phase 4 Receptors—Midway Village Project

Existing Phase 4 Receptors Scenario: Exposure Phases 1+2+3 Demolition and Phases 1+2+3 Construction
Construction Annual Total PM2.5 Emissions (PM2.5 Total)

	Unmitigated Concentrations
Annual Average Onsite Total PM2.5 Emission Rate—Demolition Area 1A (Phase 1) (grams/m2/sec):	1.59E-06
Annual Average Onsite Total PM2.5 Emission Rate—Demolition Area 2A (Part 1 of 2 Phase 2) (grams/m2/sec):	1.13E-06
Annual Average Onsite Total PM2.5 Emission Rate—Demolition Area 2A (Part 1/2 of 2 Phase 2) (grams/m2/sec):	1.13E-06
Annual Average Onsite Total PM2.5 Emission Rate—Demolition Area 3A (Phase 3) (grams/m2/sec):	8.62E-07
Annual Average Onsite Total PM2.5 Emission Rate—Construction Area 1B (Phase 1) (grams/m2/Axe):	1.44E-06
Annual Average Onsite Total PM2.5 Emission Rate—Construction Area 2B (Part 1 of 2 Phase 2) (grams/m2/Axe):	1.02E-06
Annual Average Onsite Total PM2.5 Emission Rate—Construction Area 2B and 2B/3B (Part 2 of Phase 2) (grams/m2/sec):	1.02E-06
Annual Average Onsite Total PM2.5 Emission Rate—Construction Area 3B (Phase 3) (grams/m2/Axe):	1.21E-06
Annual Average Offsite Total PM2.5 Emission Rate - Road Segment 1 (grams/Axe):	3.62E-04
Annual Average Offsite Total PM2.5 Emission Rate - Road Segment 2 (grams/Axe):	3.66E-04

X	Y	Unit Emissions Demolition Area 1A (Phase 1) SRCID 7	Unit Emissions Demolition Area 2A (Part 1 of 2 Phase 2) SRCID 8	Unit Emissions Demolition Area 2A (Part 2 of 2 Phase 2) SRCID 9	Unit Emissions Demolition Area 3 A (Phase 3) SRCID 2	Unit Emissions Construction Area 1B (Phase 1) SRCID 3	Unit Emissions Construction Area 2B (Part 1 of 2 Phase 2) SRCID 4	Unit Emissions Construction Area 2 B and 2B/3 B (Part 2 of Phase 2) SRCID 5	Unit Emissions Construction Area 3B (Phase 3) SRCID 6	Unit Emissions Route 1 - From the project site towards US-101 SRCID 9	Unit Emissions Route 2 - From US-101 towards the project site SRCID 10
551654.57	4172831.21	3.26E2-941.71	1.90E6-38.252	5.42E6-5.02E6	2.29E6-37.714	3.19E8-575.24	1.17E8-78.746	3.00E4-2.61E6	1.11E8-08.616	4.01E6-0.0938	3.76E6-24
551716.76	4172828.57	5.45E6-747.92	1.37E7-53.485	8.85E6-2.27E7	9.08E6-3.61E7	5.25E8-888.26	7.90E6-074.7	3.01E6-0.0969	6.64E6-36.045	1.35E6-09	1.31E6-86
551649.89	4172815.61	2.78E6-112.37	1.63E6-05.325	3.86E-3-4.83E78	1.75E6-73.4734	2.71E6-434.62	1.00E2-68.468	2.06E-4-3.72E3	7.66E3-5.09E29	8.35E3-539	7.34E6-985
551706.69	4172831.23	6.94E6-206.01	1.38E6-26.518	4.11E-2-940.9	2.01E2-57.578	6.57E3-748.12	6.07E9-10.065	2.12E-9-613.4	2.46E-96.271.24	1.63E-4-931	1.65E3-81
551697.04	4172756.12	5.23E3-637.71	1.26E5-07.739	4.01E-2-974.1	1.98E2-76.327	5.41E2-000.96	5.69E7-92.672	2.46E-2-993.1	2.39E-46.903.44	1.85E-585	1.81E999
551713.64	4172818.43	4.62E8-9.8794	1.22E5-28.406	5.99E7-0.528	8.45E6-65.979	4.46E8-9.147.53	7.13.7 E-9.459	2.20E-4-1.159.4	5.63E-03.313.31	1.45E-5	1.41E73
551748.64	4172871.22	1.01E6-9.4106	5.92E4-54.636	2.81E2-3.88E6	1.28E5-3.32E13	1.10.3E3-63.38	2.46E9-01.965	1.73E-4-3.29E3	1.67E-1-21.127	1.23E7-03	1.21E2-8
551685.73	4172062.85	4.05E1-249.75	1.06E8-9.8.322	3.85E7-0.456.3	1.92E6-4.04.168	4.22E7-4.43.57	5.18E1-53.687	2.35E7-0.858.4	2.30E-03.646.17	2.17E-69	2.12E61
551693.48	4172805.94	3.61E7-540.03	1.17E1-15.238	4.62E-2-5.09E6	8.7E-1E-9.90E3	3.50E1-3.89E37	7.07.91E-5.277	1.80E7-3.1.291.3	4.76E-45.526.75	2.38E-3	2.26E-6
551748.31	4172078.63	8.81E7-8.696.52	4.63E7-55.488	2.61E-4-6.37.0.3	1.16E8-59.65	9.67.29.38E-28	2.05.40.75.88E7	1.59.5-7.459.4	1.32.7E-4-1.128	1.2.23.28	1.2.04.59
551704.92	4172802.82	3.62.48.49.2.02	1.06.6E-8.3.831	3.81.29.27.7.1	7.46.59.2.92.55	3.51.3E-1.66.62	6.3.1.35.7.96.31	1.51.8.9.3.0.3.63	4.25.7E-4.1.359	1.8.0.5.59	1.7.46.78
551752.29	4172085.04	7.68.1.0.469.11	3.79.8E-3.8.452	2.43.3.0.895.9	1.07.7E-5.292.51	8.44.0.6.913.41	1.76.5.9.84.982	1.48.0.9.63	1.21.0.9.-7.2.37	1.2.0.1.82	1.1.8.3.49
551674.72	4172072.64	3.18.1.6.886.08	8.26.1.3.08.352	3.58.2.1.809.5	1.80.3.6.91.784	3.27.4.9.1.64.05	4.2.6.8.8.6.625	2.1.7.3.2.3.41.9	2.1.2.0.0.-2.5.8.65	2.6.8.4.8	2.6.1.2.67
551715.26	4172799.44	3.15.1.5.6.1.0.6.1	9.7.4.7.-6.4.8.8.4	3.0.8.8.3.-6.6.0.5.5	6.5.0.9.7.-9.3.3.1.81	3.4.2.6.5.-2.4.9.7.4	5.7.1.5.2.-6.8.8.8	1.2.7.5.9.-1.8.7.5.27	1.4.7.5.-6.6.-1.4.8.8	1.4.5.2.1.2	1.4.5.2.1.2
551653.88	4172076.31	2.00.3.5.-7.5.2.6.8	8.0.7.9.8.-8.1.9.8.7	3.4.5.1.-1.6.2.2.7.8	1.9.4.5.9.-2.0.0.2.9	2.0.4.3.9.-7.4.6.2.9	4.4.2.9.6.-1.8.3.5.8	2.0.5.6.-4.2.6.3.7	2.3.2.4.7.-1.0.5.6.4	7.3.9.1.3.3	7.0.1.7.1.7
551755.16	4172076.63	6.48.1.6.-6.6.3.4.6	3.2.0.2.6.-8.2.4.0.6	2.2.8.2.0.-2.5.1.1	1.0.0.1.4.-8.8.1.5.4	7.0.9.8.6.-5.7.3.1.9.6	1.5.4.3.3.-6.6.4.8.8	1.3.8.5.-5.8.8.7.6	1.1.1.4.6.-1.8.5.8.9	1.1.9.3.8.6	1.1.7.4.5.5
551680.83	4172081.2	3.13.7.6.-2.9.3.4.2	6.3.9.9.8.-1.1.6.6.4	3.2.7.7.-6.8.9.0.9	3.2.3.9.3.1.-7.9.4	3.9.8.7.-5.0.6.0.8	1.8.4.6.3.-3.7.4.2.3	2.5.4.5.1.3	2.4.7.9.1.2		
551737.93	4172078.18	5.36.6.1.-0.0.0.7.3	3.5.7.7.8.-5.7.9.3.1	2.4.4.0.-4.1.6.5.2	1.0.6.9.8.-8.4.2.3.4	5.7.8.5.7.-6.0.6.6.4	1.7.6.2.2.-6.1.6.1.6	1.4.8.1.-4.7.2.8.1	1.1.9.7.2.-2.3.0.2.2	1.3.9.5.9.2.3	
551639.86	4173086.4	1.94.0.0.-9.0.6.1.1	5.9.9.3.5.-7.9.5.4.3	3.1.7.8.-9.0.1.9.6	1.7.3.2.7.-9.7.8.2.2	1.9.8.2.0.-7.8.1.8.4	3.3.6.7.4.-7.5.8.6.4	2.0.2.6.5.-3.8.8.4.7	7.2.4.8.8	6.8.8.0.4	
551731.74	4173081.2	3.13.7.6.-2.9.3.4.2	6.3.9.9.8.-1.1.6.6.4	3.2.7.7.-6.8.9.0.9	3.2.3.9.3.1.-7.9.4	3.9.8.7.-5.0.6.0.8	1.8.4.6.3.-3.7.4.2.3	2.5.4.5.1.3	2.4.7.9.1.2		
551737.93	4173078.18	5.36.6.1.-0.0.0.7.3	3.5.7.7.8.-5.7.9.3.1	2.4.4.0.-4.1.6.5.2	1.0.6.9.8.-8.4.2.3.4	5.7.8.5.7.-6.0.6.6.4	1.7.6.2.2.-6.1.6.1.6	1.4.8.1.-4.7.2.8.1	1.1.9.7.2.-2.3.0.2.2	1.3.9.5.9.2.3	
551731.74	4173086.4	1.94.0.0.-9.0.6.1.1	5.9.9.3.5.-7.9.5.4.3	3.1.7.8.-9.0.1.9.6	1.7.3.2.7.-9.7.8.2.2	1.9.8.2.0.-7.8.1.8.4	3.3.6.7.4.-7.5.8.6.4	2.0.2.6.5.-3.8.8.4.7	7.2.4.8.8	6.8.8.0.4

Existing Phase 4 Receptors—Midway Village Project

Existing Phase 4 Receptors Scenario Exposure Phases 1+2+3 Demolition and Phases 1+2+3 Construction
Construction Annual DPM Emissions (PM2.5 Exhaust)

Mitigated Concentrations

Annual Average Onsite DPM Rate—Demolition Area 1A (Phase 1) (grams/m2/sec):	6.24E-08
Annual Average Onsite DPM Rate—Demolition Area 2A (Part 1 of 2 Phase 2) (grams/m2/sec):	5.78E-08
Annual Average Onsite DPM Rate—Demolition Area 2A (Part 1-2 of 2 Phase 2) (grams/m2/sec):	5.78E-08
Annual Average Onsite DPM Rate—Demolition Area 3A (Phase 3) (grams/m2/sec):	4.96E-08
Annual Average Onsite DPM Rate—Construction Area 1B (Phase 1) (grams/m2/sec):	9.83E-08
Annual Average Onsite DPM Rate—Construction Area 2B (Part 1 of 2 Phase 2) (grams/m2/sec):	2.05E-07
Annual Average Onsite DPM Rate—Construction Area 2B and 2B/3B (Part 2 of Phase 2) (grams/m2/sec):	2.05E-07
Annual Average Onsite DPM Rate—Construction Area 3B (Phase 3) (grams/m2/sec):	6.84E-08
Annual Average Offsite DPM Emission Rate - Road Segment 1 (grams/sec):	1.14E-05
Annual Average Offsite DPM Emission Rate - Road Segment 2 (grams/sec):	1.37E-05

X	Y	Unit Emissions Demolition Area 1A (Phase 1) SRCID 7	Unit Emissions Demolition Area 2A (Part 1 of 2 Phase 2) SRCID 8	Unit Emissions Demolition Area 2A (Part 2 of 2 Phase 2) SRCID 9	Unit Emissions Demolition Area 3A (Phase 3) SRCID 2	Unit Emissions Construction Area 1B (Phase 1) SRCID 3	Unit Emissions Construction Area 2B (Part 1 of 2 Phase 2) SRCID 4	Unit Emissions Construction Area 2B and 2B/3B (Part 2 of Phase 2) SRCID 5	Unit Emissions Construction Area 3B (Phase 3) SRCID 6	Unit Emissions Route 1 - From the project site towards US-101 SRCID 9	Unit Emissions Route 2 - From US-101 towards the project site SRCID 10
551654.57	4172831.21	3.28E2	941.71	190.36	38.252	5429.65	0246	229.637	7714	3.199E	575.24
551716.76	4172828.57	5.454E	747.92	137.07	53.485	8853.22	7527	908.81	561.75	5.250E	888.26
551649.89	4172815.61	2.784E	112.37	163.20	5.325	3861.34	8378	175.673	4734	2.719L	434.62
551704.69	4173051.23	6.340E	206.01	138.09	2.618	4.112	9401	9	203.32	575.78	748.12
551697.04	4173056.12	5.234E	637.71	1.265E	0.739	4.01E	3974.1	198.52	763.27	5.417L	000.96
551713.64	4172818.43	462.88	8794	1.225E	28.406	599.70	528	845.56	659.79	4.468L	147.53
551748.4	4173071.22	1.014E	41.06	592.54	434	2.81E	3845.6	128.53	324.13	1.103E	63.38
551685.7	4173062.85	4.093L	249.75	1.061E	9.822	3.85L	0456.3	192.64	041.68	4.223L	443.57
551693.48	4172805.94	3.610L	540.01	1.178L	15.238	4428.2	5.509E	876.18	5.906E	3.501L	898.97
551748.31	4173078.63	8.817E	696.52	4.631L	55.488	2.61L	4.377.3	1.169E	39.663	9.672L	382.28
551704.92	4172802.82	3.624E	492.02	1.066E	83.831	3.812L	277.1	745.59	29.255	3.513L	146.62
551752.29	4173085.04	7.681L	469.11	1.758L	38.452	2.43L	0899.9	107.75	29.251	8.440L	913.41
551674.72	4173072.64	3.181E	886.08	8.261L	08.352	3.58L	1809.5	180.96	91.784	3.274L	164.05
551715.06	4172799.44	3.151L	610.61	97.47	648.94	3.088L	665.5	650.97	931.81	3.424L	243.74
551653.88	4173076.31	2.003L	752.68	807.98	81.987	3.451L	1627.8	194.59	2.0029	2.043L	746.29
551755.16	4173091.63	6.481L	663.46	3.202E	82.436	228.10	251	100.14	83.154	7.098L	579.96
551680.83	4172881.2	3.117L	293.42	63.998	1.164	3.277	689.9	159.85	649.17	323.91	1.794
551779.79	4173093.18	5.366L	000.73	357.39	57.931	2.44L	4165.2	106.98	842.34	5.785L	606.64
551639.86	4172886.4	1.940L	906.11	599.93	79.543	3.17L	903.96	173.27	978.22	1.982L	781.84
551731.74	4173096.94	4.631L	218.73	34.61	0.1263	2.43L	637.68	106.61	357.46	4.945L	553.73
551690.01	4173093.13	3.071T	208.19	465.66	59.004	2.89L	4509.2	135.43	224.21	3.184L	876.93
551733.73	4173104.89	4.014L	468.07	291.04	18.304	2.27L	7335.7	988	1.301.64	427.58	0.228
551643.22	4173100.77	1.797L	688.46	426.36	49.984	2.83L	8473.1	149.19	4.2018	1.838L	092.59
551721.13	4173111.96	3.203L	124.75	27.656	25.31	2.26L	2880.3	996	929.47	3.368L	018.01
551710.23	4173112.37	2.922L	630.76	290.41	24.573	2.94L	5081.8	1033.8	30.082	3.054L	321.39
551648.42	4173109.03	1.765L	667.21	360.74	50.715	2.65L	5399.1	136.26	2.1244	1.838L	819.44
551703.6	4173116.57	2.627B	350.37	276.47	22.876	231.32	183	103.30	9519	2.736D	309.39
551651.5	4173116.67	1.767L	322.66	311.62	24.818	2.49L	1365.1	124.49	613.01	1.812L	375.08
551696.53	4173120.32	2.981L	132.95	265.62	06.023	229.04	002	103.31	635.15	2.470L	626.18
551668.44	4173124.22	2.145T	891.09	253.33	69.718	2.26L	5973.8	103.56	5.5444	2.219L	528.79
551677.61	4173136.04	1.756L	670.96	210.00	05.735	2.12L	5527.2	98.74	165.01	1.880L	223.66
551670.98	4173140.24	1.617L	631.54	209.13	41.813	2.08L	4687.9	97.94	809.54	1.662T	603.49
551663.91	4173.144	1.500L	783.35	201.28	1.534	2.04L	0749.8	97.38	807.39	1.539L	048.39
551653.82	4173147.89	1.377B	698.99	194.84	95.949	2.00L	1022.2	97.11	067.28	1.411L	924.62

X	Y	Demolition Area 1A (Phase 1) Annual DPM Exhaust	Demolition Area 2A (Part 1 of 2 Phase 2) Annual DPM Exhaust	Demolition Area 2A (Part 2 of 2 Phase 2) Annual DPM Exhaust	Demolition Area 3A (Phase 3) Annual DPM Exhaust	Construction Area 1B (Phase 1) Annual DPM Exhaust	Construction Area 2B (Part 1 of 2 Phase 2) Annual DPM Exhaust	Construction Area 2B and 2B/3B (Part 2 of Phase 2) Annual DPM Exhaust	Construction Area 3B (Phase 3) Annual DPM Exhaust	Route 1 - From the project site toward US-101 Annual DPM Exhaust	Route 2 - From US-101 towards the project site Annual DPM Exhaust	Total
551654.57	4172831.21	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	**DPM (ug/m3)**
551716.76	4172828.57	2.05E-03	1.10E-03	3.14E-03	1.14E-02	3.15E-03	2.40E-03	6.16E03	7.65E-03	4.64E05	5.18E-05	3.713 0E-02
551649.89	4172815.61	3.41E-03	7.91E-04	5.12E-03	4.51E-03	5.16E-03	1.62E-03	6.19E03	4.55E-03	1.54E05	1.81E-05	3.136 9E-02
551704.69	4172805.12	1.74E-03	9.44E-04	2.23E-03	8.71E-03	2.67E-03	2.05E-03	4.24E03	5.24E-03	9.52E05	1.01E-04	2.802 7E-02
551713.64	4172818.43	3.96E-03	7.98E-03	2.38E-04	1.01E-03	6.47E-03	1.25E-02	5.21E04	1.69E-03	1.92E05	2.27E-05	3.436 8E-02
551748.4	4173078.63	3.27E-03	7.12E-03	2.32E-04	9.84E-04	5.33E-03	1.17E-02	5.06E04	1.64E-03	2.12E05	2.50E-05	3.099 2E-02
551704.92	4172802.82	2.89E-03	7.09E-04	3.47E-03	4.19E-03	4.39E-03	1.46E-03	4.51E03	3.85E-03	1.66E05	1.95E-05	2.551 3E-02
551752.29	4173085.04	6.34E-03	3.43E-03	1.64E-04	6.37E-04	1.08E-02	5.02E-03	3.15E04	1.01E-03	1.41E05	1.67E-05	2.782 5E-02
551674.72	4173091.63	2.56E-03	6.14E-03	2.23E-04	9.55E-04	4.15E-03	1.06E-02	4.83E04	1.57E-03	2.48E05	2.93E-05	2.675 3E-02
551715.06	4172799.44	2.25E-03	6.81E-04	2.56E-03	4.34E-03	3.44E-03	1.45E-03	3.76E03	3.26E-03	2.72E05	3.12E-05	2.175 6E-02
551653.88	4173076.31	5.51E-03	2.68E-03	1.51E-04	5.80E-04	9.51E-03	4.21E-03	3.27E04	9.08E-04	1.39E05	1.66E-05	2.389 9E-02
551755.16	4173091.63	2.26E-03	6.17E-04	2.20E-03	3.70E-03	3.45E-03	1.30E-03	3.11E03	2.91E-03	2.06E05	2.40E-05	1.960 3E-02
551680.83	4172886.4	4.80E-03	2.23E-03	1.41E-04	5.34E-04	8.30E-03	3.62E-03	3.04E04	8.28E-04	1.37E05	1.63E-05	2.074 5E-02
551779.79	4173093.18	1.99E-03	4.78E-03	2.07E-04	8.94E-04	3.22E-03	8.75E-03	4.45E04	1.45E-03	3.06E05	3.59E-05	2.179 5E-02
551639.86	4172886.4	2.20E-03	5.64E-04	1.79E-03	3.23E-03	3.37E-03	1.17E-03	2.62E03	2.63E-03	1.69E05	2.00E-05	1.759 7E-02
551731.74	4173096.94	1.25E-03	4.67E-03	2.00E-04	9.65E-04	2.01E-03	9.08E-03	4.22E04	1.59E-03	8.42E05	9.65E-05	2.036 7E-02
551690.01	4173093.13	4.05E-03	1.85E-03	1.32E-04	4.69E-04	6.98E-03	3.16E-03	2.84E04	7.62E-04	1.36E05	1.61E-05	1.774 4E-02
551733.73	4173104.89	1.96E-03	3.70E-03	1.89E-04	7.92E-04	3.18E-03	6.75E-03	4.07E04	1.26E-03	2.90E05	3.41E-05	1.838 7E-02
551643.22	4173100.77	3.35E-03	2.07E-03	1.41E-04	5.30E-04	5.69E-03	3.50E-03	3.04E04	8.17E-04	1.58E05	1.87E-05	1.642 9E-02
551721.13	4173111.96	1.21E-03	3.47E-03	1.84E-04	8.59E-04	1.95E-03	6.90E-03	3.89E04	1.29E-03	8.26E05	9.46E-05	1.652 2E-02
551710.23	4173112.37	2.89E-03	2.00E-03	1.41E-04	5.23E-04	4.86E-03	3.42E-03	3.03E04	8.12E-04	1.68E05	2.00E-05	1.499 6E-02
551648.42	4173109.03	1.92E-03	2.69E-03	1.67E-04	6.71E-04	3.13E-03	4.86E-03	3.59E04	1.05E-03	2.67E05	3.15E-05	1.490 5E-02
551703.6	4173116.57	2.51E-03	1.68E-03	1.32E-04	4.90E-04	4.20E-03	2.95E-03	2.82E04	7.44E-04	1.69E05	2.01E-05	1.302 8E-02
551651.5	4173116.67	1.12E-03	2.47E-03	1.64E-04	7.43E-04	1.81E-03	5.01E-03	3.46E04	1.16E-03	8.85E05	1.01E-04	1.301 0E-02
551696.53	4173120.32	2.00E-03	1.61E-03	1.31E-04	4.91E-04	3.31E-03	2.85E-03	2.81E04	7.42E-04	1.97E05	2.33E-05	1.145 1E-02
551668.44	4173124.22	1.82E-03	1.69E-03	1.35E-04	5.15E-04	3.00E-03	3.02E-03	2.90E04	7.79E-04	2.21E05	2.63E-05	1.129 9E-02
551677.61	4173136.04	1.10E-03	2.07E-03	1.54E-04	6.71E-04	1.78E-03	4.23E-03	3.25E04	1.05E-03	8.14E05	9.26E-05	1.157 7E-02
551670.98	4173140.24	1.64E-03	1.60E-03	1.34E-04	5.12E-04	2.69E-03	2.93E-03	2.86E04	7.73E-04	2.46E05	2.90E-05	1.061 6E-02
551663.91	4173.144	1.10E-03	1.81E-03	1.44E-04	6.17E-04	1.78E-03	3.62E-03	3.06E04	9.48E-04	7.04E05	8.03E-05	1.047 6E-02
551653.82	4173147.89	1.49E-03	1.54E-03	1.32E-04	5.12E-04	2.43E-03	2.86E-03	2.82E04	7.72E-04	2.77E05	3.25E-05	1.007 4E-02
551668.44	4173124.22	1.34E-03	1.44E-03	1.31E-04	5.13E-04	2.18E-03	2.81E-03	2.79E04	7.73E-04	3.25E05	3.80E-05	9.707E-03
551677.61	4173136.04	1.10E-03	1.27E-03	1.23E-04	4.87E-04	1.78E-03	2.49E-03	2.60E04	7.31E-04	4.50E05	5.20E-05	8.333E-03
551670.98	4173140.24	1.01E-03	1.21E-03	1.20E-04	4.86E-04	1.63E-03	2.42E-03	2.54E04	7.24E-04	5.60E05	6.42E-05	7.977E-03
551663.91	4173.144	9.37E-04	1.17E-03	1.18E-04	4.83E-04	1.51E-03	2.36E-03	2.49E04	7.19E-04	7.32E05	8.30E-05	7.704E-03
551653.82	4173147.89	8.60E-04	1.12E-03	1.16E-04	4.81E-04	1.39E-03	2.31E-03	2.43E04	7.16E-04	1.07E04	1.19E-04	7.461E-03

Mitigated DPM Concentrations

Maximum DPM (ug/m3)		MKR UTM	
	X		Y
3.713 0E-02	551654.57		4172831.21

UTM Latitude, Longitude: 37°42' 10.17"N 122°24' 54.0"W

Existing Phase 4 Receptors—Midway Village Project

Existing Phase 4 Receptors Scenario: Exposure Phases 1+2+3 Demolition and Phases 1+2+3 Construction
Construction Annual Total PM2.5 Emissions (PM2.5 Total)

Mitigated Concentrations

Annual Average Onsite Total PM2.5 Emission Rate—Demolition Area 1A (Phase 1) (grams/m2/sec):	1.94E-07
Annual Average Onsite Total PM2.5 Emission Rate—Demolition Area 2A (Part 1 of 2 Phase 2) (grams/m2/sec):	3.12E-07
Annual Average Onsite Total PM2.5 Emission Rate—Demolition Area 2A (Part 1.2 of 2 Phase 2) (grams/m2/sec):	3.12E-07
Annual Average Onsite Total PM2.5 Emission Rate—Demolition Area 3A (Phase 3) (grams/m2/sec):	2.73E-07
Annual Average Onsite Total PM2.5 Emission Rate—Construction Area 1B (Phase 1) (grams/m2/sec):	5.90E-07
Annual Average Onsite Total PM2.5 Emission Rate—Construction Area 2B (Part 1 of 2 Phase 2) (grams/m2/sec):	3.86E-07
Annual Average Onsite Total PM2.5 Emission Rate—Construction Area 2B and 2B/3B (Part 2 of Phase 2) (grams/m2/sec):	3.86E-07
Annual Average Onsite Total PM2.5 Emission Rate—Construction Area 3B (Phase 3) (grams/m2/sec):	7.50E-07
Annual Average Offsite Total PM2.5 Emission Rate - Road Segment 1 (grams/sec):	3.62E-04
Annual Average Offsite Total PM2.5 Emission Rate - Road Segment 2 (grams/sec):	3.66E-04

		Unit Emissions	Unit Emissions	Unit Emissions	Unit Emissions	Unit Emissions	Unit Emissions	Unit Emissions	Unit Emissions	Unit Emissions	Unit Emissions
		Demolition Area 1A (Phase 1)	Demolition Area 2A (Part 1 of 2 Phase 2)	Demolition Area 2A (Part 2 of 2 Phase 2)	Demolition Area 3A (Phase 3)	Construction Area 1B (Phase 1)	Construction Area 2B (Part 1 of 2 Phase 2)	Construction Area 2B and 2B/3B (Part 2 of Phase 2)	Construction Area 3B (Phase 3)	Route 1 - From the project site towards US-101	Route 2 - From US-101 tower do the project site
X	Y	SRC GP 7	SRCGP8	SRCGP1	SRCGP2	SRC GP 3	SRC GP4	SRCGP5	SRCGP6	SRC GP 9	SRCGP10
55165.457	41728.31.21	3.2822.941.71	19026.38.252	54294.5.0246	229.637.7714	3.1998.575.24	11730.78.746	3094.2.4.6917	111.908.6816	43.69398	3.7.6524
55171.676	41728.28.57	5.4546.747.92	13707.53.485	8853.2.2.7527	908.83.56.175	5.2508.888.26	7903..074 7	3018.6.0.0969	664.64.36045	1.3.5009	1.3.1986
55164.989	41728.15.61	2.7849.112.37	16320.05.325	8861.3.4.8378	175.673.4734	2.7191.434.62	10022.68.468	2068.4.3.7253	766.91.09629	8.3.5339	7.3.4985
55170.469	41730.51.23	6.3409.206.01	13809.2.6.518	4.112.3.4013.9	203.32.5.7578	6.5770..748.12	60799.63.965	2.539.9613.4	246.96.27.124	1.6.8431	1.6.5381
55169.704	41730.56.12	5.2343.637.71	12655.0.7.739	4.010.2974.1	198.52.76327	5.4172.000.96	56967.92.672	2.466.2993.1	239.46.90344	1.8.5585	1.8.1999
55171.364	41728.18.43	462.89.3794	12255.28.406	599.70.528	845.56.65979	4.4688.147.53	71.33.7.9459	2200.41.1594	563.60.31331	1.455	1.417.3
55174.484	41730.71.22	1.01494.43.06	59254.54.934	2832.3845.6	128.53.32413	1.10330.63.38	24493.01.965	1.734.3293.3	147.61.22127	1.2.3703	1.2.182
55168.573	41730.62.85	4.0931.249.75	10618.9.8.322	3.957.0456.3	192.64.04168	4.2237.443.57	51801.53.687	2.857.0858.4	230.01.64617	2.1.7649	2.1.2961
55169.348	41728.05.94	3.6107.540.03	11781.15.238	4428.2.5.5096	876.18.59063	3.5013.898.37	70.910.5277	1807.3.1.2913	476.43.52675	2..388 3	2.2666
55174.83.1	41730.78.63	8.8178.696.52	46317.55.488	2.614..4370 3	1.1698.59.65	9.6729.380.28	20540.75.887	1.595..7459 4	132.78.41128	1.2.2328	1.2.0459
55170.492	41728.02.82	3.6248.492.02	10668.83.831	3.8129..277 1	745.59..29255	3.5138.146.62	63.35.7.9631	1.518.9.0.3363	425.79.41359	1.8.0559	1.7.4078
55175.229	41730.85.04	7.6810.469.11	37986.38.452	2.433.0895.9	107.75..29251	8.4406.913.41	17659.84.982	148.0.9.863	1.210.9.72.37	1.2.0182	1.1.8349
55167.472	41730.72.64	1.1816.886.08	82613.08.352	3.582.1809.5	180.96.91784	3.2749.164.05	42.688.6625	2.173.2341.9	212.00.25865	2..684 8	2.6.1267
55171.506	41727.99.44	3.5315.610.61	97.47.64894	3.0883.665 5	650.97.93181	3.4245.243.74	57.15.2.6888	1275.9.8.7527	384.06.52465	1.485 6	1.4.5212
55163.588	41730.76.31	2.9035.752.68	80798.81.987	3.451..1627 8	194.59..28029	2.9439.744.29	44296.18.958	2.056..4263 7	232.47.10564	7.3.9133	7.0.1717
55175.516	41730.91.63	6.4816.663.46	32026.82.436	228.2.0.251	100.14.83154	7.0986.573.96	15433.66.488	1.385.5897.6	111.46.18589	1.1.9286	1.1.7455
55168.083	41730.81.2	3.1376.293.42	63.998.1.164	3.277.6890.9	159.85..64917	323.93.1.794	32925.83.907	1.987.5060.8	184.61.37423	2.5.4513	2.4.7912
55179.793	41730.93.18	5.3661.000.73	35739.57.931	2.440..4165.2	106.98.84234	5.7857.606.64	17062.61.616	1.483.4728.1	119.52.50232	1.3.8253	1.3.5923
55163.986	41730886.4	1.9400.906.11	59935.79.543	3.178..90196	173.27.97822	1.9820..781.84	33674.75.864	1.895.5548.6	202.65.32386	7..248 8	6..880 4
55179.174	41730.96.34	4.6312.218 73	34410.1.263	2.433.6376.8	106.61..35746	4.9451.553 73	16691.48.079	1.477.9323.9	118.70.80497	1.4.7813	1.452
55169.001	41730.93.13	3.0717.208.19	46546.55.004	2.890..4509.2	135.43.22421	3.1849.876.93	23719.23.465	1.750.5229.7	153.21.89106	2.3.4603	2.2.8856
55173.371	41731.04.89	4.0141.468.07	29104.18.304	2.274..7155.7	9881..301.64	427.560.228	14099.67.892	1.377.8907.6	108.78.85.96	1.4.8542	1.4.458 7
55164.322	41731.00.77	1.7973.688.46	42636.43.984	2.831..8471.1	149.19.42018	1.8386.092.59	24.452..1717	1.687.6830.1	17031.13.55	7..764 4	7.3.2033
55172.113	41731.11.96	3.2033.124.75	27.656..2531	2.266..2880.9	9906.929.47	3.3689.018.01	13920.23.058	1.369..7908.9	10844.38.66	1..725.9	1.6.9125
55171.023	41731.12.37	2.9223.630.76	29041.24.573	2.342..5081.8	103.83..80382	3.0545..321.39	14754.50.967	1.414..7825.4	113.94.65046	1.3.5619	1.3.1343
55164.842	41731.09.03	1.7659.667.21	36074.50.715	2.656..5399.1	136.26..21244	1.8085..819.44	20652.55.408	1.584..1384.8	153.48.94.42	7..144.9	6.7.3665
5 51705.6	41731.16.37	2.6278.350.37	27647.22.876	231.3.2.183	103.80.95139	2.7360..309.39	14290.53.548	1.394..5453.7	113.06.37.57	2.1.6126	2.1.1021
55165.515	41731.16.67	1.7673.322.66	31162.24.818	2.498..1365.1	124.49.61.301	1.8125..375.08	17673.80.064	1.490..9170.7	138.66..20609	6.1.7523	5.8.4301
55169.653	41731.20.32	2.9810..132.95	26562.06.023	229.0.4.002	103.31..63515	2.4706..628.18	13970.65.864	1.378..1949.9	112.87..22588	2.4.3216	2.3.4567
55168.844	41731.24.22	2.1457.891.09	25533.69.718	2.265..5973.8	103.56.55444	2.2193..528.79	13.691..5492	1.360..2814.4	112.99.57255	2..855 5	2.7.6312
55167.761	41731.36.04	1.7561.670.36	21920.05.735	2.123..5527.2	9874..165.01	1.8085..223.66	12.154..6255	126.9.2.378	10684.06.19	3.9.4818	3.7.8068
55167.098	41731.40.24	1.6176.631.54	20919..41.813	2.080..4687.9	9794..889.54	1.6627.603.49	11798.42.594	1.240..9151.2	105.81..98558	4.9.0974	4.6.6666
55166.391	4173.144	1.5001.783.35	20.239..1534	2.040..6749.8	9738..807.39	1.5394..048.39	11.512..3979	1.214..6793.7	105.15..38879	6.4.1976	6.0.3889
55165.582	41731.47.89	1.3778.698.99	19434.95.949	2.000..1022.2	9711..067.28	1.4113..924.62	11257.08.213	1.187..7735.1	104.72..03905	9.3.9408	8.6.8621
CONCUNAT ua/	m^3										
DEPUNIT al/m^	2										

		Demolition Area 1A (Phase 1)	Demolition Area 2A (Part 1 of 2 Phase 2)	Demolition Area 2A (Part 2 of 2 Phase 2)	Demolition Area 3A (Phase 3)	Construction Area 1B (Phase 1)	Construction Area 2B (Part 1 of 2 Phase 2)	Construction Area 2 B and 2B/3B (Part 2 of Phase 2)	Construction Area 3B (Phase 3)	Route 1 - From the project site towards US-101	Route 2 - From US-101 tower do the project site	Total
		Annual PM2.5	Annual PM2.5	Annual PM2.5	Annual PM2.5	Annual PM2.5	Annual PM2.5	Annual PM2.5	Annual PM2.5	Annual PM2.5	Annual PM2.5	
X	Y	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	PM2.5 (ug/m3)
55165.457	41728.31.21	6.3 7E-03	5.94E-03	1.70E-02	6.27E-03	1.89E-02	4.51E-03	1.16E-02	8.19E-02	1.47E-03	1.38E-03	2.13781E-01
55171.676	41728.28.57	1.06E-02	4.28E-03	2.77E-02	2.48E-02	3.10E-02	3.05E-03	1.17E-02	4.09E-02	4.88E-04	4.83E-04	1.63855E-01
55164.989	41728.15.61	5.49E-03	5.10E-03	1.21E-02	4.80E-02	1.61E-02	3.87E-03	7.98E-03	5.75E-02	3.02E-03	2.69E-03	1.61633E-01
55170.469	41730.51.23	1.23E-02	4.31E-02	1.28E-03	5.56E-03	3.88E-02	2.35E-02	9.80E-04	1.85E-02	6.09E-04	6.05E-04	1.45285E-01
55169.704	41730.56.12	1.02E-02	3.95E-02	1.25E-03	5.42E-03	3.20E-02	2.20E-02	9.52E-04	1.80E-02	6.71E-04	6.65E-04	1.30576E-01
55171.364	41728.18.43	8.98E-03	3.83E-03	1.87E-02	2.31E-02	2.64E-02	2.75E-03	8.49E-03	4.23E-02	4.23E-02	5.28E-04	1.3577E-01
55174.484	41730.71.22	1.97E-02	1.85E-02	8.85E-04	3.51E-03	6.51E-02	9.45E-03	6.69E-04	1.11E-02	4.47E-04	4.45E-04	1.2981E-01
55168.573	41730.62.85	7.94E-03	3.32E-02	1.20E-03	5.26E-03	2.49E-02	2.00E-02	9.10E-04	1.72E-02	7.87E-04	7.79E-04	1.1223E-01
55169.348	41728.05.94	7.01E-03	3.68E-03	1.38E-02	2.39E-02	2.07E-02	2.74E-03	6.98E-03	3.57E-02	8.64E-04	8.29E-04	1.1625E-01
55174.83.1	41730.78.63	1.71E-02	1.45E-02	8.17E-04	3.20E-03	5.71E-02	7.93E-03	6.16E-04	9.95E-03	4.42E-04	4.40E-04	1.1208E-01
55170.492	41728.02.82	7.03E-03	3.33E-03	1.19E-02	2.04E-02	2.07E-02	2.45E-03	5.86E-03	3.19E-02	8.19E-04	6.53E-04	1.0491E-01
55175.229	41730.85.04	1.49E-02	1.19E-02	7.60E-04	2.94E-03	4.98E-02	6.82E-03	5.72E-04	9.08E-03	4.35E-04	4.33E-04	9.7637E-02
55167.472	41730.72.64	6.17E-03	2.58E-02	1.12E-03	4.91E-03	1.93E-02	1.65E-02	8.39E-04	1.53E-02	9.71E-04	9.55E-04	9.2496E-02
55171.506	41727.99.44	6.85E-03	3.04E-03	9.65E-03	1.79E-02	2.02E-02	2.21E-03	4.93E-03	2.88E-02	5.37E-04	5.31E-04	9.4541E-02
55163.588	41730.76.31	3.89E-03	2.52E-02	1.08E-03	5.32E-03	1.21E-02	1.71E-02	7.94E-04	1.74E-02	2.67E-03	2.57E-03	8.8146E-02
55175.516	41730.91.63	1.26E-02	1.00E-02	7.13E-04	2.74E-03	4.19E-02	5.96E-03	5.35E-04	8.36E-03	4.31E-04	4.29E-04	8.3645E-02
55168.083	41730811.2	6.09E-03	2.00E-02	1.02E-03	4.37E-03	1.91E-02	1.27E-02	7.67E-04	1.38E-02	9.20E-04	9.06E-04	7.9739E-02
55179.793	41730.93.18	1.04E-02	1.12E-02	7.62E-04	2.92E-03	3.42E-02	6.59E-03	5.73E-04	8.95E-03	5.00E-04	4.97E-04	7.6333E-02
55163.986	41730886.4	3.76E-03	1.87E-02	9.93E-04	4.71E-03	1.17E-02	1.30E-02	7.32E-04	1.52E-02	2.62E-03	2.52E-03	7.3975E-02
55179.174	41730.96.34	8.99E-03	1.08E-02	7.60E-04	2.91E-03	2.92E-02	6.44E-03	5.71E-04	8.95E-03	5.34E-04	5.31E-04	6.9642E-02
55169.001	41730.93.13	5.96E-03	1.45E-02	9.03E-04	3.70E-03	1.88E-02	9.16E-03	6.76E-04	1.15E-02	8.48E-04	8.37E-04	6.6908E-02
55173.371	41731.04.89	7.79E-03	9.09E-03	7.11E-04	2.70E-03	2.52E-02	5.56E-03	5.32E-04	8.11E-03	5.37E-04	5.33E-04	6.0849E-02
55164.322	41731.00.77	3.49E-03	1.33E-02	8.85E-04	4.08E-03	1.09E-02	9.44E-03	6.51E-04	1.28E-02	2.81E-03	2.68E-03	6.0963E-02
55172.113	41731.11.96	6.2 2E-03	8.64E-03	7.08E-04	2.71E-03	1.99E-02	5.37E-03	5.29E-04	8.13E-03	6.24E-04	6.18E-04	5.3432E-02
55171.023	41731.12.37	5.67E-03	9.07E-03	7.32E-04	2.84E-03	1.80E-02	5.70E-03	5.46E-04	8.54E-03	7.07E-04	7.00E-04	5.2534E-02
55164.842	41731.09.03	3.43E-03	1.13E-02	8.30E-04	3.72E-03	1.07E-02	7.97E-03	6.12E-04	1.15E-02	2.58E-03	2.46E-03	5.5062E-02
5 51705.6	41731.16.37	5.19E-03	8.64E-03	7.23E-04	2.82E-03	1.62E-02	5.52E-03	5.38E-04	8.49E-03	7.81E-04	7.72E-04	4.9516E-02
55165.515	41731.16.67	3.43E-03	9.73E-03	7.80E-04	3.40E-03	1.07E-02	6.82E-03	5.76E-04	1.04E-02	2.23E-03	2.14E-03	5.0283E-02
55169.653	41731.20.32	4.62E-03	8.30E-03	7.15E-04	2.82E-03	1.46E-02	5.39E-03	5.32E-04	8.44E-03	8.79E-04	8.65E-04	4.7172E-02
55168.844	41731.24.22	4.16E-03	7.98E-03	7.08E-04	2.83E-03	1.31E-02	5.29E-03	5.25E-04	8.47E-03	1.03E-03	1.01E-03	4.5103E-02
55167.761	41731.36.04	3.41E-03	6.85E-03	6.63E-04	2.70E-03	1.07E-02	4.69E-03	4.90E-04	8.01E-03	1.43E-03	1.38E-03	4.0294E-02
55167.098	41731.40.24	3.14E-03	6.54E-03	6.50E-04	2.68E-03	9.82E-03	4.55E-03	4.79E-04	7.93E-03	1.78E-03	1.71E-03	3.9268E-02
55166.391	4173.144	2.91E-03	6.32E-03	6.37E-04	2.66E-03	9.09E-03	4.44E-03	4.69E-04	7.88E-03	2.32E-03	2.21E-03	3.8944E-02
55165.582	41731.47.89	2.67E-03	6.07E-03	6.25E-04	2.65E-03	8.33E-03	4.35E-03	4.59E-04	7.85E-03	3.40E-03	3.18E-03	3.9582E-02

Mitigated PM2.5 Concentrations

Maximum		MIR	
DPM		UTM	
(ug/m3)	X	Y	
2.137 8E-01	5516 54.5 7	417 2831. 21	
UTM	5515 583 8	417 2977. 03	
Latitude, Lonatitude	37°42'05.3"N 122°24'54.4"W		

Construction Health Risk Assessment Files

Scenario 5

Cancer Risk Calculations Using OEHHA/BAAQMD Cancer Risk Assumptions
Midway Village Project—New Phase 1 Receptors Scenario
Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Infant
UTM: 551738.04 4172975.17

Cancer Potency Factor: 1.1 $(mg/kg\text{-}day)^{-1}$
Exposure Frequency 350 days/year
Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
3rd Trimester	0.476115369	10	361	1	0.21	5.5
0-1	0.476115369	10	1,090	1	0.78	61.3
1-<2	0.476115369	10	1,090	1	0.36	28.5
2-<3	0.476115369	3	631	1	0.81	11.1
					Total	106.28

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
3rd Trimester	0.066694665	10	361	1	0.21	0.8
0-1	0.066694665	10	1,090	1	0.78	8.6
1-<2	0.066694665	10	1,090	1	0.36	4.0
2-<3	0.066694665	3	631	1	0.81	1.5
					Total	14.89

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Child
UTM: 551738.04 4172975.17

Cancer Potency Factor: 1.1 $(mg/kg\text{-}day)^{-1}$
Exposure Frequency 350 days/year
Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Construction Period	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
All Phases	0.476115369	3	572	1	2.17	26.7
					Total	26.75

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Construction Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
All Phases	0.066694665	3	572	1	2.17	3.7
					Total	3.75

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Adult
UTM: 551738.04 4172975.17

Cancer Potency Factor: 1.1 $(mg/kg\text{-}day)^{-1}$
Exposure Frequency 350 days/year
Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Construction Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
All Phases	0.476115369	1	261	0.73	2.17	3.0
					Total	2.97

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Construction Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
All Phases	0.066694665	1	261	0.73	2.17	0.4
					Total	0.416

Midway Village Project—New Phase 1 Receptors Scenario

Estimates of Chronic Non-Cancer Hazard Index (CNCHI)

Unmitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM: 5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
551738.04	4172975.17	0.4761	0.4761	0.09522

Unmitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
551728.04	4172945.17	0.6683	0.6683

Mitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM: 5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
551738.04	4172975.17	0.0667	0.0667	0.01334

Mitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
551728.04	4172945.17	0.2748	0.2748

Midway Village Project—New Phase 1 Receptors

Phase 1 Receptors Exposed to Phase 1-2-4A Demolition and Phase 1-2-4A Construction
Construction Annual DPM Emissions (Mid-2 Scheme)

Unmitigated Concentrations

Annual Average Onsite DPM Exp—Demolition Ave 1A (Part 1 of 2 Phase 1) (grams/m2/acc)	8.71E-07
Annual Average Onsite DPM Exp—Demolition Ave 1A (Part 2 of 2 Phase 1) (grams/m2/acc)	8.71E-07
Annual Average Onsite DPM Exp—Demolition Ave 1A (Phase 1) (grams/m2/acc)	6.17E-07
Annual Average Onsite DPM Exp—Demolition Ave 1A (Part 1 of 2 Phase 4) (grams/m2/acc)	6.02E-07
Annual Average Onsite DPM Exp—Demolition Ave 1A (Part 1 of 2 Phase 4 + Phase 4/5) (grams/m2/acc)	6.02E-07
Annual Average Onsite DPM Exp—Construction Ave 2B (Part 1 of 3 Phase 2) (grams/m2/sec)	8.39E-07
Annual Average Onsite DPM Exp—Construction Ave 2B (Part 2 of 3 Phase 2 + Phase 1) (grams/m2/sec)	8.39E-07
Annual Average Onsite DPM Exp—Construction Ave 2B (Part 3 of 3 Phase 2 + Phase 1 + Phase 4) (grams/m2/sec)	5.32E-07
Annual Average Onsite DPM Exp—Construction Ave 4A and 4B/4D (Phase 4) (grams/m2/sec)	1.60E-06
Annual Average Onsite DPM Exp—Construction Ave 4B (Phase 4/5) (grams/m2/sec)	3.68E-07
Annual Average Offsite DPM Emission Rate - Construction (1 acre/sec)	3.50E-06
Annual Average Offsite DPM Emission Rate - Reinforcement (1 acre/sec)	1.06E-05

X	Y	Construction Ave 2B (Part 1 of 3 Phase 2) Annual DPM ug/m3	Construction Ave 2 Band 2A/3 (Part 2 of Phase 2+1) Annual DPM ug/m3	Construction Ave 1B (Phase 1) Annual DPM ug/m3	Construction Ave 4 Band Ave 3A/4B (Phase 4) Annual DPM ug/m3	Construction Ave 4B (Phase 4/5) Annual DPM ug/m3	Demolition Ave 2A (Part 1 of 3 Phase 2) Annual DPM ug/m3	Demolition Ave 2A (Part 2 of 3 Phase 2) Annual DPM ug/m3	Demolition Ave 2A (Phase 1) Annual DPM ug/m3	Demolition Ave 4A (Part 1 of 2 Phase 4) Annual DPM ug/m3	Demolition Ave 4A (Part 2 of 2 Phase 4 + Phase 4/5) Annual DPM ug/m3	Route 1 - from the project site towards the nearest US 101 Annual DPM ug/m3	Route 2 - from US 101 towards the nearest site Annual DPM ug/m3
551728.04	4178745.17	7.07E-08	1.40E-07	1.90E-08	1.62E-08	1.86E-08	1.09E-11	2.03E-07	2.12E-02	1.62E-02	1.60E-02	1.44E-08	1.69E-07
551728.04	4178735.17	1.02E-07	1.42E-07	9.82E-08	1.08E-08	1.65E-08	9.95E-08	9.54E-08	1.07	8.87E-04	8.82E-04	1.42E-08	1.41E-07
551728.04	4178725.17	1.72E-07	1.39E-07	1.78E-07	1.55E-08	1.91E-08	1.78E-07	1.75E-07	2.07	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178715.17	1.06E-07	1.40E-07	1.10E-07	1.58E-08	1.96E-08	1.10E-07	1.08E-07	1.28	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178705.17	1.22E-07	1.42E-07	1.27E-07	1.60E-08	1.96E-08	1.27E-07	1.25E-07	1.48	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178695.17	1.41E-07	1.45E-07	1.47E-07	1.63E-08	1.96E-08	1.47E-07	1.45E-07	1.71	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178685.17	1.63E-07	1.48E-07	1.70E-07	1.66E-08	1.96E-08	1.70E-07	1.67E-07	1.97	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178675.17	1.88E-07	1.52E-07	1.96E-07	1.70E-08	1.96E-08	1.96E-07	1.92E-07	2.27	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178665.17	2.16E-07	1.56E-07	2.25E-07	1.74E-08	1.96E-08	2.25E-07	2.21E-07	2.61	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178655.17	2.48E-07	1.60E-07	2.58E-07	1.78E-08	1.96E-08	2.58E-07	2.54E-07	2.99	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178645.17	2.84E-07	1.65E-07	2.96E-07	1.83E-08	1.96E-08	2.96E-07	2.91E-07	3.43	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178635.17	3.26E-07	1.70E-07	3.39E-07	1.88E-08	1.96E-08	3.39E-07	3.34E-07	3.93	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178625.17	3.74E-07	1.75E-07	3.89E-07	1.93E-08	1.96E-08	3.89E-07	3.83E-07	4.51	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178615.17	4.29E-07	1.81E-07	4.46E-07	1.98E-08	1.96E-08	4.46E-07	4.39E-07	5.17	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178605.17	4.92E-07	1.87E-07	5.12E-07	2.04E-08	1.96E-08	5.12E-07	5.04E-07	5.93	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178595.17	5.65E-07	1.94E-07	5.87E-07	2.10E-08	1.96E-08	5.87E-07	5.78E-07	6.81	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178585.17	6.49E-07	2.01E-07	6.74E-07	2.17E-08	1.96E-08	6.74E-07	6.63E-07	7.82	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178575.17	7.45E-07	2.08E-07	7.74E-07	2.24E-08	1.96E-08	7.74E-07	7.62E-07	8.98	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178565.17	8.56E-07	2.16E-07	8.89E-07	2.32E-08	1.96E-08	8.89E-07	8.75E-07	1.03	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178555.17	9.83E-07	2.24E-07	1.02E-06	2.40E-08	1.96E-08	1.02E-06	1.01E-06	1.19	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178545.17	1.13E-06	2.33E-07	1.17E-06	2.49E-08	1.96E-08	1.17E-06	1.16E-06	1.37	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178535.17	1.30E-06	2.43E-07	1.34E-06	2.59E-08	1.96E-08	1.34E-06	1.33E-06	1.57	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178525.17	1.49E-06	2.53E-07	1.54E-06	2.69E-08	1.96E-08	1.54E-06	1.52E-06	1.80	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178515.17	1.71E-06	2.64E-07	1.76E-06	2.80E-08	1.96E-08	1.76E-06	1.74E-06	2.06	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178505.17	1.96E-06	2.76E-07	2.01E-06	2.92E-08	1.96E-08	2.01E-06	1.99E-06	2.36	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178495.17	2.24E-06	2.88E-07	2.30E-06	3.04E-08	1.96E-08	2.30E-06	2.28E-06	2.70	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178485.17	2.56E-06	3.01E-07	2.63E-06	3.17E-08	1.96E-08	2.63E-06	2.60E-06	3.08	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178475.17	2.92E-06	3.14E-07	3.00E-06	3.30E-08	1.96E-08	3.00E-06	2.97E-06	3.51	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178465.17	3.33E-06	3.27E-07	3.42E-06	3.43E-08	1.96E-08	3.42E-06	3.39E-06	4.00	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178455.17	3.80E-06	3.41E-07	3.90E-06	3.57E-08	1.96E-08	3.90E-06	3.86E-06	4.56	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178445.17	4.33E-06	3.55E-07	4.44E-06	3.72E-08	1.96E-08	4.44E-06	4.40E-06	5.20	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178435.17	4.93E-06	3.70E-07	5.06E-06	3.87E-08	1.96E-08	5.06E-06	5.01E-06	5.92	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178425.17	5.62E-06	3.85E-07	5.76E-06	4.03E-08	1.96E-08	5.76E-06	5.71E-06	6.74	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178415.17	6.40E-06	4.01E-07	6.56E-06	4.19E-08	1.96E-08	6.56E-06	6.50E-06	7.68	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178405.17	7.29E-06	4.18E-07	7.47E-06	4.36E-08	1.96E-08	7.47E-06	7.40E-06	8.74	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178395.17	8.30E-06	4.35E-07	8.50E-06	4.54E-08	1.96E-08	8.50E-06	8.42E-06	9.95	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178385.17	9.45E-06	4.53E-07	9.68E-06	4.72E-08	1.96E-08	9.68E-06	9.59E-06	1.13	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178375.17	1.08E-05	4.72E-07	1.10E-05	4.91E-08	1.96E-08	1.10E-05	1.09E-05	1.29	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178365.17	1.23E-05	4.92E-07	1.25E-05	5.12E-08	1.96E-08	1.25E-05	1.24E-05	1.47	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178355.17	1.40E-05	5.13E-07	1.42E-05	5.33E-08	1.96E-08	1.42E-05	1.41E-05	1.67	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178345.17	1.59E-05	5.34E-07	1.62E-05	5.54E-08	1.96E-08	1.62E-05	1.60E-05	1.90	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178335.17	1.81E-05	5.56E-07	1.84E-05	5.76E-08	1.96E-08	1.84E-05	1.82E-05	2.16	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178325.17	2.06E-05	5.78E-07	2.09E-05	5.98E-08	1.96E-08	2.09E-05	2.07E-05	2.45	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178315.17	2.34E-05	6.01E-07	2.37E-05	6.21E-08	1.96E-08	2.37E-05	2.35E-05	2.78	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178305.17	2.66E-05	6.25E-07	2.69E-05	6.45E-08	1.96E-08	2.69E-05	2.67E-05	3.16	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178295.17	3.02E-05	6.49E-07	3.06E-05	6.69E-08	1.96E-08	3.06E-05	3.03E-05	3.59	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178285.17	3.43E-05	6.74E-07	3.47E-05	6.94E-08	1.96E-08	3.47E-05	3.44E-05	4.07	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178275.17	3.89E-05	7.00E-07	3.94E-05	7.20E-08	1.96E-08	3.94E-05	3.91E-05	4.62	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178265.17	4.41E-05	7.27E-07	4.47E-05	7.47E-08	1.96E-08	4.47E-05	4.43E-05	5.24	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178255.17	4.99E-05	7.55E-07	5.06E-05	7.75E-08	1.96E-08	5.06E-05	5.02E-05	5.93	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178245.17	5.65E-05	7.84E-07	5.72E-05	8.04E-08	1.96E-08	5.72E-05	5.68E-05	6.71	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178235.17	6.39E-05	8.14E-07	6.47E-05	8.34E-08	1.96E-08	6.47E-05	6.43E-05	7.59	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178225.17	7.23E-05	8.45E-07	7.32E-05	8.65E-08	1.96E-08	7.32E-05	7.27E-05	8.58	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178215.17	8.18E-05	8.77E-07	8.28E-05	8.97E-08	1.96E-08	8.28E-05	8.23E-05	9.71	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178205.17	9.25E-05	9.11E-07	9.36E-05	9.31E-08	1.96E-08	9.36E-05	9.31E-05	1.10	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178195.17	1.05E-04	9.46E-07	1.06E-04	9.66E-08	1.96E-08	1.06E-04	1.05E-04	1.24	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178185.17	1.19E-04	9.82E-07	1.20E-04	1.00E-07	1.96E-08	1.20E-04	1.19E-04	1.41	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178175.17	1.35E-04	1.02E-06	1.36E-04	1.04E-07	1.96E-08	1.36E-04	1.35E-04	1.60	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178165.17	1.53E-04	1.06E-06	1.54E-04	1.08E-07	1.96E-08	1.54E-04	1.53E-04	1.82	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178155.17	1.74E-04	1.10E-06	1.75E-04	1.12E-07	1.96E-08	1.75E-04	1.74E-04	2.06	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178145.17	1.97E-04	1.14E-06	1.98E-04	1.16E-07	1.96E-08	1.98E-04	1.97E-04	2.33	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178135.17	2.22E-04	1.18E-06	2.23E-04	1.20E-07	1.96E-08	2.23E-04	2.22E-04	2.63	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178125.17	2.50E-04	1.22E-06	2.51E-04	1.24E-07	1.96E-08	2.51E-04	2.50E-04	2.96	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178115.17	2.82E-04	1.27E-06	2.83E-04	1.28E-07	1.96E-08	2.83E-04	2.82E-04	3.34	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178105.17	3.18E-04	1.31E-06	3.19E-04	1.33E-07	1.96E-08	3.19E-04	3.18E-04	3.77	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178095.17	3.58E-04	1.36E-06	3.59E-04	1.37E-07	1.96E-08	3.59E-04	3.58E-04	4.25	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178085.17	4.03E-04	1.41E-06	4.04E-04	1.42E-07	1.96E-08	4.04E-04	4.03E-04	4.79	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178075.17	4.54E-04	1.46E-06	4.55E-04	1.47E-07	1.96E-08	4.55E-04	4.54E-04	5.40	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178065.17	5.12E-04	1.51E-06	5.13E-04	1.52E-07	1.96E-08	5.13E-04	5.12E-04	6.09	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178055.17	5.77E-04	1.56E-06	5.78E-04	1.57E-07	1.96E-08	5.78E-04	5.77E-04	6.86	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178045.17	6.49E-04	1.61E-06	6.50E-04	1.62E-07	1.96E-08	6.50E-04	6.49E-04	7.72	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178035.17	7.29E-04	1.66E-06	7.30E-04	1.67E-07	1.96E-08	7.30E-04	7.29E-04	8.67	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178025.17	8.18E-04	1.71E-06	8.19E-04	1.72E-07	1.96E-08	8.19E-04	8.18E-04	9.73	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178015.17	9.17E-04	1.76E-06	9.18E-04	1.77E-07	1.96E-08	9.18E-04	9.17E-04	1.09	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4178005.17	1.03E-03	1.81E-06	1.03E-03	1.82E-07	1.96E-08	1.03E-03	1.03E-03	1.22	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177995.17	1.15E-03	1.86E-06	1.15E-03	1.87E-07	1.96E-08	1.15E-03	1.15E-03	1.37	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177985.17	1.28E-03	1.91E-06	1.28E-03	1.92E-07	1.96E-08	1.28E-03	1.28E-03	1.53	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177975.17	1.42E-03	1.96E-06	1.42E-03	1.97E-07	1.96E-08	1.42E-03	1.42E-03	1.70	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177965.17	1.57E-03	2.01E-06	1.57E-03	2.02E-07	1.96E-08	1.57E-03	1.57E-03	1.88	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177955.17	1.73E-03	2.06E-06	1.73E-03	2.07E-07	1.96E-08	1.73E-03	1.73E-03	2.07	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177945.17	1.90E-03	2.11E-06	1.90E-03	2.12E-07	1.96E-08	1.90E-03	1.90E-03	2.28	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177935.17	2.09E-03	2.16E-06	2.09E-03	2.17E-07	1.96E-08	2.09E-03	2.09E-03	2.50	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177925.17	2.29E-03	2.21E-06	2.29E-03	2.22E-07	1.96E-08	2.29E-03	2.29E-03	2.74	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177915.17	2.51E-03	2.26E-06	2.51E-03	2.27E-07	1.96E-08	2.51E-03	2.51E-03	3.00	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177905.17	2.74E-03	2.31E-06	2.74E-03	2.32E-07	1.96E-08	2.74E-03	2.74E-03	3.28	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177895.17	2.98E-03	2.36E-06	2.98E-03	2.37E-07	1.96E-08	2.98E-03	2.98E-03	3.57	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177885.17	3.23E-03	2.41E-06	3.23E-03	2.42E-07	1.96E-08	3.23E-03	3.23E-03	3.87	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177875.17	3.48E-03	2.46E-06	3.48E-03	2.47E-07	1.96E-08	3.48E-03	3.48E-03	4.17	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177865.17	3.74E-03	2.51E-06	3.74E-03	2.52E-07	1.96E-08	3.74E-03	3.74E-03	4.48	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177855.17	4.00E-03	2.56E-06	4.00E-03	2.57E-07	1.96E-08	4.00E-03	4.00E-03	4.80	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177845.17	4.27E-03	2.61E-06	4.27E-03	2.62E-07	1.96E-08	4.27E-03	4.27E-03	5.12	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177835.17	4.54E-03	2.66E-06	4.54E-03	2.67E-07	1.96E-08	4.54E-03	4.54E-03	5.45	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177825.17	4.81E-03	2.71E-06	4.81E-03	2.72E-07	1.96E-08	4.81E-03	4.81E-03	5.77	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177815.17	5.08E-03	2.76E-06	5.08E-03	2.77E-07	1.96E-08	5.08E-03	5.08E-03	6.09	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177805.17	5.34E-03	2.81E-06	5.34E-03	2.82E-07	1.96E-08	5.34E-03	5.34E-03	6.41	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177795.17	5.59E-03	2.86E-06	5.59E-03	2.87E-07	1.96E-08	5.59E-03	5.59E-03	6.71	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177785.17	5.83E-03	2.91E-06	5.83E-03	2.92E-07	1.96E-08	5.83E-03	5.83E-03	7.00	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177775.17	6.07E-03	2.96E-06	6.07E-03	2.97E-07	1.96E-08	6.07E-03	6.07E-03	7.29	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177765.17	6.30E-03	3.01E-06	6.30E-03	3.02E-07	1.96E-08	6.30E-03	6.30E-03	7.56	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177755.17	6.52E-03	3.06E-06	6.52E-03	3.07E-07	1.96E-08	6.52E-03	6.52E-03	7.82	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177745.17	6.73E-03	3.11E-06	6.73E-03	3.12E-07	1.96E-08	6.73E-03	6.73E-03	8.08	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177735.17	6.94E-03	3.16E-06	6.94E-03	3.17E-07	1.96E-08	6.94E-03	6.94E-03	8.33	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177725.17	7.14E-03	3.21E-06	7.14E-03	3.22E-07	1.96E-08	7.14E-03	7.14E-03	8.57	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177715.17	7.33E-03	3.26E-06	7.33E-03	3.27E-07	1.96E-08	7.33E-03	7.33E-03	8.80	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177705.17	7.52E-03	3.31E-06	7.52E-03	3.32E-07	1.96E-08	7.52E-03	7.52E-03	9.02	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177695.17	7.70E-03	3.36E-06	7.70E-03	3.37E-07	1.96E-08	7.70E-03	7.70E-03	9.24	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177685.17	7.87E-03	3.41E-06	7.87E-03	3.42E-07	1.96E-08	7.87E-03	7.87E-03	9.44	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177675.17	8.03E-03	3.46E-06	8.03E-03	3.47E-07	1.96E-08	8.03E-03	8.03E-03	9.64	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177665.17	8.18E-03	3.51E-06	8.18E-03	3.52E-07	1.96E-08	8.18E-03	8.18E-03	9.82	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177655.17	8.32E-03	3.56E-06	8.32E-03	3.57E-07	1.96E-08	8.32E-03	8.32E-03	9.98	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177645.17	8.45E-03	3.61E-06	8.45E-03	3.62E-07	1.96E-08	8.45E-03	8.45E-03	1.01	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177635.17	8.57E-03	3.66E-06	8.57E-03	3.67E-07	1.96E-08	8.57E-03	8.57E-03	1.03	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177625.17	8.68E-03	3.71E-06	8.68E-03	3.72E-07	1.96E-08	8.68E-03	8.68E-03	1.04	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177615.17	8.78E-03	3.76E-06	8.78E-03	3.77E-07	1.96E-08	8.78E-03	8.78E-03	1.05	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177605.17	8.87E-03	3.81E-06	8.87E-03	3.82E-07	1.96E-08	8.87E-03	8.87E-03	1.06	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177595.17	8.95E-03	3.86E-06	8.95E-03	3.87E-07	1.96E-08	8.95E-03	8.95E-03	1.07	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177585.17	9.02E-03	3.91E-06	9.02E-03	3.92E-07	1.96E-08	9.02E-03	9.02E-03	1.08	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177575.17	9.08E-03	3.96E-06	9.08E-03	3.97E-07	1.96E-08	9.08E-03	9.08E-03	1.09	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177565.17	9.13E-03	4.01E-06	9.13E-03	4.02E-07	1.96E-08	9.13E-03	9.13E-03	1.10	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177555.17	9.17E-03	4.06E-06	9.17E-03	4.07E-07	1.96E-08	9.17E-03	9.17E-03	1.10	1.07E-07	1.08E-07	1.41E-08	1.41E-07
551728.04	4177

Midway Village Project—New Phase 1 Receptors

Phase 1 Receptors: Exposed to Phase 2+3+4 Demolition and Phase 2+3+4 Construction

Construction Annual Total PM2.5 Emissions (PHASE 1 Total)

Unmitigated Concentrations

Annual Average On-Site Total PM2.5 Emission Rate—Grand Sum Area 2A (Part 1 of 2 Phase 2) (grams/m2/sec):	1.13E-06
Annual Average On-Site Total PM2.5 Emission Rate—Grand Sum Area 2A (Part 2 of 2 Phase 2) (grams/m2/sec):	1.13E-06
Annual Average On-Site Total PM2.5 Emission Rate—Grand Sum Area 2A (Phase 3) (grams/m2/sec):	8.62E-07
Annual Average On-Site Total PM2.5 Emission Rate—Grand Sum Area 4A (Part 1 of 2 Phase 4) (grams/m2/sec):	8.68E-07
Annual Average On-Site Total PM2.5 Emission Rate—Grand Sum Area 4A (Part 2 of 2 Phase 4 – Phase 4/5) (grams/m2/sec):	8.68E-07
Annual Average On-Site Total PM2.5 Emission Rate—Construction Area 2B (Part 1 of 2 Phase 2) (grams/m2/sec):	1.02E-06
Annual Average On-Site Total PM2.5 Emission Rate—Construction Area 2B and 2B/3B (Part 2 of Phase 2) (grams/m2/sec):	1.02E-06
Annual Average On-Site Total PM2.5 Emission Rate—Construction Area 3B (Phase 3) (grams/m2/sec):	1.21E-06
Annual Average On-Site Total PM2.5 Emission Rate—Construction Area 4B and Area 2B/4B (Phase 4) (grams/m2/sec):	8.14E-07
Annual Average On-Site Total PM2.5 Emission Rate—Construction Area 4B (Phase 4/5) (grams/m2/sec):	8.14E-07
Annual Average Offsite Total PM2.5 Emission Rate - Road Segment 1 (grams/sec):	3.32E-04
Annual Average Offsite Total PM2.5 Emission Rate - Road Segment 2 (grams/sec):	3.36E-04

Unmitigated PM2.5 Concentrations

Maximum	MIR	
DPM	UTM	
(ug/m3)	X	Y
6.68E+00	551728.04	4172945.17

PM2.5 MIR
UTM 551728.04 4172945.17
Latitude/Longitude 33°43'0.78" / -117°24'47.5"W

X	Y	Unit Emissions Construction Area 2B (Part 1 of 2 Phase 2) Annual AREA6	Unit Emissions Construction Area 2B and 2B/3B (Part 2 of Phase 2) Annual AREA10	Unit Emissions Construction Area 3B (Phase 3) Annual AREA13	Unit Emissions Construction Area 4B and Area 2B/4B (Phase 4) Annual AREA11	Unit Emissions Construction Area 4B (Phase 4/5) Annual AREA12	Unit Emissions Demolition Area 2A (Part 1 of 2 Phase 2) Annual AREA2	Unit Emissions Demolition Area 2A (Part 2 of 2 Phase 2) Annual AREA3	Unit Emissions Demolition Area 2A (Phase 3) Annual AREA4	Unit Emissions Demolition Area 2A (Part 1 of 2 Phase 4) Annual AREA5	Unit Emissions Demolition Area 2A (Part 2 of 2 Phase 4 – Phase 4/5) Annual AREA9	Unit Emissions Route 1 - From the project site towards US 101 AREA14	Unit Emissions Route 2 - From US-101 towards the project site AREA15	Total	PM2.5 (ug/m3)
														w/ Total Emissions (ug/m3)	
551728.04	4172945.17	7.37E-06	7.37E-06	5.60E-06	5.63E-06	5.63E-06	1.08E-06	1.08E-06	7.81E-07	1.08E-06	1.08E-06	1.08E-06	1.08E-06	6.68E+00	6.68E+00

Midway Village Project—New Phase 1 Receptors

Phase 1 Receptors: Exposed to Phases 2+3+4 Demolition and Phases 2+3+4 Construction
Construction Annual DPM Emissions (PM2.5 Exhaust)

Mitigated Concentrations

Annual Average On site DPM Rate—Demolition Area 2A (Part 1 of 2 Ph e 2) (grams/m2/acid):	5.79E-08
Annual Average On site DPM Rate—Demolition Area 2A (Part 2 of 2 Ph e 2) (grams/m2/acid):	5.79E-08
Annual Average On site DPM Rate—Demolition Area 3A (Ph ase 3) (grams/m2/acid):	4.96E-08
Annual Average On site DPM Rate—Demolition Area 4A (Part 1 of 2 Ph ase 4) (grams/m2/acid):	6.25E-08
Annual Average On site DPM Rate—Demolition Area 4A (Part 2 of 2 Ph ase 4 – Ph as e 4/5) (grams/m2/acid):	6.25E-08
Annual Average On site DPM Rate—Construction Area 2B (Part 1 of 2 Ph ase 2) (grams/m2/acid):	2.05E-07
Annual Average On site DPM Rate—Construction Area 2B and 2B/3B (Part 2 of 2 Phase 2) (grams/m2/acid):	2.05E-07
Annual Average On site DPM Rate—Construction Area 3B (Ph ase 3) (grams/m2/acid):	6.84E-08
Annual Average On site DPM Rate—Construction Area 4B and Area 3B/4B (Ph ase 4) (grams/m2/acid):	4.70E-08
Annual Average On site DPM Rate—Construction Area 4B (Ph ase 4/5) (grams/m2/acid):	4.70E-08
Annual Average Off site DPM Emission Rate - Road Segment 1 (grams/sec):	8.50E-06
Annual Average Off site DPM Emission Rate - Road Segment 2 (grams/sec):	1.00E-05

X	Y	Unit Emissions Construction Area 2B (Part 1 of 2 Phase 2)	Unit Emissions Construction Area 2B and 2B/3B (Part 2 of Phase 2)	Unit Emissions Construction Area 3B (Phase 3)	Unit Emissions Construction Area 4B and Area 3B/4B (Phase 4)	Unit Emissions Construction Area 4B (Phase 4/5)	Unit Emissions Demolition Area 2A (Part 1 of 2 Phase 2)	Unit Emissions Demolition Area 2A (Part 2 of 2 Phase 2)	Unit Emissions Demolition Area 3A (Phase 3)	Unit Emissions Demolition Area 4A Part 2 of 2 Phase 4 – Phase 4/5	Unit Emissions Route 1 - From the project site to nearest US-101	Unit Emissions Route 2 - From US-101 towards the project site	Total	DPM (ug/m3)	Mitigated DPM Concentrations MIR Maximum	
		Annual DPM Exhaust	Annual DPM Exhaust	Annual DPM Exhaust	Annual DPM Exhaust	Annual DPM Exhaust	Annual DPM Exhaust	Annual DPM Exhaust	Annual DPM Exhaust	Annual DPM Exhaust	Annual DPM Exhaust	Annual DPM Exhaust		DPM	UTM	
														(ug/m3)	X	Y
551728.04	4178945.17	7377968061	140071197.9	1907684562	16236.98242	39869.29405	109911.1046	203972522	162632.0495	640144488	242722.6619	1113.373	1.09757	6.68E-02	551738.04	4178945.17
551738.04	4178795.17	1332716656	6271.9835	99225.30638	10986.16048	68132.8905	191202.6887	9149.38107	80954.90208	43012611	386931.4198	1088.026	1.06536			
551728.04	4178355.17	572111.4569	195784.04964	1950852.951	18886.23327	33494.98147	87660.86714	275659.28724	167347.8846	736938.6343	208543.80018	1.102099	1.08692			
551738.04	4178345.17	1084134.662	9558.28124	1251033.0277	11688.71598	59488.74003	156966.0204	11605.97538	103907.9774	46913.86995	322303.0289	1.09532	1.05066			
551748.04	4178345.17	112297.4024	3643.73846	411515.5931	7240.69308	14045.1413	2032113.7295	5601.93095	342395.3544	29923.58788	664814.8818	1.05928	1.04512			
551758.04	4178345.17	453101.41812	2990.653205	1898465.3123	22332.28608	28512.87716	71364.89373	189380.0618	163185.9284	8908.17984	1895396.517	1.059118	1.07912			
551748.04	4178995.17	1265601.0827	4035.23526	514681.14959	7939.4053	11809.15844	1997984.4013	6842.86821	426116.37369	33773.13986	538474.66668	1.04207	1.02825			
551758.04	4178995.17	697911.18237	3971.17859	1439971.469	15208.85934	45057.74866	1239872.417	14478.70858	120832.616	53813.15684	473162.14156	1.029784	1.02825			
551748.04	4178845.17	1237387.7738	8215.43822	650251.60339	88399.25587	82007.22058	1827071.7704	7509.4305	533907.0103	35966.98291	644112.26646	1.025289	1.01236			
551758.04	4178335.17	466003.08432	2299.2649	225013.28281	3370.12386	20127.8168	1440886.9695	3708.20648	190567.72021	22461.14334	118835.0786	1.043452	1.02958			
551758.04	4178745.17	820151.47963	2577.51859	266360.65827	5816.36785	18155.8832	1590512.7644	4228.43272	222818.8803	24221.68049	193317.88802	1.03494	1.03154			
551748.04	4178945.17	65482.6638	1287674.8784	151317.7503	13502.84882	17932.30612	107095.7340	18684.08919	11982.01699	2355.10704	22114.70546	1.041159	1.02774			
551748.04	4178575.17	1094083.9307	3265.61521	811073.56061	9860.31778	14960.54819	1577053.4911	8805.68974	675674.62135	30553.96656	365509.70125	1.031119	1.00791			
551758.04	4178315.17	7618534731	3903.93463	314303.95747	6327.71947	13093.1974	1650241.689	4635.53848	264073.97102	26155.77754	746945.50328	1.007747	0.99447			
551758.04	4178315.17	517856164471	3771.65765	1511072.6616	17706.17066	35813.8395	787261.10664	38833.3625	115317.6967	69163.58416	199072.06004	1.01019	1.01762			
551758.04	4178345.17	88888.5799	3113.05652	697183.69231	183765.8983	162749.7941	5256.14804	31746.95537	2844.090858	606281.10272	1099.106	0.9384	5.13E-03	1.93E-04	1.17E-04	1.04E-05
551758.04	4178225.17	416210.08077	1463271.04	33938.15328	27003.03879	66045.66406	36073.23644	125035.9247	8564.309062	172797.87403	1.02472	1.010491	2.41E-03	1.49E-04	1.03E-04	8.78E-06
551748.04	4178965.17	900606.66837	3564.78179	960989.98594	11078.83138	53916.44005	1301012.1797	10772.85651	81919.4485	44316.70788	306116.09184	1.093778	0.9987	5.21E-03	4.10E-04	4.83E-05
551758.04	4178315.17	3402370.942	38958.26569	1384918.619	15590.33828	28396.44674	54362.5308	48924.64412	134070.797	68187.05344	153139.09305	1.010966	1.00632	1.97E-03	2.29E-03	5.87E-04
551758.04	4178995.17	942852.37159	3830.23129	454889.0226	76007.96844	94853.95478	1537885.5079	6032.28886	386655.507116	31060.88533	497988.89577	1.07586	0.9835	5.45E-03	2.23E-04	2.71E-05
551748.04	4178665.17	721353.93857	3966.00382	1390065.0196	17052.23478	43626.18913	1053934.9569	11937.08867	106664.61476	48519.0764	230087.90777	1.086619	0.973727	4.17E-03	5.15E-04	1.04E-04
551768.04	4178055.17	296694.916	1769.59377	159765.59939	1844.63915	1894.21.83.91	73102.79522	2886.18462	13873.75329	18760.87744	1494880.0752	1.010002	0.999668	1.54E-03	1.02E-04	7.49E-04
551758.04	4178665.17	2212516.93066	8616.34662	1490188.88226	41563.31174	19893.1776	150007.37164	19545.60025	12349.59282	17916.16415	164935.851	1.03864	1.014575	1.28E-03	9.34E-05	6.96E-04
551748.04	4178045.17	3257016.6686	8949.03705	1823649.98207	47742.49739	17914.1721	93973.1639	3165.93886	15748.72139	19992.29656	125179.611	1.09219	0.979355	1.88E-03	1.13E-04	1.02E-03
551748.04	4178995.17	5109074.9136	4496.67135	916532.99792	84113.17463	17411.94693	140101.1908	3018.43899	47098.30245	44964.8856	41286.71072	0.96168	0.949557	2.43E-03	1.24E-04	1.03E-03
551748.04	4178345.17	578293.20048	1175523.79981	115842.9548	14335.05498	39154.78569	85755.75259	17031.69033	10117.5.0313	56673.88698	223135.80256	0.976643	0.963162	3.34E-03	6.79E-04	5.48E-05
551758.04	4178335.17	1601917.6152	3916.6	511.4.10.6998	58745.2647	18709.05058	3934.18464	18079.69854	5513.47687	18143.25878	1011.0.0.6846	0.996276	0.983266	1.29E-03	1.21E-04	1.02E-04
551748.04	4178325.17	4943215494	3813.12858	2463473604	55622.27172	142877.588	118907.236	3884.59822	21005.97103	2305.8598	81912.43969	0.95903	0.94702	2.86E-03	1.48E-04	5.49E-04
551758.04	4178315.17	818811.09335	5881.43855	646519.95607	9365.686999	59826.1569	1238043.5367	8302.6852	567661.20314	59765.69047	545.35.9947	0.944872	0.93682	4.85E-03	3.31E-04	3.48E-05
551748.04	4178775.17	1602.5.9441	3651.78411	397634.11144	11460.61868	18104.1.8845	1.3.6.0.0.0.0.0	3934.68305	11002.8956	16274.1.521	1.3.6.9.4.2	1.021792	1.010342	1.07E-03	8.53E-05	1.07E-03
551758.04	4178315.17	4681818.81829	1559547.333	117767.5334	1663.8.1.739	32044.33.12	709214.94159	222732.74714	104345.9735	65132.02727	190744.61603	0.96481	0.95536	2.71E-03	9.32E-04	5.84E-04
551748.04	4178335.17	588884.83505	2.3.0.0.0.0.37	2.3.0.0.0.0.37	6.3.0.0.0.0.37	6.3.0.0.0.0.37	6.3.0.0.0.0.37	6.3.0.0.0.0.37	6.3.0.0.0.0.37	6.3.0.0.0.0.37	6.3.0.0.0.0.37	6.3.0.0.0.0.37	6.3.0.0.0.0.37	1.22871.9159	0.956174	0.93207	2.22E-03	1.36E-03	5.7E-05	1.03E-03	1.58E-04	1.42E-04
551748.04	4178325.17	383461.61751	20441.7747	116061.1702	19581.9.1.38	29804.38801	59440.41226	29971.08369	104191.423	75863.9716	16572.91.71	0.961.45	0.94874	5.21E-03	1.36E-03	5.7E-05	1.03E-03	1.58E-04	1.42E-04	1.03E-03	1.36E-04	1.01E-05
551748.04	4178315.17	31.8.1.3.0.0.0	3.2.3.7.1.9.8.7.8	1.2.3.7.1.9.2.8.7	2.6.0.5.4.4.8.8	4.8.9.9.5.2.1.2	4.3.6.5.5.4.3.2.7.2	4.3.6.5.5.4.3.2.7.2	1.4.0.2.7.0.7.9.7	1.4.0.2.7.0.7.9.7	1.4.0.2.7.0.7.9.7	1.4.0.2.7.0.7.9.7	1.4.0.2.7.0.7.9.7	1.2.2.1.0.1.5.0.3.5	0.9.4.6.1	1.0.4.0.0.2	6.2E-03	1.3E-03	5.7E-05	1.03E-03	1.58E-04	1.42E-04	1.03E-03	1.36E-04	1.01E-05
551758.04	4178315.17	7268178511	8187.3764	770837257	10409.92581	12.0.4.6.3.2.8.6	6.0.0.0.4.2.0.1.6	1.0.0.0.7.9.5.2.1.4	6.0.0.0.4.2.0.1.6	2.9.1.1.0.3.3.7.3	6.5.1.1.0.2.7.2.7	1.9.0.7.4.4.1.6.0.3	8.6.5.5.3.6	4.2.0.0.5.2.2.1	0.9.3.6.0.3	1.0.2.5.1.2	4.20E-03	1.39E-03	5.7E-05	1.03E-03	1.58E-04	1.42E-04	1.03E-03	1.36E-04	1.01E-05
551758.04	4178315.17	6119525839	8287.04831	858054.69745	13536.53468	38309.85241	75211.86396	4715.1595	24782.56137	0.9267	0.91512	3.54E-03	6.79E-04	4.25E-03	7.42E-04	2.21E-04	1.16E-03	7.88E-04	9.70E-04	3.90366E-02		
551758.04	4178995.17	5015.76978	4974475243	7551.78216	18901.1706	11778.1.905	9557.98559	18475.20498	4635.76098	46.31.6.6024	1.0.1.6.1.5	0.9.0.5.3	0.8.9.0.6	4.05E-03	2.03E-03	1.16E-03	1.39E-04	2.17E-04	7.79E-04	9.59E-04	4.15944E-02		
551758.04	4178345.17	5039.15.7.6814	1073.5.1.2529	9.1.6.4.0.5.4.9.5.8	1.3.5.3.5.6.4.6.8	1.8.3.0.9.8.2.6.4	7.5.7.2.1.0.4.3.4.2	1.5.5.4.4.5.9.7.4	5.5.5.7.2.2.9	2.1.2.5.1.8.0.9.9	1.9.9.1.2.9.6.6	1.0.1.1.9.5.5.5	0.9.3.7.9.3.5	2.0.4.E-03	6.2.8.E-04	4.5.4.E-04	1.4.8.E-03	1.1.5.E-02	2.1.9.E-03	1.3.1.E-03	5.6.2.E-04	5.4.E-05	1.0.7.E-02	1.3.2

Midway Village Project—New Phase 1 Receptors

Phase 1 Receptors: Exposed to Phases 2+3+4 Demolition and Phases 2+3+4 Construction
Construction Annual Total PM2.5 Emissions (PM2.5 Total)

	Mitigated Concentrations
Annual Average On site Total PM2.5 Emission Rate—Demolition Area 2A (Part 1 of 2 Phase 2) (grams/m2/sec):	3.12E-07
Annual Average On site Total PM2.5 Emission Rate—Demolition Area 2A (Part 2 of 2 Phase 2) (grams/m2/sec):	3.12E-07
Annual Average On site Total PM2.5 Emission Rate—Demolition Area 3B (grams/m2/sec):	2.79E-07
Annual Average On site Total PM2.5 Emission Rate—Demolition Area 4A (Part 1 of 2 Phase 4) (grams/m2/sec):	1.28E-07
Annual Average On site Total PM2.5 Emission Rate—Demolition Area 4A (Part 2 of 2 Phase 4 – Phase 4/5) (grams/m2/sec):	1.28E-07
Annual Average On site Total PM2.5 Emission Rate—Demolition Area 2B (Part 1 of 2 Phase 2) (grams/m2/sec):	3.80E-07
Annual Average On site Total PM2.5 Emission Rate—Demolition Area 2B and 2B/3B (Part 2 of Phase 2) (grams/m2/sec):	3.80E-07
Annual Average On site Total PM2.5 Emission Rate—Demolition Area 3B (grams/m2/sec):	4.59E-07
Annual Average On site Total PM2.5 Emission Rate—Construction Area 4B and Area 2B/4B (Phase 4) (grams/m2/sec):	4.59E-07
Annual Average On site Total PM2.5 Emission Rate—Construction Area 4B (Phase 4/5) (grams/m2/sec):	3.32E-04
Annual Average Off site Total PM2.5 Emission Rate - Road Segment 1 (grams/sec):	3.30E-04
Annual Average Off site Total PM2.5 Emission Rate - Road Segment 2 (grams/sec):	

Mitigated PM2.5 Concentrations

Maximum			MIR	
DPM			UTM	
(ug/m3)	X	Y		
2.76E02E-01	551728.04	4172945.17		

PM2.5 MIR
UTM 551728.04 4172945.17
Lat/Lub. Lon/Lub 37°42'08.2"N 122°24'47.5"W

X	Y	Unit Emissions Construction Area 3B (Part 1 of 2 Phase 2)	Unit Emissions Construction Area 2B and 2B/3B (Part 2 of Phase 2)	Unit Emissions Construction Area 3B (Phase 3)	Unit Emissions Construction Area 4B and Area 2B/4B (Phase 4)	Unit Emissions Construction Area 4B (Phase 4/5)	Demolition Area 2A (Part 1 of 2 Phase 2)	Demolition Area 2A (Part 2 of 2 Phase 2)	Demolition Area 3B (Phase 3)	Demolition Area 4A (Part 1 of 2 Phase 4)	Demolition Area 4A (Part 2 of 2 Phase 4 – Phase 4/5)	Unit Emissions Route 1 - From the project site towards I/S-101	Unit Emissions Route 2 - From I/S-101 towards the project site	Total	PM2.5 (ug/m3)	PM2.5 UTM	
		w/Actual Emissions	w/Actual Emissions	w/Actual Emissions	w/Actual Emissions	w/Actual Emissions	w/Actual Emissions	w/Actual Emissions	w/Actual Emissions	w/Actual Emissions	w/Actual Emissions	w/Actual Emissions	w/Actual Emissions				
		Annual PM2.5	Annual PM2.5	Annual PM2.5	Annual PM2.5	Annual PM2.5	Annual PM2.5	Annual PM2.5	Annual PM2.5	Annual PM2.5	Annual PM2.5	Annual PM2.5	Annual PM2.5				
		AREA5	AREA6	AREA7	AREA13	AREA12	AREA1	AREA2	AREA3	AREA4	AREA5	AREA6	AREA7				
551728.04	4172845.17	7377768.8061	140071.9373	1907068.4562	16236.98248	19869.25605	1099111.046	203972.5202	1626332.0495	640144.4488	242722.24619	1.11373	1.09757	2.308.02	4.38E-03	5.21E-02	2.09E-03	5.12E-03	4.24E-02	7.87E-03	1.22E-01	3.15E-03	1.20E-02	3.70E-04	3.68E-04	2.76835E-01	
551728.04	4172975.17	13327316.656	251.9835	992225.30638	19398.16048	18552.89183	1912016.6897	9149.38107	809546.80288	420128.6211	386931.64188	1.088265	1.065366	4.16E-04	1.74E-03	2.71E-02	1.33E-03	6.98E-03	7.38E-02	6.00E-03	2.07E-01	1.91E-02	3.59E-04	3.58E-04	4.20998E-01			
551728.04	4172935.17	17711.11469	19574.84964	1950852.951	18896.23327	33894.98147	876560.86714	275659.28724	1673473846	736938.8343	208543.80018	1.102099	1.086592	1.79E-02	6.11E-04	5.33E-02	2.43E-03	4.30E-03	3.38E-02	1.06E-02	1.25E-01	3.63E-03	1.03E-02	3.66E-04	3.65E-04	2.49044E-01			
551728.04	4172885.17	9558.28174	125103.0171	11686.71938	55688.74809	1569662.0258	11605.97538	103907.9774	4691.966995	322303.0289	1.06532	1.050966	3.86E-04	1.39E-03	5.42E-02	1.50E-04	7.18E-03	6.48E-02	4.48E-03	7.79E-02	2.31E-03	1.59E-02	3.56E-04	3.53E-04	2.40944E-01			
551728.04	4172845.17	112297.4024	1643.7846	41515.59591	72460.6938	14045.1413	2032513.2795	5601.93095	342395.35344	2992.587988	664834.68418	1.05928	1.04512	3.51E-02	1.11E-01	1.13E-02	9.30E-04	1.80E-02	7.84E-02	2.16E-03	2.57E-02	1.47E-03	3.37E-02	3.52E-04	3.51E-04	2.09756E-01	PM2.5 MIR		
551728.04	4172975.17	453103.41812	29098.63205	1886465.3123	22332.28408	28112.87716	71364.89373	38930.26518	163185.9294	8908.17984	18095.36117	1.05918	1.07912	1.90E-03	5.15E-02	2.87E-03	1.58E-03	2.77E-02	1.50E-02	1.22E-01	4.24E-03	8.91E-03	3.46E-04	3.62E-04	2.40111E-01	UTM	551728.04	4172945.17
551728.04	4172895.17	1266560.0827	4105.23526	514684.14959	7939.4053	10919.5.2844	1997864.4013	6642.36821	426116.37369	327713.1386	538474.66668	1.04207	1.02825	3.95E-02	1.39E-03	1.41E-02	1.03E-03	1.37E-02	7.73E-02	2.49E-03	3.15E-02	1.61E-03	2.65E-02	3.46E-04	3.45E-04	2.30079E-01	Lat/Lub. Lon/Lub	37°42'08.2"N 122°24'47.5"W	
551728.04	4172885.17	837.1.7891	1409971469	15208.85934	45057.74866	115987.2417	14478.70858	120832.616	52833.15684	27162.1421456	1.032756	1.019768	4.02E-02	3.04E-03	5.90E-02	1.91E-03	4.79E-02	5.59E-02	5.06E-03	1.66E-03	1.34E-02	3.48E-04	3.48E-04	2.30499E-01			
551728.04	4172885.17	123798.7738	825.4822	65025.63039	88399.25587	82007.2058	1827071.7704	7509.4305	53907.0103	3596.982911	644112.26646	1.025889	1.01236	1.86E-02	1.51E-03	1.79E-02	1.14E-03	1.08E-02	7.07E-02	2.90E-03	4.04E-02	1.77E-03	2.17E-02	3.45E-04	3.43E-04	2.09156E-01			
551728.04	4172815.17	466020.08432	2299.2649	225501.38281	33701.12886	28227.8168	1440886.9695	3708.20648	19056.72021	2244.14334	118085.0786	1.043452	1.020958	1.46E-02	7.16E-04	6.15E-03	6.90E-04	2.85E-02	5.54E-02	1.43E-03	1.43E-02	1.11E-03	5.81E-02	3.46E-04	3.46E-04	1.78985E-01			
551728.04	4172755.17	60151.47961	257.5359	26430.65827	5816.36785	18155.3812	159052.7994	48216.83721	22261.88063	24216.88049	91537.88802	1.010494	1.00154	1.88E-02	8.04E-04	7.22E-03	7.47E-04	2.38E-02	6.14E-02	1.59E-03	1.67E-02	1.13E-03	4.60E-02	3.45E-04	3.44E-04	1.84626E-01			
551728.04	4172845.17	6542.2.6638	1287.647084	151317.7503	15280.8682	37932.38112	67095.73403	186684.08919	139820.1699	60767.64438	369539.80106	1.04159	1.02734	2.04E-02	4.01E-03	4.13E-02	1.96E-03	4.86E-03	3.77E-02	7.21E-03	9.73E-02	2.97E-03	1.14E-02	3.46E-04	3.45E-04	2.26670E-01			
551728.04	4172875.17	1090653.507	1635.6521	146327.194	23008.15328	27003.03879	650451.66406	36073.23644	125035.9247	18643.30906	172797.87403	1.02472	1.012481	3.49E-03	1.51E-03	1.32E-02	8.03E-04	1.49E-03	2.68E-02	4.03E-03	4.51E-02	3.97E-03	8.51E-03	3.46E-04	3.39E-04	2.31376E-01			
551728.04	4172965.17	90006.66837	3564.7879	96989.98594	11078.83138	51916.44035	130310.1797	10772.85651	81919.6485	44316.70788	94613.07484	1.093778	1.0987	2.81E-02	2.22E-03	2.65E-02	1.42E-03	6.07E-03	5.03E-02	4.16E-03	6.14E-02	2.18E-03	1.51E-02	3.31E-04	3.31E-04	1.98670E-01			
551728.04	4172915.17	340215.92797	1884.8619	25580.93828	12276.64039	12430.43886	48899.35212	4555.43372	31655.43372	12409.0797	35616.16415	1.03864	1.02715	1.04E-02	1.22E-03	9.78E-03	1.03E-03	1.99E-03	1.99E-02	3.30E-03	3.72E-02	7.45E-03	3.38E-03	3.38E-04	3.38E-04	1.32516-01			
551728.04	4172895.17	942852.37159	1.9.5	45889.0226	68755.05774	106447.0373	100407.9214	60504.20176	4198.5458	29113.03373	93663.02521	1.03693	1.02521	6.30E-03	4.13E-02	3.86E-03	4.99E-02	2.07E-03	1.44E-02	3.31E-04	3.31E-04	1.78406E-01							
551728.04	4172955.17	1663.57.9553	1.8994	34329.18355	6021.48122	18.488.3837	122453.2326	4554.5577	23727.84529	4703.52286	53343.51245	1.029944	1.018904	1.95E-03	1.95E-03	8.48E-04	1.30E-02	4.78E-03	1.92E-02	2.19E-02	1.33E-03	2.73E-02	3.38E-04	3.38E-04	1.78E-01			
551728.04	4172955.17	11.190.25839	8287.04813	85805.69745	11.878.8742	6055.4312	89660.93291	12331.45805	75021.86396	4715.1595	24782.56137	1.01.9267	1.009552	1.91E-02	2.59E-03	2.34E-02	1.53E-03	5.38E-03	3.47E-02	4.76E-03	5.62E-02	2.32E-03	1.22E-02	3.38E-04	3.37E-04	1.62746-01			
551728.04	4172895.17	1.1.9.5.9.6.7	1.4.9.8.8.8.2.2.6	73.6.6.7.9.6.4	1.1.8.9.9.5.3.7.6	1.1.7.7.9.1.9.0.5	1.1.7.7.9.1.9.0.5	9557.98259	1.6.6.5.4.0.3.2.2	1.2.3.6.5.0.9.2.8.2	1.4.4.5.3.5.4.5.2.5	1.0.1.0.6.6.4	1.0.0.8.7.5.6	1.9.4.1.E-0.2	1.5.6.9.E-0.3	1.5.4.5.E-0.2	1.2.3.9.E-0.3	1.0.1.4.E-0.2	1.2.3.7.E-0.2	1.5.3.E-0.3	1.4.5.E-0.2	1.4.3.E-0.3	3.4.6.E-0.4	3.4.6.E-0.4	1.4.0.2.E-0.1			
551728.04	4172845.17	1.9.5.0.7.5.1.6.6.4	1.3.1.3.2.8.5.8	2.4.6.3.4.7.3.6.0.4	5.5.6.2.2.7.7.7.2	1.4.2.8.9.7.5.8.8	8.1.5.1.2.4.5.5.9.4	2.1.0.5.5.9.7.1.0.3	8.1.5.4.2.4.6.9.5	3.1.0.1.2.4.5.5.9.4	1.2.0.5.5.9.7.1.0.3	1.5.4.0.2.5.4.9.4	8.1.5.4.2.4.6.9.5	1.4.6.2.E-0.2	7.5.4.E-0.3	6.7.3.E-0.3	1.5.0.0.E-0.3	1.1.4.E-0.3	4.0.4.E-0.2	3.1.8.E-0.3	4.2.0.E-0.2	1.1.4.E-0.3	3.1.8.E-0.3	3.4.6.E-0.4	1.4.7.1.E-0.1			
551728.04	4172875.17	8.8.8.1.1.0.9.3.5	1.6.8.5.1.4.4.8.8.1	1.6.6.5.1.9.6.6.0.7	5.9.6.2.0.1.5.6.8	2.3.8.0.4.3.5.6.7	8.3.0.2.6.8.5.2	5.6.7.6.6.2.0.1.4	2.1.0.5.5.9.7.1.0.3	1.5.5.3.5.9.7.4.4.7	1.9.5.0.2.9.5.5.8.8	8.1.9.1.2.4.3.6.9.9	2.1.0.5.5.9.7.1.0.3	1.8.1.0.E-0.2	6.6.1.E-0.3	5.7.0.E-0.3	1.5.6.E-0.3	1.1.4.E-0.3	4.0.4.E-0.2	3.3.8.E-0.3	4.2.0.E-0.2	1.1.4.E-0.3	3.3

Scenario 6

Midway Village Project—New Phase 2 Receptors

Summary Offsite Construction Emissions (No Mitigation)

Route 1 - From the project site towards US-101
Route 2 - From US-101 towards the project site

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

DPM			**DPM**		
Road Segment 1 Phase 3—Demolition		7.67796E-07	Road Segment 1 Phase 3—Demolition		2.82706E-05
Road Segment 2 Phase 3—Demolition		1.38061E-06	Road Segment 2 Phase 3—Demolition		2.85866E-05
Road Segment 1 Phase 4—Demolition		3.08140E-07	Road Segment 1 Phase 4—Demolition		1.52163E-05
Road Segment 2 Phase 4—Demolition		4.51022E-07	Road Segment 2 Phase 4—Demolition		1.53864E-05
Road Segment 1 Phase 3—Construction		1.95738E-06	Road Segment 1 Phase 3—Construction		7.94052E-05
Road Segment 2 Phase 3—Construction		1.99303E-06	Road Segment 2 Phase 3—Construction		8.02927E-05
Road Segment 1 Phase 4—Construction		2.28605E-06	Road Segment 1 Phase 4—Construction		9.18916E-05
Road Segment 2 Phase 4—Construction		2.74541E-06	Road Segment 2 Phase 4—Construction		9.29187E-05
Scenario					
New Phase 2 Receptors: Exposed to Phases 3+4 Demolition and Phases 3+4 Construction	Road Segment 1	5.31937E-06		Road Segment 1	2.14784E-04
	Road Segment 2	6.57007E-06		Road Segment 2	2.17184E-04

Cancer Risk Calculations Using OEHHA/BAAQMD Cancer Risk Assumptions
Midway Village Project—New Phase 2 Receptors
Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Infant
UTM: 551674.71 4172865.89

Cancer Potency Factor: 1.1 $(mg/kg\text{-}day)^{-1}$
Exposure Frequency 350 days/year
Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
3rd Trimester	0.442853003	10	361	1	0.25	6.0
0-1	0.442853003	10	1,090	1	0.93	67.5
				Total		73.53

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
3rd Trimester	0.04295009	10	361	1	0.25	0.6
0-1	0.04295009	10	1,090	1	0.93	6.5
				Total		7.13

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Child
UTM: 551674.71 4172865.89

Cancer Potency Factor: 1.1 $(mg/kg\text{-}day)^{-1}$
Exposure Frequency 350 days/year
Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Construction Period	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
All Phases	0.442853003	3	572	1	1.18	13.5
				Total		13.49

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Construction Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
All Phases	0.04295009	3	572	1	1.18	1.3
				Total		1.31

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Adult
UTM: 551674.71 4172865.89

Cancer Potency Factor: 1.1 $(mg/kg\text{-}day)^{-1}$
Exposure Frequency 350 days/year
Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Construction Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
All Phases	0.442853003	1	261	0.73	1.18	1.5
				Total		1.50

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Construction Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
All Phases	0.04295009	1	261	0.73	1.18	0.1
				Total		0.145

Midway Village Project—New Phase 2 Receptors

Estimates of Chronic Non-Cancer Hazard Index (CNCHI)

Unmitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM: 5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
551674.71	4172865.89	0.4429	0.4429	0.08857

Unmitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
551674.71	4172865.89	0.7229	0.7229

Mitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM: 5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
551674.71	4172865.89	0.0430	0.0430	0.00859

Mitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
551684.15	4172895.89	0.3273	0.3273

Midway Village Project—New Phase 2 Receptors

New Phase 2 Receptors: Exposed to Phases 3+4 Demolition and Phases 3+4 Construction
Construction Annual DPM Emissions (PM2.5 Exhaust)

	Unmitigated Concentrations
Annual Average Onsite DPM Rate—Demolition Area 3A (Phase 3) (grams/m2/sec):	6.37E-07
Annual Average Onsite DPM Rate—Demolition Area 4A (Part 1 of 2 Phase 4) (grams/m2/sec):	8.02E-07
Annual Average Onsite DPM Rate—Demolition Area 4A (Part 2 of 2 Phase 4 – Phase 4/5) (grams/m2/sec):	8.02E-07
Annual Average Onsite DPM Rate—Construction Area 3B (Phase 3) (grams/m2/sec):	5.32E-07
Annual Average Onsite DPM Rate—Construction Area 4B and Area 2B/4B (Phase 4) (grams/m2/sec):	3.68E-07
Annual Average Offsite DPM Rate—Construction Area 4B (Phase 4/5) (grams/m2/sec):	3.68E-07
Annual Average Offsite DPM Emission Rate - Road Segment 1 (grams/sec):	5.32E-06
Annual Average Offsite DPM Emission Rate - Road Segment 2 (grams/sec):	6.57E-06

		Unit Emissions	Unit Emissions	Unit Emissions	Unit Emissions	Unit Emissions	Unit Emissions	Unit Emissions	Unit Emissions	Construction Area 2B (Part 1 of 2 Phase 2)	Construction Area 2B and 2B/3B (Part 2 of Phase 2)	Construction Area 3B (Phase 3)	Construction Area 4B and Area 2B/4B (Phase 4)	Construction Area 4B (Phase 4/5)	Demolition Area 2A (Part 1 of 2 Phase 2)	Demolition Area 2A (Part 2 of 2 Phase 2)	Demolition Area 3A (Phase 3)		
		Construction Area 3B (Phase 3)	Construction Area 4B and Area 2B/4B (Phase 4)	Construction Area 4B (Phase 4/5)	Demolition Area 3A (Phase 3)	Demolition Area 4A (Part 1 of 2 Phase 4)	Demolition Area 4A (Part 2 of 2 Phase 4 – Phase 4/5)	Route 1 - From the project site towards US-101	Route 2 - From US-101 towards the project site	Annual DPM Exhaust	Annual DPM Exhaust	Annual DPM Exhaust	Annual DPM Exhaust	Annual DPM Exhaust	Annual DPM Exhaust	Annual DPM Exhaust	Annual DPM Exhaust	Total	
X	Y	AREA5	AREA6	AREA7	AREA11	AREA12	AREA13	LINE1	LINE2	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	DPM	DPM
551 674.71	4172 865.89	2 536S7.36 2	12 577 2.288 5	1 6192.332 73	2664 90.3884	582 81.6980 9	1 1223.510 53	1 833 15	1.78 152	1.62E-01	1.01E-01	1.30E-02	1.42E-01	2.14E-02	4.13E-03	9.75E-06	1.17E-05	4.42E-01	(ug/m3)
551 684.15	4172 895.89	3220 54.3417	54 273.538 29	2 2752.432 04	2813 45.6369	2098 45491	1 5295.542 41	1 529S 1	1.49 859	2.05E-01	1.35E-02	1.83E-03	1.50E-01	7.72E-03	5.63E-03	8.14E-06	9.85E-06	4.29E-01	4.4285 E-01
551 677.73	4172 875.61	2760 85.9934	51 854.607 15	1 8232.976 42	2708 18.9251	388 45.8495 9	1 2484.602 18	1 696 07	1.64 923	1.76E-01	7.53E-02	1.46E-02	1.44E-01	1.43E-02	4.59E-03	8.99E-06	1.08E-05	4.28E-01	551674.71
551 689.28	4172 903.18	3257 69.2509	451 04.715 05	244 32.0162	2 719 28.4	172 84.6666 1	1 6260.850 01	1 459 65	1.43 201	2.07E-01	3.62E-02	1.94E-02	1.45E-01	6.36E-03	5.98E-03	7.76E-06	9.41E-06	4.20E-01	4172 865.89
551 698.22	4172 884.49	2947 82.9474	729 83.341 69	200 43.5664	2593 19.4043	284 28.8145 8	1 3626.157 34	1 58 3	1.54 846	1.88E-01	5.86E-02	1.61E-02	1.38E-01	1.05E-02	5.01E-03	8.42E-06	1.02E-05	4.15E-01	UTM
551 684.71	4172 865.89	2054 37.0862	128 406.784 4	1 5539.465 55	2263 52.8492	579 11.1217 4	1 0715.653 15	1 656 26	1.61 331	1.31E-01	1.03E-01	1.25E-02	1.20E-01	2.13E-02	3.94E-03	8.81E-06	1.06E-05	3.92E-01	Latitude, Longitude
551 693 32	4172 895.33	2877 89.6418	539 71.980 57	2 1964.430 78	2334 14.7141	199 91.7945 8	1 1476.930 75	1 419 11	1.39 191	1.83E-01	4.33E-02	1.76E-02	1.24E-01	7.36E-03	5.43E-03	7.55E-06	9.14E-06	3.81E-22E-01	
551 687.73	4172 875.61	2331 15.2903	939 79.7732 7	1 7358.253 67	2259 12.9975	382 99.5019 9	1 1816.571 15	1 5454	1.51 025	1.48E-01	7.54E-02	1.38E-02	1.20E-01	1.41E-02	4.35E-03	8.22E-06	9.92E-06	3.76E-47E-01	
551 69 2.2	4172 884.49	2529 62.7928	714 66.812 6 9	1 9248.128 59	2150 89.8241	269 96.7450 8	1 3049.322 59	1 454 65	1.42 501	1.61E-01	5.73E-02	1.54E-02	1.14E-01	9.93E-03	4.80E-03	7.74E-06	9.36E-06	3.63E-76E-01	
551 699 28	4172 903.18	2729 50.0181	432 42.1025 4	2 3627.415 46	2234 68.7266	169 91.6563 4	1 5744.883 95	1 347 18	1.32 292	1.74E-01	3.47E-02	1.90E-02	1.19E-01	5.92E-03	5.79E-03	7.17E-06	8.69E-06	3.58E-12E-01	
551 645.71	4173 039.79	3961 8.76117	7615 26.881	2 695 40.9103	3017 74.0994	3188 815 73	1 9685 4.10 15	2 853 99	3.70 803	2.52E-02	6.11E-03	2.14E-01	1.61E-02	1.17E-03	7.24E-02	2.05E-05	2.44E-05	3.34E-05-01	
551 665.71	4173 029.79	4521 05.0729	7927.32 978	2 6635 3.752	3401 40.2698	3374 536 56	1 8475 4.84 65	2 486 16	2.42 247	2.88E-02	6.36E-03	2.14E-01	1.81E-02	1.24E-03	6.80E-02	1.32E-05	1.59E-05	3.36 19E-01	
551 702.2	4172 894.49	2331 45.1869	532 99.587 89	2 0956.759 43	1955 97.7525	1919 7.35 34	1 4091.367 43	1 3229	1.29 885	1.48E-01	4.28E-02	1.68E-02	1.04E-01	7.06E-03	5.17E-03	7.04E-06	8.53E-06	3.24 39E-01	
551 655.71	4173 029.79	4676 80.4052	81 03.4047	2 479 77.1317	3464 30.7473	3426 325 99	1 7060S 50 76	2 928 04	2.83 762	2.98E-02	6.50E-03	1.99E-01	1.84E-02	1.26E-03	6.28E-02	1.56E-05	1.86E-05	3.17 74E-01	
551 702.2	4172 884.49	2029 04.4076	684 51.256 18	1 8478.876 93	1775 50.0285	251 55.1816	1 2557.940 96	1 3389 3	1.31 354	1.29E-01	5.49E-02	1.48E-02	9.45E-02	9.26E-03	4.62E-03	7.12E-06	8.63E-06	3.07 34E-01	
551 635.71	4173 039.79	4066 44.5819	7764 68.852	2 431 98.6891	3054 76.5371	3209 010 46	1 770 74.78 24	4 990 28	4.76 055	2.59E-02	6.23E-03	1.95E-01	1.65E-02	1.18E-03	6.52E-02	2.65E-05	3.13E-05	3.09 89E-01	
551 685.71	4173 019.79	5960 63.0017	8145.42 035	2 451 13.3364	3783 44.0424	3482 203 83	1 446 28 28 45	1 861 2 3	1.8244	3.22E-02	6.54E-03	1.97E-01	2.01E-02	1.28E-03	5.39E-02	9.90E-06	1.20E-05	3.10 80E-01	
551 675.71	4173 019.79	5387 61.4132	8455.84 433	2 380 42.9409	3964 29.5397	3602 736 53	1 470 64 08 21	2 0905	2.04 518	3.41E-02	6.77E-03	1.91E-01	2.11E-02	1.33E-03	5.43E-02	1.11E-05	1.34E-05	3.08 83E-01	
551 695.71	4173 019.79	4702 46.9081	7843.42 258	2 477 90.2063	3570 68.8737	33 49.2656	140 520.513	1 6746 8	1.64 406	2.99E-02	6.29E-03	1.99E-01	1.90E-02	1.23E-03	5.17E-02	8.91E-06	1.08E-05	3.07 00E-01	
551 645.71	4173 029.79	4 816S.394 2	8265.74 633	2 280 09.57 79	3504 73.8562	3461 030 97	1 553S4 75 72	3 5710 7	3.43 857	3.07E-02	6.63E-03	1.83E-01	1.87E-02	1.27E-03	5.72E-02	1.90E-05	2.26E-05	2.97 36E-01	
551 665.71	4173 019.79	5016 59.1974	8644.19 937	2 205 29.1443	4054 5.2 0373	3679 147.24	1 4080 8.25 06	2 375 4 3	2.31 308	3.58E-02	6.94E-03	1.77E-01	2.16E-02	1.35E-03	5.18E-02	1.26E-05	1.52E-05	2.94 40E-01	
551 71 2.2	4172 894.49	1898 02.6382	504 37.1007 1	199 46.6357	1667 72.6655	178 78.57968	1 3349.597 94	1 2258 9	1.20 502	1.21E-01	4.05E-02	1.60E-02	8.88E-02	6.58E-03	4.91E-03	6.52E-06	7.92E-06	2.77 60E-01	
551 625.71	4173 039.79	4158 39.8104	7698.242 48	2 187 27.2964	3080 7.1974	32 13.9227	1 557 27.96 48	6 8982	6.48 975	2.65E-02	6.34E-03	1.75E-01	1.64E-02	1.18E-03	5.73E-02	3.67E-05	4.26E-05	2.83 09E-01	
551 655.71	4173 019.79	5808 55.1158	8823.097 55	2 010 83.7482	4101 05.6445	37 31.3795	131 467.003	2 7596	2.67 699	3.70E-02	7.08E-03	1.61E-01	2.18E-02	1.37E-03	4.84E-02	1.47E-05	1.76E-05	2.77 00E-01	
551 635.71	4173 029.79	4931 55.9318	8406.378 42	2 051 31.627 7	3522 73.6709	3474 886 35	1 396 26.26 28	4 5381 3	4.33 174	3.14E-02	6.74E-03	1.65E-01	1.88E-02	1.28E-03	5.14E-02	2.41E-05	2.85E-05	2.74 18E-01	
551 665.71	4172 979.79	5 709 66.4884	13052.4683 4	8 9075.141 88	1051.85 1518	5531 158 29	1 6039.821 61	2 037 85	1.99 128	3.49E-01	1.05E-02	7.15E-02	5.60E-02	2.04E-03	2.07E-02	1.08E-05	1.31E-05	2.69 62E-01	
551 61 8.5	4173 046.65	3716 15.6459	7532.807 78	206 23.96 54	281 18.776	3030 21.28	1 5783 8.02 87	1 0 07359	9.358	2.37E-02	6.04E-03	1.65E-01	1.50E-02	1.11E-03	5.81E-02	5.36E-05	6.15E-05	2.69 43E-01	
551 675.71	4172 979.79	1621 58.8003	12768.48 89	9 2013.409 91	1098 01.7517	5390 994 85	1 5738.823 72	1 8285 4	1.79 056	1.03E-01	1.02E-02	7.38E-02	5.84E-02	1.98E-03	2.05E-02	9.73E-06	1.18E-05	2.68 28E-01	
551 71 2.2	4172 884.49	1652 68.4298	680 04.3522 1	1 7602.873 93	1 497 40.32 2	233 12.7 3189	1 1349.211 14	1 237 15	1.21 536	1.21E-01	5.46E-02	1.41E-02	7.97E-02	8.58E-03	4.40E-03	6.58E-06	7.99E-06	2.66 61E-01	
551 685.71	4173 009.79	6421 83.8594	8944.405 88	197 455.358	4672 6.0468	3814 259 94	1 1007 9.06 69	1 8016 9	1.7664	4.09E-02	7.18E-03	1.58E-01	2.49E-02	1.40E-03	4.05E-02	9.58E-06	1.16E-05	2.73 28E-01	
551 675.71	4173 009.79	6862 59.9725	9264.132 72	1 9779.5 3104	4870 61.4869	3950 662 31	1 1159 3.45 25	2 0152 6	1.97 204	4.37E-02	7.43E-03	1.51E-01	2.59E-02	1.45E-03	4.10E-02	1.07E-05	1.30E-05	2.70 18E-01	
551 695.71	4173 009.79	5946 60.0999	8619.920 17	2 049 36.9623	4 4260.216 9	3667 980 07	1 062 48.93 77	1 627 5 8	1.5981	3.79E-02	6.92E-03	1.64E-01	2.36E-02	1.35E-03	3.91E-02	8.66E-06	1.05E-05	2.72 98E-01	
551 645.71	4173 019.79	6021 41.6702	9011.558 55	1 8326.89 21	4138 7.1 3131	3773 938 78	1 221 18 95 09	1 327 7 2	3.20 695	3.83E-02	7.23E-03	1.47E-01	2.20E-02	1.39E-03	4.49E-02	1.77E-05	2.11E-05	2.69 96E-01	
551 705.71	4173 009.79	5460 5.51834	8289.383 84	2 072 80.9853	4149 3.2125	3514 355 68	1 015 08.25 59	1 482 6 2	1.45 756	3.58E-02	6.94E-03	1.77E-01	2.16E-02	1.35E-03	5.18E-02	1.26E-05	1.52E-05	2.94 40E-01	
551 665.71	4173 009.79	7170 8.85483	9486.060 04	1 7307 8.66 49	4946 0.0 4291	4034 473 59	1 083 46.15 55	2 2723 2	2.21 834	4.57E-02	7.61E-03	1.39E-01	2.63E-02	1.48E-03	3.99E-02	1.21E-05	1.46E-05	2.59 83E-01	
551 625.71	4173 029.79	5 057S 769 4	8567.800 79	1 828S3 54 38	3 5497.443 5	3483 793 03	1 240 68.49 02	6 1357 5	5.78 809	3.22E-02	6.87E-03	1.47E-01	1.89E-02	1.28E-03	4.60E-02	3.26E-05	3.80E-05	2.52 01E-01	
551 615.71	4173 039.79	4208 71.4385	7982.667 38	1 875 67.14 25	3079 27.4309	3190 930 16	1 320 74.23 47	9 577 98	10.366 07	2.68E-02	6.40E-03	1.58E-01	1.74E-02	1.16E-03	4.86E-02	5.51E-05	6.29E-05	2.49 96E-01	
551 665.71	4172 989.79	1280 09.2193	116 75.7659 4	1 0527 2.41 01	8 0797.227 9	4947 849 08	6 8738.646 21	2 1082	2.05 931	8.15E-02	9.37E-03	8.77E-02	4.30E-02	1.82E-03	2.53E-02	1.12E-05	1.35E-05	2.48 69E-01	
551 655.71	4172 989.79	1344 70.2107	1189 4.25496	1 0332 8.77 89	7951 10.1244	5017 144 18	6 7681.173 18	2 386 91	2.32 351	8.56E-02	9.54E-03	8.29E-02	4.22E-02	1.85E-03	2.49E-02	1.27E-05	1.53E-05	2.47 16E-01	
551 675.71	4172 989.79	1204 64.8961	113 81.9757 4	1 1452 2.39 02	8123 0.4 1222	4826 676 91	6 8558.520 36	1 884 15	1.84 459	7.67E-02	9.13E-03	9.19E-02	4.32E-02	1.78E-03	2.52E-02	1.00E-05	1.21E-05	2.47 98E-01	
551 695.71	4172 989.79	1415 11.7891	1201 2.60644	9 7245.180 85	7809 3.9053	5053 573 53	6 5764.054 84	2 7756 3	2.68 422	9.01E-02	9.70E-03	7.80E-02	4.16E-02	1.86E-03	2.42E-02	1.48E-05	1.76E-05	2.45 48E-01	
551 655.71	4173 009.79	7459 12.6099	9667.381 09	1 5838 6.592	4964 5.7 9449	4087.261 34	1 0310 8.14 44	2 614 66	2.53 901	4.75E-02	7.76E-03	1.27E-01	2.64E-02	1.50E-03	3.79E-02	1.39E-05	1.67E-05	2.48 22E-01	
551 675.71	4172 999.79	9024 22.3625	102 38.6427 6	1 4558 2.00 82	6190 1.6 4228	4355 993 06	8 6314.348 82	1 9469 6	1.90 564	5.75E-02	8.21E-03	1.17E-01	3.29E-02	1.60E-03	3.18E-02	1.04E-05	1.25E-05	2.48 81E-01	
551 715.71	4173 009.79	4979 8.5 1824	7953.582 98	2 019 90.6482	3853 2.1 5788	3356.2149	1 9155.459 74	1 393 78	1.83 818	3.17E-02	6.38E-03	1.62E-01	2.05E-02	1.23E-03	3.54E-02	7.21E-06	8.79E-06	2.57 29E-01	
551 685.71	4172 999.79	8363 7.38129	9887.014 54	1 5239 0.21 36	5976 4.3 4997	4201.734 75	8 4727.085 89	1 7475 6	1.71 363	5.31E-02	7.93E-03	1.22E-01	3.18E-02	1.55E-03	3.12E-02	9.30E-06	1.13E-05	2.48 00E-01	
551 72 2.2	4172 894.49	1567 35.2789	470 01.8291 6	1 8975.568 86	1416 62.3947	105 77.6922 9	1 2688.308 47	1 1394 1	1.12 127	9.98E-02	3.77E-02	1.52E-02	7.54E-02	6.10E-03	4.67E-03	6.06E-06	7.37E-06	2.38 92E-01	
551 665.71	4172 999.79	9443 23.7624	1041 8.08124	1 3625 4.75 31	6216 3.0 4664	4451.313 01	8 5311.492 08	2 1853	2.13 403	6.01E-02	8.41E-03	1.09E-01	3.31E-02	1.64E-03	3.14E-02	1.16E-05	1.40E-05	2.49 96E-01	
551 635.71	4173 019.79	6181 3.09192	9152.437 69	1 6408 4.97 32	4129 4.4 0371	3782.411 34	1 1154 4.78 34	4 1611 4	3.9777	3.94E-02	7.34E-03	1.32E-01	2.20E-02	1.39E-03	4.10E-02	2.21E-05	2.61E-05	2.42 81E-01	
551 610.46	4 173O4.8	3868 9.61086	7712.481 07	1 8049.48 16	2881 6.7 0975	3054.742 92	1 3102.72 85	14.72421	13.456 34	2.46E-02	6.19E-03	1.45E-01	1.51E-02	1.12E-03	4.82E-02	7.81E-05	8.84E-05	2.40 48E-01	
551 685.71	4172 989.79	1099 05.0411	110 18.1512 5	1 1861 4.41 31	7 8495.103 4	4661.160 98	671 07.3165	1 699 16	1.66 634	7.00E-02	8.84E-03	9.52E-02	4.18E-02	1.76E-03	2.47E-02	9.04E-06	1.09E-05	2.42 19E-01	
551 695.71	4172 999.79	7709 5.75356	9531.519 98	1 5790 1.81 14	5687 2.4 6025	40 37.3854	8 1905.759 45	1 5841 8	1.55 572	4.91E-02	7.65E-03	1.27E-01	3.03E-02	1.49E-03	3.01E-02	8.43E-06	1.02E-05	2.45 40E-01	
551 645.71	4173 009.79	7821 2.2 9441	9886.364 57	1 4589 7.32 07	4994 8.3 3726	4139.370 04	9 7758.302 42	1 9 98 0	3.11 804	4.98E-02	7.91E-03	1.32E-01	3.08E-02	1.52E-03	3.63E-02	1.66E-05	1.98E-05	2.38 90E-01	
551 655.71	4172 999.79	9844 5.96215	106 66.47257	1 2652 2.29 17	6176 6.5 4252	4505.800 55	8 2660.418 39	2 4899 3	2.42 071	6.27E-02	8.56E-03	1.02E-01	3.29E-02	1.66E-03	3.04E-02	1.32E-05	1.59E-05	2.37 73E-01	
551 72 2.2	4172 884.49	1377 81.8707	651 50.21003	166 16.0102	1283 9.8104	21561.25 06	1 1355.574 49	1 1479 4	1.12 915	8.77E-02	5.23E-02	1.33E-02	6.83E-02	7.93E-03	4.18E-03	6.11E-06	7.42E-06	2.33 80E-01	
551 645.71	4172 999.79	1041 06.8181	108 77.69381	1 1779 0.86 09	6142 0.0 5456	4551.559 22	7 9418.300 07	2 9313 2	2.83 096	7.41E-02	8.63E-03	9.45E-02	3.72E-02	1.67E-03	3.27E-02	1.56E-05	1.89E-05	2.33 12E-01	
551 705.71	4172 999.79	7099 5.2 6045	9159.603 61	1 6086 3.05 84	5337 7.2 8909	3861.584 44	7 8394.846 76	1 4469 1	1.42 264	6.49E-02	7.95E-03	1.29E-01	2.84E-02	1.42E-03	2.88E-02	7.70E-06	9.15E-06	2.39 99E-01	
551 695.71	4172 989.79	9983 6.2 3491	106 21.55408	1 2131 3.42 71	7495 5.2 6308	44 73.0236	648 04.3384	1 5449 6	1.51 739	6.36E-02	8.52E-03	9.73E-02	3.99E-02	1.65E-03	2.38E-02	8.22E-06	9.97E-06	2.34 83E-01	
551 635.71	4172 999.79	1102 30.1842	102 77.72551	1 0999 9.5 0	6073 1.3 7874	4569 8221	7 5358.713 99	3 5776 2	3.42 777	7.02E-02	8.89E-03	8.74E-02	3.23E-02	1.68E-03	2.77E-02	1.90E-05	2.29E-05	2.28 30E-01	
551 725.71	4173 009.79	4542 8.79407	7615.57704	1 8076 6.26 09	3589 1.6 6 421	3196 817 52	8 9570.221 59	1 2541 9	1.23 537	2.89E-02	6.11E-03	1.50E-01	1.91E-02	1.18E-03	3.30E-02	6.67E-06	8.12E-06	2.38 08E-01	
551 635.71	4173 009.79	8 0808.271	1003 4.60795	1 5247 1.83 29	4946 2.47 796	41 44.2356	9 0961.593 13	1 8401 7	1.68 046	5.15E-02	8.05E-03	1.16E-01	2.60E-02	1.52E-03	3.35E-02	2.02E-05	2.42E-05	2.27 17E-01	
551 625.71	4173 019.79	6373 0.27612	9322.932 34	1 4681 0.26 96	4 1389.482 8	3787.066 42	101 493.883	5 5051 4	5.20 192	4.06E-02	7.48E-03	1.18E-01	2.20E-02	1.39E-03	3.73E-02	2.93E-05	3.42E-05	2.26 67E-01	
551 665.71	4173 029.79	5 125S.116 3	8671.695 87	1 5702 2.55 59	3542 6.46 102	3458.849 66	1 0881 4.42 41	8 9642 1	8.29 976	3.26E-02	6.96E-03	1.26E-01	1.89E-02	1.27E-03	4.00E-02	4.77E-05	5.45E-05	2.25 84E-01	
551 705.71	4172 989.79	9 361.E 188 2	102 02.10166	121 883.101	7238 2.25 206	4271.664 11	6 2075.361 83	1 414 76	1.39 118	5.96E-02	8.19E-03	9.78E-02	3.85E-02	1.72E-03	2.28E-02	7.53E-06	9.14E-06	2.28 53E-01	
551 625.71	4172 999.79	1152 21.7323	112 49.00376	9 9955.229 43	5979 1.3 0306	4552.291 13	7 0492.888 15	4 5545 7	4.31 878	7.34E-02	9.02E-03	8.02E-02	3.18E-02	1.67E-03	2.59E-02	2.42E-05	2.84E-05	2.22 08E-01	
551 715.71	4172 999.79	6421 3.81859	8778.223 31	1 5885 1.15 21	4905 6.73 246	3680 574 28	7 4476.555 16	1 3299 4	1.30 898	4.09E-02	7.04E-03	1.27E-01	2.64E-02	1.35E-03	2.74E-02	7.07E-06	8.69E-06	2.30 58E-01	
551 668.32	4173 037.65	4414 5.6 2875	8197.054 85	1 5794 2.36 87	3 1729.1 204	3225.123 08	1 1106 6.84 74	1 4 828 75	13.442 81	2.81E-02	6.58E-03	1.27E-01	1.69E-02	1.19E-03	4.09E-02	7.89E-05	8.83E-05	2.20 51E-01	
551 625.71	4173 009.79	8383 9.72653	1020 5.16306	1 1992 4.49 21	4916 1.59 552	4139.027 05	8 3976.012 56	4 9861 5	4.71 941	5.34E-02	8.19E-03	9.62E-02	2.62E-02	1.52E-03	3.09E-02	2.65E-05	3.13E-05	2.16 43E-01	
551 716 52	4172 982.41	1048 38.9173	105 63.93099	9 6661.750 02	8179 8.3 9306	4364 824 72	9 0181.230 63	1 2763 2	1.25 649	6.68E-02	8.48E-03	7.76E-02	4.46E-02	1.61E-03	1.85E-02	6.79E-06	8.24E-06	2.17 47E-01	
551 615.71	4172 999.79	1 185Q2.25 8	114 30.35248	9 0444.345 38	5917 0.4 2038	4513.842 44	6 5028.875 19	6 1586 1	5.75 187	7.55E-02	9.17E-03	7.26E-02	3.15E-02	1.66E-03	2.39E-02	3.28E-05	3.78E-05	2.14 34E-01	
551 729 68	4172 892.53	1327 87.3141	467 19.68208	1 7824 3.28 27	1225 99.3 444	164 13.8134	1 1963.824 11	1 0817 2	1.00 525	8.46E-02	3.75E-02	1.43E-02	6.53E-02	6.04E-03	4.40E-03	5.75E-06	7.03E-06	2.12 05E-01	
551 715.71	4172 989.79	8598 59.8416	9765.703 64	1 1530 6.31 37	6720 8.35 237	4063.412 33	5 9052.089 59	1 3031 6	1.28 275	5.48E-02	7.83E-03	9.56E-02	3.58E-02	1.51E-03	2.17E-02	6.93E-06	8.43E-06	2.17 25E-01	
551 730 52	4 172878 4	1117 92.0564	737 50.41794	1 4501.138 37	10 8531.262	240 38.83362	1 0014.125 22	1 0877 8	1.07 073	7.12E-02	5.92E-02	1.16E-02	5.78E-02	8.84E-03	3.68E-03	5.79E-06	7.03E-06	2.12 30E-01	
551 615.71	4173 019.79	6 4404.315 2	9445.862 88	1 2863 0.20 81	4119 7.84 301	3758.294 03	9 0489.083 23	7 8113 8	7.25 333	4.11E-02	7.58E-03	1.03E-01	2.19E-02	1.19E-03	3.33E-02	4.16E-05	4.77E-05	2.08 61E-01	
551 615.71	4173 009.79	8 6014.533 9	1031 6.68966	1 0706 6.04 35	4888 7.18 854	4110.708 41	7 6354.167 04	6 9103 8	6.43 366	5.48E-02	8.32E-03	8.59E-02	2.60E-02	1.51E-03	2.81E-02	4.23E-05	4.70E-05	2.04 69E-01	
551 725.71	4 172997 1	6 2500.308 4	8635.093 24	1 3897 6.61 64	4933 5.07 612	3592.253 87	6 5803.895 8	1 2231 2	1.20 495	3.98E-02	6.93E-03	1.11E-01	2.63E-02	1.32E-03	2.42E-02	6.51E-06	7.92E-06	2.10 03E-01	
551 723 2	4172 987.32	8517 8.78 781	96 93.0135	1 0673 3.88 72	6746 7.88 261	4005.818 12	53 725.811 45	1 2239 5	1.20 561	5.42E-02	7.73E-03	8.56E-02	3.59E-02	1.47E-03	1.98E-02	6.51E-06	7.91E-06	2.04 80E-01	
551 733 88	4172 886 73	1159 48.4827	538 62.07084	1 6061.073 17	10963 8.2 208	184 15.1705 6	109 96.2038	1 0541 6	1.03 832	7.38E-02	4.32E-02	1.29E-02	5.84E-02	6.78E-03	4.05E-03	5.61E-06	6.82E-06	1.99 12E-01	
551 665.71	4173 029.79	5 164S.897 4	8701.580 52	1 3056 1.98 82	3535 5.94 058	3417.799 65	9 2720.948 9	1 493 1179	13.428 29	3.29E-02	7.03E-03	1.05E-01	1.88E-02	1.24E-03	3.41E-02	7.91E-05	8.81E-05	1.98 99E-01	
551 605.71	4173 009.79	8468 5.59236	104 39.00952	9 3008.729 07	4814 5.88 018	40 33.7771	6 8061.288 04	1 0 47246	9.5061	5.39E-02	8.38E-03	7.53E-02	2.56E-02	1.49E-03	2.50E-02	5.57E-05	6.25E-05	1.89 91E-01	
551 605.71	4173 019.79	6452 2.09522	95 19.8121	1 1015 6.88 08	40789.37 285	3698.804 57	7 9042.257 44	1 2 3 1389	11.1331 1	4.11E-02	7.64E-03	8.84E-02	2.17E-02	1.36E-03	2.91E-02	6.55E-05	7.31E-05	1.89 39E-01	

CONCUNIT ug/m^3
DEPUNIT g/m^2

Unmitigated DPM Concentrations

Maximum DPM		Min UTM	

Midway Village Project—New Phase 2 Receptors

New Phase 2 Receptors: Exposed to Phases 3+4 Demolition and Phases 3+4 Construction
Construction Annual Total PM2.5 Emissions (PM2.5 Total)

Unmitigated Concentrations

Annual Average Onsite Total PM2.5 Emission Rate—Demolition Area 3A (Phase 3) (grams/m2/sec):	8.62E-07
Annual Average Onsite Total PM2.5 Emission Rate—Demolition Area 4A (Part 1 of 2 Phase 4) (grams/m2/sec):	8.68E-07
Annual Average Onsite Total PM2.5 Emission Rate—Demolition Area 4A (Part 2 of 2 Phase 4 – Phase 4/5) (grams/m2/sec):	8.68E-07
Annual Average Onsite Total PM2.5 Emission Rate—Construction Area 3B (Phase 3) (grams/m2/sec):	1.21E-06
Annual Average Onsite Total PM2.5 Emission Rate—Construction Area 4B and Area 2B/4B (Phase 4) (grams/m2/sec):	8.14E-07
Annual Average Onsite Total PM2.5 Emission Rate—Construction Area 4B (Phase 4/5) (grams/m2/sec):	8.14E-07
Annual Average Offsite Total PM2.5 Emission Rate - Road Segment 1 (grams/sec):	2.15E-04
Annual Average Offsite Total PM2.5 Emission Rate - Road Segment 2 (grams/sec):	2.17E-04

		Unit Emissions Construction Area 3B (Phase 3)	Unit Emissions Construction Area 4B and Area 2B/4B (Phase 4)	Unit Emissions Construction Area 4B (Phase 4/5)	Unit Emissions Demolition Area 3A (Phase 3)	Unit Emissions Demolition Area 4A (Part 1 of 2 Phase 4)	Unit Emissions Demolition Area 4A (Part 2 of 2 Phase 4 – Phase 4/5)	Unit Emissions Route 1 - From the project site towards US-101	Unit Emissions Route 2 - From US-101 towards the project site
X	Y	AREA5	AREA6	AREA7	AREA11	AREA12	AREA13	LINE1	LINE2
551674.71	4173865.89	253657.362	125772.2885	16192.33273	266490.3884	582816.6909	11223.51053	1.83315	1.78152
551684.15	4173895.89	322054.3417	54273.53829	22752.41204	281345.6369	209844.5491	15295.54241	1.52951	1.49839
551677.73	4173875.61	276089.9934	93854.60735	18232.97642	270818.9251	388458.4959	12484.60218	1.69067	1.64923
551689.28	4173903.18	325769.2509	45104.71505	24432.0162	273928.284	172846.6666	16260.85001	1.49965	1.43201
551682.2	4173884.49	294782.9474	72988.34169	20043.5664	259819.4043	28428.81458	13626.15734	1.583	1.5484
551684.71	4173865.89	205437.0862	128406.7844	15539.46555	226352.8492	579111.2174	10715.65315	1.69626	1.61331
551693.32	4173895.33	287789.6418	53971.98057	21964.43078	233414.7141	199917.9458	14766.93075	1.43911	1.39191
551687.73	4173875.61	233115.2903	93979.77327	17358.25367	229912.9975	382995.0109	11816.57135	1.5454	1.51025
551692.2	4173884.49	252962.7928	71446.81269	19248.12859	215089.8241	269967.4508	13049.32259	1.45465	1.42501
551699.28	4173903.18	272950.0181	43242.10254	23627.41546	223468.7266	160916.6634	15744.88395	1.34718	1.32292
551645.71	4173839.79	89618.76117	76319.26881	2655409303	30177.40944	3188.85573	1998514.035	3.85399	3.70803
551665.71	4173029.79	45210.50729	79273.32978	2663537752	34014.02698	3374.53656	184754.8445	2.48616	2.42247
551702.2	4173894.49	233143.8369	53299.58789	20956.75943	195597.7525	191973534	14050.36743	1.3229	1.29885
551655.71	4173029.79	46768.04052	8103.4047	2479771317	34643.07473	3426.32599	170606.5076	2.92804	2.83762
551702.2	4173884.49	202904.4076	68451.25648	18478.87693	177550.6285	251551.8116	12557.94096	1.33893	1.31354
551635.71	4173039.79	40664.45819	7764.68352	2431986891	30547.65371	3209.01046	177074.7824	4.99028	4.76055
551685.71	4173019.79	50606.30017	81454.42035	2451133364	37834.40424	3482.20383	146528.2845	1.86123	1.8244
551675.71	4173019.79	53876.14132	84353.84433	2380423409	39662.95397	3602.71653	147644.0821	2.0905	2.04538
551695.71	4173019.79	47024.69081	78443.42258	2477902063	35706.88737	3349.2656	140520.513	1.67468	1.64406
551645.71	4173029.79	48161.3942	82657.74633	2280095779	35047.88562	3461.08097	153354.7572	3.57107	3.43857
551665.71	4173019.79	56165.91374	86641.99937	2205291463	40945.20173	3679.34724	148006.2106	2.37143	2.31308
551712.2	4173894.49	189802.6382	50437.10071	19946.6357	166772.6655	178785.7968	13349.59794	1.22589	1.20502
551625.71	4173039.79	41583.98104	78982.24248	2185272964	30807.11974	32133.9227	155727.9646	6.8902	6.48975
551655.71	4173019.79	58089.33158	88210.00755	2010817482	43100.56445	3731.3755	131467.003	2.7596	2.67699
551635.71	4173029.79	49315.59118	84063.37842	2053116277	35227.56709	3474.88635	139626.2628	4.53813	4.33374
551665.71	4173979.79	170966.6884	13092.46834	89075.34188	105189.1518	5531.35829	56359.82161	2.03785	1.99128
551618.5	4173846.65	37161.56459	75323.60778	2062219654	28118.776	3030.21228	153838.0287	10.07359	9.358
551675.71	4173979.79	162159.8003	12768.4889	92013.40991	109801.7517	5390.99485	55738.82372	1.82854	1.79056
551712.2	4173884.49	165268.4298	68006.35221	17602.87393	149740.922	233122.73189	11949.21134	1.23715	1.21536
551685.71	4173009.79	64218.38594	89444.40588	197455.1918	46726.00408	3814.25994	110079.0689	1.80169	1.7664
551675.71	4173009.79	68625.90725	92641.13272	187745.3104	48700.64869	3950.60231	111503.4525	2.05126	1.97704
551695.71	4173009.79	59466.00999	86192.92017	204636.9623	44260.2169	3667.98007	106248.9377	1.62758	1.5981
551645.71	4173019.79	60214.16702	90115.55855	183226.8921	41387.13131	3773.93878	122118.9509	3.32772	3.20695
551705.71	4173009.79	54605.56184	88283.38384	207206.9853	41490.32125	3514.35568	101508.2539	1.48262	1.45736
551665.71	4173009.79	71708.85483	94836.06004	173078.6649	49460.04291	4034.47359	108346.1555	2.27232	2.21834
551625.71	4173029.79	90578.7694	85678.80079	182853.5438	35497.44435	3483.79303	124968.4902	6.13575	5.78809
551615.71	4173039.79	42087.14885	79826.66738	187567.1425	30792.74309	3190.90016	132074.2347	10.36607	9.57798
551665.71	4172989.79	128009.2193	11675.76594	109272.4101	80797.2279	4947.84908	68738.64621	2.3082	2.05931
551655.71	4172989.79	134470.2107	11894.25496	103328.7789	79513.01244	5017.34418	67681.17318	2.38695	2.32351
551675.71	4172989.79	120464.8661	11381.97574	114522.3902	81280.41222	4826.67691	68958.52036	1.88415	1.84439
551645.71	4172989.79	141511.7891	12092.60644	97245.18085	78093.39653	5053.57353	65764.05484	2.77563	2.68422
551655.71	4173009.79	74593.26599	96673.83109	158386.5582	49645.79449	4087.26134	103108.1444	2.63466	2.53901
551675.71	4172999.79	90242.23625	10238.64276	145582.0682	61901.64228	4355.99306	86314.34882	1.94696	1.90564
551715.71	4173009.79	49798.51824	7953.58298	2019906482	38532.15788	3356.2149	96155.65974	1.39978	1.33818
551685.71	4172999.79	83637.38129	9887.01454	152390.2136	59764.34997	4201.71475	84727.08589	1.74756	1.71363
551722.2	4172894.49	156735.2789	47008.82916	18975.56886	143662.3947	165777.69229	12688.90847	1.13841	1.12127
551665.71	4172999.79	94432.97624	10481.08124	136214.7331	62363.04664	4451.31301	85311.49208	2.3853	2.13403
551635.71	4173019.79	61813.09192	9152.43769	1640849732	41294.40371	3782.41134	115544.7834	4.16114	3.9777
551610.46	4173044.8	38689.60186	77124.48107	1804594816	28836.70975	3054.74192	133102.7285	14.72421	13.45634
551685.71	4172989.79	109905.0611	11038.15125	118614.4131	78495.1034	4661.36098	67077.3185	1.69806	1.66634
551695.71	4172999.79	77095.75356	9531.51998	1579908114	56872.46025	4037.3854	81905.75945	1.58418	1.55572
551645.71	4173009.79	78212.29441	9886.36457	1458975007	49948.33726	4139.37004	97758.90242	3.11904	3.00886
551655.71	4172999.79	98445.96215	10666.47257	1265223917	61766.54252	4505.80055	82660.41839	2.42071	2.42071
551722.2	4172884.49	137783.8707	65150.21003	16616.0102	128391.8104	215612.5206	11355.57449	1.14794	1.12915
551645.71	4172999.79	104106.8183	10877.69381	1177608669	61420.05456	4551.35922	79418.30007	2.93132	2.83096
551705.71	4172999.79	70495.26045	9159.60361	1608610584	53377.28909	3861.58444	78394.84676	1.44691	1.42264
551695.71	4172989.79	99836.23491	10621.55408	1213134271	74955.26008	4473.0236	64804.3384	1.54496	1.51739
551635.71	4172999.79	110230.8342	11077.72551	1089995566	60731.37874	45692311	75358.71399	3.57762	3.42777
551725.71	4173009.79	46428.79407	7615.57704	1867062609	35891.66421	3196.81752	89570.22139	1.25419	1.23537
551635.71	4173009.79	80838.3711	10034.60745	1324718329	49462.47796	41442356	90961.59313	3.84617	3.68046
551625.71	4173019.79	63730.27612	9322.93234	1468102696	41389.4828	3787.06642	101493.881	5.50514	5.20192
551615.71	4173029.79	51255.1163	8671.69587	1570222559	35426.46102	3458.86966	108814.4241	8.29976	7.86421
551705.71	4172989.79	98612.1882	10202.10166	121883.331	72382.25206	4271.66411	62075.86383	1.44376	1.39118
551625.71	4172999.79	115221.7323	11249.00376	99959.22943	59791.13006	4552.29113	70492.88835	4.55457	4.31878
551715.71	4172999.79	64213.86559	8778.22331	1588511521	49656.73246	3680.57428	74476.55536	1.32894	1.30898
551608.32	4173037.65	44145.62875	8197.05485	1577423687	31729.1204	3225.32308	113066.8474	14.82875	13.44281
551625.71	4173009.79	88839.73653	10205.16306	119924.4921	49361.59552	4139.02705	83976.01256	4.19815	4.71941
551716.52	4172982.41	104838.9173	10563.93099	96661.75002	83798.53906	4364.82472	50383.23063	1.27632	1.25649
551615.71	4172999.79	118502.258	11430.35248	90444.34538	59170.42038	4513.86244	65028.87539	6.15861	5.75187
551729.68	4172892.53	132787.3141	46719.68208	17824.32827	122599.3444	1641381134	11963.82411	1.08172	1.06525
551715.71	4172989.79	85989.98416	9765.70364	119206.3137	67208.35237	4063.41233	59092.08959	1.30816	1.28275
551730.52	4172878.4	131792.0564	73730.41794	34501.18837	108531.262	240388.83362	10004.12522	1.08778	1.07073
551615.71	4173019.79	64604.3152	9445.86288	128630.2081	41397.84301	3758.29403	90489.08323	7.81138	7.25333
551615.71	4173009.79	86014.5339	10166.68966	107066.0435	48887.18854	4110.70841	76354.16704	6.93008	6.43166
551725.71	4172997.1	92500.3084	8635.09324	138976.6164	49335.07616	3592.25387	68803.8538	1.22312	1.20495
551723.2	4172987.32	85178.78781	9698.0135	1067138872	67467.98261	4005.81812	53725.81145	1.22395	1.20561
551733.88	4172886.73	115948.4827	53862.07084	16061.07317	109638.2208	184151.7056	10996.2038	1.05416	1.03832
551605.71	4173029.79	51643.8974	8761.58052	1805619882	35305.54058	3417.79965	92720.94869	14.91173	13.42829
551605.71	4173009.79	84685.59236	10439.06952	93908.72907	48345.88018	4033.7771	68061.28804	10.47246	9.5061
551605.71	4173019.79	64522.09522	9539.8121	1101568808	40789.37285	3698.80457	79042.25744	12.31389	11.13311
CONCUNIT ug/m³	m^3								
DEPUNIT g/m²	2								

		Construction Area 2B (Part 1 of 2 Phase 2)	Construction Area 2B and 2B/3B (Part 2 of Phase 2)	Construction Area 3B (Phase 3)	Construction Area 4B and Area 2B/4B (Phase 4)	Construction Area 4B (Phase 4/5)	Demolition Area 3A (Part 1 of 2 Phase 2)	Demolition Area 2A (Part 2 of 2 Phase 2)	Demolition Area 3A (Phase 3)	Total
		Annual PM2.5	Annual PM2.5	Annual PM2.5	Annual PM2.5	Annual PM2.5	Annual PM2.5	Annual PM2.5	Annual PM2.5	PM2.5
X	Y	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	(ug/m3)
551674.71	4173865.89	2.19E-01	1.09E-01	1.41E-02	3.24E-01	4.74E-02	9.13E-03	3.94E-04	3.87E-04	7.2280E-01
551684.15	4173895.89	2.78E-01	4.71E-02	1.98E-02	3.42E-01	1.73E-02	1.24E-02	3.29E-04	3.23E-04	7.1687E-01
551677.73	4173875.61	2.38E-01	8.15E-02	1.58E-02	3.29E-01	3.16E-02	1.02E-02	3.63E-04	3.58E-04	7.0671E-01
551689.28	4173903.18	2.81E-01	3.92E-02	2.12E-02	3.30E-01	1.41E-02	1.32E-02	3.14E-04	3.11E-04	6.9988E-01
551682.2	4173884.49	2.54E-01	6.34E-02	1.74E-02	3.15E-01	2.31E-02	1.11E-02	3.40E-04	3.36E-04	6.8472E-01
551684.71	4173865.89	1.77E-01	1.11E-01	1.35E-02	2.75E-01	4.71E-02	8.72E-03	3.56E-04	3.50E-04	6.3352E-01
551693.32	4173895.33	2.48E-01	4.69E-02	1.91E-02	2.83E-01	1.63E-02	1.20E-02	3.05E-04	3.02E-04	6.2640E-01
551687.73	4173875.61	2.01E-01	8.36E-02	1.51E-02	2.74E-01	3.12E-02	9.62E-03	3.32E-04	3.28E-04	6.1343E-01
551692.2	4173884.49	2.18E-01	6.20E-02	1.67E-02	2.61E-01	2.20E-02	1.06E-02	3.12E-04	3.09E-04	5.9125E-01
551699.28	4173903.18	2.35E-01	3.75E-02	2.05E-02	2.71E-01	1.33E-02	1.28E-02	2.89E-04	2.87E-04	5.9124E-01
551645.71	4173839.79	3.42E-02	6.62E-03	2.31E-01	3.66E-02	2.60E-03	1.60E-01	8.28E-04	8.09E-04	4.7243E-01
551665.71	4173029.79	3.90E-02	6.88E-03	2.31E-01	4.13E-02	2.75E-03	1.50E-01	5.34E-04	5.26E-04	4.7361E-01
551702.2	4173894.49	2.01E-01	4.61E-02	1.82E-02	2.37E-01	1.56E-02	1.14E-02	2.84E-04	2.82E-04	5.3063E-01
551655.71	4173029.79	4.03E-02	7.04E-03	2.15E-01	4.21E-02	2.79E-03	1.39E-01	6.29E-04	6.16E-04	4.4763E-01
551702.2	4173884.49	1.75E-01	5.94E-02	1.60E-02	2.16E-01	2.05E-02	1.02E-02	2.88E-04	2.85E-04	4.9729E-01
551635.71	4173039.79	3.51E-02	6.74E-03	2.11E-01	3.71E-02	2.61E-03	1.44E-01	1.07E-03	1.03E-03	4.3890E-01
551685.71	4173019.79	4.36E-02	7.07E-03	2.13E-01	4.59E-02	2.83E-03	1.19E-01	4.00E-04	3.96E-04	4.3244E-01
551675.71	4173019.79	4.65E-02	7.32E-03	2.07E-01	4.81E-02	2.93E-03	1.20E-01	4.49E-04	4.44E-04	4.3259E-01
551695.71	4173019.79	4.06E-02	6.81E-03	2.15E-01	4.33E-02	2.73E-03	1.14E-01	3.60E-04	3.57E-04	4.2368E-01
551645.71	4173029.79	4.15E-02	7.38E-03	1.98E-01	4.25E-02	2.82E-03	1.26E-01	7.67E-04	7.47E-04	4.2001E-01
551665.71	4173019.79	4.84E-02	7.51E-03	1.91E-01	4.92E-02	2.99E-03	1.15E-01	5.09E-04	5.02E-04	4.1525E-01
551712.2	4173894.49	1.64E-01	4.38E-02	1.73E-02	2.02E-01	1.46E-02	1.09E-02	2.63E-04	2.62E-04	4.5321E-01
551625.71	4173039.79	3.59E-02	6.86E-03	1.90E-01	3.74E-02	2.62E-03	1.27E-01	1.48E-03	1.41E-03	4.0211E-01
551655.71	4173019.79	5.01E-02	7.66E-03	1.75E-01	4.98E-02	3.04E-03	1.07E-01	5.93E-04	5.83E-04	3.9335E-01
551635.71	4173029.79	4.25E-02	7.30E-03	1.78E-01	4.28E-02	2.83E-03	1.14E-01	9.75E-04	9.41E-04	3.8909E-01
551665.71	4173979.79	1.47E-01	1.34E-02	7.73E-02	1.28E-01	4.50E-03	4.59E-02	4.38E-04	4.32E-04	4.1510E-01
551618.5	4173846.65	3.20E-02	6.56E-03	1.79E-01	3.41E-02	2.47E-03	1.28E-01	2.16E-03	2.03E-03	3.8691E-01
551675.71	4173979.79	1.40E-01	1.11E-02	7.99E-02	1.33E-01	4.39E-03	4.54E-02	3.93E-04	3.89E-04	4.1467E-01
551712.2	4173884.49	1.43E-01	5.90E-02	1.53E-02	1.82E-01	1.90E-02	9.72E-03	2.66E-04	2.64E-04	4.2788E-01
551685.71	4173009.79	5.54E-02	7.77E-03	1.71E-01	5.67E-02	3.10E-03	8.96E-02	3.87E-04	3.84E-04	3.8479E-01
551675.71	4173009.79	5.92E-02	8.04E-03	1.63E-01	5.91E-02	3.22E-03	9.07E-02	4.33E-04	4.28E-04	3.8401E-01
551695.71	4173009.79	5.13E-02	7.48E-03	1.78E-01	5.37E-02	2.99E-03	8.65E-02	3.50E-04	3.47E-04	3.8034E-01
551645.71	4173019.79	5.19E-02	7.82E-03	1.59E-01	5.02E-02	3.07E-03	9.94E-02	7.15E-04	6.96E-04	3.7296E-01
551705.71	4173009.79	4.71E-02	7.20E-03	1.80E-01	5.04E-02	2.88E-03	8.26E-02	3.18E-04	3.17E-04	3.7068E-01
551665.71	4173009.79	6.18E-02	8.24E-03	1.50E-01	6.00E-02	3.28E-03	8.82E-02	4.88E-04	4.82E-04	3.7284E-01
551625.71	4173029.79	4.36E-02	7.44E-03	1.59E-01	4.31E-02	2.84E-03	1.02E-01	1.32E-03	1.26E-03	3.6004E-01
551615.71	4173039.79	3.63E-02	6.98E-03	1.63E-01	3.74E-02	2.60E-03	1.07E-01	2.23E-03	2.08E-03	3.5787E-01
551665.71	4172989.79	1.10E-01	1.01E-02	9.49E-02	9.81E-02	4.03E-03	5.59E-02	4.53E-04	4.47E-04	3.7488E-01
551655.71	4172989.79	1.16E-01	1.08E-02	8.97E-02	9.65E-02	4.08E-03	5.51E-02	5.13E-04	5.09E-04	3.7273E-01
551675.71	4172989.79	1.04E-01	9.88E-03	9.94E-02	9.86E-02	3.93E-03	5.58E-02	4.05E-04	4.03E-04	3.7266E-01
551645.71	4172989.79	1.22E-01	1.05E-02	8.44E-02	9.48E-02	4.11E-03	5.35E-02	5.96E-04	5.83E-04	3.7060E-01
551655.71	4173009.79	6.43E-02	8.39E-03	1.38E-01	6.03E-02	3.33E-03	8.39E-02	5.62E-04	5.51E-04	3.5888E-01
551675.71	4172999.79	7.78E-02	8.89E-03	1.26E-01	7.51E-02	3.55E-03	7.02E-02	4.18E-04	4.14E-04	3.6290E-01
551715.71	4173009.79	4.29E-02	6.91E-03	1.75E-01	4.68E-02	2.73E-03	7.83E-02	2.92E-04	2.91E-04	3.5359E-01
551685.71	4172999.79	7.21E-02	8.58E-03	1.32E-01	7.26E-02	3.42E-03	6.90E-02	3.75E-04	3.72E-04	3.5871E-01
551722.2	4172894.49	1.35E-01	4.08E-02	1.65E-02	1.71E-01	1.39E-02	1.03E-02	2.45E-04	2.44E-04	3.8875E-01
551665.71	4172999.79	8.14E-02	9.30E-03	1.18E-01	7.55E-02	3.62E-03	6.94E-02	4.69E-04	4.63E-04	3.5827E-01
551635.71	4173019.79	5.33E-02	7.95E-03	1.42E-01	5.01E-02	3.08E-03	9.08E-02	8.64E-04	8.44E-04	3.4948E-01
551610.46	4173044.8	3.34E-02	6.70E-03	1.57E-01	3.50E-02	2.49E-03	1.07E-01	3.16E-03	2.92E-03	3.4703E-01
551685.71	4172989.79	9.48E-02	9.57E-03	1.03E-01	9.53E-02	3.78E-03	5.46E-02	3.65E-04	3.62E-04	3.6177E-01
551695.71	4172999.79	6.65E-02	8.28E-03	1.37E-01	6.90E-02	3.29E-03	6.67E-02	3.40E-04	3.38E-04	3.5362E-01
551645.71	4173009.79	6.75E-02	8.58E-03	1.27E-01	6.06E-02	3.37E-03	7.96E-02	6.70E-04	6.53E-04	3.4761E-01
551655.71	4172999.79	8.49E-02	9.26E-03	1.10E-01	7.50E-02	3.67E-03	6.73E-02	5.35E-04	5.28E-04	3.5301E-01
551722.2	4172884.49	1.19E-01	5.66E-02	1.44E-02	1.56E-01	1.75E-02	9.24E-03	2.47E-04	2.45E-04	3.7288E-01
551645.71	4172999.79	8.98E-02	9.45E-03	1.02E-01	7.46E-02	3.70E-03	6.46E-02	6.30E-04	6.15E-04	3.4963E-01
551705.71	4172999.79	6.08E-02	7.85E-03	1.40E-01	6.48E-02	3.14E-03	6.38E-02	3.11E-04	3.09E-04	3.4079E-01
551695.71	4172989.79	8.61E-02	9.22E-03	1.05E-01	9.10E-02	3.64E-03	5.27E-02	3.32E-04	3.30E-04	3.4870E-01
551635.71	4172999.79	9.51E-02	9.62E-03	9.46E-02	7.37E-02	3.72E-03	6.13E-02	7.68E-04	7.44E-04	3.3962E-01
551725.71	4173009.79	4.92E-02	6.61E-03	1.62E-01	4.36E-02	2.60E-03	7.29E-02	2.69E-04	2.68E-04	3.2752E-01
551635.71	4173009.79	6.97E-02	8.71E-03	1.15E-01	6.00E-02	3.37E-03	7.40E-02	8.26E-04	7.99E-04	3.3253E-01
551625.71	4173019.79	5.50E-02	8.30E-03	1.27E-01	5.02E-02	3.08E-03	8.26E-02	1.18E-03	1.13E-03	3.2878E-01
551615.71	4173029.79	4.42E-02	7.59E-03	1.36E-01	4.30E-02	2.83E-03	8.86E-02	1.93E-03	1.83E-03	3.2609E-01
551705.71	4172989.79	8.07E-02	8.86E-03	1.06E-01	8.79E-02	3.48E-03	5.05E-02	3.04E-04	3.02E-04	3.3790E-01
551625.71	4172999.79	9.94E-02	9.77E-03	8.68E-02	7.26E-02	3.70E-03	5.74E-02	9.78E-04	9.38E-04	3.3351E-01
551715.71	4172999.79	5.54E-02	7.62E-03	1.38E-01	6.03E-02	3.00E-03	6.06E-02	2.86E-04	2.84E-04	3.2539E-01
551608.32	4173037.65	1.81E-02	7.12E-03	1.37E-01	3.85E-02	2.62E-03	9.04E-02	1.38E-03	1.32E-03	3.1397E-01
551625.71	4173009.79	7.23E-02	8.86E-03	1.04E-01	5.97E-02	3.37E-03	6.83E-02	1.07E-03	1.02E-03	3.1879E-01
551716.52	4172982.41	9.04E-02	9.17E-03	8.39E-02	1.02E-01	3.55E-03	4.08E-02	2.74E-04	2.73E-04	3.3019E-01
551615.71	4172999.79	1.02E-01	9.98E-03	7.85E-02	7.18E-02	3.67E-03	5.29E-02	1.32E-03	1.25E-03	3.2366E-01
551729.68	4172892.53	1.15E-01	4.06E-02	1.55E-02	1.49E-01	1.34E-02	9.74E-03	2.32E-04	2.31E-04	3.4296E-01
551715.71	4172989.79	7.42E-02	8.48E-03	1.04E-01	8.16E-02	3.31E-03	4.81E-02	2.80E-04	2.79E-04	3.1970E-01
551730.52	4172878.4	9.64E-02	6.40E-02	1.32E-01	1.32E-01	1.96E-02	8.15E-03	2.34E-04	2.33E-04	3.3288E-01
551615.71	4173019.79	5.57E-02	8.20E-03	1.12E-01	5.00E-02	3.06E-03	7.36E-02	1.68E-03	1.58E-03	3.0558E-01
551615.71	4173009.79	7.42E-02	9.00E-03	9.30E-02	5.93E-02	3.35E-03	6.21E-02	1.48E-03	1.40E-03	3.0387E-01
551725.71	4172997.1	5.39E-02	7.50E-03	1.21E-01	5.99E-02	2.92E-03	5.36E-02	2.63E-04	2.62E-04	2.9897E-01
551723.2	4172987.32	7.35E-02	8.42E-03	9.27E-02	8.19E-02	3.26E-03	4.37E-02	2.63E-04	2.62E-04	3.0395E-01
551733.88	4172886.73	1.00E-01	4.68E-02	1.39E-02	1.33E-01	1.50E-02	8.95E-03	2.26E-04	2.26E-04	3.1820E-01
551605.71	4173029.79	4.45E-02	7.61E-03	1.13E-01	4.29E-02	2.78E-03	7.55E-02	3.20E-03	2.92E-03	2.9274E-01
551605.71	4173009.79	7.30E-02	9.06E-03	8.15E-02	5.84E-02	3.28E-03	5.54E-02	2.25E-03	2.06E-03	2.8908E-01
551605.71	4173019.79	5.56E-02	8.27E-03	9.56E-02	4.95E-02	3.01E-03	6.43E-02	2.64E-03	2.42E-03	2.8348E-01

Unmitigated PM2.5 Concentrations

Maximum DPM (ug/m3)		MIR UTM	
	X	Y	
7.2280E-01	551674.71	4173865.89	
UTM	551674.71	4173865.89	
Latitude, Longitude	37°42'05.6"N 122°24'49.7"W		

Construction Health Risk Assessment Files

Midway Village Project—New Phase 2 Receptors

New Phase 2 Receptors: Exposed to Phases 3+4 Demolition and Phases 3+4 Construction
Construction Annual DPM Emissions (PM2.5 Exhaust)

Mitigated Concentrations

Annual Average Onsite DPM Rate—Demolition Area 3A (Phase 3) (gram s/ m2/sec):	4.96E-08
Annual Average Onsite DPM Rate—Demolition Area 4A (Part 1 of 2 Phase 4) (grams/m2/sec):	6.25E-08
Annual Average Onsite DPM Rate—Demolition Area 4A (Part 2 of 2 Phase 4 – Phase 4/5) (grams/m2/sec):	6.25E-08
Annual Average Onsite DPM Rate—Construction Area 3B (Phase 3) (grams/m2/sec):	6.84E-08
Annual Average Onsite DPM Rate—Construction Area 4B and Area 2B/4B (Phase 4) (grams/m2/sec):	4.70E-08
Annual Average Onsite DPM Rate—Construction Area 4B (Phase 4/5) (grams/ m2/ sec):	4.70E-08
Annual Average Offsite DPM Emission Rate - Road Segment 1 (grams/sec):	5.32E-06
Annual Average Offsite DPM Emission Rate - Road Segment 2 (grams/sec):	6.57E-06

X	Y	Unit Emissions Construction Area 3B (Phase 3) AREA5	Unit Emissions Construction Area 4B and Area 2B/4B (Phase 4) AREA6	Unit Emissions Construction Area 4B (Phase 4/5) AREA7	Unit Emissions Demolition Area 3A (Phase 3) AREA11	Unit Emissions Demolition Area 4A (Part 1 of 2 Phase 4) AREA12	Unit Emissions Demolition Area 4A (Part 2 of 2 Phase 4 – Phase 4/5) AREA13	Unit Emissions Route 1 - From the project site towards US-101 LINE1	Unit Emissions Route 2 - From US-101 towards the project site LINE2
551674.71	4173865.89	253657.362	125772.2885	16192.31273	266490.3884	582816.6909	11223.51053	1.83115	1.78152
551684.15	4173895.89	322054.3417	54273.53829	22752.41204	281345.6369	209844.5491	15295.54241	1.52951	1.49839
551677.73	4173875.61	276089.9934	93854.60735	18232.97642	270818.9251	388458.4959	12484.60218	1.69067	1.64923
551689.28	4173903.18	325769.2509	45104.71505	24432.0162	271928.284	1728466661	16260.85001	1.49965	1.43201
551682.2	4173884.49	294782.9474	72988.34169	20043.5664	259819.4043	284281.81458	13626.15734	1.583	1.5484
551684.71	4173865.89	205437.0862	128406.7844	15539.46555	226352.8492	579111.2174	10715.65315	1.65926	1.61331
551693.32	4173895.33	287789.6418	53971.98057	21964.41078	233414.7141	199917.9458	14766.91075	1.43911	1.39191
551687.73	4173875.61	231115.2903	93979.77327	17358.25367	225912.9975	382995.0109	11816.57135	1.5454	1.51025
551692.2	4173884.49	252962.7928	71446.81269	19248.12859	215089.8241	269967.4508	13049.32259	1.45465	1.42501
551699.28	4173903.18	272950.0181	43242.10254	23627.41546	223468.7266	160916.6634	15744.88395	1.34718	1.32292
551645.71	4173839.19	396182.7617	76192.66861	2655409303	30377.40944	3188.81573	1968514.035	1.85399	3.70803
551665.71	4173929.79	45210.50729	79273.32978	2663353.752	34014.02698	3174.53656	1847454.845	2.44616	2.42247
5517022	4173894.49	233143.8369	53299.58789	209567.9043	195597.7525	191973.3534	14050.36743	1.3229	1.29885
551655.71	4173929.79	46768.04052	8103.4047	2479773317	34643.07473	3426.32599	176606.5076	2.92804	2.83762
551702.2	4173884.49	202904.4076	68451.25648	18478.87693	177550.0285	25155.18116	12557.94096	1.33893	1.31394
551635.71	4173939.79	40664.45819	7764.68352	2431986891	30547.65371	3209.01046	177074.7824	2.99028	4.76055
551685.71	4173919.79	50606.30017	8145.42035	2451133364	37834.40424	3482.20383	146628.2845	1.86123	1.8244
551675.71	4173919.79	53876.14132	8435.84433	2380423409	39642.95397	3602.78653	147644.0821	2.0805	2.04538
551695.71	4173919.79	47024.69081	7843.42258	2477902063	35706.88737	3349.2656	140520.513	1.67468	1.64406
551645.71	4173929.79	48161.3942	8265.74633	2280095779	35047.88562	3461.08097	153354.7572	3.57107	3.43857
551665.71	4173919.79	56165.93174	8644.19937	2205291463	40945.20373	3679.34724	148086.2506	2.37143	2.31308
5517122	4173894.49	189802.6382	50437.10071	19946.6357	166772.6655	17878357968	13349.59794	1.22589	1.20502
551625.71	4173939.79	41583.98104	7898.24248	2185272964	30807.11974	32133227	155727.9646	6.8802	6.48975
551655.71	4173919.79	58089.51158	8823.00755	2010837482	41003.56445	3731.3755	131467.003	2.7596	2.67699
551635.71	4173929.79	49315.59018	84063.7842	2053116277	35227.56709	3474.88635	139626.2628	4.53813	4.33374
551665.71	4173979.79	170966.4884	13092.46834	89075.34188	105189.1518	5531.35829	56359.82161	2.03785	1.99128
5516185	4173846.65	37161.56859	75132.60778	2062219654	28118.776	3010.21228	157838.0287	10.07359	9.358
551675.71	4173979.79	162159.8003	12768.4889	92013.40991	109801.7517	5390.99485	55738.82372	1.82854	1.79056
5517122	4173884.49	165268.4298	68004.35221	17602.87393	149740.922	233122.73189	11949.21114	1.23715	1.21536
551685.71	4173909.79	64218.38594	89444.40588	197455.3518	46726.00468	3814.25994	110079.0669	1.80169	1.7664
551675.71	4173909.79	68625.90725	92643.12372	187745.3304	48700.14469	3950.60231	113503.4525	2.02526	1.97204
551695.71	4173909.79	59466.00999	86193.92017	204636.9623	44260.2169	3667.98007	106248.9377	1.62758	1.5981
551645.71	4173919.79	60214.16702	90115.55855	183226.8921	41387.13131	3773.59878	122118.9509	3.32772	3.20695
551705.71	4173909.79	54605.56184	82883.88383	207200853	41480.32125	3514.85668	101508.2559	1.48262	1.45736
551665.71	4173909.79	71708.85483	94836.06004	173078.6649	49460.04291	4034.47359	108346.1555	2.27232	2.21834
551625.71	4173929.79	90578.7694	85678.00079	182853.5438	35497.4435	3483.79303	124968.4902	6.13575	5.78809
551615.71	4173939.79	42087.14885	79826.66738	187567.1425	30792.74309	3190.90016	132074.2347	10.36607	9.57798
551665.71	4173989.79	128009.2193	11675.76594	109272.4101	80797.2279	4947.84908	68738.64621	2.3082	2.05931
551655.71	4173989.79	134470.2107	11894.25496	103328.7789	79513.01244	5017.34418	67681.17318	2.38695	2.32351
551675.71	4173989.79	120466.4961	11381.97574	114552.2902	81280.41222	4826.67691	68958.52036	1.88415	1.84439
551645.71	4173989.79	141511.7891	12092.60644	97245.18085	78093.39653	5053.57353	65764.05484	2.77563	2.68422
551655.71	4173909.79	74593.26999	96673.83109	158386.5582	49645.79449	4087.26134	103108.1444	2.63466	2.53901
551675.71	4173999.79	90242.23625	10238.64276	145582.0682	61901.64228	4355.98306	86314.34882	1.94696	1.90564
551715.71	4173909.79	49798.51824	79533.58298	2019906482	38532.15788	3356.2149	96155.65974	1.39978	1.33838
551685.71	4173999.79	83637.38129	98870.1454	1523902136	59764.34997	4201.71475	84727.08589	1.74756	1.71363
5517222	4173894.49	156735.2789	47001.87916	189753686	143662.3947	16577.69229	12688.90847	1.13941	1.12127
551665.71	4173999.79	94432.97624	10481.08124	136214.7331	62363.04664	4451.31301	85311.49208	2.3853	2.13403
551635.71	4173919.79	61813.09192	91524.3769	1640849732	41294.40371	3782.41134	111544.7834	4.16114	3.9777
551610.46	4173044.8	38689.60186	77124.48107	1804594816	28836.70975	3054.74292	131102.7285	14.72421	13.45634
551685.71	4173989.79	109905.0411	11038.15125	118614.4131	78495.1034	4661.86098	67017.3185	1.69806	1.66634
551695.71	4173999.79	77095.75356	95315.1998	1579908114	56872.46025	4037.3854	81905.75945	1.58418	1.55572
551645.71	4173909.79	78212.29441	98863.66457	1458975007	49968.33726	4139.37004	97758.90242	3.13904	3.00866
551655.71	4173999.79	98445.96215	10666.47257	126522.2917	61766.54252	4505.80055	82660.41839	2.48893	2.42071
5517222	4173884.49	137783.8707	65150.21003	16616.0102	128391.8104	215612.5206	11355.57449	1.14794	1.12915
551645.71	4173999.79	104106.8183	10877.69381	1177608669	61420.05456	4551.35922	79418.30007	2.93132	2.83096
551705.71	4173999.79	70495.26045	91593.60361	1608610584	53377.28909	3861.58444	78394.84676	1.44691	1.42264
551695.71	4173989.79	99836.23491	10621.55408	1213134271	74955.26008	44730236	64804.3384	1.54496	1.51739
551635.71	4173999.79	110230.8342	11077.72551	1089995566	60731.37874	45692211	75358.71399	3.57762	3.42777
551725.71	4173909.79	45428.79407	76153.5704	1867062609	35891.66421	3196.81752	89570.22139	1.25419	1.23537
551635.71	4173909.79	80838.2711	10034.60745	1324718329	49462.47796	41442356	90961.59313	3.84617	3.68046
551625.71	4173919.79	63730.27612	93223.93234	14681026696	41389.4828	3787.06642	101493.881	5.50514	5.20192
551615.71	4173929.79	51255.1163	86711.69587	1570222559	35426.46102	3458.84966	109814.4241	8.39976	8.04621
551705.71	4173989.79	93612.1882	10202.10166	121883.331	72382.25206	4271.66411	62075.86383	1.43476	1.39138
551625.71	4173999.79	115221.7323	11249.00376	99959.22943	59791.13006	4552.29113	70492.88835	4.55457	4.31878
551715.71	4173999.79	64213.86159	8778.22331	158851.1521	49656.73246	3680.57428	74476.55516	1.32894	1.30898
551608.32	4173037.65	94145.62875	81970.65485	157942.3687	31729.1204	3225.12308	113066.8474	14.82875	13.44281
551625.71	4173009.79	88839.73653	10205.16306	119924.4921	49361.59552	4139.02705	83976.01256	4.98615	4.71941
551716.52	4172982.41	104838.9173	10569.93099	96661.75002	83798.53905	4364.82472	50383.23063	1.27632	1.25649
551615.71	4172999.79	118502.2358	11430.35248	90444.34538	59170.42038	4513.86244	65028.87519	6.15861	5.75187
551729.68	4172892.53	132787.3141	46719.68208	17824.32827	122599.3444	164131.81134	11963.82411	1.08172	1.06525
551715.71	4172989.79	85989.59816	9765.70364	119206.3137	67208.35237	4063.41233	59092.08959	1.30816	1.28275
551730.52	4172878.4	111792.0564	73730.41794	34501.13837	108531.262	240388.83362	10004.12522	1.08778	1.07073
551615.71	4173019.79	64604.3152	9445.86288	1286302081	41397.84301	3758.29403	90489.08323	7.81138	7.25333
551615.71	4173009.79	86014.5339	10366.68966	1070660435	48887.18854	4110.70841	76354.16704	6.93008	6.43366
551725.71	4172997.1	92500.3084	86351.09324	1389766164	49385.07632	3592.25387	69803.8598	1.22312	1.20495
5517232	4172987.32	85178.78781	9698.0135	1067138872	67467.98261	4005.81812	53725.81145	1.22395	1.20561
551733.88	4172886.73	115948.4827	53862.07084	160617.0317	109638.2208	18415.17056	10996.2038	1.05416	1.03832
551605.71	4173029.79	51643.8974	87615.58052	1305619882	35305.54058	3417.79965	92720.94869	14.91173	13.42829
551605.71	4173009.79	84685.59236	10439.06952	93908.72907	48345.88018	4033.7771	68061.28804	10.47246	9.5061
551605.71	4173019.79	64522.09522	9539.8121	1101568808	40789.37285	3698.80457	79042.25744	12.31389	11.13311
CONCUNIT ug/	m^3								
DEPUNIT g/m^	2								

X	Y	Construction Area 2B (Part 1 of 2 Phase 2) Annual DPM Exhaust	Construction Area 2B and 2B/3B (Part 2 of Phase 2) Annual DPM Exhaust	Construction Area 3B (Phase 3) Annual DPM Exhaust	Construction Area 4B and Area 2B/4B (Phase 4) Annual DPM Exhaust	Construction Area 4B (Phase 4/5) Annual DPM Exhaust	Demolition Area 2A (Part 1 of 2 Phase 2) Annual DPM Exhaust	Demolition Area 2A (Part 2 of 2 Phase 2) Annual DPM Exhaust	Demolition Area 3A (Phase 3) Annual DPM Exhaust	Total DPM
		w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	**(ug/m3)**
551674.71	4173865.89	1.26E-02	7.86E-03	1.01E-03	1.82E-02	2.74E-03	5.27E-04	9.75E-06	1.17E-05	4.2950E-02
551684.15	4173895.89	1.60E-02	3.39E-03	1.42E-03	1.92E-02	9.86E-04	7.18E-04	8.34E-06	9.85E-06	4.173EE-02
551677.73	4173875.61	1.37E-02	5.86E-03	1.14E-03	1.85E-02	1.82E-03	5.86E-04	8.99E-06	1.08E-05	4.1637E-02
551689.28	4173903.18	1.61E-02	2.82E-03	1.53E-03	1.86E-02	1.32E-03	7.64E-04	7.76E-06	9.41E-06	4.0680E-02
551682.2	4173884.49	1.46E-02	4.56E-03	1.25E-03	1.77E-02	1.34E-03	6.40E-04	8.42E-06	1.02E-05	4.0190E-02
551684.71	4173865.89	1.02E-02	8.02E-03	9.71E-04	1.55E-02	2.72E-03	5.03E-04	8.81E-06	1.06E-05	3.7896E-02
551693.32	4173895.33	1.43E-02	3.37E-03	1.37E-03	1.60E-02	9.39E-04	6.94E-04	7.55E-06	9.14E-06	3.6639E-02
551687.73	4173875.61	1.16E-02	5.87E-03	1.08E-03	1.54E-02	1.80E-03	5.55E-04	8.22E-06	9.92E-06	3.6330E-02
551692.2	4173884.49	1.25E-02	4.46E-03	1.20E-03	1.47E-02	1.27E-03	6.13E-04	7.74E-06	9.36E-06	3.4811E-02
551699.28	4173903.18	1.35E-02	2.70E-03	1.48E-03	1.53E-02	7.56E-04	7.40E-04	7.17E-06	8.69E-06	3.4499E-02
551645.71	4173839.19	1.96E-03	4.76E-04	1.66E-02	2.09E-03	1.50E-04	9.25E-03	2.05E-05	2.44E-05	3.0529E-02
551665.71	4173929.79	2.24E-03	4.95E-04	1.66E-02	2.31E-03	1.58E-04	8.68E-03	1.32E-05	1.59E-05	3.0568E-02
5517022	4173894.49	1.16E-02	3.33E-03	1.31E-03	1.34E-02	9.02E-04	6.60E-04	7.04E-06	8.53E-06	3.1148E-02
551655.71	4173929.79	2.32E-03	5.06E-04	1.55E-02	2.37E-03	1.61E-04	8.01E-03	1.56E-05	1.86E-05	2.8890E-02
551702.2	4173884.49	1.01E-02	4.28E-03	1.15E-03	1.21E-02	1.18E-03	5.90E-04	7.32E-06	8.63E-06	2.9436E-02
551635.71	4173939.79	2.02E-03	4.85E-04	1.52E-02	2.09E-03	1.51E-04	8.32E-03	2.65E-05	3.13E-05	2.8305E-02
551685.71	4173919.79	2.51E-03	5.09E-04	1.53E-02	2.59E-03	1.66E-04	6.89E-03	9.90E-06	1.20E-05	2.7986E-02
551675.71	4173919.79	2.67E-03	5.27E-04	1.49E-02	2.75E-03	1.69E-04	6.93E-03	1.11E-05	1.34E-05	2.7904E-02
551695.71	4173919.79	2.33E-03	4.90E-04	1.55E-02	2.44E-03	1.57E-04	6.60E-03	8.91E-06	1.08E-05	2.7536E-02
551645.71	4173929.79	2.39E-03	5.16E-04	1.42E-02	2.40E-03	1.63E-04	7.30E-03	1.90E-05	2.26E-05	2.7042E-02
551665.71	4173919.79	2.78E-03	5.40E-04	1.38E-02	2.77E-03	1.73E-04	6.61E-03	1.26E-05	1.52E-05	2.6684E-02
551625.71	4173939.79	9.41E-03	3.15E-03	1.25E-03	1.34E-02	8.40E-04	6.27E-04	6.52E-06	7.92E-06	2.6690E-02
551635.71	4173929.79	2.06E-03	4.93E-04	1.36E-02	2.11E-03	1.51E-04	7.31E-03	3.67E-05	4.26E-05	2.5854E-02
551665.71	4173979.79	1.01E-02	4.28E-03	1.15E-03	1.21E-02	1.18E-03	5.90E-04	7.32E-06	8.63E-06	2.9436E-02
551635.71	4173939.79	2.44E-03	5.25E-04	1.28E-02	2.41E-03	1.63E-04	6.56E-03	2.41E-05	2.85E-05	2.4964E-02
551665.71	4173979.79	8.47E-03	8.18E-04	5.56E-03	7.39E-03	2.60E-04	2.65E-03	1.08E-05	1.31E-05	2.4980E-02
551685.71	4173909.79	1.84E-03	4.70E-04	1.29E-02	1.92E-03	1.42E-04	7.41E-03	5.30E-05	6.15E-05	2.4786E-02
551675.71	4173909.79	2.02E-03	4.85E-04	1.52E-02	2.09E-03	1.51E-04	8.32E-03	2.65E-05	3.13E-05	2.8305E-02
551712.2	4173884.49	8.19E-03	4.25E-03	1.10E-03	1.02E-02	1.09E-03	5.61E-04	6.58E-06	7.99E-06	2.5450E-02
551685.71	4173909.79	3.18E-03	5.59E-04	1.23E-02	3.20E-03	1.79E-04	5.17E-03	9.58E-06	1.16E-05	2.4640E-02
551675.71	4173909.79	3.40E-03	5.79E-04	1.17E-02	3.41E-03	1.86E-04	5.24E-03	1.07E-05	1.30E-05	2.4483E-02
551695.71	4173909.79	2.95E-03	5.38E-04	1.28E-02	3.03E-03	1.72E-04	4.99E-03	8.66E-06	1.05E-05	2.4476E-02
551645.71	4173919.79	2.98E-03	5.63E-04	1.14E-02	2.81E-03	1.77E-04	5.74E-03	1.77E-05	2.11E-05	2.3773E-02
551705.71	4173909.79	2.71E-03	5.18E-04	1.29E-02	2.84E-03	1.65E-04	4.77E-03	7.89E-06	9.58E-06	2.3953E-02
551665.71	4173909.79	3.55E-03	5.92E-04	1.08E-02	3.38E-03	1.89E-04	5.09E-03	1.21E-05	1.46E-05	2.3644E-02
551625.71	4173929.79	2.51E-03	5.35E-04	1.14E-02	2.41E-03	1.64E-04	5.87E-03	3.26E-05	3.80E-05	2.2994E-02
551615.71	4173939.79	2.09E-03	4.99E-04	1.17E-02	2.11E-03	1.50E-04	6.20E-03	5.51E-05	6.29E-05	2.2877E-02
551665.71	4173989.79	6.35E-03	7.29E-04	6.82E-03	5.53E-03	2.32E-04	3.23E-03	1.12E-05	1.35E-05	2.2930E-02
551655.71	4173989.79	6.67E-03	7.43E-04	6.45E-03	5.44E-03	2.36E-04	3.18E-03	1.27E-05	1.53E-05	2.2742E-02
551675.71	4173989.79	5.97E-03	7.13E-04	7.15E-03	5.59E-03	2.27E-04	3.22E-03	1.01E-05	1.21E-05	2.2839E-02
551645.71	4173989.79	7.01E-03	7.55E-04	6.07E-03	5.34E-03	2.37E-04	3.09E-03	1.48E-05	1.76E-05	2.2543E-02
551655.71	4173909.79	3.70E-03	6.04E-04	9.89E-03	3.39E-03	1.92E-04	4.84E-03	1.39E-05	1.67E-05	2.2654E-02
551675.71	4173999.79	4.47E-03	6.39E-04	9.09E-03	4.28E-03	2.05E-04	4.05E-03	1.04E-05	1.25E-05	2.2720E-02
551715.71	4173909.79	2.47E-03	4.97E-04	1.26E-02	2.68E-03	1.58E-04	4.52E-03	7.23E-06	8.79E-06	2.2905E-02
551685.71	4173999.79	4.15E-03	6.18E-04	9.52E-03	4.09E-03	1.97E-04	3.98E-03	9.30E-06	1.13E-05	2.2566E-02
5517222	4173894.49	7.77E-03	2.94E-03	1.19E-03	9.68E-03	7.79E-04	5.96E-04	6.06E-06	7.37E-06	2.2966E-02
551665.71	4173999.79	4.68E-03	6.55E-04	8.51E-03	4.25E-03	2.09E-04	4.01E-03	2.38E-05	1.40E-05	2.2336E-02
551635.71	4173919.79	3.06E-03	5.72E-04	1.02E-02	2.82E-03	1.78E-04	5.24E-03	2.21E-05	2.61E-05	2.2173E-02
551610.46	4173044.8	1.92E-03	4.82E-04	1.13E-02	1.97E-03	1.43E-04	6.16E-03	7.88E-05	8.84E-05	2.2130E-02
551685.71	4173989.79	5.45E-03	6.88E-04	7.41E-03	5.37E-03	2.19E-04	3.15E-03	9.04E-06	1.09E-05	2.2303E-02
551695.71	4173999.79	3.82E-03	5.99E-04	9.87E-03	3.89E-03	1.90E-04	3.85E-03	8.43E-06	1.02E-05	2.2229E-02
551645.71	4173909.79	3.88E-03	6.17E-04	9.11E-03	3.42E-03	1.94E-04	4.59E-03	1.66E-05	1.98E-05	2.1845E-02
551655.71	4173999.79	4.88E-03	6.66E-04	7.90E-03	4.22E-03	2.12E-04	3.88E-03	1.32E-05	1.59E-05	2.1795E-02
551722.2	4173884.49	6.83E-03	4.07E-03	1.04E-03	8.78E-03	1.01E-03	5.33E-04	6.11E-06	7.42E-06	2.2276E-02
551645.71	4173999.79	5.16E-03	6.79E-04	7.35E-03	4.20E-03	2.14E-04	3.73E-03	1.56E-05	1.86E-05	2.1373E-02
551705.71	4173999.79	3.49E-03	5.72E-04	1.00E-02	3.01E-03	1.81E-04	4.68E-03	2.10E-05	9.35E-06	2.1644E-02
551695.71	4173989.79	4.95E-03	6.63E-04	7.58E-03	5.13E-03	2.10E-04	3.04E-03	8.22E-06	9.97E-06	2.1587E-02
551635.71	4173999.79	5.46E-03	6.92E-04	6.81E-03	4.15E-03	2.15E-04	3.54E-03	1.90E-05	2.25E-05	2.0913E-02
551725.71	4173909.79	2.25E-03	4.76E-04	1.17E-02	2.45E-03	1.50E-04	4.21E-03	6.67E-06	8.12E-06	2.1235E-02
551635.71	4173909.79	4.01E-03	6.27E-04	8.27E-03	3.38E-03	1.95E-04	4.27E-03	2.05E-05	2.42E-05	2.0802E-02
551625.71	4173919.79	3.16E-03	5.82E-04	9.17E-03	2.83E-03	1.78E-04	4.77E-03	2.93E-05	3.42E-05	2.0749E-02
551615.71	4173929.79	2.54E-03	5.42E-04	9.81E-03	2.42E-03	1.62E-04	5.11E-03	4.77E-05	5.45E-05	2.0688E-02
551705.71	4173989.79	4.64E-03	6.37E-04	7.61E-03	4.95E-03	2.01E-04	2.92E-03	7.58E-06	9.14E-06	2.0973E-02
551625.71	4173999.79	5.71E-03	7.03E-04	6.24E-03	4.09E-03	2.14E-04	3.31E-03	2.42E-05	2.84E-05	2.0323E-02
551715.71	4173999.79	3.18E-03	5.48E-04	9.92E-03	3.40E-03	1.73E-04	3.50E-03	7.07E-06	8.60E-06	2.0735E-02
551608.32	4173037.65	2.19E-03	5.12E-04	9.86E-03	2.27E-03	1.51E-04	5.32E-03	8.83E-05	7.86E-05	2.0270E-02
551625.71	4173009.79	4.16E-03	6.37E-04	7.49E-03	3.36E-03	1.94E-04	3.94E-03	2.65E-05	3.10E-05	1.9841E-02
551716.52	4172982.41	5.20E-03	6.60E-04	6.04E-03	5.73E-03	2.05E-04	2.36E-03	6.79E-06	8.26E-06	2.0201E-02
551615.71	4172999.79	5.87E-03	7.14E-04	5.65E-03	4.05E-03	2.12E-04	3.28E-03	3.28E-05	3.78E-05	1.9620E-02
551729.68	4172892.53	6.58E-03	2.92E-03	1.11E-03	8.38E-03	7.71E-04	5.62E-04	5.75E-06	7.00E-06	2.0343E-02
551715.71	4172989.79	4.26E-03	6.10E-04	7.45E-03	4.60E-03	1.91E-04	2.78E-03	6.91E-06	8.43E-06	1.9895E-02
551730.52	4172878.4	5.54E-03	4.63E-03	9.06E-04	7.42E-03	1.13E-03	4.70E-04	5.79E-06	7.03E-06	2.0087E-02
551615.71	4173019.79	3.20E-03	5.90E-04	8.03E-03	2.82E-03	1.77E-04	4.25E-03	4.36E-05	4.77E-05	1.9159E-02
551615.71	4173009.79	4.26E-03	6.47E-04	6.69E-03	3.34E-03	1.93E-04	3.59E-03	3.68E-05	4.23E-05	1.8800E-02
551725.71	4172997.1	3.10E-03	5.39E-04	8.68E-03	3.27E-03	1.69E-04	3.99E-03	6.51E-06	7.92E-06	1.8968E-02
5517232	4172987.32	4.22E-03	6.05E-04	6.67E-03	4.61E-03	1.88E-04	2.52E-03	6.51E-06	7.92E-06	1.8832E-02
551733.88	4172886.73	5.75E-03	3.36E-03	1.00E-03	7.50E-03	8.65E-04	5.16E-04	5.61E-06	6.82E-06	1.9006E-02
551605.71	4173029.79	2.56E-03	5.47E-04	8.15E-03	2.41E-03	1.61E-04	4.36E-03	7.98E-05	8.82E-05	1.8339E-02
551605.71	4173009.79	4.20E-03	6.52E-04	5.87E-03	3.29E-03	1.89E-04	3.20E-03	5.57E-05	6.25E-05	1.7512E-02
551605.71	4173019.79	3.20E-03	5.99E-04	6.88E-03	2.79E-03	1.74E-04	3.71E-03	6.91E-05	7.31E-05	1.7487E-02

Mitigated DPM Concentrations

Maximum DPM (ug/m3)	MIR UTM X	MIR UTM Y
4.2950E-02	551674.71	4172865.89

UTM	551674.71	4172865.89
Latitude, Longitude	37°42'05.6"N 122°24'49.7"W	

Midway Village Project—New Phase 2 Receptors

New Phase 2 Receptors: Exposed to Phases 3+4 Demolition and Phases 3+4 Construction
Construction Annual Total PM2.5 Emissions (PM2.5 Total)

Mitigated Concentrations

Annual Average Onsite Total PM2.5 Emission Rate—Demolition Area 3A (Phase 3) (grams/m2/sec):	2.73E-07
Annual Average Onsite Total PM2.5 Emission Rate—Demolition Area 4A (Part 1 of 2 Phase 4) (grams/m2/sec):	1.28E-07
Annual Average Onsite Total PM2.5 Emission Rate—Demolition Area 4A (Part 2 of 2 Phase 4 – Phase 4/5) (grams/m2/sec):	1.28E-07
Annual Average Onsite Total PM2.5 Emission Rate—Construction Area 3B (Phase 3) (grams/m2/sec):	7.50E-07
Annual Average Onsite Total PM2.5 Emission Rate—Construction Area 4B and Area 2B/4B (Phase 4) (grams/m2/sec):	4.93E-07
Annual Average Onsite Total PM2.5 Emission Rate—Construction Area 4B (Phase 4/5) (grams/m2/sec):	4.93E-07
Annual Average Offsite Total PM2.5 Emission Rate - Road Segment 1 (grams/sec):	2.15E-04
Annual Average Offsite Total PM2.5 Emission Rate - Road Segment 2 (grams/sec):	2.17E-04

		Unit Emissions Construction Area 3B (Phase 3) AREA5	Unit Emissions Construction Area 4B and Area 2B/4B (Phase 4) AREA6	Unit Emissions Construction Area 4B (Phase 4/5) AREA7	Unit Emissions Demolition Area 3A (Phase 3) AREA11	Unit Emissions Demolition Area 4A (Part 1 of 2 Phase 4) AREA12	Unit Emissions Demolition Area 4A (Part 2 of 2 Phase 4 – Phase 4/5) AREA13	Unit Emissions Route 1 - From the project site towards US-101 LINE1	Unit Emissions Route 2 - From US-101 towards the project site LINE2	Construction Area 2B (Part 1 of 2 Phase 2) Annual PM2.5	Construction Area 2B and 2B/3B (Part 2 of Phase 2) Annual PM2.5	Construction Area 3B (Phase 3) Annual PM2.5	Construction Area 4B and Area 2B/4B (Phase 4) Annual PM2.5	Construction Area 4B (Phase 4/5) Annual PM2.5	Demolition Area 2A (Part 1 of 2 Phase 2) Annual PM2.5	Demolition Area 2A (Part 2 of 2 Phase 2) Annual PM2.5	Demolition Area 3A (Phase 3) Annual PM2.5	Total	Mitigated PM2.5 Concentrations		
X	Y									w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	PM2.5 (ug/m3)	Maximum DPM (ug/m3)	MR UTM X	MR UTM Y
551674.71	4173865.89	253657.362	125772.2285	16192.31273	266490.3884	58281.69809	11223.51053	1.83315	1.78152	6.59E-02	1.62E-02	2.08E-03	2.03E-01	2.87E-02	5.53E-03	3.94E-04	3.87E-04	3.223E-01	3.273E-01	551684.15	4173895.89
551684.15	4173895.89	322054.3417	54273.53829	22752.43204	281345.6369	209845491	15295.54241	1.52951	1.49859	8.80E-02	6.97E-03	2.92E-03	2.11E-01	1.03E-02	7.53E-03	3.29E-04	3.25E-04	3.273E-01			
551677.73	4173875.61	276089.9934	93854.60735	18232.97642	270818.9251	188454.8959	12484.60218	1.69067	1.64923	7.54E-02	1.21E-02	2.34E-03	2.03E-01	1.91E-02	6.15E-03	3.63E-04	3.58E-04	3.188E-01			
551689.28	4172803.18	325769.2509	45104.71505	24432.0162	273928.2284	172846.6661	16260.85001	1.49965	1.43201	8.30E-02	5.79E-03	3.14E-03	2.04E-01	8.51E-03	8.01E-03	3.14E-04	3.11E-04	3.189E-01			
551682.2	4172884.49	294782.9474	72983.34169	20043.5664	259819.4043	2842818.458	13626.15734	1.583	1.5484	8.05E-02	9.38E-03	2.57E-03	1.94E-01	1.40E-02	6.71E-03	3.40E-04	3.36E-04	3.083E-01			
551684.71	4172865.89	205437.0862	128406.7844	15539.46555	226352.8492	579111.2174	10715.65335	1.65626	1.61331	5.61E-02	1.65E-02	2.00E-03	1.70E-01	2.85E-02	5.28E-03	3.56E-04	3.50E-04	2.788E-01			
551693.32	4172895.33	287789.6418	53975.98057	21564.41079	233414.7141	19991.79458	14766.93075	1.43911	1.39191	7.86E-02	6.93E-03	2.82E-03	1.75E-01	9.85E-03	7.27E-03	3.09E-04	3.02E-04	2.813E-01			
551687.73	4172875.61	233115.2903	93979.77327	17358.25367	229312.9975	1829950.109	11816.57115	1.5454	1.51025	6.37E-02	1.21E-02	2.23E-03	1.69E-01	1.89E-02	5.82E-03	3.32E-04	3.28E-04	2.727E-01			
551692.2	4172884.49	252962.7928	71446.81269	19248.12859	215089.8241	269967.4508	13049.32259	1.45465	1.42501	6.91E-02	9.18E-03	2.47E-03	1.61E-01	1.33E-02	6.43E-03	3.12E-04	3.09E-04	2.623E-01			
551699.28	4172803.18	272950.0181	43242.10254	23627.41546	223468.7286	160916.6634	15744.88395	1.34718	1.32192	7.46E-02	5.56E-03	3.04E-03	1.68E-01	7.93E-03	7.76E-03	2.89E-04	2.87E-04	2.669E-01			
551645.71	4173039.79	39618.76117	76192.26881	2655403.903	30277.40944	3188.81573	15354.7572	3.83399	3.70803	1.08E-02	9.79E-04	3.41E-02	2.26E-01	1.57E-03	9.70E-02	8.28E-04	8.05E-04	1.687E-01			
551665.71	4173029.79	45210.50729	7927.32978	2663537752	34014.02698	3374.53656	184754.8445	2.48616	2.42247	1.24E-02	1.02E-03	3.42E-02	2.55E-02	1.66E-03	9.10E-02	5.34E-04	5.26E-04	1.668ZE-01			
551702.2	4172894.49	231143.8369	53299.58789	20956.75943	195597.7525	191973534	14050.36743	1.3229	1.29885	6.37E-02	6.85E-03	2.69E-03	1.47E-01	9.46E-03	6.92E-03	2.84E-04	2.82E-04	2.368IE-01			
551655.71	4173029.79	46768.04052	8108.4047	2479771317	34643.07473	3426.32599	1706006.5076	2.93804	2.83762	1.28E-02	1.04E-03	3.19E-02	2.92E-02	1.69E-03	8.40E-02	6.29E-04	6.16E-04	1.586ZE-01			
551702.2	4172884.49	202904.4076	68451.25648	18478.87693	177550.0285	251551.8116	12557.94096	1.13893	1.13154	5.54E-02	8.79E-03	2.37E-03	1.33E-01	1.24E-02	6.19E-03	2.88E-04	2.85E-04	2.188TE-01			
551635.71	4173039.79	40664.45819	7764.68352	2413186891	30547.65371	3209.01046	177074.7824	4.99028	4.76055	1.11E-02	9.98E-04	3.12E-02	2.29E-02	1.58E-03	8.72E-02	1.07E-03	1.03E-03	1.573TE-01			
551685.71	4173019.79	50606.30017	81454.27035	2451133364	37884.40424	3482.20383	1466284.2845	1.86023	1.8244	1.38E-02	1.05E-03	3.15E-02	2.84E-02	1.72E-03	7.22E-02	4.00E-04	3.96E-04	1.494TE-01			
551675.71	4173019.79	53876.14132	84358.4433	2380429409	39642.95397	3602.73653	147644.0821	2.0905	2.04518	1.47E-02	1.08E-03	3.06E-02	2.97E-02	1.77E-03	7.27E-02	4.49E-04	4.44E-04	1.515OE-01			
551695.71	4173019.79	47024.69081	7843.42258	2477902063	35706.88737	3349.2656	140520.533	1.67468	1.64406	1.28E-02	1.01E-03	3.18E-02	2.68E-02	1.65E-03	6.92E-02	3.60E-04	3.57E-04	1.440SE-01			
551645.71	4173039.79	48161.3942	8265.74633	2280093779	35067.83562	3461.08097	155354.7572	3.43857	3.57107	1.32E-02	1.06E-03	2.93E-02	2.68E-02	1.70E-03	7.65E-02	7.67E-04	7.47E-04	1.495AE-01			
551665.71	4173019.79	56165.91374	8644.19937	2205291463	40545.20373	3679.34724	140806.2506	2.37143	2.31308	1.53E-02	1.11E-03	2.83E-02	3.04E-02	1.81E-03	6.94E-02	5.09E-04	5.02E-04	1.473TE-01			
551712.2	4172894.49	189802.6382	50437.10071	19946.6357	166772.6655	178785.7968	13349.59794	1.22589	1.20502	5.19E-02	6.48E-03	2.56E-03	1.25E-01	8.81E-03	6.58E-03	2.63E-04	2.62E-04	2.018IE-01			
551625.71	4173039.79	41583.98104	7898.24148	2185272964	30807.11961	3213.9227	155727.9646	6.8902	6.48975	1.34E-02	1.01E-03	2.81E-02	2.31E-02	1.58E-03	7.67E-02	1.48E-03	1.41E-03	1.447IE-01			
551655.71	4173019.79	58089.51158	8823.00755	2010837482	41010.56445	3731.3755	131467.003	2.7596	2.67699	1.59E-02	1.13E-03	2.58E-02	3.07E-02	1.84E-03	6.48E-02	5.93E-04	5.81E-04	1.413EE-01			
551635.71	4173029.79	49315.59118	8406.37842	2051316277	35227.56709	3474.88635	139626.2628	4.53813	4.33374	1.35E-02	1.08E-03	2.64E-02	2.64E-02	1.71E-03	6.88E-02	9.75E-04	9.41E-04	1.397IE-01			
551665.71	4172979.79	170966.6884	13092.46834	890753.4188	105189.1518	5531.35829	56359.82168	2.03785	1.99128	4.67E-02	1.68E-03	1.14E-02	7.89E-02	2.72E-03	2.78E-02	4.38E-04	4.32E-04	1.700IE-01			
551618.5	4173046.65	37161.54459	7532.60778	2062236654	28138.776	3030.21128	153838.0287	10.07359	9.358	1.02E-02	9.68E-04	2.65E-02	2.11E-02	1.49E-03	7.78E-02	2.13E-03	2.03E-03	1.424AE-01			
551675.71	4172979.79	162159.8003	12768.4889	92013.40991	109801.7517	5390.99485	55738.82372	1.82854	1.79056	4.41E-02	1.64E-03	1.18E-02	8.21E-02	2.66E-03	2.75E-02	3.93E-04	3.89E-04	1.709BE-01			
551712.2	4172884.49	165268.4298	68004.35221	17602.87393	149740.922	2331273189	11949.21134	1.23715	1.21536	4.52E-02	8.74E-03	2.26E-03	1.12E-01	1.15E-02	5.89E-03	2.66E-04	2.64E-04	1.863ZE-01			
551685.71	4173009.79	64218.38594	8944.40588	1974513.358	46726.02408	3814.25994	110779.0608	1.80169	1.7664	1.75E-02	1.15E-03	2.54E-02	3.42E-02	1.88E-03	5.42E-02	3.87E-04	3.84E-04	1.359TE-01			
551675.71	4173009.79	88625.90725	9264.13272	187745.3304	48700.14869	3950.80231	111503.4525	2.01526	1.97204	1.88E-02	1.19E03	2.41E-02	3.65E-02	1.95E03	5.49E-02	4.33E-04	4.28E-04	1.383IE-01			
551695.71	4173009.79	59466.00999	8619.92017	204636.9623	44260.2169	3667.98007	106248.9377	1.62758	1.5981	1.62E-02	1.11E03	2.63E-02	3.32E-02	1.81E03	5.23E-02	3.50E-04	3.47E-04	1.316TE-01			
551645.71	4173019.79	60214.16702	9011.55855	1832268921	41387.11431	3773.38878	122118.9509	3.32772	3.20695	1.65E-02	1.16E03	2.35E-02	3.32E-02	1.86E03	6.02E-02	7.13E-04	6.96E-04	1.350OE-01			
551705.71	4173009.79	54605.56184	8289.38384	2072009853	41490.32125	3514.35568	101508.2559	1.48262	1.45756	1.49E-02	1.06E03	2.66E-02	3.11E-02	1.73E03	5.00E-02	3.18E-04	3.17E-04	1.260BE-01			
551665.71	4173009.79	71708.85483	9486.06004	1730786649	49460.04291	4034.47359	108346.1555	2.27232	2.21834	1.96E-02	1.22E03	2.22E-02	3.71E-02	1.99E03	5.34E-02	4.88E-04	4.82E-04	1.364GE-01			
551625.71	4173029.79	50578.7694	8567.80079	1828334348	35497.4435	3483.79303	124968.4902	6.13575	5.78809	1.38E-02	1.10E03	2.35E-02	2.66E-02	1.72E03	6.16E-02	1.32E-03	1.26E-03	1.308TE-01			
551615.71	4173039.79	42087.14385	7982.66738	1875671425	30792.74309	3190.90016	132074.2347	10.36607	9.57798	1.15E-02	1.03E03	2.41E-02	2.31E-02	1.57E03	6.51E-02	2.23E-03	2.08E-03	1.306SE-01			
551665.71	4172989.79	128009.2193	11675.76594	109272.4101	80797.2279	4947.84908	68738.64621	2.3082	2.05931	3.50E-02	1.50E03	1.40E-02	6.06E-02	2.44E03	3.39E-02	4.53E-04	4.47E-04	1.482SE-01			
551655.71	4172989.79	134470.2107	11894.25496	103328.7789	79913.01244	5017.34418	67681.17338	2.38695	2.32351	3.67E-02	1.53E03	1.33E-02	5.96E-02	2.47E03	3.33E-02	5.13E-04	5.05E-04	1.479BE-01			
551675.71	4172989.79	120464.8961	11381.97574	114522.3902	81230.41222	4826.67691	68558.52036	1.88415	1.84459	3.29E-02	1.46E03	1.47E-02	6.09E-02	2.38E03	3.38E-02	4.09E-04	4.01E-04	1.469AE-01			
551645.71	4172989.79	141511.7891	12092.60644	97245.18085	78093.39653	5053.57353	65764.05484	2.77563	2.68422	3.87E-02	1.55E03	1.25E-02	5.85E-02	2.49E03	3.24E-02	5.96E-04	5.83E-04	1.473ZE-01			
551655.71	4173009.79	74593.26599	9667.38109	1583865582	49665.79449	4087.36134	103108.1444	2.63466	2.53901	2.06E-02	1.24E03	2.03E-02	3.72E-02	2.01E03	5.08E-02	5.62E-04	5.51E-04	1.331IE-01			
551675.71	4172999.79	90242.23625	10238.64276	1455820682	61901.64228	4355.99306	86314.34882	1.94696	1.90564	2.47E-02	1.32E03	1.87E-02	4.66E-02	2.15E03	4.25E-02	4.18E-04	4.14E-04	1.365BE-01			
551715.71	4173009.79	49798.53824	7953.58298	2019906482	38532.15788	3356.2149	96155.65974	1.33978	1.33838	1.36E-02	1.02E03	2.59E-02	2.89E-02	1.65E03	4.74E-02	2.92E-04	2.91E-04	1.190TE-01			
551685.71	4172999.79	83637.38129	9887.01454	1523902136	59764.34997	4201.78473	84727.08589	1.74756	1.71368	2.29E-02	1.27E03	1.96E-02	4.48E-02	2.07E03	4.17E-02	3.75E-04	3.72E-04	1.330IE-01			
551722.2	4172894.49	156735.2789	47006.82916	38975.56886	143662.3947	16577.69229	12688.90847	1.13941	1.12127	4.28E-02	6.04E03	2.44E-03	1.06E-01	8.17E03	6.25E-03	2.43E-04	2.44E-04	1.724IE-01			
551665.71	4172999.79	94432.97624	10481.08124	1362147331	62163.04664	4451.31301	85311.49208	2.1853	2.13403	2.58E-02	1.35E03	1.75E-02	4.66E-02	2.19E03	4.20E-02	4.69E-04	4.63E04	1.364OE-01			
551635.71	4173019.79	61813.09192	9152.43769	1640849732	41294.40371	3782.41134	111544.7834	4.16114	3.9777	1.69E-02	1.18E03	2.11E-02	3.10E-02	1.86E03	5.49E-02	8.94E-04	8.64E-04	1.286TE-01			
551610.46	4173044.8	38689.60886	7712.48107	1804549816	28886.70975	3054.74292	131102.7285	14.72421	13.45634	1.06E-02	9.91E04	2.32E-02	2.36E-02	1.50E03	6.46E-02	3.18E03	2.92E03	1.285AE-01			
551685.71	4172989.79	109905.0411	11038.15125	1186144131	78495.1034	4661.36098	67107.3165	1.69806	1.66634	3.00E-02	1.42E03	1.52E-02	5.88E-02	2.30E03	3.31E-02	3.69E-04	3.62E-04	1.416LE-01			
551695.71	4172999.79	77095.75356	9531.51998	1577908114	56872.46025	4037.3854	81905.75945	1.58418	1.55572	2.11E-02	1.22E03	2.03E-02	4.35E-02	1.99E03	4.03E-02	3.40E-04	3.38E-04	1.282AE-01			
551645.71	4173009.79	78212.29441	9886.36457	1458975007	49948.33726	4139.37004	97758.90242	2.1904	2.00866	2.14E-02	1.27E03	1.87E-02	4.04E-02	2.04E03	4.82E-02	6.70E-04	6.53E-04	1.303EE-01			
551655.71	4172999.79	98445.96215	10666.47257	1265222917	61766.54252	4505.80055	82660.41839	2.48993	2.42071	2.69E-02	1.37E03	1.63E-02	4.68E-02	2.22E03	4.07E-02	5.35E-04	5.26E-04	1.348SE-01			
551722.2	4172884.49	137783.8707	65150.21003	16616.0102	128391.8104	215612506	11355.57449	1.14794	1.12935	3.76E-02	8.37E03	2.13E-03	9.63E-02	1.06E02	5.59E03	2.47E04	2.45E04	1.611IE-01			
551645.71	4173099.79	104106.8183	10877.69181	1177608669	61420.05456	4551.58922	79418.30007	2.93132	2.83096	2.84E-02	1.40E03	1.51E-02	4.60E-02	2.24E03	3.91E-02	6.30E-04	6.15E-04	1.336IE-01			
551705.71	4172999.79	70495.26045	9159.60361	1608631584	53377.28909	3861.58444	78394.84676	1.44691	1.42264	1.91E-02	1.18E03	2.07E-02	4.00E-02	1.90E03	3.86E-02	3.11E-04	3.09E-04	1.226EE-01			
551695.71	4172989.79	99836.23491	10621.55408	1213134271	74955.26008	4473.0236	64804.3384	1.54496	1.51739	2.73E-02	1.36E03	1.56E-02	5.62E-02	2.20E03	3.19E-02	3.32E-04	3.30E-04	1.352IE-01			
551635.71	4172999.79	110230.8142	11077.72551	1089993566	60731.37834	4569.8211	75358.71399	1.57762	1.54277	3.01E-02	1.42E03	1.40E-02	4.55E-02	2.25E03	3.71E-02	7.68E-04	7.44E-04	1.319EE-01			
551725.71	4173009.79	45428.79407	7615.57704	1867062609	35891.66421	3196.81752	89570.22159	1.25419	1.23537	1.34E-02	9.78E04	2.40E-02	2.69E-02	1.57E03	4.41E-02	2.69E04	2.68E04	1.105ZE-01			
551635.71	4173009.79	80838.2711	10034.60745	1324718329	49462.47796	4144.2356	90961.59313	3.84617	3.68046	2.21E-02	1.29E03	1.70E-02	3.71E-02	2.04E03	4.48E-02	8.26E04	7.99E04	1.259SE-01			
551625.71	4173019.79	69730.27612	9322.93234	1468102696	41389.4828	3787.06642	102493.888	5.50514	5.20192	1.74E-02	1.20E03	1.89E-02	3.30E-02	1.87E03	5.00E-02	1.18E03	1.13E03	1.226BE-01			
551615.71	4173029.79	51255.1163	8671.69587	1570222559	35426.46102	3458.84966	108814.4241	8.96421	8.29976	1.40E-02	1.11E03	2.02E-02	2.66E-02	1.70E03	5.36E-02	1.93E03	1.80E03	1.208BE-01			
551705.71	4172989.79	91612.1882	10202.10166	121883.331	72382.25206	4271.66411	62075.86383	1.43476	1.39138	2.56E-02	1.31E03	1.57E-02	5.41E-02	2.10E03	3.04E-04	3.04E-04	3.02E-04	1.303OE-01			
551625.71	4172999.79	115221.7323	11249.00376	99959.22943	59791.13006	4552.29113	70492.88815	4.55457	4.31878	3.15E-02	1.45E03	1.28E-02	4.48E-02	2.24E03	3.47E-02	9.78E04	9.38E04	1.294BE-01			
551715.71	4172999.79	64213.86359	8778.22331	1588511521	49066.73146	3680.57428	74476.55536	1.32994	1.30898	1.75E-02	1.13E03	2.04E-02	3.72E-02	1.81E03	3.67E-02	2.88E04	2.84E04	1.153BE-01			
551608.32	4173037.65	44145.62875	8197.05485	1577423687	31729.1204	3225.12308	111066.8474	14.82875	13.44281	1.21E-02	1.05E03	2.03E-02	2.38E-02	1.59E03	5.47E-02	3.18E03	2.92E03	1.196OE-01			
551625.71	4173009.79	88839.73653	10205.16306	1199244921	49361.59552	4139.02705	83976.01236	4.98615	4.71941	2.29E-02	1.31E03	1.54E-02	3.69E-02	2.04E03	4.14E-02	1.07E03	1.02E03	1.219BE-01			
551716.52	4172982.41	104838.9173	10568.91049	96661.76002	83798.53906	4364.82472	50383.23063	1.27632	1.25649	2.86E-02	1.36E03	1.24E-02	6.28E-02	2.15E03	2.47E-02	2.74E04	2.73E04	1.326EE-01			
551615.71	4172999.79	118502.258	11430.35248	904443.4538	59170.42038	4513.84244	65028.87519	6.15861	5.75187	3.24E-02	1.47E03	1.16E-02	4.44E-02	2.22E03	3.20E-02	1.32E03	1.25E03	1.266EE-01			
551729.68	4173892.53	132787.3141	46739.68208	17824.32827	122599.3444	1641381134	11963.82411	1.08572	1.06525	3.63E-02	6.00E03	2.29E-03	9.35E-02	8.09E03	5.89E-03	2.32E04	2.31E04	1.509IE-01			
551715.71	4172889.79	85989.98416	9765.70364	1192063137	67208.35237	4063.41233	59092.08959	1.30816	1.28275	2.35E-02	1.25E03	1.53E-02	5.04E-02	2.00E03	2.91E-02	2.80E04	2.79E04	1.221EE-01			
551730.52	4173878.4	111792.0564	73750.41794	14501.13837	108531.262	24038.83362	10014.12522	1.08778	1.07073	3.05E-02	9.47E03	1.86E-03	8.34E-02	1.18E02	4.93E03	2.34E04	2.33E04	1.404BE-01			
551615.71	4173019.79	64604.3152	9445.86288	1286302081	41397.84301	3758.29403	90489.08323	7.81138	7.25133	1.77E-02	1.21E03	1.65E-02	3.09E-02	1.85E03	4.46E-02	1.68E03	1.58E03	1.159EE-01			
551615.71	4173009.79	86014.5319	10166.68966	1070660435	48887.18854	4110.70841	76354.16704	6.93008	6.43366	2.35E-02	1.33E03	1.38E-02	3.67E-02	2.02E03	3.76E-02	1.48E03	1.40E03	1.177EE-01			
551725.71	4173997.1	62500.3084	8635.09324	1389766164	49335.07612	3592.25387	65803.8558	1.22312	1.20495	1.71E-02	1.11E03	1.79E-02	3.70E-02	1.77E03	3.24E-02	2.63E04	2.62E04	1.077EE-01			
551723.2	4172987.32	85178.78781	9693.0135	1067133872	67467.98261	4005.81812	53725.81145	1.22395	1.20561	2.31E-02	1.25E03	1.37E-02	5.06E-02	1.97E03	2.65E-02	2.63E04	2.62E04	1.177TE-01			
551733.88	4172886.73	115948.4827	53862.07084	16061.07317	109638.2108	18415.17056	10896.2038	1.05416	1.03832	3.17E-02	6.91E03	2.06E-03	8.22E-02	9.07E03	5.42E03	2.26E04	2.26E04	1.378OE-01			
551605.71	4173029.79	51643.8974	8761.58052	1305614882	35305.54058	3417.79965	92720.94869	14.91173	13.42829	1.41E-02	1.13E03	1.68E-02	2.65E-02	1.68E03	4.57E-02	3.20E03	2.92E03	1.119EE-01			
551605.71	4173009.79	86685.59236	10439.06952	93908.72907	48345.88038	4033.7771	68061.28804	10.47246	9.5061	2.31E-02	1.34E03	1.21E-02	3.61E-02	1.99E03	3.35E-02	2.25E03	2.06E03	1.124TE-01			
551605.71	4173019.79	64522.09522	9539.8121	1101568808	40789.37285	3698.80457	79041.25744	12.31389	11.13311	1.76E-02	1.22E03	1.42E-02	3.06E-02	1.82E03	3.89E-02	2.64E03	2.42E03	1.094IE-01			
CONCUNIT ug/m^3																					
DEPUNIT g/m^3	2																				

Construction Health Risk Assessment Files

Scenario 7

Midway Village Project—New Phase 3 Receptors Scenario

			Route 1 - From the project site towards US-101		
Summary Offsite Construction Emissions (No Mitigation)			Route 2 - From US-101 towards the project site		
Total Average Offsite Vehicle Emissions Along Travel Distance (g/sec)					
DPM			**DPM**		
Road Segment 1 Phase 4—Demolition		3.08140E-07	Road Segment 1 Phase 4—Demolition		1.52163E-05
Road Segment 2 Phase 4—Demolition		4.51022E-07	Road Segment 2 Phase 4—Demolition		1.53864E-05
Road Segment 1 Phase 4—Construction		2.28605E-06	Road Segment 1 Phase 4—Construction		9.18916E-05
Road Segment 2 Phase 4—Construction		2.74541E-06	Road Segment 2 Phase 4—Construction		9.29187E-05
Scenario					
New Phase 2 Receptors: Exposed to Phases 4 Demolition and Phases 4 Construction	Road Segment 1	2.59419E-06		Road Segment 1	1.07108E-04
	Road Segment 2	3.19643E-06		Road Segment 2	1.08305E-04

Cancer Risk Calculations Using OEHHA/BAAQMD Cancer Risk Assumptions
Midway Village Project—New Phase 3 Receptors Scenario
Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Infant
UTM: 551653.5 4172854.72

Cancer Potency Factor: 1.1 $(mg/kg\text{-}day)^{-1}$
Exposure Frequency 350 days/year
Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Age	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
3rd Trimester	0.181410063	10	361	1	0.25	2.5
0-1	0.181410063	10	1,090	1	0.93	27.7
				Total		30.12

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
3rd Trimester	0.015719565	10	361	1	0.25	0.2
0-1	0.015719565	10	1,090	1	0.93	2.4
				Total		2.61

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Child
UTM: 551653.5 4172854.72

Cancer Potency Factor: 1.1 $(mg/kg\text{-}day)^{-1}$
Exposure Frequency 350 days/year
Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Construction Period	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
All Phases	0.181410063	3	572	1	1.18	5.5
				Total		5.53

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Construction Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
All Phases	0.015719565	3	572	1	1.18	0.5
				Total		0.48

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Adult
UTM: 551653.5 4172854.72

Cancer Potency Factor: 1.1 $(mg/kg\text{-}day)^{-1}$
Exposure Frequency 350 days/year
Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Unmitigated

Construction Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
All Phases	0.181410063	1	261	0.73	1.18	0.6
				Total		0.61

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Construction Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
All Phases	0.015719565	1	261	0.73	1.18	0.1
				Total		0.053

Midway Village Project—New Phase 3 Receptors Scenario

Estimates of Chronic Non-Cancer Hazard Index (CNCHI)

Unmitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM: 5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
551653.5	4172854.72	0.1814	0.1814	0.03628

Unmitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
551653.5	4172854.72	0.2328	0.2328

Mitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM: 5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
551653.5	4172854.72	0.0157	0.0157	0.00314

Mitigated

Annual PM2.5 Total (Exhaust + Fugitive Dust)

X (m)	Y (m)	Average PM2.5 Total (ug/m3)	Max PM2.5 (ug/m3)
551653.5	4172854.72	0.0671	0.0671

Midway Village Project—New Phase 3 Receptors Scenario

New Phase 3 Receptors: Exposed to Phases 4 Demolition and Phases 4 Construction
Construction Annual DPM Emissions (PM2.5 Exhaust)

Unmitigated Concentrations

Annual Average Onsite DPM Rate—Demolition Area 4A (Part 1 of 2 Phase 4) (grams/m2/sec):	8.02E-07
Annual Average Onsite DPM Rate—Demolition Area 4A (Part 2 of 2 Phase 4 – Phase 4/5) (grams/m2/sec):	8.02E-07
Annual Average Onsite DPM Rate—Construction Area 4B and Area 2B/4B (Phase 4) (grams/m2/sec):	3.68E-07
Annual Average Onsite DPM Rate—Construction Area 4B (Phase 4/5) (grams/m2/sec):	3.68E-07
Annual Average Offsite DPM Emission Rate - Road Segment 1 (grams/sec):	2.59E-06
Annual Average Offsite DPM Emission Rate - Road Segment 2 (grams/sec):	3.20E-06

Unmitigated DPM Concentrations

Maximum DPM (ug/m3)	MIR UTM X	MIR UTM Y
1.814 1E-01	551653.5	4172854.72

UTM 55 1653.50 4172854.72
Latitude, Longitude 37°42'05.3"N 122°24'50.6"W

		Unit Emissions	Unit Emissions	Unit Emissions	Unit Emissions	Unit Emissions	Unit Emissions	Construction Area 4B and Area 2B/4B (Phase 4)	Construction Area 4B (Phase 4/5)	Demolition Area 4A (Part 1 of 2 Phase 4)	Demolition Area 4A (Part 2 of 2 Phase 4 – Phase 4/5)	Route 1 - From the project site towards US-101	Route 2 - From US-101 towards the project site	Total
		Construction Area 4B and Area 2B/4B (Phase 4)	Construction Area 4B (Phase 4/5)	Demolition Area 4A (Part 1 of 2 Phase 4)	Demolition Area 4A (Part 2 of 2 Phase 4 – Phase 4/5)	Route 1 - From the project site towards US-101	Route 2 - From US-101 towards the project site	Annual DPM Exhaust	Annual DPM Exhaust	Annual DPM Exhaust	Annual DPM Exhaust	Annual DPM Exhaust	Annual DPM Exhaust	
X	Y	AREA6	AREA7	AREA12	AREA13	LINE1	LINE2	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	DPM (ug/m3)
55165.3.5	4172854.72	171160.9474	15302.62024	75631.6828	10789.81499	2.55867	2.45464	1.37E-01	1.23E-02	2.78E-02	3.97E-03	6.64E-06	7.85E-06	1.8141E-01
55164.2.42	4172857.32	168854.3696	15857.9813	75461.88347	11280.28439	2.82339	2.70983	1.35E-01	1.27E-02	2.04E-02	4.15E-03	7.32E-06	8.66E-06	1.7277E-01
55166.3.5	4172864.72	127140.9131	16558.28551	60112.09977	11531.02997	2.07301	2.00768	1.02E-01	1.33E-02	2.21E-02	4.24E-03	5.38E-06	6.42E-06	1.4166E-01
55162.3.5	4172864.72	150752.1953	17139.0347	73499.60394	12381.26081	3.15843	3.03992	1.21E-01	1.38E-02	1.23E-02	4.56E-03	8.19E-06	9.72E-06	1.5160E-01
55165.3.5	4172864.72	127122.9094	17034.3902	55744.65149	11961.10186	2.29772	2.22121	1.02E-01	1.37E-02	2.05E-02	4.40E-03	5.96E-06	7.10E-06	1.4058E-01
55163.3.5	4172864.72	142880.1694	17141.02108	63450.07879	12270.92691	2.85825	2.7531	1.15E-01	1.38E-02	1.45E-02	4.51E-03	7.41E-06	8.80E-06	1.4743E-01
55164.3.5	4172864.72	132824.8506	17179.04991	47329.55784	12177.13108	2.55946	2.46879	1.07E-01	1.38E-02	1.74E-02	4.48E-03	6.64E-06	7.89E-06	1.4226E-01
55163.28	4172867.43	143262.8036	17559.14543	27064.34328	12787.57987	3.39651	3.27143	1.15E-01	1.41E-02	9.96E-03	4.70E-03	8.81E-06	1.05E-05	1.4371E-01
55159.3.5	4172874.72	125142.3651	18022.09582	17273.91852	13333.44573	4.27246	4.09094	1.00E-01	1.45E-02	6.36E-03	4.91E-03	1.11E-05	1.31E-05	1.2615E-01
55160.3.5	4172874.72	121565.8542	18431.04637	20111.71631	13532.15084	3.68645	3.54328	9.75E-02	1.48E-02	7.40E-03	4.98E-03	9.56E-06	1.13E-05	1.2472E-01
55161.3.5	4172874.72	115392.7258	18749.63794	23515.78421	13650.02429	3.26337	3.14928	9.26E-02	1.50E-02	8.65E-03	5.02E-03	8.47E-06	1.01E-05	1.2131E-01
55162.3.5	4172874.72	108964.8526	18963.2319	27424.93765	13677.96604	2.92288	2.82576	8.74E-02	1.52E-02	1.01E-02	5.03E-03	7.58E-06	9.03E-06	1.1778E-01
55163.3.5	4172874.72	100308.2878	19277.3485	32898.00188	13755.45217	2.61213	2.52837	8.05E-02	1.55E-02	1.21E-02	5.06E-03	6.78E-06	8.08E-06	1.1312E-01
55166.3.5	4172874.72	93583.82466	18793.43592	40814.11138	13003.72674	1.94441	1.89083	7.51E-02	1.51E-02	1.50E-02	4.78E-03	5.04E-06	6.04E-06	1.0997E-01
55158.2.9	4172876.82	119202.6705	17717.11117	14284.83729	13210.92076	5.26122	4.99668	9.56E-02	1.42E-02	5.26E-03	4.48E-03	1.36E-05	1.60E-05	1.2000E-01
55165.3.5	4172874.72	92342.38448	19259.41152	38620.36698	13446.05582	2.14011	2.07782	7.41E-02	1.55E-02	1.42E-02	4.95E-03	5.55E-06	6.64E-06	1.0871E-01
55164.3.5	4172874.72	93314.35474	19532.01088	35815.45092	13767.61535	2.35828	2.28678	7.49E-02	1.57E-02	1.32E-02	5.07E-03	6.12E-06	7.31E-06	1.0879E-01
55169.3.5	4172974.72	12791.52317	84215.72722	5333.92456	47761.36029	1.52151	1.49419	1.03E-02	6.76E-02	1.96E-03	1.76E-02	3.95E-06	4.78E-06	9.7372E-02
55164.0.9	4172976.02	14392.86469	74546.30772	5956.74897	51264.08648	2.81444	2.71804	1.15E-02	5.98E-02	2.19E-03	1.89E-02	7.30E-06	8.69E-06	9.2424E-02
55162.0.9	4172984.07	13371.03228	74214.48559	5315.95984	53131.58901	4.51445	4.27162	1.07E-02	5.95E-02	1.96E-03	1.95E-02	1.17E-05	1.37E-05	9.1799E-02
551666.91	4172969.1	14951.79473	73025.47575	6289.01062	46369.51717	1.94843	1.90511	1.20E-02	5.86E-02	2.31E-03	1.71E-02	5.05E-06	6.09E-06	8.9969E-02
55159.3.5	4172884.72	90714.14235	19597.39115	14947.06603	14512.60282	4.30405	4.11621	7.28E-02	1.57E-02	5.50E-03	5.34E-03	1.12E-05	1.32E-05	9.9366E-02
55160.3.5	4172884.72	87377.67556	20181.88206	17189.08693	14822.41096	3.62927	3.49578	7.01E-02	1.62E-02	6.32E-03	5.45E-03	9.42E-06	1.12E-05	9.8093E-02
55163.3.5	4172974.72	14820.81442	69392.6607	6046.1339	49016.81233	3.19472	3.06791	1.19E-02	5.57E-02	2.22E-03	1.80E-02	8.29E-06	9.81E-06	8.7841E-02
55161.3.5	4172884.72	83088.70188	20723.27148	19938.53233	15077.33554	3.15506	3.0481	6.67E-02	1.66E-02	7.34E-03	5.55E-03	8.18E-06	9.74E-06	9.6189E-02
551705.66	4172972.34	12487.18069	77956.34108	5147.82632	43155.76243	1.36359	1.34107	1.00E-02	6.25E-02	1.89E-03	1.59E-02	3.54E-06	4.29E-06	9.0342E-02
55158.3.5	4172884.72	91591.03884	18972.30994	13121.20161	14153.76206	5.35955	5.07704	7.35E-02	1.52E-02	4.83E-03	5.21E-03	1.39E-05	1.62E-05	9.8769E-02
55162.3.5	4172884.72	77577.76606	21313.56729	23538.04772	15336.11353	2.77312	2.68734	6.22E-02	1.71E-02	8.66E-03	5.64E-03	7.19E-06	8.59E-06	9.3659E-02
55161.11.12	4172984.72	13483.81733	68168.28343	5201.94054	49887.6405	6.06349	5.64898	1.08E-02	5.47E-02	1.91E-03	1.84E-02	1.57E-05	1.81E-05	8.5812E-02
55167.3.5	4172884.72	70899.73649	20804.36417	28709.66638	14223.83968	1.70663	1.66727	5.69E-02	1.67E-02	1.06E-02	5.23E-03	4.43E-06	5.33E-06	8.9380E-02
55163.3.5	4172884.72	71660.57156	21930.32361	25056.30713	15570.6864	2.48654	2.41491	5.75E-02	1.76E-02	9.22E-03	5.73E-03	6.45E-06	7.72E-06	9.0049E-02
55166.3.5	4172884.72	69203.37071	21456.24079	28462.99091	14788.78893	1.86598	1.82035	5.55E-02	1.72E-02	1.05E-02	5.44E-03	4.84E-06	5.82E-06	8.8660E-02
55162.3.5	4172974.72	14865.96092	65502.86521	5920.95331	46934.49359	3.92941	3.73919	1.19E-02	5.26E-02	2.18E-03	1.73E-02	1.02E-05	1.20E-05	8.3949E-02
55165.3.5	4172884.72	68535.83538	21881.29455	27577.54444	15218.67153	2.04488	1.99207	5.50E-02	1.76E-02	1.01E-02	5.60E-03	5.30E-06	6.37E-06	8.8299E-02
55167.3.5	4172964.72	15650.48767	68160.17883	6557.12775	42486.31075	1.80014	1.76262	1.26E-02	5.47E-02	2.41E-03	1.56E-02	4.67E-06	5.63E-06	8.5296E-02
55164.3.5	4172884.72	68813.32009	22088.90226	26225.5143	15516.39209	2.24736	2.18636	5.52E-02	1.77E-02	9.65E-03	5.71E-03	5.83E-06	6.99E-06	8.8301E-02
55157.3.5	4172884.72	88882.8464	18248.41243	11548.4961	13702.1315	7.0875	6.62653	7.13E-02	1.46E-02	4.25E-03	5.04E-03	1.84E-05	2.12E-05	9.5281E-02
551601.77	4172988.4	12964.18533	65568.99829	4863.37565	48512.77567	8.99045	8.17545	1.04E-02	5.26E-02	1.79E-03	1.78E-02	2.33E-05	2.61E-05	8.2695E-02
55165.3.5	4172964.72	16325.57042	64933.92054	6826.90991	43425.45841	2.24557	2.1886	1.31E-02	5.21E-02	2.51E-03	1.60E-02	5.83E-06	7.00E-06	8.3696E-02
55168.3.5	4172964.72	15151.39145	68529.8599	6311.09683	41247.33254	1.63231	1.60096	1.22E-02	5.50E-02	2.32E-03	1.52E-02	4.23E-06	5.12E-06	8.4644E-02
55159.3.5	4172994.72	12159.06611	64530.09193	4460.35283	48234.39227	15.18407	13.34697	9.76E-03	5.18E-02	1.64E-03	1.77E-02	3.94E-05	4.27E-05	8.0997E-02
551665.23	4172962.34	16473.51325	64458.08407	6906.37397	41437.51083	1.94919	1.90559	1.32E-02	5.17E-02	2.54E-03	1.52E-02	5.06E-06	6.09E-06	8.2729E-02
55164.3.5	4172964.72	16643.45822	62018.37193	6883.28505	42897.52504	2.57386	2.49546	1.34E-02	4.98E-02	2.53E-03	1.58E-02	6.68E-06	7.98E-06	8.1440E-02
55169.3.5	4172964.72	14544.34106	67875.26586	6009.17789	39622.98207	1.48942	1.46284	1.17E-02	5.45E-02	2.21E-03	1.46E-02	3.86E-06	4.68E-06	8.2923E-02
55161.3.5	4172974.72	15018.38594	60632.73588	5794.28 03	44202.12131	5.07398	4.76931	1.20E-02	4.86E-02	2.13E-03	1.63E-02	1.32E-05	1.52E-05	7.9118E-02
55163.3.5	4172964.72	16789.72 793	59360.19719	6815.51137	41913.39179	3.02181	2.90986	1.35E-02	4.76E-02	2.51E-03	1.54E-02	7.84E-06	9.30E-06	7.9041E-02
55170.3.5	4172964.72	13876.99464	66108.74451	5683.29983	37795.87909	1.3671	1.3443	1.11E-02	5.30E-02	2.09E-03	1.39E-02	3.55E-06	4.30E-06	8.0177E-02
55156.3.5	4172884.72	81331.21369	17400.08346	10148.75781	13147.58305	10.1544	9.33204	6.53E-02	1.40E-02	3.73E-03	4.84E-03	2.63E-05	2.98E-05	8.7840E-02
55162.3.5	4172964.72	16832.20349	56494.46077	6655.05545	40552.362	3.65653	3.49081	1.35E-02	4.53E-02	2.45E-03	1.49E-02	9.49E-06	1.12E-05	7.6219E-02
55166.3.5	4172954.72	18297.49 108	56481.92473	7638.37494	36705.89292	1.94251	1.89896	1.47E-02	4.53E-02	2.81E-03	1.35E-02	5.04E-06	6.07E-06	7.6322E-02
55165.3.5	4172954.72	18614.88047	55368.97431	7748.45391	37095.26357	2.17125	2.11747	1.49E-02	4.44E-02	2.85E-03	1.36E-02	5.63E-06	6.77E-06	7.5869E-02
55167.3.5	4172954.72	17984.90156	56003.80219	7483.11687	35935.98543	1.75752	1.72136	1.49E-02	4.57E-02	2.75E-03	1.32E-02	4.57E-06	5.50E-06	7.6068E-02
55171.3.5	4172964.72	13230.82 234	63495.14909	5376.89536	36012.3334	1.26362	1.24379	1.06E-02	5.09E-02	1.98E-03	1.33E-02	3.28E-06	3.98E-06	7.6792E-02
55159.3.5	4172984.72	13527.16667	57009.60627	4894.32626	42609.58071	12.54757	11.15318	1.09E-02	4.57E-02	1.80E-03	1.57E-02	3.26E-05	3.57E-05	7.4138E-02
55160.3.5	4172974.72	15068.40732	55787.50582	5599.73285	41180.41703	6.95725	6.42483	1.21E-02	4.48E-02	2.06E-03	1.52E-02	1.80E-05	2.05E-05	7.4098E-02
55164.3.5	4172894.72	54547.4662	24657.71066	21005.1451	17267.26105	2.20303	2.14636	4.38E-02	1.98E-02	7.73E-03	6.35E-03	5.72E-06	6.86E-06	7.7640E-02
55165.3.5	4172894.72	54200.33522	24532.22031	21728.06478	16988.72198	2.00346	1.95497	4.35E-02	1.97E-02	7.99E-03	6.25E-03	5.20E-06	6.25E-06	7.7423E-02
55161.3.5	4172894.72	59475.30112	23407.76381	17308.03817	17021.27063	3.12234	3.01302	4.77E-02	1.88E-02	6.37E-03	6.26E-03	8.10E-06	9.63E-06	7.9145E-02
55166.3.5	4172894.72	54394.89596	24145.24155	22092.46377	16552.35664	1.82884	1.78675	4.36E-02	1.94E-02	8.13E-03	6.09E-03	4.74E-06	5.71E-06	7.7241E-02
55164.3.5	4172954.72	18959.40762	53348.37735	7803.83567	36894.24374	2.46638	2.39801	1.52E-02	4.28E-02	2.87E-03	1.36E-02	7.66E-06	6.40E-06	7.4472E-02
55162.3.5	4172894.72	56732.85613	24189.8831	18649.86581	17335.62856	2.72576	2.64394	4.55E-02	1.94E-02	6.86E-03	6.38E-03	7.07E-06	8.45E-06	7.8179E-02
55160.3.5	4172894.72	62461.94375	22488.11226	15370.8409	16506.4076	3.67038	3.51946	5.01E-02	1.80E-02	5.66E-03	6.07E-03	9.52E-06	1.12E-05	7.9904E-02
55163.3.5	4172894.72	54918.40523	24628.39382	19775.59363	17444.85857	2.43708	2.37045	4.41E-02	1.98E-02	7.28E-03	6.42E-03	6.32E-06	7.58E-06	7.7528E-02
55167.3.5	4172894.72	55237.53782	23415.6254	21153.84094	15895.66359	1.67563	1.61942	4.43E-02	1.88E-02	7.74E-03	6.15E-03	5.85E-06	7.24E-06	7.7113E-02
55168.3.5	4172954.72	17465.01188	56722.35553	7210.87 32	34800.57638	1.59959	1.56908	1.40E-02	4.55E-02	2.65E-03	1.28E-02	4.15E-06	5.02E-06	7.4986E-02
55159.3.5	4172894.72	64394.68878	21603.40669	13358.76226	16003.87232	4.46657	4.24991	5.17E-02	1.73E-02	4.92E-03	5.89E-03	1.16E-05	1.36E-05	7.9824E-02
55163.3.5	4172964.72	16918.4115	53006.94638	6460.71617	38606.33441	4.61831	4.36082	1.36E-02	4.25E-02	2.38E-03	1.42E-02	1.20E-05	1.39E-05	7.2708E-02
55163.3.5	4172954.72	19173.69 788	51283.34111	7730.08 52	36189.65017	2.86704	2.76846	1.54E-02	4.11E-02	2.84E-03	1.33E-02	8.85E-06	7.44E-06	7.2703E-02
55169.3.5	4172954.72	16819.44 461	55796.79203	6876.77345	33419.71801	1.46478	1.43874	1.35E-02	4.48E-02	2.53E-03	1.23E-02	3.80E-06	4.60E-06	7.3094E-02
55158.3.5	4172894.72	63972.95 969	20819.13341	11893.885 81	15540.062 81	5.71225	5.37862	5.13E-02	1.67E-02	4.38E-03	5.72E-03	1.48E-05	1.72E-05	7.8154E-02
55162.3.5	4172954.72	19246.03 261	49082.84487	7533.19635	35218.58148	3.41918	3.27583	1.54E-02	3.94E-02	2.77E-03	1.30E-02	8.87E-06	1.05E-05	7.0569E-02
55157.09	4172888.91	70963.19973	17257.61542	8944.0797	33100.645 37	14.86924	13.40419	5.66E-02	1.38E-02	3.29E-03	4.82E-03	3.86E-05	4.28E-05	7.9650E-02
55165.3.5	4172944.72	21542.628 3	47379.48934	8914.88491	32002.9712	2.11047	2.05936	1.73E-02	3.80E-02	3.28E-03	1.18E-02	5.47E-06	6.58E-06	7.0363E-02
55166.3.5	4172944.72	21252.95 541	48013.65674	8816.25869	31535.96425	1.89727	1.85537	1.71E-02	3.85E-02	3.24E-03	1.16E-02	4.92E-06	5.93E-06	7.0430E-02
55164.3.5	4172944.72	21748.406 6	46371.53521	8893.43979	32085.21655	2.37391	2.31007	1.74E-02	3.72E-02	3.27E-03	1.18E-02	6.16E-06	7.38E-06	6.9743E-02
55159.3.5	4172974.72	15129.2 81	50630.82652	5385.14945	37814.135 5	10.50454	9.44357	1.21E-02	4.06E-02	1.98E-03	1.39E-02	2.73E-05	3.02E-05	6.8711E-02
55157.3.5	4172894.72	63700.89773	19800.10265	10439.90412	14887.9302	7.84232	7.27694	5.11E-02	1.59E-02	3.84E-03	5.48E-03	2.03E-05	2.33E-05	7.6355E-02
55160.3.5	4172964.72	17029.43932	49091.0022	6232.05275	36220.26086	6.17551	5.741	1.37E-02	3.94E-02	2.29E-03	1.33E-02	1.60E-05	1.84E-05	6.8702E-02
55170.3.5	4172954.72	16010.31 755	54042.01896	6481.0525 2	31866.42428	1.34684	1.32441	1.28E-02	4.34E-02	2.38E-03	1.17E-02	3.49E-06	4.23E-06	7.0319E-02
55164.3.5	4172904.72	44265.11817	27574.02351	17286.54718	19253.9261 2	2.19276	2.13775	3.55E-02	2.21E-02	6.36E-03	7.08E-03	5.69E-06	6.83E-06	7.1093E-02
55167.3.5	4172944.72	20864.65 701	48087.44327	8611.71376	30746.38301	1.72071	1.68561	1.67E-02	3.86E-02	3.17E-03	1.13E-02	4.46E-06	5.39E-06	6.9811E-02
55165.3.5	4172904.72	43857.93045	27576.78927	17643.82598	19010.78276	1.99027	1.94376	3.52E-02	2.21E-02	6.49E-03	6.99E-03	5.16E-06	6.21E-06	7.0809E-02
55163.3.5	4172904.72	44381.83343	27442.1568	16456.16468	19407.89057	2.43616	2.37031	3.56E-02	2.20E-02	6.05E-03	7.14E-03	6.32E-06	7.58E-06	7.0833E-02
55166.3.5	4172904.72	43700.56827	27284.84591	17715.0857 6	18594.02186	1.81422	1.77409	3.51E-02	2.19E-02	6.52E-03	6.84E-03	4.71E-06	5.67E-06	7.0321E-02
55162.3.5	4172904.72	45109.45182	26924.50445	15568.80196	19282.28546	2.74376	2.65888	3.62E-02	2.16E-02	5.73E-03	7.09E-03	7.12E-06	8.50E-06	7.0631E-02
55161.3.5	4172954.72	19305.4509	46476.60903	7268.71464	33826.49705	4.23937	4.02069	1.55E-02	3.73E-02	2.67E-03	1.24E-02	1.10E-05	1.29E-05	6.7921E-02
55167.3.5	4172904.72	43922.37097	26555.10037	17613.30733	17893.69234	1.66243	1.62763	3.52E-02	2.13E-02	6.48E-03	6.58E-03	4.31E-06	5.20E-06	6.9617E-02
55168.3.5	4172944.72	20338.96979	47544.46999	8312.93783	29705.20284	1.57153	1.54176	1.63E-02	3.81E-02	3.06E-03	1.09E-02	4.08E-06	4.93E-06	6.8459E-02
55161.3.5	4172904.72	45375.01449	26311.63112	14360.18702	19057.22341	3.16912	3.05352	3.64E-02	2.11E-02	5.28E-03	7.01E-03	8.22E-06	9.76E-06	6.9827E-02
55156.3.5	4172894.72	61620.242 1	18765.87239	9244.38168	14202.08298	11.82169	10.74312	4.94E-02	1.51E-02	3.40E-03	5.23E-03	3.07E-05	3.43E-05	7.3185E-02
55164.3.5	4172914.72	36364.18731	31050.19873	14396.55151	21622.848 36	2.20982	2.15433	2.92E-02	2.49E-02	5.30E-03	7.96E-03	5.73E-06	6.89E-06	6.7351E-02
55165.3.5	4172914.72	36053.87038	31177.29543	14598.01891	21396.65792	1.99891	1.95281	2.89E-02	2.50E-02	5.37E-03	7.87E-03	5.19E-06	6.24E-06	6.7194E-02
55171.3.5	4172954.72	15171.07571	51619.95857	6091.0015 1	30301.04388	1.24515	1.21564	1.22E-02	4.14E-02	2.24E-03	1.11E-02	3.23E-06	3.92E-06	6.6983E-02
55160.3.5	4172904.72	45811.46159	25451.01396	13128.26882	18627.23408	3.77892	3.61694	3.68E-02	2.04E-02	4.83E-03	6.85E-03	9.80E-06	1.16E-05	6.8879E-02
55163.3.5	4172914.72	36758.71256	30611.90687	13968.83252	21629.89001	2.46664	2.39886	2.95E-02	2.46E-02	5.14E-03	7.96E-03	6.40E-06	7.67E-06	6.7163E-02
55169.3.5	4172944.72	19553.04413	46461.08864	7896.99101	28469.62357	1.44134	1.41579	1.57E-02	3.73E-02	2.91E-03	1.05E-02	3.74E-06	4.53E-06	6.6351E-02
55166.3.5	4172914.72	35753.77328	31012.38721	14542.79504	21001.90745	1.81713	1.77763	2.87E-02	2.49E-02	5.35E-03	7.73E-03	4.71E-06	5.68E-06	6.6654E-02
55164.3.5	4172924.72	30229.74049	35235.86818	12120.01567	24475.84443	2.24992	2.19276	2.43E-02	2.83E-02	4.46E-03	9.01E-03	5.84E-06	7.01E-06	6.6000E-02
55165.3.5	4172924.72	30011.30947	35523.93083	12242.44561	24275.47351	2.02517	1.97774	2.41E-02	2.85E-02	4.50E-03	8.93E-03	5.25E-06	6.32E-06	6.6026E-02
55167.3.5	4172934.72	24629.15947	40746.89545	10080.64495	26579.87889	1.69321	1.65887	1.98E-02	3.27E-02	3.71E-03	9.78E-03	4.39E-06	5.30E-06	6.5949E-02
55162.3.5	4172914.72	37027.11555	29960.19141	13279.646 46	21456.994 15	2.80761	2.7152	2.97E-02	2.40E-02	4.89E-03	7.89E-03	7.28E-06	8.68E-06	6.6504E-02
55159.3.5	4172964.72	17120.89811	44976.9681	5966.35494	33558.445 52	9.00184	8.17679	1.37E-02	3.61E-02	2.20E-03	1.23E-02	2.34E-05	2.61E-05	6.4413E-02
55163.3.5	4172924.72	30581.27484	34513.93429	11866.165 81	24364.461 27	2.52659	2.45374	2.45E-02	2.77E-02	4.37E-03	8.96E-03	6.55E-06	7.84E-06	6.5570E-02
55159.3.5	4172904.72	46589.74581	24242.24192	11949.64997	17978.14302	4.70052	4.46125	3.74E-02	1.94E-02	4.40E-03	6.61E-03	1.22E-05	1.43E-05	6.7866E-02
55167.3.5	4172914.72	35533.56535	30427.99527	14310.09488	20356.255 25	1.66143	1.62746	2.85E-02	2.44E-02	5.27E-03	7.49E-03	4.31E-06	5.20E-06	6.5685E-02
55162.2.9	4172933.22	26500.07496	37205.44848	9995.03912	26673.331 52	3.05177	2.93795	2.13E-02	2.98E-02	3.68E-03	9.81E-03	7.92E-06	9.39E-06	6.4619E-02

Construction Health Risk Assessment Files

551583.5	4172974.72	15215.70527	45306.02414	5161.27058	34202.41097	10.2383	15.92042
551623.5	4172924.72	30814.1729	33560.63982	11400.41201	24041.08228	2.90963	2.80798
551613.5	4172914.72	36918.90984	29190.86961	12350.36289	21154.94398	3.28656	3.15856
551683.5	4172934.72	24118.24193	39912.92799	9752.63749	25626.18436	1.5507	1.52132
551613.5	4172934.72	25733.54833	36602.89242	9296.2328	26563.41842	3.65913	3.49648
551703.5	4172944.72	18666.23014	44848.45259	7457.40954	27158.52808	1.32947	1.30733
551583.5	4172904.72	47114.80666	22981.7269	10776.85433	17161.31528	6.16387	5.78073
551613.5	4172924.72	30562.37752	32592.47464	10679.91077	23635.55231	3.4494	3.30659
551603.5	4172914.72	36974.9867	28118.70974	11406.8094	20600.21837	3.98333	3.80014
551693.5	4172934.72	23199.01526	39227.21351	9247.46214	24540.81947	1.42572	1.4004
551573.5	4172904.72	47514.05616	21603.54351	9559.63921	16264.66762	8.81095	8.10682
551603.5	4172934.72	25781.70884	34791.80277	8770.88289	25550.11677	4.58612	4.33962
551603.5	4172924.72	30489.79715	31249.90199	9953.78026	22917.51904	4.24686	4.03636
551583.5	4172964.72	17219.35975	40724.16157	5682.65732	30691.18499	14.94659	13.17522
551593.5	4172914.72	37184.95109	26790.78566	10476.66281	19823.98708	5.04947	4.77032
551713.5	4172944.72	17693.67076	42816.79625	7012.80148	25849.673	1.23208	1.21274
551593.5	4172944.72	22380.40935	36158.95567	7373.58993	26889.84933	6.85142	6.34261
551703.5	4172934.72	22064.98625	37750.81716	8688.12201	23387.92505	1.3162	1.29421
551593.5	4172924.72	30683.09016	29560.61432	9254.31147	21903.90247	5.50529	5.17249
551563.5	4172904.72	47213.67567	20250.6411	8439.47155	15353.86378	14.13547	12.68789
551593.5	4172934.72	25932.42313	32687.15312	8228.36231	24260.79135	6.08874	5.68335
551583.5	4172914.72	37228.88631	25247.46802	9544.74597	18926.91392	6.78479	6.32414
551703.5	4172924.72	26569.91277	31913.26201	10298.2154	20330.94362	1.30773	1.28576
551583.5	4172944.72	22376.63884	33523.64705	6901.26665	25161.92293	10.22682	9.2578
551583.5	4172924.72	30627.32017	27833.59692	8509.917	20810.2497	7.60079	7.03138
551573.5	4172914.72	36865.08723	23792.06947	8637.78544	17984.5722	9.78939	8.97003
551713.5	4172934.72	20830.02222	35986.11449	8140.19837	22247.55837	1.22074	1.20149
551583.5	4172934.72	25842.91603	30598.59931	7628.2522 8	22916.45438	8.66241	7.94539
551565.79	4172915.74	36727.91684	22488.93824	7910.71388	17057.6278	15.15319	13.56103
551575.79	4172944.97	22369.73737	31215.64745	6535.70194	23736.23156	15.42568	13.66235
551573.5	4172924.72	30480.87814	25895.37057	7791.24632	19614.12612	11.45782	10.39103
551573.5	4172934.72	26107.371	27980.47894	7091.11248	21271.47599	14.24764	12.71839
CONCUNIT ug/	m^3						
DEPUNIT g/m^	2						

1.22E-02	3.63E-02	1.90E-03	1.26E-02	2.66E-05	5.09E-05	6.3117E-02
2.47E-02	2.69E-02	4.19E-03	8.85E-03	7.55E-06	8.98E-06	6.4704E-02
2.96E-02	2.34E-02	4.54E-03	7.78E-03	8.53E-06	1.01E-05	6.5386E-02
1.93E-02	3.20E-02	3.59E-03	9.43E-03	4.02E-06	4.86E-06	6.4398E-02
2.06E-02	2.94E-02	3.42E-03	9.77E-03	9.49E-06	1.12E-05	6.3227E-02
1.50E-02	3.60E-02	2.74E-03	9.99E-03	3.45E-06	4.18E-06	6.3701E-02
3.78E-02	1.84E-02	3.97E-03	6.31E-03	1.60E-05	1.85E-05	6.6552E-02
2.45E-02	2.61E-02	3.93E-03	8.70E-03	8.95E-06	1.06E-05	6.3314E-02
2.97E-02	2.26E-02	4.20E-03	7.58E-03	1.03E-05	1.21E-05	6.4023E-02
1.86E-02	3.15E-02	3.40E-03	9.03E-03	3.70E-06	4.48E-06	6.2524E-02
3.81E-02	1.73E-02	3.52E-03	5.98E-03	2.29E-05	2.59E-05	6.5003E-02
2.07E-02	2.79E-02	3.23E-03	9.40E-03	1.19E-05	1.39E-05	6.1251E-02
2.45E-02	2.51E-02	3.66E-03	8.43E-03	1.10E-05	1.29E-05	6.1652E-02
1.38E-02	3.27E-02	2.09E-03	1.13E-02	3.88E-05	4.21E-05	5.9952E-02
2.98E-02	2.15E-02	3.85E-03	7.29E-03	1.31E-05	1.52E-05	6.2504E-02
1.42E-02	3.44E-02	2.58E-03	9.51E-03	3.20E-06	3.88E-06	6.0645E-02
1.80E-02	2.90E-02	2.71E-03	9.89E-03	1.78E-05	2.03E-05	5.9610E-02
1.77E-02	3.03E-02	3.20E-03	8.61E-03	3.41E-06	4.14E-06	5.9799E-02
2.46E-02	2.37E-02	3.40E-03	8.06E-03	1.43E-05	1.65E-05	5.9828E-02
3.79E-02	1.62E-02	3.11E-03	5.65E-03	3.67E-05	4.06E-05	6.2958E-02
2.08E-02	2.62E-02	3.03E-03	8.93E-03	1.58E-05	1.82E-05	5.9018E-02
2.99E-02	2.03E-02	3.51E-03	6.96E-03	1.76E-05	2.02E-05	6.0638E-02
2.13E-02	2.56E-02	3.79E-03	7.48E-03	3.39E-06	4.11E-06	5.8198E-02
1.80E-02	2.69E-02	2.54E-03	9.26E-03	2.65E-05	2.96E-05	5.6702E-02
2.46E-02	2.23E-02	3.13E-03	7.66E-03	1.97E-05	2.25E-05	5.7733E-02
2.96E-02	1.91E-02	3.18E-03	6.62E-03	2.54E-05	2.87E-05	5.8514E-02
1.67E-02	2.89E-02	3.00E-03	8.19E-03	3.17E-06	3.84E-06	5.6771E-02
2.07E-02	2.45E-02	2.81E-03	8.43E-03	2.25E-05	2.54E-05	5.6569E-02
2.95E-02	1.80E-02	2.91E-03	6.28E-03	3.93E-05	4.33E-05	5.6779E-02
1.79E-02	2.50E-02	2.40E-03	8.73E-03	4.00E-05	4.37E-05	5.4213E-02
2.45E-02	2.08E-02	2.87E-03	7.22E-03	2.97E-05	3.32E-05	5.5376E-02
2.09E-02	2.24E-02	2.61E-03	7.83E-03	3.70E-05	4.07E-05	5.3907E-02

Midway Village Project—New Phase 3 Receptors Scenario

New Phase 3 Receptors: Exposed to Phases 4 Demolition and Phases 4 Construction
Construction Annual Total PM2.5 Emissions (PM2.5 Total)

	Unmitigated Concentrations
Annual Average Onsite Total PM2.5 Emission Rate—Demolition Area 4A (Part 1 of 2 Phase 4) (grams/m2/sec):	8.68E-07
Annual Average Onsite Total PM2.5 Emission Rate—Demolition Area 4A (Part 2 of 2 Phase 4 – Phase 4/5) (grams/m2/sec):	8.68E-07
Annual Average Onsite Total PM2.5 Emission Rate—Construction Area 4B and Area 2B/4B (Phase 4) (grams/m2/sec):	8.14E-07
Annual Average Onsite Total PM2.5 Emission Rate—Construction Area 4B (Phase 4/5) (grams/m2/sec):	8.14E-07
Annual Average Offsite Total PM2.5 Emission Rate - Road Segment 1 (grams/sec):	1.07E-04
Annual Average Offsite Total PM2.5 Emission Rate - Road Segment 2 (grams/sec):	1.08E-04

Unmitigated PM2.5 Concentrations

Maximum DPM (ug/m3)	UTM X	UTM Y
2.3278E-01	551653.5	4172854.72

UTM 551653.50 4172854.72
Latitude, Longitude 37°4'2'05.3"N 122°24'50.6"W

X	Y	Unit Emissions Construction Area 4B and Area 2B/4B (Phase 4) AREA6	Unit Emissions Construction Area 4B (Phase 4/5) AREA7	Unit Emissions Demolition Area 4A (Part 1 of 2 Phase 4) AREA12	Unit Emissions Demolition Area 4A (Part 2 of 2 Phase 4 – Phase 4/5) AREA13	Unit Emissions Route 1 - From the project site towards US-101 LINE1	Unit Emissions Route 2 - From US-101 towards the project site LINE2	Construction Area 4B and Area 2B/4B (Phase 4) Annual PM2.5	Construction Area 4B (Phase 4/5) Annual PM2.5	Demolition Area 4A (Part 1 of 2 Phase 4) Annual PM2.5	Demolition Area 4A (Part 2 of 2 Phase 4 – Phase 4/5) Annual PM2.5	Route 1 - From the project site towards US-101 Annual PM2.5	Route 2 - From US-101 towards the project site Annual PM2.5	Total
								w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	w/Actual Emissions (ug/m3)	PM2.5 (ug/m3)
551653.5	4172854.72	171160.9474	15302.62024	75631.6828	10789.81499	2.55867	2.45464	1.49E-01	1.33E-02	6.16E-02	8.78E-03	2.74E-04	2.66E-04	2.3278E-01
551642.42	4172857.32	168854.3696	15357.9813	55461.88347	11280.28439	2.82339	2.70983	1.47E-01	1.38E-02	4.51E-02	9.18E-03	3.02E-04	2.93E-04	2.1530E-01
551663.5	4172864.72	127140.9131	16558.28551	60112.05977	11531.02997	2.07301	2.00768	1.10E-01	1.44E-02	4.89E-02	9.38E-03	2.22E-04	2.17E-04	1.8352E-01
551623.5	4172864.72	150752.1953	17139.0347	33499.60394	12381.26081	3.15843	3.03992	1.31E-01	1.49E-02	2.73E-02	1.01E-02	3.38E-04	3.29E-04	1.8379E-01
551653.5	4172864.72	127122.9094	17034.3902	55744.65149	11961.10186	2.29772	2.22121	1.10E-01	1.48E-02	4.54E-02	9.73E-03	2.46E-04	2.41E-04	1.8076E-01
551633.5	4172864.72	142880.1694	17141.02108	39450.07879	12270.92691	2.85825	2.7531	1.24E-01	1.49E-02	3.21E-02	9.99E-03	3.06E-04	2.98E-04	1.8164E-01
551643.5	4172864.72	132824.8506	17179.04991	47329.55784	12177.13308	2.55946	2.46879	1.15E-01	1.49E-02	3.85E-02	9.91E-03	2.74E-04	2.67E-04	1.7922E-01
551613.28	4172867.43	143262.8036	17559.14543	27064.34328	12787.57987	3.39651	3.27143	1.24E-01	1.52E-02	2.20E-02	1.04E-02	3.64E-04	3.54E-04	1.7279E-01
551593.5	4172874.72	125142.3651	18022.09582	17273.91852	13333.44573	4.27246	4.09094	1.09E-01	1.56E-02	1.41E-02	1.09E-02	4.58E-04	4.43E-04	1.5012E-01
551603.5	4172874.72	121565.8542	18431.04637	20111.71631	13532.15084	3.68645	3.54328	1.06E-01	1.60E-02	1.64E-02	1.10E-02	3.95E-04	3.84E-04	1.4972E-01
551613.5	4172874.72	115392.7258	18749.63794	23515.78421	13650.02429	3.26337	3.14928	1.00E-01	1.63E-02	1.91E-02	1.11E-02	3.50E-04	3.41E-04	1.4741E-01
551623.5	4172874.72	108964.8526	18963.2319	27424.93765	13677.96604	2.92288	2.82576	9.46E-02	1.65E-02	2.23E-02	1.11E-02	3.13E-04	3.06E-04	1.4515E-01
551633.5	4172874.72	100308.2878	19277.3485	32898.00188	13755.45217	2.61213	2.52837	8.71E-02	1.67E-02	2.68E-02	1.12E-02	2.80E-04	2.74E-04	1.4236E-01
551663.5	4172874.72	93583.82466	18793.43592	40814.11138	13003.72674	1.94441	1.89083	8.13E-02	1.63E-02	3.32E-02	1.06E-02	2.08E-04	2.05E-04	1.4179E-01
551582.9	4172876.82	119202.6705	17717.11117	14284.83729	13210.92076	5.26122	4.99668	1.04E-01	1.54E-02	1.16E-02	1.08E-02	5.64E-04	5.41E-04	1.4237E-01
551653.5	4172874.72	92342.38448	19259.41152	38620.36698	13446.05582	2.14011	2.07782	8.02E-02	1.67E-02	3.14E-02	1.09E-02	2.29E-04	2.25E-04	1.3973E-01
551643.5	4172874.72	93314.35474	19532.01088	35815.45092	13767.61535	2.35828	2.28678	8.10E-02	1.70E-02	2.91E-02	1.12E-02	2.53E-04	2.48E-04	1.3884E-01
551693.5	4172974.72	127913.5217	19235.17	5333.92456	14776.13609	1.52151	1.49419	1.11E-02	7.31E-02	4.34E-03	3.89E-02	1.63E-04	1.62E-04	1.2777E-01
551640.9	4172976.02	14392.86669	74546.30272	5956.04897	51264.08648	2.81444	2.71804	1.25E-02	6.47E-02	4.85E-03	4.17E-02	3.01E-04	2.94E-04	1.2439E-01
551620.9	4172984.07	13371.03228	74214.48559	5315.95984	53131.58901	4.51445	4.27162	1.16E-02	6.44E-02	4.33E-03	4.32E-02	4.84E-04	4.63E-04	1.2456E-01
551666.91	4172969.1	14951.79473	73025.47575	6289.01062	46369.51717	1.94843	1.90511	1.30E-02	6.34E-02	5.12E-03	3.77E-02	2.09E-04	2.06E-04	1.1966E-01
551593.5	4172884.72	90714.14235	19597.39115	14947.06603	14512.60282	4.30405	4.11621	7.88E-02	1.70E-02	1.22E-02	1.18E-02	4.61E-04	4.46E-04	1.2067E-01
551603.5	4172884.72	87377.67556	20181.88206	17189.06893	14822.41096	3.62927	3.49578	7.59E-02	1.75E-02	1.40E-02	1.21E-02	3.89E-04	3.79E-04	1.2021E-01
551633.5	4172974.72	14820.81442	69392.6607	6046.1339	49016.81233	3.19472	3.06791	1.29E-02	6.03E-02	4.92E-03	3.99E-02	3.42E-04	3.32E-04	1.1861E-01
551613.5	4172884.72	83088.73888	20723.27148	19938.53233	15077.33554	3.15506	3.04081	7.21E-02	1.80E-02	1.62E-02	1.23E-02	3.38E-04	3.30E-04	1.1931E-01
551705.66	4172972.34	12487.18069	77956.34108	5147.82632	43155.76243	1.36359	1.34107	1.08E-02	6.77E-02	4.19E-03	3.51E-02	1.46E-04	1.45E-04	1.1814E-01
551583.5	4172884.72	91591.03884	18972.50994	13121.47061	14151.76206	5.35955	5.07764	7.95E-02	1.65E-02	1.07E-02	1.15E-02	5.74E-04	5.50E-04	1.1932E-01
551623.5	4172884.72	77577.76606	21313.56729	23538.04772	15336.11353	2.77312	2.68734	6.74E-02	1.85E-02	1.92E-02	1.25E-02	2.97E-04	2.91E-04	1.1809E-01
551611.12	4172984.72	13483.81733	68168.28343	5201.94054	49887.6405	6.06349	5.64898	1.17E-02	5.92E-02	4.23E-03	4.06E-02	6.49E-04	6.12E-04	1.1699E-01
551673.5	4172884.72	70899.73649	20804.36417	28709.66638	14223.83968	1.70663	1.66727	6.16E-02	1.81E-02	2.34E-02	1.16E-02	1.83E-04	1.81E-04	1.1493E-01
551633.5	4172884.72	71660.57156	21930.32361	25056.30713	15570.6864	2.48654	2.41491	6.22E-02	1.90E-02	2.04E-02	1.27E-02	2.66E-04	2.62E-04	1.1486E-01
551663.5	4172884.72	69203.37071	21456.24079	28462.90891	14788.79893	1.86598	1.82035	6.01E-02	1.86E-02	2.32E-02	1.20E-02	2.00E-04	1.97E-04	1.1432E-01
551623.5	4172974.72	14865.96092	65502.8651	5920.91531	46934.49359	3.73919	3.59241	1.29E-02	5.69E-02	4.82E-03	3.82E-02	4.21E-04	4.05E-04	1.1363E-01
551653.5	4172884.72	68535.83538	21881.29455	27577.54444	15218.67153	2.04488	1.99207	5.95E-02	1.90E-02	2.24E-02	1.24E-02	2.19E-04	2.16E-04	1.1377E-01
551673.5	4172964.72	15650.48767	68160.17883	6557.12775	42486.31075	1.80014	1.76262	1.36E-02	5.92E-02	5.34E-03	3.46E-02	1.93E-04	1.91E-04	1.1307E-01
551643.5	4172884.72	68813.32009	22088.90226	26225.5143	15516.39209	2.24736	2.18636	5.98E-02	1.92E-02	2.13E-02	1.26E-02	2.41E-04	2.37E-04	1.1338E-01
551573.5	4172884.72	88882.8464	18248.41243	11548.4961	13702.1315	7.0875	6.62653	7.72E-02	1.58E-02	9.40E-03	1.12E-02	7.59E-04	7.18E-04	1.1505E-01
551601.77	4172988.4	12964.18533	65568.99829	4863.37565	48512.77567	8.99045	8.17545	1.13E-02	5.69E-02	3.96E-03	3.95E-02	9.63E-04	8.85E-04	1.1348E-01
551653.5	4172964.72	16325.57042	64933.92054	6826.90991	43425.45841	2.24557	2.1886	1.42E-02	5.64E-02	5.56E-03	3.53E-02	2.41E-04	2.37E-04	1.1193E-01
551683.5	4172964.72	15151.73145	68529.8599	6311.09683	41247.33254	1.63231	1.60916	1.32E-02	5.95E-02	5.14E-03	3.36E-02	1.75E-04	1.73E-04	1.1171E-01
551593.5	4172994.72	12159.06611	64530.09193	4460.35283	48234.39227	15.18407	13.34697	1.06E-02	5.60E-02	3.63E-03	3.93E-02	1.63E-03	1.45E-03	1.1255E-01
551665.23	4172962.34	16473.51325	64458.08407	6906.37397	41437.51083	1.94919	1.90559	1.43E-02	5.60E-02	5.62E-03	3.37E-02	2.09E-04	2.06E-04	1.1003E-01
551643.5	4172964.72	16643.45822	62018.37193	6883.28505	42897.52504	2.57386	2.49546	1.45E-02	5.39E-02	5.60E-03	3.49E-02	2.76E-04	2.70E-04	1.0936E-01
551693.5	4172964.72	14544.94026	67875.26586	6009.1789	39622.98207	1.48942	1.46284	1.26E-02	5.89E-02	4.89E-03	3.22E-02	1.60E-04	1.58E-04	1.0902E-01
551613.5	4172974.72	15018.38594	60632.73588	5794.2803	44202.12131	5.07398	4.76931	1.30E-02	5.26E-02	4.72E-03	3.60E-02	5.43E-04	5.17E-04	1.0744E-01
551633.5	4172964.72	16789.72793	59360.19719	6815.51137	41913.39179	3.02181	2.90986	1.46E-02	5.15E-02	5.55E-03	3.41E-02	3.24E-04	3.15E-04	1.0642E-01
551703.5	4172964.72	13876.99464	66108.74451	5683.29983	37795.87909	1.3671	1.3443	1.20E-02	5.74E-02	4.63E-03	3.08E-02	1.46E-04	1.46E-04	1.0513E-01
551563.5	4172884.72	81331.21839	17400.98346	10148.75781	13147.58305	10.1544	9.33204	7.06E-02	1.51E-02	8.26E-03	1.07E-02	1.09E-03	1.01E-03	1.0679E-01
551623.5	4172964.72	16832.20349	56494.46077	6655.05545	40552.362	3.65653	3.49081	1.46E-02	4.91E-02	5.42E-03	3.30E-02	3.92E-04	3.78E-04	1.0286E-01
551663.5	4172954.72	18297.49108	56481.92473	7638.37494	36705.89292	1.94251	1.89896	1.59E-02	4.90E-02	6.22E-03	2.99E-02	2.08E-04	2.06E-04	1.0143E-01
551653.5	4172954.72	18614.88047	55368.97431	7748.45391	37095.26357	2.17125	2.11747	1.62E-02	4.81E-02	6.31E-03	3.02E-02	2.33E-04	2.29E-04	1.0120E-01
551673.5	4172954.72	17984.90516	56903.80219	7483.11687	35935.98543	1.75752	1.72136	1.56E-02	4.94E-02	6.09E-03	2.92E-02	1.88E-04	1.86E-04	1.0074E-01
551713.5	4172964.72	13230.82234	63495.14909	5376.89536	36012.3334	1.26362	1.24379	1.15E-02	5.51E-02	4.38E-03	2.93E-02	1.35E-04	1.35E-04	1.0058E-01
551593.5	4172984.72	13527.16667	57009.60627	4894.32626	42609.58071	12.54757	11.15318	1.17E-02	4.95E-02	3.98E-03	3.47E-02	1.34E-03	1.21E-03	1.0246E-01
551603.5	4172974.72	15068.40732	55787.50582	5599.73285	41180.41703	6.95725	6.42483	1.31E-02	4.84E-02	4.56E-03	3.35E-02	7.45E-04	6.96E-04	1.0104E-01
551643.5	4172894.72	54547.4662	24657.71066	21005.1451	17267.26105	2.20303	2.14636	4.74E-02	2.14E-02	1.71E-02	1.41E-02	2.36E-04	2.32E-04	1.0039E-01
551653.5	4172894.72	54200.33522	24532.22031	21728.06478	16988.72198	2.00346	1.95497	4.71E-02	2.13E-02	1.77E-02	1.38E-02	2.15E-04	2.12E-04	1.0030E-01
551613.5	4172894.72	59475.30112	23407.76381	17308.03817	17021.27063	3.12234	3.01302	5.16E-02	2.03E-02	1.41E-02	1.39E-02	3.34E-04	3.26E-04	1.0057E-01
551663.5	4172894.72	54394.89596	24145.24155	22092.46377	16552.35664	1.82884	1.78675	4.72E-02	2.10E-02	1.80E-02	1.35E-02	1.96E-04	1.94E-04	1.0004E-01
551643.5	4172954.72	18959.40262	53348.37735	7803.83567	36894.24374	2.46638	2.39601	1.65E-02	4.63E-02	6.35E-03	3.00E-02	2.64E-04	2.60E-04	9.9686E-02
551623.5	4172894.72	56732.85613	24189.8831	18649.86581	17335.62856	2.72576	2.64394	4.93E-02	2.10E-02	1.52E-02	1.41E-02	2.92E-04	2.86E-04	1.0013E-01
551603.5	4172894.72	62461.94375	22488.11226	15370.8409	16506.4076	3.67038	3.51946	5.42E-02	1.95E-02	1.25E-02	1.34E-02	3.93E-04	3.81E-04	1.0048E-01
551633.5	4172894.72	54918.40523	24628.39382	19775.59363	17444.85857	2.43708	2.37045	4.77E-02	2.14E-02	1.61E-02	1.42E-02	2.61E-04	2.57E-04	9.9880E-02
551673.5	4172894.72	55237.57372	23415.2654	22155.84094	15895.66359	1.67563	1.63942	4.80E-02	2.03E-02	1.80E-02	1.29E-02	1.79E-04	1.78E-04	9.9619E-02
551683.5	4172954.72	17465.01188	56722.35553	7210.8732	34800.57638	1.59959	1.56908	1.52E-02	4.93E-02	5.87E-03	2.83E-02	1.71E-04	1.70E-04	9.8949E-02
551593.5	4172894.72	64394.68878	21603.40669	13358.76226	16003.87232	4.46657	4.24991	5.59E-02	1.88E-02	1.09E-02	1.30E-02	4.78E-04	4.60E-04	9.9508E-02
551613.5	4172964.72	16918.4115	53006.94638	6460.71617	38606.33441	4.61831	4.36082	1.47E-02	4.60E-02	5.26E-03	3.14E-02	4.95E-04	4.72E-04	9.8361E-02
551633.5	4172954.72	19173.69178	51283.34111	7730.9852	36189.65017	2.86704	2.76846	1.66E-02	4.45E-02	6.29E-03	2.95E-02	3.07E-04	3.00E-04	9.7529E-02
551693.5	4172954.72	16819.44461	55796.79203	6876.77345	33419.71801	1.46478	1.43874	1.46E-02	4.84E-02	5.60E-03	2.72E-02	1.57E-04	1.56E-04	9.6161E-02
551583.5	4172894.72	63972.95969	20819.13341	11893.88581	15540.06281	5.71225	5.37862	5.55E-02	1.81E-02	9.68E-03	1.26E-02	6.12E-04	5.83E-04	9.7147E-02
551623.5	4172954.72	19246.03261	49082.84487	7533.19635	35218.58148	3.41918	3.27583	1.67E-02	4.26E-02	6.13E-03	2.87E-02	3.66E-04	3.55E-04	9.4844E-02
551557.09	4172888.91	70563.19973	17257.61542	8944.04797	13100.64537	14.86924	13.40419	6.13E-02	1.50E-02	7.28E-03	1.07E-02	1.59E-03	1.45E-03	9.7240E-02
551653.5	4172944.72	21542.6283	47379.48934	8914.88491	32002.9712	2.11047	2.05936	1.87E-02	4.11E-02	7.26E-03	2.60E-02	2.26E-04	2.23E-04	9.3595E-02
551663.5	4172944.72	21252.95541	48013.65674	8816.25869	31535.96425	1.89727	1.85537	1.85E-02	4.17E-02	7.18E-03	2.57E-02	2.03E-04	2.01E-04	9.3389E-02
551643.5	4172944.72	21748.4066	46371.53521	8893.43979	32085.21655	2.37391	2.31007	1.89E-02	4.03E-02	7.24E-03	2.61E-02	2.54E-04	2.50E-04	9.3003E-02
551593.5	4172974.72	15129.281	50630.82652	5385.14945	37814.1355	10.50454	9.44357	1.31E-02	4.40E-02	4.38E-03	3.08E-02	1.13E-03	1.02E-03	9.4405E-02
551573.5	4172894.72	63700.89773	19800.10265	10439.90412	14887.9302	7.84232	7.27694	5.53E-02	1.72E-02	8.50E-03	1.21E-02	8.40E-04	7.88E-04	9.4745E-02
551693.5	4172964.72	17029.43932	49091.0022	6232.05275	36220.26086	6.17551	5.741	1.48E-02	4.26E-02	5.07E-03	2.95E-02	5.61E-04	5.22E-04	9.3245E-02
551703.5	4172954.72	16010.31755	54042.01896	6481.05252	31866.42428	1.34684	1.32441	1.39E-02	4.69E-02	5.27E-03	2.59E-02	1.44E-04	1.43E-04	9.2323E-02
551643.5	4172904.72	44265.11817	27574.02351	17286.54718	19253.92612	2.19276	2.13775	3.84E-02	2.39E-02	1.41E-02	1.57E-02	2.35E-04	2.32E-04	9.2583E-02
551673.5	4172944.72	20864.65701	48087.44327	8611.71376	30746.38301	1.72071	1.68561	1.81E-02	4.18E-02	7.01E-03	2.50E-02	1.84E-04	1.83E-04	9.2269E-02
551653.5	4172904.72	43857.93045	27576.78927	17643.82598	19010.78276	1.99027	1.94376	3.81E-02	2.39E-02	1.44E-02	1.55E-02	2.13E-04	2.11E-04	9.2282E-02
551633.5	4172904.72	44381.83343	27442.1568	16456.16468	19407.89057	2.43616	2.37031	3.85E-02	2.38E-02	1.34E-02	1.58E-02	2.61E-04	2.57E-04	9.2070E-02
551663.5	4172904.72	43700.56827	27284.84591	17715.08576	18594.02186	1.81422	1.77409	3.79E-02	2.37E-02	1.44E-02	1.51E-02	1.94E-04	1.92E-04	9.1573E-02
551623.5	4172904.72	45109.45182	26924.50445	15568.80196	19282.28546	2.74376	2.65888	3.92E-02	2.34E-02	1.27E-02	1.57E-02	2.94E-04	2.88E-04	9.1492E-02
551613.5	4172954.72	19305.4509	46476.60903	7268.71464	33826.49705	4.23937	4.02069	1.68E-02	4.04E-02	5.92E-03	2.75E-02	4.54E-04	4.35E-04	9.1453E-02
551673.5	4172904.72	43922.37097	26555.10037	17613.30733	17893.69234	1.66243	1.62763	3.81E-02	2.31E-02	1.43E-02	1.46E-02	1.78E-04	1.76E-04	9.0447E-02
551683.5	4172944.72	20338.96979	47544.46899	8312.93783	29705.20284	1.57153	1.54176	1.77E-02	4.13E-02	6.77E-03	2.42E-02	1.68E-04	1.67E-04	9.0219E-02
551613.5	4172904.72	45375.01449	26311.63112	14360.18702	19057.22341	3.16912	3.05352	3.94E-02	2.28E-02	1.17E-02	1.55E-02	3.39E-04	3.31E-04	9.0112E-02
551563.5	4172894.72	61620.2421	18765.87239	9244.38168	14202.08298	11.82169	10.74312	5.35E-02	1.63E-02	7.52E-03	1.16E-02	1.27E-03	1.16E-03	9.1311E-02

Construction Health Risk Assessment Files

551643.5	4172914.72	36364.18731	31050.19873	14396.55151	21622.84836	2.20982	2.15433	3.16E-02	2.70E-02	1.17E-02	1.76E-02	2.37E-04	2.33E-04	8.8320E-02
551653.5	4172914.72	36053.87038	31177.29543	14598.01891	21396.65792	1.99891	1.95281	3.13E-02	2.71E-02	1.19E-02	1.74E-02	2.14E-04	2.11E-04	8.8097E-02
551713.5	4172954.72	15171.07571	51619.95857	6091.00151	30301.04388	1.24515	1.22564	1.32E-02	4.48E-02	4.96E-03	2.47E-02	1.33E-04	1.33E-04	8.7878E-02
551603.5	4172904.72	45811.46159	25451.01396	13128.26882	18627.23408	3.77892	3.61694	3.98E-02	2.21E-02	1.07E-02	1.52E-02	4.05E-04	3.92E-04	8.8518E-02
551633.5	4172914.72	36758.71256	30611.90687	13968.83252	21629.89001	2.46664	2.39886	3.19E-02	2.66E-02	1.14E-02	1.76E-02	2.64E-04	2.60E-04	8.7994E-02
551693.5	4172944.72	19553.04413	46461.08864	7896.99101	28469.62357	1.44134	1.41579	1.70E-02	4.03E-02	6.43E-03	2.32E-02	1.54E-04	1.53E-04	8.7225E-02
551663.5	4172914.72	35753.77328	31012.38721	14542.79504	21001.90745	1.81713	1.77763	3.10E-02	2.69E-02	1.18E-02	1.71E-02	1.95E-04	1.93E-04	8.7288E-02
551643.5	4172924.72	30229.74049	35235.86818	12120.01567	24475.84443	2.24992	2.19276	2.62E-02	3.06E-02	9.86E-03	1.99E-02	2.41E-04	2.37E-04	8.7106E-02
551653.5	4172924.72	30011.30947	35523.93083	12242.44561	24275.47351	2.02517	1.97774	2.61E-02	3.08E-02	9.96E-03	1.98E-02	2.17E-04	2.14E-04	8.7055E-02
551673.5	4172934.72	24629.15947	40746.89545	10080.64495	26579.87889	1.69321	1.65887	2.14E-02	3.54E-02	8.20E-03	2.16E-02	1.81E-04	1.80E-04	8.6963E-02
551623.5	4172914.72	37027.11555	29960.19141	13279.64646	21456.99415	2.80761	2.7152	3.22E-02	2.60E-02	1.08E-02	1.75E-02	3.01E-04	2.94E-04	8.7030E-02
551593.5	4172964.72	17120.89811	44976.9681	5966.35494	33558.44552	9.00184	8.17679	1.49E-02	3.91E-02	4.86E-03	2.73E-02	9.64E-04	8.86E-04	8.7936E-02
551633.5	4172924.72	30581.27484	34513.93429	11866.16581	24364.46127	2.52659	2.45374	2.66E-02	3.00E-02	9.66E-03	1.98E-02	2.71E-04	2.66E-04	8.6545E-02
551593.5	4172904.72	46589.74581	24242.24192	11949.64997	17978.14302	4.70052	4.46125	4.05E-02	2.10E-02	9.73E-03	1.46E-02	5.03E-04	4.83E-04	8.6847E-02
551673.5	4172914.72	35533.56535	30427.99527	14310.09488	20356.25525	1.66143	1.62746	3.09E-02	2.64E-02	1.16E-02	1.66E-02	1.78E-04	1.76E-04	8.5842E-02
551622.9	4172933.22	26500.07496	37205.44848	9995.03912	26673.33152	3.05177	2.93795	2.30E-02	3.23E-02	8.13E-03	2.17E-02	3.27E-04	3.18E-04	8.5803E-02
551583.5	4172974.72	15215.70527	45306.02414	5161.27058	34202.41097	10.2383	15.92042	1.32E-02	3.93E-02	4.20E-03	2.78E-02	1.10E-03	1.72E-03	8.7408E-02
551623.5	4172924.72	30814.1729	33560.63982	11400.41201	24041.08228	2.90963	2.80798	2.68E-02	2.91E-02	9.28E-03	1.96E-02	3.12E-04	3.04E-04	8.5356E-02
551613.5	4172914.72	36918.90984	29190.86961	12350.36289	21154.94398	3.28656	3.15856	3.21E-02	2.53E-02	1.01E-02	1.72E-02	3.52E-04	3.42E-04	8.5365E-02
551683.5	4172934.72	24118.24193	39912.92799	9752.63749	25626.18436	1.5507	1.52132	2.09E-02	3.47E-02	7.94E-03	2.09E-02	1.66E-04	1.65E-04	8.4722E-02
551613.5	4172934.72	25733.54833	36602.89242	9296.2328	26563.41842	3.65913	3.49648	2.23E-02	3.18E-02	7.57E-03	2.16E-02	3.92E-04	3.79E-04	8.4082E-02
551703.5	4172944.72	18666.23014	44848.45259	7457.40954	27158.52808	1.32947	1.30733	1.62E-02	3.89E-02	6.07E-03	2.21E-02	1.42E-04	1.42E-04	8.3606E-02
551583.5	4172904.72	47114.80666	22981.7269	10776.85433	17161.31528	6.16387	5.78073	4.09E-02	2.00E-02	8.77E-03	1.40E-02	6.60E-04	6.26E-04	8.4889E-02
551613.5	4172924.72	30562.37752	32592.47464	10679.91077	23635.55231	3.4494	3.30659	2.65E-02	2.83E-02	8.69E-03	1.92E-02	3.69E-04	3.58E-04	8.3492E-02
551603.5	4172914.72	36974.9867	28118.70974	11406.8094	20600.21837	3.98333	3.80014	3.21E-02	2.44E-02	9.28E-03	1.68E-02	4.27E-04	4.12E-04	8.3408E-02
551693.5	4172934.72	23199.01526	39227.21351	9247.46214	24540.81947	1.42572	1.4004	2.01E-02	3.41E-02	7.53E-03	2.00E-02	1.53E-04	1.52E-04	8.2008E-02
551573.5	4172904.72	47514.05616	21603.54351	9559.63921	16264.66762	8.81095	8.10682	4.13E-02	1.88E-02	7.78E-03	1.32E-02	9.44E-04	8.78E-04	8.2854E-02
551603.5	4172934.72	25781.70884	34791.80277	8770.88289	25550.11677	4.58612	4.33962	2.24E-02	3.02E-02	7.14E-03	2.08E-02	4.91E-04	4.70E-04	8.1489E-02
551603.5	4172924.72	30489.79715	31249.90199	9953.78026	22917.51904	4.24686	4.03636	2.65E-02	2.71E-02	8.10E-03	1.87E-02	4.55E-04	4.37E-04	8.1253E-02
551583.5	4172964.72	17219.35975	40724.16157	5682.65732	30691.18499	14.94659	13.17522	1.50E-02	3.54E-02	4.62E-03	2.50E-02	1.60E-03	1.43E-03	8.2943E-02
551593.5	4172914.72	37184.95109	26790.78566	10476.66281	19823.98708	5.04947	4.77012	3.23E-02	2.33E-02	8.53E-03	1.61E-02	5.41E-04	5.17E-04	8.1268E-02
551713.5	4172944.72	17693.67076	42816.79625	7012.80148	25849.673	1.23208	1.21274	1.54E-02	3.72E-02	5.71E-03	2.10E-02	1.32E-04	1.31E-04	7.9550E-02
551593.5	4172944.72	22380.40935	36158.95567	7373.58993	26889.84933	6.85142	6.34261	1.94E-02	3.14E-02	6.00E-03	2.19E-02	7.34E-04	6.87E-04	8.0136E-02
551703.5	4172934.72	22064.98625	37750.81716	8688.12201	23387.92505	1.3162	1.29421	1.92E-02	3.28E-02	7.07E-03	1.90E-02	1.41E-04	1.40E-04	7.8324E-02
551593.5	4172924.72	30683.09016	29560.61432	9254.31147	21903.90247	5.50529	5.17249	2.66E-02	2.57E-02	7.53E-03	1.78E-02	5.90E-04	5.60E-04	7.8818E-02
551563.5	4172904.72	47213.67567	20250.6411	8439.47155	15353.86378	14.13547	12.68789	4.10E-02	1.76E-02	6.87E-03	1.25E-02	1.51E-03	1.37E-03	8.0832E-02
551593.5	4172934.72	25932.42313	32687.15312	8228.36231	24260.79135	6.08874	5.68335	2.25E-02	2.84E-02	6.70E-03	1.97E-02	6.52E-04	6.16E-04	7.8608E-02
551583.5	4172914.72	37228.88631	25247.46802	9544.74597	18926.91392	6.78479	6.32414	3.23E-02	2.19E-02	7.77E-03	1.54E-02	7.27E-04	6.85E-04	7.8831E-02
551703.5	4172924.72	26569.91277	31913.26201	10298.2154	20330.94362	1.30773	1.28576	2.31E-02	2.77E-02	8.38E-03	1.65E-02	1.40E-04	1.39E-04	7.5988E-02
551583.5	4172944.72	22376.63884	33523.64705	6901.26665	25161.92293	10.22682	9.2578	1.94E-02	2.91E-02	5.62E-03	2.05E-02	1.10E-03	1.00E-03	7.6731E-02
551583.5	4172924.72	30627.32017	27833.59692	8509.917	20810.2497	7.60079	7.03138	2.66E-02	2.42E-02	6.93E-03	1.69E-02	8.14E-04	7.62E-04	7.6199E-02
551573.5	4172914.72	36865.08723	23792.06947	8637.78544	17984.5722	9.78939	8.97003	3.20E-02	2.07E-02	7.03E-03	1.46E-02	1.05E-03	9.71E-04	7.6355E-02
551713.5	4172934.72	20830.02222	35986.11449	8140.19837	22247.55837	1.22074	1.20149	1.81E-02	3.12E-02	6.62E-03	1.81E-02	1.31E-04	1.30E-04	7.4325E-02
551583.5	4172934.72	25842.91603	30598.59931	7628.25228	22916.45438	8.66241	7.94539	2.24E-02	2.66E-02	6.21E-03	1.87E-02	9.28E-04	8.61E-04	7.5655E-02
5515165.79	4172915.74	36727.91684	22488.93824	7910.71388	17057.6278	15.15319	13.56103	3.19E-02	1.95E-02	6.44E-03	1.39E-02	1.62E-03	1.47E-03	7.4830E-02
5515175.79	4172944.97	22369.73737	31215.64745	6535.70194	23736.23156	15.42568	13.66235	1.94E-02	2.71E-02	5.32E-03	1.93E-02	1.65E-03	1.48E-03	7.4297E-02
551573.5	4172924.72	30480.87814	25895.37057	7791.24632	19614.12612	11.45782	10.39103	2.65E-02	2.25E-02	6.34E-03	1.60E-02	1.23E-03	1.11E-03	7.3608E-02
551573.5	4172934.72	26107.371	27980.47894	7091.11248	21271.47599	14.24764	12.71839	2.27E-02	2.43E-02	5.77E-03	1.73E-02	1.53E-03	1.38E-03	7.2951E-02

CONCUNIT ug/ m^3
DEPUNIT g/m^ 2

Midway Village Project—New Phase 3 Receptors Scenario

New Phase 3 Receptors: Exposed to Phases 4 Demolition and Phases 4 Construction
Construction Annual DPM Emissions (PM2.5 Exhaust)

Mitigated Concentrations

Annual Average Onsite DPM Rate—Demolition Area 4A (Part 1 of 2 Phase 4) (grams/m2/sec):	6.25E-08
Annual Average Onsite DPM Rate—Demolition Area 4A (Part 2 of 2 Phase 4 – Phase 4/5) (grams/m2/sec):	6.25E-08
Annual Average Onsite DPM Rate—Construction Area 4B and Area 2B/4B (Phase 4) (grams/m2/sec):	4.70E-08
Annual Average Onsite DPM Rate—Construction Area 4B (Phase 4/5) (grams/m2/sec):	4.70E-08
Annual Average Offsite DPM Emission Rate - Road Segment 1 (grams/sec):	2.59E-06
Annual Average Offsite DPM Emission Rate - Road Segment 2 (grams/sec):	3.20E-06

Mitigated DPM Concentrations		
Maximum DPM (ug/m3)	**MIR UTM** X	Y
1.5720E-02	551653.5	4172854.72

UTM	551653.50	4172854.72
Latitude, Longitude	37°42'05.3"N	122°24'50.6"W

X	Y	Unit Emissions Construction Area 4B and Area 2B/4B (Phase 4) AREA6	Unit Emissions Construction Area 4B (Phase 4/5) AREA7	Unit Emissions Demolition Area 4A (Part 1 of 2 Phase 4) AREA12	Unit Emissions Demolition Area 4A (Part 2 of 2 Phase 4 – Phase 4/5) AREA13	Unit Emissions Route 1 - From the project site towards US-101 LINE1	Unit Emissions Route 2 - From US-101 towards the project site LINE2	Construction Area 4B and Area 2B/4B (Phase 4) Annual DPM Exhaust w/Actual Emissions (ug/m3)	Construction Area 4B (Phase 4/5) Annual DPM Exhaust w/Actual Emissions (ug/m3)	Demolition Area 4A (Part 1 of 2 Phase 4) Annual DPM Exhaust w/Actual Emissions (ug/m3)	Demolition Area 4A (Part 2 of 2 Phase 4 – Phase 4/5) Annual DPM Exhaust w/Actual Emissions (ug/m3)	Route 1 - From the project site towards US-101 Annual DPM Exhaust w/Actual Emissions (ug/m3)	Route 2 - From US-101 towards the project site Annual DPM Exhaust w/Actual Emissions (ug/m3)	Total DPM (ug/m3)
551653.5	4172854.72	171160.9474	15302.62024	75631.6828	10789.81499	2.55867	2.45464	1.07E-02	9.56E-04	3.55E-03	5.07E-04	6.64E-06	7.85E-06	1.5720E-02
551642.42	4172857.32	168854.3696	15857.9813	55461.88347	11280.28439	2.82339	2.70983	1.05E-02	9.90E-04	2.60E-03	5.30E-04	7.32E-06	8.66E-06	1.4687E-02
551663.5	4172864.72	127140.9131	16558.28551	60112.05977	11531.02997	2.07301	2.00768	7.94E-03	1.03E-03	2.82E-03	5.42E-04	5.38E-06	6.42E-06	1.2352E-02
551623.5	4172864.72	150752.1953	17139.0347	33499.60394	12381.26081	3.15843	3.03992	9.42E-03	1.07E-03	1.57E-03	5.82E-04	8.19E-06	9.72E-06	1.2659E-02
551653.5	4172864.72	127122.9094	17034.3902	55744.65149	11961.10186	2.29772	2.22121	7.94E-03	1.06E-03	2.62E-03	5.62E-04	5.96E-06	7.10E-06	1.2197E-02
551633.5	4172864.72	142880.1694	17141.02108	39450.07879	12270.92691	2.85825	2.7531	8.92E-03	1.07E-03	1.85E-03	5.76E-04	7.41E-06	8.80E-06	1.2440E-02
551643.5	4172864.72	132824.8506	17179.04991	47329.55784	12177.13308	2.55946	2.46879	8.30E-03	1.07E-03	2.22E-03	5.72E-04	6.64E-06	7.89E-06	1.2178E-02
551613.28	4172867.43	143262.8036	17559.14543	27064.34328	12787.57987	3.39651	3.27143	8.95E-03	1.10E-03	1.27E-03	6.01E-04	8.81E-06	1.05E-05	1.1936E-02
551593.5	4172874.72	125142.3651	18022.09582	17273.91852	13333.44573	4.27246	4.09094	7.82E-03	1.13E-03	8.11E-04	6.26E-04	1.11E-05	1.31E-05	1.0403E-02
551603.5	4172874.72	121565.8542	18431.04637	20111.71631	13532.15084	3.68645	3.54328	7.59E-03	1.15E-03	9.45E-04	6.36E-04	9.56E-06	1.13E-05	1.0345E-02
551613.5	4172874.72	115392.7258	18749.63794	23515.78421	13650.02429	3.26337	3.14928	7.21E-03	1.17E-03	1.10E-03	6.41E-04	8.47E-06	1.01E-05	1.0142E-02
551623.5	4172874.72	108964.8526	18963.2319	27424.93765	13677.96604	2.92288	2.82576	6.81E-03	1.18E-03	1.29E-03	6.42E-04	7.58E-06	9.03E-06	9.9372E-03
551633.5	4172874.72	100308.2878	19277.3485	32898.00188	13755.45217	2.61213	2.52837	6.26E-03	1.20E-03	1.55E-03	6.46E-04	6.78E-06	8.08E-06	9.6751E-03
551663.5	4172874.72	93583.82466	18793.43592	40814.11138	13003.72674	1.94441	1.89083	5.84E-03	1.17E-03	1.92E-03	6.11E-04	5.04E-06	6.04E-06	9.5576E-03
551582.9	4172876.82	119202.6705	17717.11117	14284.83729	13210.92076	5.26122	4.99668	7.45E-03	1.11E-03	6.71E-04	6.21E-04	1.36E-05	1.60E-05	9.8727E-03
551653.5	4172874.72	92342.38448	19259.41152	38620.36698	13446.05582	2.14011	2.07782	5.77E-03	1.20E-03	1.81E-03	6.32E-04	5.55E-06	6.64E-06	9.4280E-03
551643.5	4172874.72	93314.35474	19532.01088	35815.45092	13767.61535	2.35828	2.28678	5.83E-03	1.22E-03	1.68E-03	6.47E-04	6.12E-06	7.31E-06	9.3903E-03
551693.5	4172974.72	12791.52317	84215.72722	5333.92456	47761.36029	1.52151	1.49419	7.99E-04	5.26E-03	2.51E-04	2.24E-03	3.95E-06	4.78E-06	8.5613E-03
551640.9	4172976.02	14392.86669	74546.30272	5956.04897	51264.08648	2.81444	2.71804	8.99E-04	4.66E-03	2.80E-04	2.41E-03	7.30E-06	8.69E-06	8.2584E-03
551620.9	4172984.07	13371.03228	74214.48559	5315.95984	53131.58901	4.51445	4.27162	8.35E-04	4.64E-03	2.50E-04	2.50E-03	1.17E-05	1.37E-05	8.2409E-03
551666.91	4172969.1	14951.79473	73025.47575	6289.01062	46369.51717	1.94843	1.90511	9.34E-04	4.56E-03	2.95E-04	2.18E-03	5.05E-06	6.09E-06	7.9793E-03
551593.5	4172884.72	90714.14235	19597.39115	14947.06603	14512.60282	4.30405	4.11621	5.67E-03	1.22E-03	7.02E-04	6.82E-04	1.12E-05	1.32E-05	8.2977E-03
551603.5	4172884.72	87377.67556	20181.88596	17178.68893	14822.41096	3.62927	3.49578	5.46E-03	1.26E-03	9.66E-04	8.07E-04	9.96E-06	1.12E-05	8.2420E-03
551633.5	4172974.72	14820.81442	69392.6607	6046.1339	49016.81233	3.19472	3.06791	9.26E-04	4.33E-03	2.84E-04	2.30E-03	8.29E-06	9.81E-06	7.8641E-03
551613.5	4172884.72	83088.70188	20723.27148	19938.53233	15077.33554	3.15506	3.0481	5.19E-03	1.29E-03	9.36E-04	7.08E-04	8.18E-06	9.74E-06	8.1464E-03
551705.66	4172972.34	12487.18069	77956.34108	5147.82632	43155.76243	1.36359	1.34107	7.80E-04	4.87E-03	2.42E-04	2.03E-03	3.54E-06	4.29E-06	7.9254E-03
551583.5	4172884.72	91591.03884	18972.50994	13121.47061	14151.76206	5.35955	5.07764	5.72E-03	1.18E-03	6.16E-04	6.65E-04	1.39E-05	1.62E-05	8.2166E-03
551623.5	4172884.72	77577.76606	21313.56729	23538.04772	15336.11353	2.77312	2.68734	4.85E-03	1.33E-03	1.11E-03	7.20E-04	7.19E-06	8.59E-06	8.0181E-03
551611.12	4172884.72	73483.81733	68168.28343	5201.84054	49887.6405	6.06349	5.64898	8.42E-04	4.26E-03	2.44E-04	2.34E-03	1.57E-05	1.81E-05	7.7210E-03
551673.5	4172884.72	70899.73649	20804.36417	28709.66638	14223.83968	1.70663	1.66727	4.43E-03	1.30E-03	1.35E-03	6.68E-04	4.43E-06	5.33E-06	7.7539E-03
551633.5	4172884.72	71660.57156	21930.32361	25056.30713	15570.6864	2.48654	2.41491	4.48E-03	1.37E-03	1.18E-03	7.31E-04	6.45E-06	7.72E-06	7.7678E-03
551663.5	4172884.72	69203.37071	21456.24079	28462.99091	14788.79893	1.86598	1.82035	4.32E-03	1.34E-03	1.34E-03	6.95E-04	4.84E-06	5.82E-06	7.7045E-03
551623.5	4172974.72	14865.96092	65502.86521	5920.95331	46934.49359	3.92941	3.73919	9.28E-04	4.09E-03	2.78E-04	2.20E-03	1.02E-05	1.20E-05	7.5243E-03
551653.5	4172884.72	68535.83538	21881.29455	27577.54444	15218.67153	2.04488	1.99207	4.28E-03	1.37E-03	1.30E-03	7.15E-04	5.30E-06	6.37E-06	7.6689E-03
551673.5	4172964.72	15650.48767	68160.17883	6557.12775	42486.31075	1.80014	1.76262	9.77E-04	4.26E-03	3.08E-04	2.00E-03	4.67E-06	5.63E-06	7.5484E-03
551643.5	4172884.72	68813.32009	22088.90226	26225.5143	15516.39209	2.24736	2.18636	4.30E-03	1.38E-03	1.23E-03	7.29E-04	5.83E-06	6.99E-06	7.6509E-03
551573.5	4172884.72	88882.8464	18248.41243	11548.4961	13702.1315	7.0875	6.62653	5.55E-03	1.14E-03	5.42E-04	6.44E-04	1.84E-05	2.12E-05	7.9167E-03
551601.77	4172988.4	12964.18533	65568.99829	4863.37565	48512.77567	8.99045	8.17545	8.10E-04	4.10E-03	2.28E-04	2.28E-03	2.33E-05	2.61E-05	7.4614E-03
551653.5	4172964.72	16325.57042	64933.92054	6826.90991	43425.45841	2.24557	2.1886	1.02E-03	4.06E-03	3.21E-04	2.04E-03	5.83E-06	7.00E-06	7.4483E-03
551683.5	4172964.72	15151.39145	68523.81999	6311.109683	41247.33254	1.63231	1.60096	9.46E-04	4.28E-03	2.96E-04	1.94E-03	5.12E-06	4.23E-06	7.4696E-03
551593.5	4172994.72	12159.06611	64530.09193	4460.35283	48234.39227	15.18407	13.34697	7.59E-04	4.03E-03	2.09E-04	2.27E-03	3.94E-05	4.27E-05	7.3468E-03
551665.23	4172962.34	16473.51325	64458.08407	6906.37397	41437.51083	1.94919	1.90559	1.03E-03	4.03E-03	3.24E-04	1.95E-03	5.06E-06	6.09E-06	7.3366E-03
551643.5	4172964.72	16643.45822	62018.37193	6883.28505	42897.52504	2.57386	2.49546	1.04E-03	3.87E-03	3.23E-04	2.01E-03	6.68E-06	7.98E-06	7.2658E-03
551693.5	4172964.72	14544.94026	67875.26586	6009.1789	39622.98207	1.48942	1.46284	9.08E-04	4.24E-03	2.82E-04	1.86E-03	3.86E-06	4.68E-06	7.2996E-03
551613.5	4172974.72	15018.38594	60632.73588	5794.2803	44202.12131	5.07398	4.76911	9.38E-04	3.79E-03	2.72E-04	2.08E-03	1.32E-05	1.52E-05	7.1016E-03
551633.5	4172964.72	16789.72793	59360.19719	6815.51137	41911.39179	3.02181	2.90986	1.05E-03	3.71E-03	3.20E-04	1.97E-03	7.84E-06	9.30E-06	7.0620E-03
551703.5	4172964.72	13876.99464	66108.74451	5683.29983	37795.87909	1.3671	1.3443	8.67E-04	4.13E-03	2.67E-04	1.78E-03	3.55E-06	4.30E-06	7.0457E-03
551563.5	4172884.72	81331.21839	17400.98346	10148.75781	13147.58305	10.1544	9.33204	5.08E-03	1.09E-03	4.77E-04	6.18E-04	2.63E-05	2.98E-05	7.3169E-03
551623.5	4172964.72	16832.20349	56494.46077	6655.05545	40552.362	3.65653	3.49081	1.05E-03	3.53E-03	3.13E-04	1.90E-03	9.49E-06	1.12E-05	6.8177E-03
551663.5	4172954.72	18297.48108	56481.92473	7638.37494	36705.89292	1.94251	1.89896	1.14E-03	3.53E-03	3.59E-04	1.72E-03	5.04E-06	6.07E-06	6.7644E-03
551653.5	4172954.72	18614.88047	55363.67431	7748.45391	37095.26357	2.17125	2.11747	1.16E-03	3.46E-03	3.64E-04	1.74E-03	5.63E-06	6.77E-06	6.7395E-03
551673.5	4172954.72	17984.90516	56903.80219	7483.11687	35935.98543	1.75752	1.72136	1.12E-03	3.55E-03	3.51E-04	1.69E-03	4.56E-06	5.50E-06	6.7267E-03
551713.5	4172964.72	13230.82234	63495.14909	5376.89536	36012.3334	1.26362	1.24379	8.26E-04	3.97E-03	2.53E-04	1.69E-03	3.28E-06	3.98E-06	6.7433E-03
551593.5	4172984.72	13527.16667	57009.60627	4894.32626	42609.58071	12.54757	11.15318	8.45E-04	3.56E-03	2.30E-04	2.00E-03	3.26E-05	3.57E-05	6.7049E-03
551603.5	4172974.72	15068.40732	55787.50582	5599.73285	41180.41703	6.95725	6.42483	9.41E-04	3.48E-03	2.63E-04	1.93E-03	1.80E-05	2.05E-05	6.6612E-03
551643.5	4172894.72	54547.4662	24657.71066	21005.1451	17267.26105	2.20303	2.14636	3.41E-03	1.54E-03	9.87E-04	8.11E-04	5.72E-06	6.86E-06	6.7571E-03
551653.5	4172894.72	54200.33522	24532.23031	21728.06478	16988.72198	2.00346	1.95497	3.39E-03	1.53E-03	1.02E-03	7.98E-04	5.20E-06	6.25E-06	6.7473E-03
551613.5	4172894.72	59475.30112	23407.76381	17308.03817	17021.27063	3.12234	3.01302	3.71E-03	1.46E-03	8.13E-04	7.99E-04	8.10E-06	9.63E-06	6.8068E-03
551663.5	4172894.72	54394.89596	24145.24155	22092.46377	16552.35664	1.82884	1.78675	3.40E-03	1.51E-03	1.04E-03	7.77E-04	4.74E-06	5.71E-06	6.7309E-03
551643.5	4172954.72	18959.40262	53348.37735	7803.83567	36894.24374	2.46638	2.39601	1.18E-03	3.33E-03	3.67E-04	1.73E-03	6.40E-06	7.66E-06	6.6296E-03
551623.5	4172894.72	56732.85613	24189.8831	18649.86581	17335.62856	2.72576	2.64394	3.54E-03	1.51E-03	8.76E-04	8.14E-04	7.07E-06	8.45E-06	6.7599E-03
551603.5	4172894.72	62463.94375	22488.11795	15370.9409	16506.4076	3.67038	3.51946	3.90E-03	1.40E-03	7.22E-04	7.75E-04	9.52E-06	1.12E-05	6.8237E-03
551633.5	4172894.72	54918.40523	24628.39382	19775.59363	17444.85857	2.43708	2.37045	3.43E-03	1.54E-03	9.29E-04	8.19E-04	6.32E-06	7.58E-06	6.7304E-03
551673.5	4172894.72	55237.53732	23415.2654	22155.84094	15895.66359	1.67563	1.63942	3.45E-03	1.46E-03	1.04E-03	7.47E-04	4.35E-06	5.24E-06	6.7092E-03
551683.5	4172954.72	17465.01188	56722.35553	7210.8732	34800.57638	1.59959	1.56908	1.09E-03	3.54E-03	3.39E-04	1.63E-03	4.15E-06	5.02E-06	6.6159E-03
551593.5	4172894.72	64394.68878	21603.40669	13358.76226	16003.87232	4.46657	4.24991	4.02E-03	1.35E-03	6.27E-04	7.52E-04	1.16E-05	1.36E-05	6.7755E-03
551613.5	4172964.72	16918.4115	53006.94638	6460.71617	38606.33441	4.61831	4.36082	1.06E-03	3.31E-03	3.03E-04	1.81E-03	1.20E-05	1.39E-05	6.5100E-03
551633.5	4172954.72	19173.69178	51283.34111	7730.9852	36189.65017	2.86704	2.76846	1.20E-03	3.20E-03	3.63E-04	1.70E-03	7.44E-06	8.85E-06	6.4797E-03
551693.5	4172954.72	16819.44461	55796.79203	6876.77345	33419.71801	1.46478	1.43874	1.05E-03	3.48E-03	3.23E-04	1.57E-03	3.80E-06	4.60E-06	6.4365E-03
551583.5	4172894.72	63972.95969	20819.13341	11893.88581	15540.06281	5.71225	5.37862	4.00E-03	1.30E-03	5.59E-04	7.30E-04	1.48E-05	1.72E-05	6.6164E-03
551623.5	4172954.72	19246.03261	49082.84487	7533.19635	35218.58148	3.41918	3.27583	1.20E-03	3.07E-03	3.54E-04	1.65E-03	8.87E-06	1.05E-05	6.2950E-03
551557.09	4172888.91	70563.19973	17257.61542	8944.04797	13100.64537	14.86924	13.40419	4.41E-03	1.08E-03	4.20E-04	6.15E-04	3.86E-05	4.28E-05	6.6019E-03
551653.5	4172944.72	21542.6283	47379.48934	8914.88491	32002.9712	2.11047	2.05936	1.35E-03	2.96E-03	4.19E-04	1.50E-03	5.47E-06	6.58E-06	6.2386E-03
551663.5	4172944.72	21252.39541	48013.65674	8816.25869	31535.96425	1.89727	1.85537	1.33E-03	3.00E-03	4.14E-04	1.48E-03	4.92E-06	5.93E-06	6.2323E-03
551643.5	4172944.72	21748.4066	46371.53521	8893.43979	32085.21655	2.37391	2.31007	1.36E-03	2.90E-03	4.18E-04	1.51E-03	6.16E-06	7.38E-06	6.1928E-03
551593.5	4172974.72	15129.281	50630.82652	5385.14945	37814.1355	10.50454	9.44357	9.45E-04	3.16E-03	2.53E-04	1.78E-03	2.73E-05	3.02E-05	6.1936E-03
551573.5	4172894.72	63700.89773	19800.10265	10439.90412	14887.9302	7.84232	7.27694	3.98E-03	1.24E-03	4.90E-04	6.99E-04	2.03E-05	2.33E-05	6.4484E-03
551603.5	4172964.72	17029.43932	49091.0022	6232.05275	36220.26086	6.17551	5.741	1.06E-03	3.07E-03	2.93E-04	1.70E-03	1.60E-05	1.84E-05	6.1580E-03
551703.5	4172954.72	16010.31755	54042.01896	6481.05252	31866.42428	3.36484	3.12441	1.00E-03	3.38E-03	3.04E-04	1.50E-03	8.73E-06	3.49E-06	6.1841E-03
551643.5	4172904.72	44265.11817	27574.02351	17286.54718	19253.92612	2.19276	2.13775	2.76E-03	1.72E-03	8.12E-04	9.04E-04	5.69E-06	6.83E-06	6.2156E-03
551673.5	4172944.72	20864.65701	48087.44327	8611.71376	30746.38301	1.72071	1.68561	1.30E-03	3.00E-03	4.04E-04	1.44E-03	4.46E-06	5.39E-06	6.1650E-03
551653.5	4172904.72	43857.93045	27576.78927	17643.82598	19010.78276	1.99027	1.94376	2.74E-03	1.72E-03	8.29E-04	8.93E-04	5.16E-06	6.21E-06	6.1946E-03
551633.5	4172904.72	44381.83343	27442.1568	16456.16468	19407.89057	2.43616	2.37031	2.77E-03	1.71E-03	7.73E-04	9.12E-04	6.32E-06	7.58E-06	6.1843E-03
551663.5	4172904.72	43700.56827	27284.84591	17715.08576	18594.02186	1.81422	1.77409	2.73E-03	1.70E-03	8.32E-04	8.73E-04	4.71E-06	5.67E-06	6.1493E-03
551623.5	4172904.72	45109.45182	26924.50445	15568.80196	19282.28546	2.74376	2.65888	2.82E-03	1.68E-03	7.31E-04	9.06E-04	7.12E-06	8.50E-06	6.1516E-03
551613.5	4172954.72	19305.4509	46476.60903	7268.71464	33826.49705	4.23937	4.02069	1.21E-03	2.90E-03	3.41E-04	1.59E-03	1.10E-05	1.29E-05	6.0626E-03
551673.5	4172904.72	43922.37097	26555.10037	17613.30733	17893.69234	1.66243	1.62763	2.74E-03	1.66E-03	8.27E-04	8.40E-04	4.31E-06	5.20E-06	6.0791E-03
551683.5	4172944.72	20338.96979	47544.46899	8312.93783	29705.20284	1.57153	1.54176	1.27E-03	2.97E-03	3.90E-04	1.40E-03	4.08E-06	4.93E-06	6.0345E-03
551613.5	4172904.72	45375.01449	26311.63112	14360.18702	19057.22341	3.16912	3.05352	2.83E-03	1.64E-03	6.74E-04	8.95E-04	8.22E-06	9.76E-06	6.0649E-03
551563.5	4172894.72	61620.2421	18765.87239	9244.38168	14202.08298	11.82169	10.74312	3.85E-03	1.17E-03	4.34E-04	6.67E-04	3.07E-05	3.43E-05	6.1869E-03
551643.5	4172914.72	36364.18731	31050.19873	14396.55151	21622.84836	2.20982	2.15433	2.27E-03	1.94E-03	6.76E-04	1.02E-03	5.73E-06	6.89E-06	5.9149E-03
551653.5	4172914.72	36053.87038	31177.29543	14598.01891	21396.65792	1.99891	1.95281	2.25E-03	1.95E-03	6.86E-04	1.00E-03	5.19E-06	6.24E-06	5.9011E-03
551713.5	4172954.72	15171.07571	51619.95857	6091.00151	30301.04388	1.24515	1.22564	9.48E-04	3.22E-03	2.86E-04	1.42E-03	3.23E-06	3.92E-06	5.8880E-03
551603.5	4172904.72	45811.46159	25451.01396	13128.26882	18627.23408	3.77892	3.61694	2.86E-03	1.59E-03	6.17E-04	8.75E-04	9.80E-06	1.16E-05	5.9637E-03
551633.5	4172914.72	36758.71256	30611.90687	13968.83252	21629.89001	2.46664	2.39886	2.30E-03	1.91E-03	6.56E-04	1.02E-03	6.40E-06	7.67E-06	5.8939E-03

Construction Health Risk Assessment Files

551693.5	4172944.72	19553.04413	46461.08864	7896.99101	28469.62357	1.44134	1.41579	1.22E-03	2.90E-03	3.71E-04	1.34E-03	3.74E-06	4.53E-06	5.8394E-03
551663.5	4172914.72	35753.77328	31012.38721	14542.79504	21001.90745	1.81713	1.77763	2.23E-03	1.94E-03	6.83E-04	9.86E-04	4.71E-06	5.68E-06	5.8499E-03
551643.5	4172924.72	30229.74049	35235.86818	12120.01567	24475.84443	2.24992	2.19276	1.89E-03	2.20E-03	5.69E-04	1.15E-03	5.84E-06	7.01E-06	5.8205E-03
551653.5	4172924.72	30011.30947	35523.93083	12242.44561	24275.47351	2.02517	1.97774	1.87E-03	2.22E-03	5.75E-04	1.14E-03	5.25E-06	6.32E-06	5.8199E-03
551673.5	4172934.72	24629.15947	40746.89545	10080.64495	26579.87889	1.69321	1.65887	1.54E-03	2.54E-03	4.73E-04	1.25E-03	4.39E-06	5.30E-06	5.8148E-03
551623.5	4172914.72	37027.11555	29960.19141	13279.64646	21456.99415	2.80761	2.7152	2.31E-03	1.87E-03	6.24E-04	1.01E-03	7.28E-06	8.68E-06	5.8813E-03
551593.5	4172964.72	17120.89811	44976.9681	5966.35494	33558.44552	9.00184	8.17679	1.07E-03	2.81E-03	2.80E-04	1.58E-03	2.34E-05	2.61E-05	5.7844E-03
551633.5	4172924.72	30581.27484	34513.93429	11866.16581	24364.46127	2.52659	2.45374	1.91E-03	2.16E-03	5.57E-04	1.14E-03	6.55E-06	7.84E-06	5.7818E-03
551593.5	4172904.72	46589.74581	24242.24192	11949.64997	17978.14302	4.70052	4.46125	2.91E-03	1.51E-03	5.61E-04	8.44E-04	1.22E-05	1.43E-05	5.8561E-03
551673.5	4172914.72	35533.56535	30427.99527	14310.09488	20356.25525	1.66143	1.62746	2.22E-03	1.90E-03	6.72E-04	9.56E-04	4.31E-06	5.20E-06	5.7575E-03
551622.9	4172933.22	26500.07496	37205.44848	9995.03912	26673.33152	3.05177	2.93795	1.66E-03	2.32E-03	4.69E-04	1.25E-03	7.92E-06	9.39E-06	5.7184E-03
551583.5	4172974.72	15215.70527	45306.02414	5161.27058	34202.41097	10.2383	15.92042	9.50E-04	2.83E-03	2.42E-04	1.61E-03	2.66E-05	5.09E-05	5.7063E-03
551623.5	4172924.72	30814.1729	33560.63982	11400.41201	24041.08228	2.90963	2.80798	1.92E-03	2.10E-03	5.35E-04	1.13E-03	7.55E-06	8.98E-06	5.7018E-03
551613.5	4172914.72	36918.90984	29190.86961	12350.36289	21154.94398	3.28656	3.15856	2.31E-03	1.82E-03	5.80E-04	9.94E-04	8.53E-06	1.01E-05	5.7213E-03
551683.5	4172934.72	24118.24193	39912.92799	9752.63749	25626.18436	1.5507	1.52132	1.51E-03	2.49E-03	4.58E-04	1.20E-03	4.02E-06	4.86E-06	5.6698E-03
551613.5	4172934.72	25733.54833	36602.89242	9296.2328	26563.41842	3.65913	3.49648	1.61E-03	2.29E-03	4.37E-04	1.25E-03	9.49E-06	1.12E-05	5.5983E-03
551703.5	4172944.72	18666.23014	44848.45259	7457.40954	27158.52808	1.32947	1.30733	1.17E-03	2.80E-03	3.50E-04	1.28E-03	3.45E-06	4.18E-06	5.6004E-03
551583.5	4172904.72	47114.80666	22981.7269	10776.85433	17161.31528	6.16387	5.78073	2.94E-03	1.44E-03	5.06E-04	8.06E-04	1.60E-05	1.85E-05	5.7247E-03
551613.5	4172924.72	30562.37752	32592.47464	10679.91077	23635.55231	3.4494	3.30659	1.91E-03	2.04E-03	5.02E-04	1.11E-03	8.95E-06	1.06E-05	5.5757E-03
551603.5	4172914.72	36974.9867	28118.70974	11406.8094	20600.21837	3.98333	3.80014	2.31E-03	1.76E-03	5.36E-04	9.68E-04	1.03E-05	1.21E-05	5.5914E-03
551693.5	4172934.72	23199.01526	39227.21351	9247.46214	24540.81947	1.42572	1.4004	1.45E-03	2.45E-03	4.34E-04	1.15E-03	3.70E-06	4.48E-06	5.4941E-03
551573.5	4172904.72	47514.05616	21603.54351	9559.63921	16264.66762	8.81095	8.10682	2.97E-03	1.35E-03	4.49E-04	7.64E-04	2.29E-05	2.59E-05	5.5786E-03
551603.5	4172934.72	25781.70884	34791.80277	8770.88289	25550.11677	4.58612	4.33962	1.61E-03	2.17E-03	4.12E-04	1.20E-03	1.19E-05	1.39E-05	5.4210E-03
551603.5	4172924.72	30489.79715	31249.90199	9953.78026	22917.51904	4.24686	4.03636	1.90E-03	1.95E-03	4.68E-04	1.08E-03	1.10E-05	1.29E-05	5.4239E-03
551583.5	4172964.72	17219.35975	40724.16157	5682.65732	30691.18499	14.94659	13.17522	1.08E-03	2.54E-03	2.67E-04	1.44E-03	3.88E-05	4.21E-05	5.4083E-03
551593.5	4172914.72	37184.95109	26790.78566	10476.66281	19823.98708	5.04947	4.77032	2.32E-03	1.67E-03	4.92E-04	9.31E-04	1.31E-05	1.52E-05	5.4473E-03
551713.5	4172944.72	17693.67076	42816.79625	7012.80148	25849.673	1.23208	1.21274	1.11E-03	2.67E-03	3.29E-04	1.21E-03	3.20E-06	3.88E-06	5.3299E-03
551593.5	4172944.72	22380.40935	36158.95567	7373.58993	26889.84933	6.85142	6.34261	1.40E-03	2.26E-03	3.46E-04	1.26E-03	1.78E-05	2.03E-05	5.3036E-03
551703.5	4172934.72	22064.98625	37750.81716	8688.12201	23387.92505	1.3162	1.29421	1.38E-03	2.36E-03	4.08E-04	1.10E-03	3.41E-06	4.14E-06	5.2500E-03
551593.5	4172924.72	30683.09016	29560.61432	9254.31147	21903.90247	5.50529	5.17249	1.92E-03	1.85E-03	4.35E-04	1.03E-03	1.43E-05	1.65E-05	5.2569E-03
551563.5	4172904.72	47213.67567	20250.6411	8439.47155	15353.86378	14.13547	12.68789	2.95E-03	1.26E-03	3.96E-04	7.21E-04	3.67E-05	4.06E-05	5.4084E-03
551593.5	4172934.72	25932.42313	32687.15312	8228.36231	24260.79135	6.08874	5.68335	1.62E-03	2.04E-03	3.86E-04	1.14E-03	1.58E-05	1.82E-05	5.2211E-03
551583.5	4172914.72	37228.88631	25247.46802	9544.74597	18926.91392	6.78479	6.32414	2.33E-03	1.58E-03	4.48E-04	8.89E-04	1.76E-05	2.02E-05	5.2772E-03
551703.5	4172924.72	26569.91277	31913.26201	10298.2154	20330.94362	1.30773	1.28576	1.66E-03	1.99E-03	4.84E-04	9.55E-04	3.39E-06	4.11E-06	5.0988E-03
551583.5	4172944.72	22376.63884	33523.64705	6901.26665	25161.92293	10.22682	9.2578	1.40E-03	2.09E-03	3.24E-04	1.18E-03	2.65E-05	2.96E-05	5.0535E-03
551583.5	4172924.72	30627.32017	27833.59692	8509.917	20810.2497	7.60079	7.03138	1.91E-03	1.74E-03	4.00E-04	9.77E-04	1.97E-05	2.25E-05	5.0706E-03
551573.5	4172914.72	36865.08723	23792.06947	8637.78544	17984.5722	9.78939	8.97003	2.30E-03	1.49E-03	4.06E-04	8.45E-04	2.54E-05	2.87E-05	5.0930E-03
551713.5	4172934.72	20830.02222	35986.11449	8140.19837	22247.55837	1.22074	1.20149	1.30E-03	2.25E-03	3.82E-04	1.04E-03	3.17E-06	3.84E-06	4.9829E-03
551583.5	4172934.72	25842.91603	30598.55991	7628.25228	22916.45438	8.66241	7.94539	1.61E-03	1.91E-03	3.58E-04	1.08E-03	2.25E-05	2.54E-05	5.0077E-03
551565.79	4172915.74	36727.91684	22488.93824	7910.71388	17057.62278	15.15319	13.56103	2.29E-03	1.40E-03	3.72E-04	8.01E-04	3.93E-05	4.33E-05	4.9539E-03
551575.79	4172944.97	22369.73737	31215.64745	6535.70194	23736.23156	15.42568	13.66235	1.40E-03	1.95E-03	3.07E-04	1.11E-03	4.00E-05	4.37E-05	4.8523E-03
551573.5	4172924.72	30480.87814	25895.37057	7791.24632	19614.12612	11.45782	10.39103	1.90E-03	1.62E-03	3.66E-04	9.21E-04	2.97E-05	3.32E-05	4.8712E-03
551573.5	4172934.72	26107.371	27980.47894	7091.11248	21271.47599	14.24764	12.71839	1.63E-03	1.75E-03	3.33E-04	9.99E-04	3.70E-05	4.07E-05	4.7879E-03

CONCUNIT ug/ m^3
DEPUNIT g/m^ 2

Midway Village Project—New Phase 3 Receptors Scenario

New Phase 3 Receptors: Exposed to Phases 4 Demolition and Phases 4 Construction
Construction Annual Total PM2.5 Emissions (PM2.5 Total)

Mitigated Concentrations

Annual Average Onsite Total PM2.5 Emission Rate—Demolition Area 4A (Part 1 of 2 Phase 4) (grams/m2/sec):	1.28E-07
Annual Average Onsite Total PM2.5 Emission Rate—Demolition Area 4A (Part 2 of 2 Phase 4 – Phase 4/5) (grams/m2/sec):	1.28E-07
Annual Average Onsite Total PM2.5 Emission Rate—Construction Area 4B and Area 2B/4B (Phase 4) (grams/m2/sec):	4.93E-07
Annual Average Onsite Total PM2.5 Emission Rate—Construction Area 4B (Phase 4/5) (grams/m2/sec):	4.93E-07
Annual Average Offsite Total PM2.5 Emission Rate - Road Segment 1 (grams/sec):	1.07E-04
Annual Average Offsite Total PM2.5 Emission Rate - Road Segment 2 (grams/sec):	1.08E-04

Mitigated PM2.5 Concentrations

Maximum DPM (ug/m3)	MIR UTM X	MIR UTM Y
6.7066E-02	551653.5	4172854.72

UTM 551653.50 4172854.72
Latitude, Longitude 37°42'05.3"N 122°24'50.6"W

X	Y	Unit Emissions Construction Area 4B and Area 2B/4B (Phase 4) AREA6	Unit Emissions Construction Area 4B (Phase 4/5) AREA7	Unit Emissions Demolition Area 4A (Part 1 of 2 Phase 4) AREA12	Unit Emissions Demolition Area 4A (Part 2 of 2 Phase 4 – Phase 4/5) AREA13	Unit Emissions Route 1 - From the project site towards US-101 LINE1	Unit Emissions Route 2 - From US-101 towards the project site LINE2	Construction Area 4B and Area 2B/4B (Phase 4) Annual PM2.5 w/Actual Emissions (ug/m3)	Construction Area 4B (Phase 4/5) Annual PM2.5 w/Actual Emissions (ug/m3)	Demolition Area 4A (Part 1 of 2 Phase 4) Annual PM2.5 w/Actual Emissions (ug/m3)	Demolition Area 4A (Part 2 of 2 Phase 4 – Phase 4/5) Annual PM2.5 w/Actual Emissions (ug/m3)	Route 1 - From the project site towards US-101 Annual PM2.5 w/Actual Emissions (ug/m3)	Route 2 - From US-101 towards the project site Annual PM2.5 w/Actual Emissions (ug/m3)	Total PM2.5 (ug/m3)
551653.5	4172854.72	171160.9474	15302.62024	75631.6828	10789.81499	2.55867	2.45464	2.20E-02	1.97E-03	3.73E-02	5.32E-03	2.74E-04	2.66E-04	6.7066E-02
551642.42	4172857.32	168854.3696	15857.9813	55461.88347	11280.28439	2.82339	2.70983	2.17E-02	2.04E-03	2.73E-02	5.56E-03	3.02E-04	2.93E-04	5.7203E-02
551663.5	4172864.72	127140.9131	16558.28551	60112.05977	11531.02997	2.07301	2.00768	1.63E-02	2.13E-03	2.99E-02	5.68E-03	2.22E-04	2.17E-04	5.4192E-02
551623.5	4172864.72	150752.1953	17139.0347	33499.60394	12381.26081	3.15843	3.03992	1.94E-02	2.20E-03	1.65E-02	6.10E-03	3.38E-04	3.29E-04	4.4837E-02
551653.5	4172864.72	127122.9094	17034.3902	55744.65149	11961.10186	2.29772	2.22121	1.63E-02	2.19E-03	2.75E-02	5.89E-03	2.46E-04	2.41E-04	5.2358E-02
551633.5	4172864.72	142880.1694	17141.02108	39450.07879	12270.92691	2.85825	2.7531	1.84E-02	2.20E-03	1.94E-02	6.04E-03	3.06E-04	2.98E-04	4.6640E-02
551643.5	4172864.72	132824.8506	17179.04991	47329.55784	12177.13308	2.55946	2.46879	1.71E-02	2.21E-03	2.33E-02	6.00E-03	2.74E-04	2.67E-04	4.9125E-02
551613.28	4172867.43	143262.8036	17559.14543	27064.34328	12787.57987	3.39651	3.27143	1.84E-02	2.26E-03	1.33E-02	6.30E-03	3.64E-04	3.54E-04	4.1010E-02
551593.5	4172874.72	125142.3651	18022.09582	17273.91852	13333.44573	4.27246	4.09094	1.61E-02	2.32E-03	8.51E-03	6.57E-03	4.58E-04	4.43E-04	3.4370E-02
551603.5	4172874.72	121565.8542	18431.04637	20111.71631	13532.15084	3.68645	3.54328	1.56E-02	2.37E-03	9.91E-03	6.67E-03	3.95E-04	3.84E-04	3.5337E-02
551613.5	4172874.72	115392.7258	18749.63794	23515.78421	13650.02429	3.26337	3.14928	1.48E-02	2.41E-03	1.16E-02	6.72E-03	3.50E-04	3.41E-04	3.6232E-02
551623.5	4172874.72	108964.8526	18963.2319	27424.93765	13677.96604	2.92288	2.82576	1.40E-02	2.44E-03	1.35E-02	6.74E-03	3.13E-04	3.06E-04	3.7301E-02
551633.5	4172874.72	100308.2878	19277.3485	32898.00188	13755.45217	2.61213	2.52837	1.29E-02	2.48E-03	1.62E-02	6.78E-03	2.80E-04	2.74E-04	3.8898E-02
551663.5	4172874.72	93583.82466	18793.43592	40814.11138	13003.72674	1.94441	1.89083	1.20E-02	2.41E-03	2.01E-02	6.41E-03	2.08E-04	2.05E-04	4.1361E-02
551582.9	4172876.82	119202.6705	17717.11117	14284.83729	13210.92076	5.26122	4.99668	1.53E-02	2.28E-03	7.04E-03	6.51E-03	5.64E-04	5.41E-04	3.2239E-02
551653.5	4172874.72	92342.38448	19259.41152	38620.36698	13446.05582	2.14011	2.07782	1.19E-02	2.47E-03	1.90E-02	6.62E-03	2.29E-04	2.25E-04	4.0440E-02
551643.5	4172874.72	93314.35474	19532.01088	35815.45092	13767.61535	2.35828	2.28678	1.20E-02	2.51E-03	1.76E-02	6.78E-03	2.53E-04	2.48E-04	3.9422E-02
551693.5	4172974.72	12791.52317	84215.72722	5333.92456	47761.36029	1.52151	1.49419	1.64E-03	1.08E-02	2.63E-03	2.35E-02	1.63E-04	1.62E-04	3.8942E-02
551640.9	4172976.02	14392.86669	74546.30272	5956.04897	51264.08648	2.81444	2.71804	1.85E-03	9.58E-03	2.93E-03	2.53E-02	3.01E-04	2.94E-04	4.0208E-02
551620.9	4172984.07	13371.03228	74214.48599	5315.95984	53131.58901	4.51445	4.27162	1.72E-03	9.53E-03	2.62E-03	2.62E-02	4.84E-04	4.63E-04	4.0990E-02
551666.91	4172969.1	14951.79473	73025.47575	6289.01062	46369.51717	1.94843	1.90511	1.92E-03	9.38E-03	3.10E-03	2.28E-02	2.09E-04	2.06E-04	3.7657E-02
551593.5	4172884.72	90714.14235	19597.39115	14947.06603	14512.60282	4.30405	4.11621	1.17E-02	2.52E-03	7.36E-03	7.15E-03	4.61E-04	4.46E-04	2.9590E-02
551603.5	4172884.72	87377.67556	20181.88206	17189.06893	14822.41096	3.62927	3.49578	1.12E-02	2.59E-03	8.47E-03	7.30E-03	3.89E-04	3.79E-04	3.0354E-02
551633.5	4172974.72	14820.81442	69392.6607	6046.1339	49016.81233	3.19472	3.06791	1.90E-03	8.91E-03	2.98E-03	2.41E-02	3.42E-04	3.32E-04	3.8617E-02
551613.5	4172884.72	83088.70188	20723.27148	19938.53233	15077.33554	3.15506	3.0481	1.07E-02	2.66E-03	9.82E-03	7.43E-03	3.38E-04	3.30E-04	3.1254E-02
551705.66	4172972.34	12487.38069	77956.34148	5147.26632	43155.76243	1.36359	1.34107	1.60E-03	1.00E-02	2.54E-03	2.13E-02	1.45E-04	1.45E-04	3.5705E-02
551583.5	4172884.72	91591.03884	18972.50994	13121.47061	14151.76206	5.35955	5.07764	1.18E-02	2.44E-03	6.46E-03	6.97E-03	5.74E-04	5.50E-04	2.8763E-02
551623.5	4172884.72	77577.76606	21313.56729	23538.04772	15336.11353	2.77312	2.68734	9.97E-03	2.74E-03	1.16E-02	7.55E-03	2.97E-04	2.91E-04	3.2442E-02
551611.12	4172984.72	13483.81733	68168.28343	5201.94054	49887.6405	6.06349	5.64898	1.73E-03	8.76E-03	2.56E-03	2.46E-02	6.49E-04	6.12E-04	3.8888E-02
551673.5	4172884.72	70899.73649	20804.36417	28709.66638	14223.83968	1.70663	1.66727	9.11E-03	2.67E-03	1.41E-02	7.01E-03	1.83E-04	1.81E-04	3.3294E-02
551633.5	4172884.72	71660.57156	21930.23361	25056.30713	15570.6864	2.48654	2.41491	9.21E-03	2.82E-03	1.23E-02	7.67E-03	2.62E-04	2.62E-04	3.2564E-02
551663.5	4172884.72	69203.37071	21456.24079	28462.99091	14788.79893	1.86598	1.82035	8.89E-03	2.76E-03	1.40E-02	7.28E-03	2.00E-04	1.97E-04	3.3350E-02
551623.5	4172974.72	14865.96092	65502.86521	5920.95331	46934.49359	3.92941	3.73919	1.91E-03	8.42E-03	2.92E-03	2.31E-02	4.21E-04	4.05E-04	3.7187E-02
551653.5	4172884.72	68535.83538	21881.29455	27577.54444	15218.67153	2.04488	1.99207	8.80E-03	2.81E-03	1.36E-02	7.50E-03	2.19E-04	2.16E-04	3.3132E-02
551673.5	4172964.72	15650.48767	68160.17883	6557.12775	42486.31075	1.80014	1.76262	2.01E-03	8.76E-03	3.23E-03	2.09E-02	1.93E-04	1.91E-04	3.5310E-02
551643.5	4172884.72	68813.32009	22088.90226	26225.5143	15516.39209	2.24736	2.18636	8.84E-03	2.84E-03	1.29E-02	7.64E-03	2.41E-04	2.37E-04	3.2718E-02
551573.5	4172884.72	88882.8464	18248.41243	11548.4961	13702.1315	7.0875	6.62653	1.14E-02	2.34E-03	5.69E-03	6.75E-03	7.59E-04	7.18E-04	2.7678E-02
551601.77	4172988.4	12964.18533	65568.99829	4863.37565	48512.77567	8.99045	8.17545	1.67E-03	8.42E-03	2.40E-03	2.39E-02	9.63E-04	8.85E-04	3.8231E-02
551653.5	4172964.72	16325.57042	64933.92054	6826.90991	43425.45841	2.24557	2.1886	2.10E-03	8.34E-03	3.36E-03	2.14E-02	2.41E-04	2.37E-04	3.5671E-02
551683.5	4172964.72	15151.39145	68529.8599	6311.09683	41247.33254	1.63231	1.60096	1.95E-03	8.80E-03	3.11E-03	2.03E-02	1.75E-04	1.73E-04	3.4526E-02
551593.5	4172994.72	12159.06611	64530.09193	4460.35283	48234.39227	15.18407	13.34697	1.56E-03	8.29E-03	2.20E-03	2.38E-02	1.63E-03	1.45E-03	3.8882E-02
551665.23	4172962.34	16473.51325	64458.08407	6906.37397	41437.51083	1.94919	1.90559	2.12E-03	8.28E-03	3.40E-03	2.04E-02	2.09E-04	2.06E-04	3.4627E-02
551643.5	4172964.72	16643.45822	62011.43793	6883.28505	42897.52504	2.57386	2.49546	2.14E-03	7.97E-03	3.39E-03	2.45E-02	2.11E-04	2.06E-04	3.5174E-02
551693.5	4172964.72	14544.94026	67875.26586	6009.1789	39622.98207	1.48942	1.46284	1.87E-03	8.72E-03	2.96E-03	1.95E-02	1.60E-04	1.58E-04	3.3385E-02
551613.5	4172974.72	15018.38594	60632.73588	5794.2803	44202.12131	5.07398	4.76931	1.93E-03	7.79E-03	2.85E-03	2.18E-02	5.43E-04	5.17E-04	3.5407E-02
551633.5	4172964.72	16789.72793	59360.19719	6815.51137	41913.39179	3.02181	2.90986	2.16E-03	7.63E-03	3.36E-03	2.06E-02	3.24E-04	3.15E-04	3.4426E-02
551703.5	4172964.72	13876.99464	66108.74451	5683.29983	37795.87909	1.3671	1.3443	1.78E-03	8.49E-03	2.80E-03	1.86E-02	1.46E-04	1.46E-04	3.1986E-02
551563.5	4172884.72	81331.21839	17400.98346	10148.75781	13147.58305	10.1544	9.33204	1.04E-02	2.24E-03	5.00E-03	6.48E-03	1.09E-03	1.01E-03	2.6258E-02
551623.5	4172964.72	16832.20349	56494.46077	6655.05545	40552.362	3.65653	3.49081	2.16E-03	7.26E-03	3.28E-03	2.00E-02	3.92E-04	3.78E-04	3.3444E-02
551663.5	4172954.72	18297.49108	56481.92473	7638.37494	36705.89292	1.94251	1.89896	2.35E-03	7.26E-03	3.76E-03	1.81E-02	2.08E-04	2.06E-04	3.1865E-02
551653.5	4172954.72	18614.88047	55368.97431	7748.45391	37095.26357	2.17125	2.11747	2.39E-03	7.11E-03	3.82E-03	1.83E-02	2.33E-04	2.29E-04	3.2057E-02
551673.5	4172954.72	17984.90516	56903.80219	7483.11687	35935.98543	1.75752	1.72136	2.31E-03	7.31E-03	3.69E-03	1.77E-02	1.88E-04	1.86E-04	3.1384E-02
551713.5	4172964.72	13230.82234	63495.14909	5376.89536	36012.3334	1.26362	1.24379	1.70E-03	8.16E-03	2.65E-03	1.77E-02	1.35E-04	1.35E-04	3.0515E-02
551593.5	4172984.72	13527.16667	57009.40627	4894.32626	42609.58071	12.57457	11.15318	1.74E-03	7.32E-03	2.41E-03	2.10E-02	1.34E-03	1.21E-03	3.5014E-02
551603.5	4172974.72	15068.40732	55787.50582	5599.73285	41180.41703	6.95725	6.42483	1.94E-03	7.17E-03	2.76E-03	2.03E-02	7.45E-04	6.96E-04	3.3588E-02
551643.5	4172894.72	54547.4662	24657.71066	21005.1451	17267.26105	2.20303	2.14636	7.01E-03	3.17E-03	1.03E-02	8.51E-03	2.36E-04	2.32E-04	2.9497E-02
551653.5	4172894.72	54200.33522	24532.22031	21728.06478	16988.72198	2.00346	1.95497	6.96E-03	3.15E-03	1.07E-02	8.37E-03	2.15E-04	2.12E-04	2.9613E-02
551613.5	4172894.72	59475.30112	23407.76381	17308.03817	17021.27063	3.12234	3.01302	7.64E-03	3.01E-03	8.53E-03	8.38E-03	3.34E-04	3.26E-04	2.8219E-02
551663.5	4172894.72	54394.89596	24145.24155	22092.46377	16552.35664	1.82884	1.78675	6.99E-03	3.10E-03	1.09E-02	8.15E-03	1.96E-04	1.94E-04	2.9516E-02
551643.5	4172954.72	18959.40262	53348.37735	7803.43567	36894.24374	2.46638	2.39601	2.44E-03	6.85E-03	3.84E-03	1.82E-02	2.60E-04	2.56E-04	3.1831E-02
551623.5	4172894.72	56732.85613	24189.8831	18649.86581	17335.62856	2.72576	2.64394	7.29E-03	3.11E-03	9.19E-03	8.54E-03	2.92E-04	2.86E-04	2.8701E-02
551603.5	4172894.72	62461.94375	22488.11226	15370.8409	16506.4076	3.67038	3.51946	8.02E-03	2.89E-03	7.57E-03	8.13E-03	3.93E-04	3.81E-04	2.7391E-02
551633.5	4172894.72	54918.40523	24628.39382	19775.59363	17444.85857	2.43708	2.37045	7.06E-03	3.16E-03	9.74E-03	8.59E-03	2.61E-04	2.57E-04	2.9072E-02
551673.5	4172894.72	55237.53732	23415.2654	22155.84094	15895.66359	1.67563	1.63942	7.10E-03	3.01E-03	1.09E-02	7.83E-03	1.79E-04	1.78E-04	2.9206E-02
551683.5	4172954.72	17465.01188	56722.33353	7211.63732	34800.57638	1.59959	1.56908	2.24E-03	7.29E-03	3.55E-03	1.71E-02	1.72E-04	1.70E-04	3.0567E-02
551593.5	4172894.72	64394.68878	21603.40669	13358.76226	16003.87232	4.46657	4.24991	8.27E-03	2.78E-03	6.58E-03	7.88E-03	4.78E-04	4.60E-04	2.6451E-02
551613.5	4172964.72	16918.4115	53006.94638	6460.71617	38606.33441	4.61831	4.36082	2.17E-03	6.81E-03	3.18E-03	1.90E-02	4.95E-04	4.72E-04	3.2150E-02
551633.5	4172954.72	19173.69178	51283.34111	7730.9852	36189.65017	2.86704	2.76846	2.46E-03	6.59E-03	3.81E-03	1.78E-02	3.07E-04	3.00E-04	3.1294E-02
551693.5	4172954.72	16819.44461	55796.79203	6876.77345	33419.71801	1.46478	1.43874	2.16E-03	7.17E-03	3.39E-03	1.65E-02	1.57E-04	1.56E-04	2.9492E-02
551583.5	4172894.72	63972.95969	20819.13341	11893.88581	15540.06281	5.71225	5.37862	8.22E-03	2.67E-03	5.86E-03	7.66E-03	6.12E-04	5.83E-04	2.5601E-02
551623.5	4172954.72	19240.03261	49082.84487	7533.19635	35218.58148	3.41918	3.27583	2.47E-03	6.31E-03	3.71E-03	1.73E-02	3.66E-04	3.55E-04	3.0559E-02
551557.09	4172888.91	70563.19973	17257.61542	8944.04797	13100.64537	14.86924	13.40419	9.07E-03	2.22E-03	4.41E-03	6.45E-03	1.59E-03	1.45E-03	2.5186E-02
551653.5	4172944.72	21542.6283	47379.48934	8914.88491	32002.9712	2.11047	2.05936	2.77E-03	6.09E-03	4.39E-03	1.58E-02	2.26E-04	2.23E-04	2.9460E-02
551663.5	4172944.72	21252.95541	48013.65674	8816.25869	31535.96425	1.89727	1.85537	2.73E-03	6.17E-03	4.34E-03	1.55E-02	2.03E-04	2.01E-04	2.9180E-02
551643.5	4172944.72	21748.4066	46371.53521	8893.43979	32085.21655	2.37391	2.31007	2.79E-03	5.96E-03	4.38E-03	1.58E-02	2.54E-04	2.50E-04	2.9442E-02
551593.5	4172974.72	15129.281	50630.82652	5385.14945	37814.1355	10.50454	9.44357	1.94E-03	6.50E-03	2.65E-03	1.86E-02	1.13E-03	1.02E-03	3.1876E-02
551573.5	4172894.72	63700.89773	19800.10265	10439.09412	14887.3902	7.84232	7.27694	8.18E-03	2.54E-03	5.14E-03	7.33E-03	8.40E-04	7.88E-04	2.4832E-02
551603.5	4172964.72	17029.43932	49091.0022	6232.05275	36220.26086	6.17551	5.741	2.19E-03	6.31E-03	3.07E-03	1.78E-02	6.61E-04	6.22E-04	3.0690E-02
551703.5	4172954.72	16010.31755	54042.01896	6481.05252	31866.42428	1.34684	1.32441	2.06E-03	6.94E-03	3.19E-03	1.57E-02	1.44E-04	1.43E-04	2.8177E-02
551643.5	4172904.72	44265.11817	27574.02351	17286.54718	19253.92612	2.19276	2.13775	5.69E-03	3.54E-03	8.52E-03	9.48E-03	2.35E-04	2.32E-04	2.7695E-02
551673.5	4172944.72	20864.65701	48087.44327	8611.71376	30746.38301	1.72071	1.68561	2.68E-03	6.18E-03	4.24E-03	1.51E-02	1.84E-04	1.83E-04	2.8613E-02
551653.5	4172904.72	43857.93045	27576.78927	17643.82598	19010.78276	1.99027	1.94376	5.63E-03	3.54E-03	8.69E-03	9.36E-03	2.13E-04	2.11E-04	2.7657E-02
551633.5	4172904.72	44381.83343	27442.1568	16456.16468	19407.89057	2.43616	2.37031	5.70E-03	3.53E-03	8.11E-03	9.56E-03	2.61E-04	2.57E-04	2.7411E-02
551663.5	4172904.72	43700.56827	27284.84591	17715.08576	18594.02186	1.81422	1.77409	5.61E-03	3.51E-03	8.73E-03	9.16E-03	1.94E-04	1.92E-04	2.7392E-02
551623.5	4172904.72	45109.45182	26924.50445	15568.80196	19282.28546	2.74376	2.65888	5.80E-03	3.46E-03	7.67E-03	9.50E-03	2.94E-04	2.88E-04	2.7004E-02
551613.5	4172954.72	19305.4509	46476.60903	7268.71464	33826.49705	4.23937	4.02069	2.48E-03	5.97E-03	3.58E-03	1.67E-02	4.54E-04	4.35E-04	2.9584E-02
551673.5	4172904.72	43922.37097	26555.10037	17613.307 33	17893.69234	1.66243	1.62763	5.64E-03	3.41E-03	8.68E-03	8.81E-03	1.78E-04	1.76E-04	2.6899E-02
551683.5	4172944.72	20838.36979	47544.46899	8312.93783	29705.20284	1.57153	1.54176	2.61E-03	6.11E-03	4.09E-03	1.46E-02	1.68E-04	1.67E-04	2.7784E-02
551613.5	4172904.72	45375.01449	26311.63112	14360.18702	19057.22341	3.16912	3.05352	5.83E-03	3.38E-03	7.07E-03	9.39E-03	3.39E-04	3.31E-04	2.6341E-02
551563.5	4172894.72	61620.2421	18765.87239	9244.38168	14202.08298	11.82169	10.74312	7.92E-03	2.41E-03	4.55E-03	7.00E-03	1.27E-03	1.16E-03	2.4307E-02
551643.5	4172914.72	36364.18731	31050.19873	14396.55151	21622.84836	2.20982	2.15433	4.67E-03	3.99E-03	7.09E-03	1.07E-02	2.37E-04	2.33E-04	2.6874E-02
551653.5	4172914.72	36053.87038	31177.29543	14598.01891	21396.65792	1.99891	1.95281	4.63E-03	4.01E-03	7.19E-03	1.05E-02	2.14E-04	2.11E-04	2.6794E-02
551713.5	4172954.72	15171.07571	51619.95857	6091.00151	30301.04388	1.24515	1.22564	1.95E-03	6.63E-03	3.00E-03	1.49E-02	1.33E-04	1.33E-04	2.6773E-02
551603.5	4172904.72	45811.46159	25451.01396	13128.26882	18627.23408	3.77892	3.61694	5.89E-03	3.27E-03	6.47E-03	9.18E-03	4.05E-04	3.92E-04	2.5594E-02
551633.5	4172914.72	36758.71256	30611.90687	13968.83252	21629.89001	2.46664	2.39886	4.72E-03	3.93E-03	6.88E-03	1.07E-02	2.64E-04	2.60E-04	2.6715E-02
551693.5	4172944.72	19553.04413	46461.08864	7896.99101	28469.62357	1.44134	1.41579	2.51E-03	5.97E-03	3.89E-03	1.40E-02	1.54E-04	1.53E-04	2.6703E-02

Construction Health Risk Assessment Files

551663.5	4172914.72	35753.77328	31012.38721	14542.79504	21001.90745	1.81713	1.77763	4.59E-03	3.98E-03	7.16E-03	1.03E-02	1.95E-04	1.93E-04	2.6474E-02
551643.5	4172924.72	30229.74049	35235.86818	12120.01567	24475.84443	2.24992	2.19276	3.88E-03	4.53E-03	5.97E-03	1.21E-02	2.41E-04	2.37E-04	2.6916E-02
551653.5	4172924.72	30011.30947	35523.93083	12242.44561	24275.47351	2.02517	1.97774	3.86E-03	4.56E-03	6.03E-03	1.20E-02	2.17E-04	2.14E-04	2.6839E-02
551673.5	4172934.72	24629.15947	40746.89545	10080.64495	26579.87889	1.69321	1.65887	3.16E-03	5.23E-03	4.97E-03	1.31E-02	1.81E-04	1.80E-04	2.6819E-02
551623.5	4172914.72	37027.11555	29960.19141	13279.64646	21456.99415	2.80761	2.7152	4.76E-03	3.85E-03	6.54E-03	1.06E-02	3.01E-04	2.94E-04	2.6312E-02
551593.5	4172964.72	171.20.89811	44976.9681	5966.35494	33558.44552	9.00184	8.17679	2.20E-03	5.78E-03	2.94E-03	1.65E-02	9.64E-04	8.86E-04	2.9297E-02
551633.5	4172924.72	30581.27484	34513.93429	11866.16581	24364.46127	2.52659	2.45374	3.93E-03	4.43E-03	5.85E-03	1.20E-02	2.71E-04	2.66E-04	2.6746E-02
551593.5	4172904.72	46589.74581	24242.24192	11949.64997	17978.14302	4.70052	4.46125	5.99E-03	3.11E-03	5.89E-03	8.86E-03	5.03E-04	4.83E-04	2.4829E-02
551673.5	4172914.72	35533.56535	30427.99527	14310.09488	20356.25525	1.66143	1.62746	4.56E-03	3.91E-03	7.05E-03	1.00E-02	1.78E-04	1.76E-04	2.5905E-02
551622.9	4172933.22	26500.07496	37205.44848	9995.03912	26673.33152	3.05177	2.93795	3.40E-03	4.78E-03	4.92E-03	1.31E-02	3.27E-04	3.18E-04	2.6892E-02
551583.5	4172974.72	15215.70527	45306.02414	5161.27058	34202.41097	10.2383	15.92042	1.95E-03	5.82E-03	2.54E-03	1.68E-02	1.10E-03	1.72E-03	2.9987E-02
551623.5	4172924.72	30814.1729	33560.63982	11400.41201	24041.08228	2.90963	2.80798	3.96E-03	4.31E-03	5.62E-03	1.18E-02	3.12E-04	3.04E-04	2.6344E-02
551613.5	4172914.72	36918.90984	29190.86961	12350.36289	21154.94398	3.28656	3.15856	4.74E-03	3.75E-03	6.08E-03	1.04E-02	3.52E-04	3.42E-04	2.5692E-02
551683.5	4172934.72	24118.24193	39912.92799	9752.63749	25626.18436	1.5507	1.52132	3.10E-03	5.13E-03	4.80E-03	1.26E-02	1.66E-04	1.65E-04	2.5985E-02
551613.5	4172934.72	25733.54833	36602.89242	9296.2328	26563.41842	3.65913	3.49648	3.31E-03	4.70E-03	4.58E-03	1.31E-02	3.92E-04	3.79E-04	2.6443E-02
551703.5	4172944.72	18666.23014	44848.45259	7457.40954	27158.52808	1.32947	1.30733	2.40E-03	5.76E-03	3.67E-03	1.34E-02	1.42E-04	1.42E-04	2.5496E-02
551583.5	4172904.72	47114.80666	22981.7269	10776.85433	17161.31528	6.16387	5.78073	6.05E-03	2.95E-03	5.31E-03	8.45E-03	6.60E-04	6.26E-04	2.4054E-02
551613.5	4172924.72	30562.37752	32592.47464	10679.91077	23635.55231	3.4494	3.31069	3.93E-03	4.19E-03	5.26E-03	1.16E-02	3.69E-04	3.58E-04	2.5745E-02
551603.5	4172914.72	36974.9867	28118.70974	11406.8094	20600.21837	3.98333	3.80014	4.75E-03	3.61E-03	5.62E-03	1.01E-02	4.27E-04	4.12E-04	2.4967E-02
551693.5	4172934.72	23199.01526	39227.21351	9247.46214	24540.81947	1.42572	1.4004	2.98E-03	5.04E-03	4.56E-03	1.21E-02	1.53E-04	1.52E-04	2.4968E-02
551573.5	4172904.72	47514.05616	21603.54351	9559.63921	16264.66762	8.81095	8.10682	6.10E-03	2.78E-03	4.71E-03	8.01E-03	9.44E-04	8.78E-04	2.3422E-02
551603.5	4172934.72	25781.70884	34791.80277	8770.88289	25550.11677	4.58612	4.33962	3.31E-03	4.47E-03	4.32E-03	1.26E-02	4.91E-04	4.70E-04	2.5650E-02
551603.5	4172924.72	30489.79715	31249.90199	9953.78026	22917.51904	4.24686	4.03636	3.92E-03	4.01E-03	4.90E-03	1.13E-02	4.55E-04	4.37E-04	2.5016E-02
551583.5	4172964.72	17219.35975	40724.16157	5682.65732	30691.18499	14.94659	13.17522	2.21E-03	5.23E-03	2.80E-03	1.51E-02	1.60E-03	1.43E-03	2.8390E-02
551593.5	4172914.72	37184.95109	26790.78566	10476.66281	19823.98708	5.04947	4.77032	4.78E-03	3.44E-03	5.16E-03	9.77E-03	5.41E-04	5.17E-04	2.4203E-02
551713.5	4172944.72	17693.67076	42816.79625	7012.80148	25849.673	1.23208	1.21274	2.27E-03	5.50E-03	3.45E-03	1.27E-02	1.32E-04	1.31E-04	2.4225E-02
551593.5	4172944.72	22380.40935	36158.95567	7373.58993	26889.84933	6.85142	6.34261	2.88E-03	4.65E-03	3.63E-03	1.32E-02	7.34E-04	6.87E-04	2.5819E-02
551703.5	4172934.72	22064.98625	37750.81716	8688.12201	23387.92505	1.3162	1.29421	2.83E-03	4.85E-03	4.28E-03	1.15E-02	1.41E-04	1.40E-04	2.3766E-02
551593.5	4172924.72	30683.09016	29560.61432	9254.31147	21903.90247	5.50529	5.17249	3.94E-03	3.80E-03	4.56E-03	1.08E-02	5.90E-04	5.60E-04	2.4238E-02
551563.5	4172904.72	47213.67567	20250.6411	8439.47155	15353.86378	14.13547	12.68789	6.07E-03	2.60E-03	4.16E-03	7.56E-03	1.51E-03	1.37E-03	2.3276E-02
551593.5	4172934.72	25932.42313	32687.15312	8228.36231	24260.79135	6.08874	5.68335	3.33E-03	4.20E-03	4.05E-03	1.20E-02	6.52E-04	6.16E-04	2.4803E-02
551583.5	4172914.72	37228.88631	25247.46802	9544.74597	18926.91392	6.78479	6.32414	4.78E-03	3.24E-03	4.70E-03	9.32E-03	7.27E-04	6.85E-04	2.3463E-02
551703.5	4172924.72	26569.91277	31913.26201	10298.2154	20330.94362	1.30773	1.28576	3.41E-03	4.10E-03	5.07E-03	1.00E-02	1.40E-04	1.39E-04	2.2881E-02
551583.5	4172944.72	22376.63884	33523.64705	6901.26665	25161.92293	10.22682	9.2578	2.87E-03	4.31E-03	3.40E-03	1.24E-02	1.10E-03	1.00E-03	2.5074E-02
551583.5	4172924.72	30627.32017	27833.59692	8929.917	20810.2497	7.60079	7.03138	3.93E-03	3.58E-03	4.19E-03	1.03E-02	8.14E-04	7.62E-04	2.3529E-02
551573.5	4172914.72	36865.08723	23792.06947	8637.78544	17984.5722	9.78939	8.97003	4.74E-03	3.06E-03	4.25E-03	8.86E-03	1.05E-03	9.71E-04	2.2927E-02
551713.5	4172934.72	20830.02222	35986.11449	8140.19837	22247.55837	1.22074	1.20149	2.68E-03	4.62E-03	4.01E-03	1.10E-02	1.31E-04	1.30E-04	2.2529E-02
551583.5	4172934.72	25842.91603	30598.59931	7628.25228	22916.45438	8.66241	7.94539	3.32E-03	3.93E-03	3.76E-03	1.13E-02	9.28E-04	8.61E-04	2.4086E-02
551565.79	4172915.74	36727.91684	22488.93824	7910.71388	17057.6278	15.15319	13.56103	4.72E-03	2.89E-03	3.90E-03	8.40E-03	1.62E-03	1.47E-03	2.2999E-02
551575.79	4172944.97	22369.73737	31215.64745	6535.70194	23736.23156	15.42568	13.66235	2.87E-03	4.01E-03	3.22E-03	1.17E-02	1.65E-03	1.48E-03	2.4928E-02
551573.5	4172924.72	30480.87814	25895.37057	7791.24632	19614.12612	11.45782	10.39103	3.92E-03	3.33E-03	3.84E-03	9.66E-03	1.23E-03	1.13E-03	2.3095E-02
551573.5	4172934.72	26107.371	27980.47894	7091.11248	21271.47599	14.24764	12.71839	3.35E-03	3.59E-03	3.49E-03	1.05E-02	1.53E-03	1.38E-03	2.3824E-02
CONCUNIT ug/	m^3													
DEPUNIT g/m^	2													