
Appendix 2-C

Air Quality and Greenhouse Gas Emissions Analysis – Devil’s Canyon Road Site

October 10, 2025

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Re: Ventura Compressor Station Modernization Project (A.23-08-019) – Data Request #1
Subject: Air Quality and Greenhouse Gas Emissions Analysis of the Devil’s Canyon Road Site Alternative

Dear Ms. Freund:

A Proponent’s Environmental Assessment (PEA) and formal application (A.23-08-019) for a Certificate of Public Convenience and Necessity (CPCN) was submitted to the California Public Utilities Commission (CPUC) for SoCalGas’s Ventura Compressor Station Modernization Project (Proposed Project or VCM Project) in August 2023. In January 2025, the CPUC sent Data Request (DR) #1 to SoCalGas requesting additional information pertaining to the three site alternatives to the Proposed Project considered in the PEA Section 6, Comparison of Alternatives. The three site alternatives identified by SoCalGas are Avocado Site, Devil’s Canyon Road Site, and Ventura Steel Site.

Yorke Engineering, LLC (Yorke) was requested to respond to the first bullet of the following request:

DR 1.3: Air Quality, Greenhouse Gases, and Energy

For each of the three site alternatives, please include the following information:

- Please provide emission calculations to quantify the changes in air pollutants and greenhouse gas (GHG) emissions stemming from construction of the site alternatives, as they may differ from those of the Proposed Project (e.g., due to additional site preparation or grading).

A separate report has been prepared by Yorke for each alternative site. This report analyzes impacts from air quality and GHG emissions related to construction of the Devil’s Canyon Road Site Alternative. The criteria pollutants and GHG emissions of this site are compared to those of the Proposed Project to show how they differ. However, the emissions modeling for the Proposed Project and the alternative sites have several key limitations and differences that limit the value of the comparison, including:

- *Design Development Level:* The preliminary engineering developed to address this data request is at approximately 5% completion, whereas the Proposed Project has been designed to approximately 15%. This disparity in design detail limits the accuracy of emissions estimates for the alternatives.

- *Site Access Limitations:* Due to lack of access to the alternative sites, site-specific information needed for site preparation, remediation, and engineering design activities for these alternative site locations has been restricted, which limits the accuracy of emissions estimates for the alternatives. The approach to preliminary engineering design and environmental assessment included:
 - Developing designs using insights derived exclusively from desktop-level analysis;
 - Utilizing publicly available information from city, county, and state records; and
 - Using Geographic Information System (GIS) software to generate data reports that may include information such as potential utility conflicts, geotechnical information, constructability, and pipeline routing options to and from each alternative site.
- *Modeling Tool Version Differences:* The Proposed Project was modeled using a prior version of CalEEMod. CalEEMod is updated frequently (there have been 30 minor updates since a major update in 2022) to incorporate fixes to the model, new information such as emission factors, and updated regulatory emissions reduction requirements. New regulatory requirements typically mean that emissions estimates using a newer version would be lower than emissions estimates using an older version due to these regulatory updates, and not due to project design or scope. Note, because CalEEMod is run on-line, it is not possible to use older versions after updates are made.
- *Construction Timing Assumptions:* In the PEA, the Proposed Project was anticipated to begin construction in 2029, and the emissions estimates for the Proposed Project have not been updated for this response. Due to the time needed for the PEA review process, including the time to deem the application complete, a 2029 start date may no longer be possible. In addition to CalEEMod version updates described above, since many regulatory programs only apply to new equipment after certain date(s), the emissions reductions only kick-in gradually as a result of assumed equipment fleet turnover, so are dependent on when the construction is assumed to start. For these reasons, the emissions estimate for the Proposed Project should be conservative since a later start date would reflect lower emissions when using newer CalEEMod versions that include revised regulatory requirements.

Construction of the Devil's Canyon Road Site Alternative has been estimated to start in 2029. The construction start dates for the alternative sites are also uncertain, since the time needed for additional property and right-of-way acquisition, site remediation, and engineering design could vary from what has been assumed due to the design development level and site access uncertainties described above. Emissions comparison of the Proposed Project to the alternative site would vary since the schedule for construction activities could vary for both.

While the results are not a like-for-like comparison due to differences in assumptions and data availability, they provide a means for evaluating and comparing the Proposed Project and the alternative sites. The analyses were completed using the best available data and professional judgment to provide the most timely and informative results possible under the circumstances.

1.0 DEVIL'S CANYON ROAD SITE BACKGROUND

Considering that there is an active oil operation at this site, it is assumed that existing water and sanitary sewer systems are available along Devil's Canyon Road that the site can connect and tie into. The nearest electrical interconnection is through an existing Southern California Edison (SCE) Grandad 16 kilovolt circuit.

The Devil's Canyon Road Site Alternative consists of (1) installing two new 1,900 horsepower (HP) natural gas compressors and two new 2,500 nominal HP electric compressors, (2) erecting a new 10,458-square-foot compressor building; (3) erecting a new 4,641-square-foot-permanent office building; (4) erecting a new 5,459-square-foot warehouse; (5) installing a new 8-foot-tall perimeter block wall; (6) installing 2.8 miles of new gas pipeline system along Devil's Canyon Road and Cable Canyon Road that would tie into the existing natural gas system pipelines; (7) installing new water and sewer lines that would tie into the existing facilities at Devil's Canyon Road; and (8) installing approximately 34 new electrical poles between the tie-in to the existing SCE Grandad circuit and the tie-in at the proposed compressor station.

The Devil's Canyon Road Site Alternative would require the demolition of existing oilfield infrastructure, as well as the abandonment of oil wells within the proposed facility boundary and along the proposed new pipeline corridor.

Due to these factors, construction of a new compressor station at the Devil's Canyon Road Site is estimated to take place over a span of approximately 10 years, compared to less than four years for the construction of the Proposed Project.

2.0 AIR QUALITY EMISSIONS ANALYSIS

Like the Proposed Project, the criteria pollutant emissions used in the air quality impact analysis for the alternative site were prepared in accordance with the Ventura County Air Pollution Control District's (VCAPCD's) Ventura County Air Quality Assessment Guidelines (VCAPCD Guidelines) (VCAPCD 2003).

2.1 Construction and Demolition Emissions Impacts Analyses

2.1.1 Construction/Demolition Emissions Calculation Methodology

The analysis of offroad construction emissions was performed using CalEEMod, the official statewide land use computer model designed to provide a uniform platform for estimating potential criteria pollutant and GHG emissions associated with construction of projects under the California Environmental Quality Act (CEQA). The current version (version 2022.1.1.30) of CalEEMod was used for this analysis, which is a newer version than was used for the Proposed Project (version 2022.1.1.19).

The CalEEMod input file from the Proposed Project was used as a starting point, after which the new phases were added, and the construction schedules were modified to reflect the project at the alternative site. Based on information received from SoCalGas, construction equipment type, quantity, and horsepower (HP) were applied to the new phases. The equipment type and quantity and daily trip rates for the shared phases were kept the same, as they are expected to be similar to those in the Proposed Project¹. The land use size (square feet) and hauling material size (cubic

¹ The compressor station at the alternative sites has not been designed/engineered to the same level as the Proposed Project. SoCalGas estimates that the alternative sites are only at about a 5% engineering level.

yards) parameters were not altered since project-specific data—such as construction equipment specifications and daily trip rates—were provided, and these parameters are only adjusted when CalEEMod is required to generate default values. Trip mileage for all phases was modified to reflect the distance to the Devil's Canyon Road Site.

Generally, impacts of criteria pollutant emissions are analyzed within the local area or air basin, in this case within Ventura County. GHG emissions, on the other hand, are global impacts and are usually assessed anywhere within California for CEQA analyses. Therefore, the criteria pollutant emissions and GHG emissions from construction were estimated in separate CalEEMod runs. Furthermore, it was necessary to run CalEEMod twice for criteria pollutants, once for the individual phases and once for overlapping phases.

2.1.2 Alternative Site Construction and Demolition Description

The various inputs used for CalEEMod are discussed below. See the beginning of this report for additional information on the development of the construction information for the alternative sites.

A preliminary construction schedule for the Devil's Canyon Road Site Alternative is shown in Table 2-1. Construction of a new compressor station at the Devil's Canyon Road Site would take place over a span of approximately 10 years and has been broken into the following phases, with demolition of the existing equipment at the current site in Phase 12. Since this analysis is for comparison to the Proposed Project, the phase numbers for the phases common to both the Proposed Project and this alternative site were kept the same, and the additional phases were named uniquely as "A1", "A2", and so on, to clearly distinguish new activities while maintaining consistency across shared phases:

- | | |
|--|--|
| A1) Site Assessment | A4) Offsite Laydown Development |
| A2) Soil Remediation | A5) Gas Pipeline Installation |
| A3) Well Abandonment | A6) Electrical Interconnect |
| 1) Subsurface Exploration | 7) Electrical & Instrumentation |
| 2) Demo Existing Equipment and Piping | 8) Paving |
| 3) Site Preparation/ Rough Grading | 9) Painting/Insulation |
| 4) Foundations | 10) Pre-Commissioning/Commissioning/ Startup and Testing |
| 5) Trenching/Undergrounds | 11) Post Construction/Site Restoration |
| 6) Equipment, Structural Steel & Building Erection, Piping | 12) Decommission/Demolition |

Table 2-1: Devil's Canyon Road Site Alternative Preliminary Construction Schedule by Phase

Phase Number	Phase Description	Phase Start Date	Phase End Date	Work Days per Phase
A1	Site Assessment	5/1/2029	5/18/2029	14
A2	Soil Remediation	9/21/2029	3/11/2030	122
A3	Well Abandonment	8/16/2029	4/22/2030	178
A4	Offsite Laydown Development	7/2/2035	9/5/2035	48
A5	Gas Pipeline Installation	7/2/2035	3/11/2036	182
A6	Electrical Interconnect	12/27/2035	3/31/2036	68
1	Subsurface Exploration	7/2/2035	9/5/2035	48
2	Demo Existing Equipment & Piping	9/6/2035	12/7/2035	67
3	Site Preparation/ Rough Grading	11/13/2035	12/7/2035	19
4	Foundations	12/10/2035	8/7/2036	174
5	Trenching/Undergrounds	7/9/2036	9/26/2036	58
6	Equipment, Structural Steel & Building Erection, Piping	4/15/2036	2/18/2037	222
7	Electrical & Instrumentation	1/16/2037	12/1/2037	228
8	Paving	12/2/2037	2/2/2038	45
9	Painting/Insulation	1/4/2038	3/3/2038	43
10	Commissioning/Startup and Testing	12/2/2037	5/12/2038	116
11 ¹	Post Construction/Site Restoration	5/13/2038	6/11/2038	22
12 ²	Decommission/Demolition	5/12/2039	8/15/2039	68

Notes:

1. No offroad equipment is expected to be used for Phase 11, however, approximately 50% of equipment hauling for demobilization will be taking place during Phase 11.
2. Decommission/Demolition is assumed to be completed approximately one year after the new replacement compressors are fully operational and would involve removal of the existing compressors at the current site.

The proposed list of offroad construction/demolition equipment for each individual phase is shown in Table 2-2. CalEEMod defaults were used for the offroad construction equipment load factor. CalEEMod defaults were also used for the HP of the electric and some diesel offroad equipment when the HP was not available. For equipment for which CalEEMod defaults were not available (i.e., Bore/Drill Rigs, Off-Highway Trucks, Skid Steer Loaders, and Aerial Lifts), a value of 8 hours per day was used. The CalEEMod run for the individual phases is provided in Attachment A.1.

As shown by the dates in Table 2-1, some of the construction phases will overlap. The criteria pollutant emissions of the overlapping phases were estimated in a separate CalEEMod run (Attachment A.2) to ensure that equipment that would remain onsite during the overlapping phases was not double (or triple) counted. The proposed list of offroad construction/demolition equipment for the overlapping phases is shown in Table 2-3.

Table 2-2: Devil's Canyon Road Site Offroad Construction Equipment Used for Individual Phases for CalEEMod Input

Phase Name		Equipment Type	HP ¹	No. per Day	Fuel Type ²	Hours Per Day ³	Load Factor ⁴
A1	Site Assessment (Site Preparation)	Tractors/Loaders/Backhoes	107	1	Diesel	[7]	0.37
		Bore/Drill Rigs	300	1	Diesel	(8)	0.5
A2	Soil Remediation (Site Preparation)	Excavators	346	1	Diesel	[8]	0.38
		Off-Highway Trucks	500	1	Diesel	(8)	0.38
		Tractors/Loaders/Backhoes	321	1	Diesel	[7]	0.37
		Generator Sets	49	1	Diesel	[8]	0.74
A3	Well Abandonment (Building Construction)	Other General Industrial Equipment	200	4	Diesel	[8]	0.29
		Graders	200	2	Diesel	[8]	0.74
		Bore/Drill Rigs	550	3	Diesel	(8)	0.5
		Excavators	250	2	Diesel	[8]	0.38
		Cranes	320	4	Diesel	[7]	0.29
		Pumps	550	4	Diesel	[8]	0.74
		Other Construction Equipment	115	3	Diesel	[8]	0.42
		Bore/Drill Rigs	450	3	Diesel	(8)	0.5
		Off-Highway Trucks	320	4	Diesel	(8)	0.38
		Welders	50	2	Diesel	[8]	0.45
A4	Offsite Laydown Development (Site Preparation)	Cranes	275	1	Diesel	[7]	0.29
		Forklifts	74	1	Diesel	[8]	0.2
		Tractors/Loaders/Backhoes	225	1	Diesel	[7]	0.37
		Welders	24	4	Diesel	[8]	0.45
		Excavators	443	3	Diesel	[8]	0.38
		Tractors/Loaders/Backhoes	107	1	Diesel	[7]	0.37
		Excavators	45	1	Diesel	[8]	0.38
		Tractors/Loaders/Backhoes	321	1	Diesel	[7]	0.37
		Air Compressors	2	1	Diesel	[6]	0.48
		Generator Sets	49	3	Diesel	[8]	0.74
		Graders	250	1	Diesel	[8]	0.41
		Rollers	125	1	Diesel	[8]	0.38
		Tractors/Loaders/Backhoes	74	1	Diesel	[7]	0.37
		Bore/Drill Rigs	300	1	Diesel	(8)	0.5
		Skid Steer Loaders	65	1	Diesel	(8)	0.37
		Off-Highway Trucks	500	1	Diesel	(8)	0.38

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Phase Name		Equipment Type	HP ¹	No. per Day	Fuel Type ²	Hours Per Day ³	Load Factor ⁴
A5	Gas Pipeline Installation (Building Construction)	Excavators	346	8	Diesel	[8]	0.38
		Concrete/Industrial Saws	261	8	Diesel	[8]	0.73
		Rubber Tired Dozers	363	2	Diesel	[8]	0.4
		Other Construction Equipment	319	8	Diesel	[8]	0.42
		Other Construction Equipment	109	1	Diesel	[8]	0.42
		Welders	24	4	Diesel	[8]	0.45
		Graders	250	1	Diesel	[8]	0.41
		Off-Highway Trucks	500	1	Diesel	(8)	0.38
		Tractors/Loaders/Backhoes	74	2	Diesel	[7]	0.37
		Tractors/Loaders/Backhoes	350	3	Diesel	[7]	0.37
		Skid Steer Loaders	65	3	Diesel	(8)	0.37
		Bore/Drill Rigs	173	1	Diesel	(8)	0.5
		Other General Industrial Equipment	23	3	Diesel	[8]	0.34
		Generator Sets	22	3	Diesel	[8]	0.74
A6	Electrical Interconnect (Building Construction)	Air Compressors	10	2	Diesel	[6]	0.48
		Forklifts	82	1	Diesel	[8]	0.2
		Generator Sets	49	2	Diesel	[8]	0.74
1	Subsurface Exploration (Site Preparation)	Tractors/Loaders/Backhoes	107	1	Diesel	[8]	0.37
		Excavators	45	1	Diesel	[8]	0.38
		Air Compressors	2	1	Diesel	[6]	0.48
		Off-Highway Trucks	500	1	Diesel	(8)	0.38
		Tractors/Loaders/Backhoes	321	1	Diesel	[8]	0.37
		Bore/Drill Rigs	300	1	Diesel	(8)	0.5
2	Demo Existing Equipment & Piping (Demolition A)	Concrete/Industrial Saws	33	1	Diesel	[8]	0.73
		Tractors/Loaders/Backhoes	107	1	Diesel	[8]	0.37
		Excavators	45	1	Diesel	[8]	0.38
		Air Compressors	2	1	Diesel	[6]	0.48
		Off-Highway Trucks	500	1	Diesel	(8)	0.38
		Tractors/Loaders/Backhoes	321	1	Diesel	[8]	0.37
		Skid Steer Loaders	65	1	Diesel	(8)	0.37
3	Site Preparation/ Rough Grading (Grading)	Excavators	45	1	Diesel	[8]	0.38
		Tractors/Loaders/Backhoes	107	1	Diesel	[8]	0.37
		Air Compressors	2	1	Diesel	[6]	0.48
		Off-Highway Trucks	500	1	Diesel	(8)	0.38

SoCalGas Ventura Compressor Station Modernization Project
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Phase Name		Equipment Type	HP ¹	No. per Day	Fuel Type ²	Hours Per Day ³	Load Factor ⁴
4	Foundations (Building Construction)	Air Compressors	10	1	Diesel	[6]	0.48
		Cranes	275	1	Diesel	[7]	0.29
		Excavators	45	1	Diesel	[8]	0.38
		Excavators	346	1	Diesel	[8]	0.38
		Forklifts	74	1	Diesel	[8]	0.2
		Forklifts	[82]	1	Electric	[8]	0.2
		Generator Sets	49	3	Diesel	[8]	0.74
		Off-Highway Trucks	500	1	Diesel	(8)	0.38
		Rubber Tired Dozers	170	1	Diesel	[8]	0.4
		Tractors/Loaders/Backhoes	225	1	Diesel	[7]	0.37
		Tractors/Loaders/Backhoes	321	1	Diesel	[7]	0.37
		Tractors/Loaders/Backhoes	107	1	Diesel	[7]	0.37
		Welders	24	2	Diesel	[8]	0.45
		Welders	24	2	Diesel	[8]	0.45
5	Trenching/ Undergrounds (Trenching)	Pumps ⁵	[11]	2	Diesel	[8]	0.74
		Excavators	45	1	Diesel	[8]	0.38
6	Equipment, Structural Steel & Building Erection, Piping (Building Construction)	Aerial Lifts	67	1	Diesel	(8)	0.31
		Aerial Lifts	[46]	5	Electric	(8)	0.31
		Air Compressors	49	1	Diesel	[6]	0.48
		Air Compressors	10	1	Diesel	[6]	0.48
		Cranes	200	1	Diesel	[7]	0.29
		Cranes	275	2	Diesel	[7]	0.29
		Excavators	45	1	Diesel	[8]	0.38
		Forklifts	[82]	1	Electric	[8]	0.2
		Forklifts	122	1	Diesel	[8]	0.2
		Forklifts	74	1	Diesel	[8]	0.2
		Generator Sets	49	3	Diesel	[8]	0.74
		Off-Highway Trucks	500	1	Diesel	(8)	0.38
		Tractors/Loaders/Backhoes	225	2	Diesel	[7]	0.37
		Welders	24	2	Diesel	[8]	0.45
		Welders	[46]	5	Electric	[8]	0.45
7	Electrical & Instrumentation (Building Construction)	Aerial Lifts	[46]	4	Electric	(8)	0.31
		Air Compressors	49	1	Diesel	[6]	0.48
		Air Compressors	10	2	Diesel	[6]	0.48
		Cranes	200	1	Diesel	[7]	0.29
		Cranes	275	2	Diesel	[7]	0.29
		Forklifts	[82]	1	Electric	[8]	0.2
		Forklifts	74	1	Diesel	[8]	0.2
		Generator Sets	49	3	Diesel	[8]	0.74
		Off-Highway Trucks	500	1	Diesel	(8)	0.38
		Tractors/Loaders/Backhoes	225	2	Diesel	[7]	0.37

SoCalGas Ventura Compressor Station Modernization Project
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Phase Name		Equipment Type	HP ¹	No. per Day	Fuel Type ²	Hours Per Day ³	Load Factor ⁴
		Welders	[46]	5	Electric	[8]	0.45
		Welders	24	2	Diesel	[8]	0.45
8	Paving (Paving)	Rollers	125	1	Diesel	[8]	0.38
9	Painting/ Insulation (Architectural Coating)	Air Compressors	10	1	Diesel	[6]	0.48
		Generator Sets	49	1	Diesel	[8]	0.74
10	Commissioning /Startup and Testing (Building Construction)	Aerial Lifts	[46]	4	Electric	(8)	0.31
		Air Compressors	49	1	Diesel	[6]	0.48
		Cranes	275	1	Diesel	[7]	0.29
		Forklifts	74	1	Diesel	[8]	0.2
		Forklifts	[82]	1	Electric	[8]	0.2
		Generator Sets	49	3	Diesel	[8]	0.74
		Tractors/Loaders/Backhoes	225	2	Diesel	[7]	0.37
		Welders	[46]	3	Electric	[8]	0.45
		Welders	24	2	Diesel	[8]	0.45
12	Decommission/ Demolition (Demolition B)	Concrete/Industrial Saws	33	1	Diesel	[8]	0.73
		Excavators	45	1	Diesel	[8]	0.38
		Aerial Lifts	[46]	4	Electric	(8)	0.31
		Air Compressors	49	1	Diesel	[6]	0.48
		Cranes	275	1	Diesel	[7]	0.29
		Forklifts	74	1	Diesel	[8]	0.2
		Forklifts	[82]	1	Electric	[8]	0.2
		Generator Sets	49	3	Diesel	[8]	0.74
		Tractors/Loaders/Backhoes	225	2	Diesel	[8]	0.37
		Welders	[46]	3	Electric	[8]	0.45
		Welders	24	2	Diesel	[8]	0.45

Notes:

1. Engine horsepower ratings in brackets are CalEEMod default values (version 2022.1.1.30).
2. All diesel engines are assumed to be EPA Tier 4 Final and Electric engines have an average electric mix.
3. Construction "Hours per Day" in brackets are CalEEMod default values. A value of 8 hours per day is used for equipment for which there are no project-specific or CalEEMod default values (i.e., Bore/Drill Rigs, Off-Highway Trucks, Skid Steer Loaders, and Aerial Lifts), and is shown in parentheses.
4. Engine load factors are CalEEMod default values (version 2022.1.1.30).
5. Pumps are conservatively modeled as diesel units in Phase 5 rather than as electric units in Phase 4 as planned for construction.
6. No offroad equipment is expected to be used for Phase 11, Site Restoration, so this phase is not included in this table.

Table 2-3: Devil's Canyon Road Site Offroad Construction Equipment Used for Overlapping Phases for CalEEMod Input

Phase Name		Equipment Type	HP ¹	No. per Day	Fuel Type ²	Hours Per Day ³	Load Factor ⁴
1	Subsurface Exploration (Site Preparation)	Bore/Drill Rigs	300	1	Diesel	(8)	0.5
4	Foundations (Building Construction)	Cranes	275	1	Diesel	[7]	0.29
		Excavators	45	1	Diesel	[8]	0.38
		Excavators	346	1	Diesel	[8]	0.38
		Off-Highway Trucks	500	1	Diesel	(8)	0.38
		Rubber Tired Dozers	170	1	Diesel	[8]	0.4
		Tractors/Loaders/Backhoes	321	1	Diesel	[7]	0.37
		Tractors/Loaders/Backhoes	107	1	Diesel	[7]	0.37
6	Equipment, Structural Steel & Building Erection, Piping (Building Construction)	Aerial Lifts	67	1	Diesel	(8)	0.31
		Aerial Lifts	[46]	5	Electric	(8)	0.31
		Air Compressors	49	1	Diesel	[6]	0.48
		Air Compressors	10	1	Diesel	[6]	0.48
		Cranes	200	1	Diesel	[7]	0.29
		Cranes	275	2	Diesel	[7]	0.29
		Excavators	45	1	Diesel	[8]	0.38
		Forklifts	[82]	1	Electric	[8]	0.2
		Forklifts	122	1	Diesel	[8]	0.2
		Forklifts	74	1	Diesel	[8]	0.2
		Off-Highway Trucks	500	1	Diesel	(8)	0.38
		Tractors/Loaders/Backhoes	225	2	Diesel	[7]	0.37
		Welders	24	2	Diesel	[8]	0.45
		Welders	[46]	5	Electric	[8]	0.45
7	Electrical & Instrumentation (Building Construction)	Aerial Lifts	[46]	4	Electric	(8)	0.31
		Air Compressors	10	2	Diesel	[6]	0.48
		Forklifts	74	1	Diesel	[8]	0.2
		Off-Highway Trucks	500	1	Diesel	(8)	0.38
		Tractors/Loaders/Backhoes	225	2	Diesel	[7]	0.37
9	Painting/Insulation (Architectural Coating)	Air Compressors	10	1	Diesel	[6]	0.48
10	Commissioning/ Startup and Testing (Building Construction)	Aerial Lifts	[46]	4	Electric	8	0.31
		Air Compressors	49	1	Diesel	[6]	0.48
		Cranes	275	1	Diesel	[7]	0.29
		Forklifts	74	1	Diesel	[8]	0.20
		Forklifts	[82]	1	Electric	[8]	0.20
		Generator Sets	49	3	Diesel	[8]	0.74
		Tractors/Loaders/Backhoes	225	2	Diesel	[7]	0.37
		Welders	[46]	3	Electric	[8]	0.45
		Welders	24	2	Diesel	[8]	0.45

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Notes:

1. Footnotes 1 through 4 are the same as Table 2-2.
2. Only the phases which have some overlap with other phases are included in this table, and for which equipment usage has been refined to avoid double or triple counting are included in this table.

As noted in Section 2.1, three CalEEMod runs were done for each site to reflect individual and overlapping phases for criteria pollutants and a separate run for GHG emissions to reflect longer travel distances within California for phase 6. Table 2-4 summarizes the construction trip rates and mileages used for the criteria pollutant and GHG emissions calculations. In the first CalEEMod run (Attachment A.1), the criteria pollutant emissions for the hauling trips for each individual phase were estimated using a one-way distance of 43 miles (the average distance from the Devil's Canyon Road Site to the County line. In the second CalEEMod run (Attachment A.2), the criteria pollutant emissions of the overlapping phases were also estimated using a one-way distance of 43 miles. Emissions for the soil remediation phase (A2) were estimated using an average one-way haul distance of 46 miles, the average trip lengths to Simi Valley Landfill and Grimes Rock Quarry). For phases involving both delivery of equipment to the Devil's Canyon Road Site (i.e., 43 miles) and hauling of material from the site to landfill (i.e., 46 miles), because only one hauling entry is allowed per phase in CalEEMod, the haul distances were calculated using a weighted average. For example, for Phase A5, which includes three trips to the landfill and four equipment delivery trips, a total of seven trips was entered with a weighted average distance of 44 miles. In the third CalEEMod run (Attachment A.3), the GHG emissions for the hauling trips for Phase 6 were estimated using a distance of 297 miles (distance from the Devil's Canyon Road Site to the Arizona State line). This distance is based on a conservative estimate that some of the supplies may come from outside of Ventura County and that some of the equipment may come from outside of California. The CalEEMod default distance of 20 miles was used for Phase 12 (i.e., Decommission/Demolition phase) hauling trips.

Table 2-4: Devil's Canyon Road Site Construction Traffic Summary

Phase Work Description		Trip Type	One-Way Trips per Day	Miles per One-Way Trip	Vehicle Mix ⁴
A1	Site Assessment	Worker	12	10	LDA, LDT1, LDT2
		Vendor	4	10	HHDT, MHDT
A2	Soil Remediation	Worker	18	10	LDA, LDT1, LDT2
		Vendor	12	10	HHDT, MHDT
		Hauling	20	46	HHDT
A3	Well Abandonment	Worker	70	10	LDA, LDT1, LDT2
		Vendor	49	10	HHDT, MHDT
		Hauling	30	43	HHDT
A4	Offsite Laydown Development	Worker	11	10	LDA, LDT1, LDT2
		Vendor	18	10	HHDT, MHDT
A5	Gas Pipeline Installation	Worker	135	10	LDA, LDT1, LDT2
		Vendor	20	10	HHDT, MHDT
		Hauling ¹	7	44	HHDT

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Phase Work Description		Trip Type	One-Way Trips per Day	Miles per One-Way Trip	Vehicle Mix ⁴
A6	Electrical Interconnect	Worker	27	10	LDA, LDT1, LDT2
		Vendor	16	10	HHDT, MHDT
		Hauling ¹	4	45	HHDT
1	Subsurface Exploration	Worker	28	10	LDA, LDT1, LDT2
		Vendor	8	10	HHDT, MHDT
		Hauling	5	43	HHDT
2	Demo Existing Equipment & Piping	Worker	27	10	LDA, LDT1, LDT2
		Vendor	8	10	HHDT, MHDT
		Hauling ¹	14	45	HHDT
3	Site Preparation/Rough Grading	Worker	30	10	LDA, LDT1, LDT2
		Vendor	10	10	HHDT, MHDT
		Hauling	52	43	HHDT
4	Foundations	Worker	68	10	LDA, LDT1, LDT2
		Vendor	16	10	HHDT, MHDT
		Hauling	10	43	HHDT
5	Trenching/Undergrounds	Worker	46	10	LDA, LDT1, LDT2
		Vendor	2	10	HHDT, MHDT
		Hauling	9	43	HHDT
6	Equipment, Structural Steel & Building Erection, Piping	Worker	78	10	LDA, LDT1, LDT2
		Vendor	22	10	HHDT, MHDT
		Hauling ²	1	43 (297)	HHDT
7	Electrical & Instrumentation	Worker	36	10	LDA, LDT1, LDT2
		Vendor	16	10	HHDT, MHDT
		Hauling	1	43	HHDT
8	Paving	Worker	22	10	LDA, LDT1, LDT2
		Hauling	12	43	HHDT
9	Painting/Insulation	Worker	4	10	LDA, LDT1, LDT2
		Hauling	9	43	HHDT
10	Commissioning/Startup and Testing	Worker	28	10	LDA, LDT1, LDT2
		Vendor	12	10	HHDT, MHDT
		Hauling	3	43	HHDT
11	Post Construction/Site Restoration	Hauling	14	43	HHDT
12	Decommission/Demolition	Worker	28	10	LDA, LDT1, LDT2
		Vendor	18	10	HHDT, MHDT
		Hauling ³	3	20	HHDT

Notes:

- For phases involving both hauling of material from the site to landfill (~46 miles) and delivery of equipment to the site (~43 miles), since only one hauling entry is allowed per phase in CalEEMod, the haul distances were calculated using a weighted average of the distances. For example, for Phase A5, which includes 3 trips

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to the landfill and 4 equipment delivery trips, a total of 7 trips was entered with a weighted average distance of 44 miles.

2. Hauling trip mileages for Equipment, Structural Steel & Building Erection, and Piping phase (Phase 6) are average one-way distances from the Devil's Canyon Road Site to County Line for criteria pollutant emissions since the trip destinations/directions are not known. The second value in italics is the one-way hauling distances from the Devil's Canyon Road Site to the Arizona State Line used to estimate GHG emissions.
3. Hauling trip mileage for Phase 12 (i.e., Decommission/Demolition) is CalEEMod default.
4. Vehicle mix: LDA=Light Duty Automobile, LDT1=Light Duty Trucks up to 3,750 pounds (lbs) loaded vehicle weight (LVW), LDT2=Light Duty Trucks 3,750-8,500 lbs LVW, MHDT=Medium Heavy-Duty Trucks (8,500-14,000 lbs), HHDT=Heavy, Heavy-Duty Trucks (>14,000 lbs).

2.1.3 Results of Construction and Demolition Emissions Analysis for the Devil's Canyon Road Site Alternative

Table 2-5 presents the peak day emissions of each criteria pollutant for each individual phase during Devil's Canyon Road Site construction/demolition based on the CalEEMod outputs provided in Attachment A.1.

Table 2-5: Estimated Peak Day Criteria Pollutant Emissions by Each Construction/Demolition Phase

Construction/Demolition ² Phase		Year	Emissions ¹ (lbs/day)					
			ROC	NO _x	CO	SO _x	Total ³ PM ₁₀	Total ³ PM _{2.5}
A1	A1-Site Assessment	2029	0.21	0.99	9.53	0.02	0.15	0.06
A2	A2-Soil Remediation	2029-2030	0.51	5.30	22.54	0.05	0.69	0.26
A3	A3-Well Abandonment	2029-2030	4.43	29.62	219.66	0.29	2.96	1.44
A4	A4-Offsite Laydown Development	2035	1.47	14.91	73.50	0.14	0.70	0.35
A5	A5-Gas Pipeline Installation	2035-2036	4.68	28.88	229.19	0.31	2.27	1.22
A6	A6-Electrical Interconnect	2035-2036	0.21	4.53	7.10	0.02	0.52	0.15
1	Subsurface Exploration	2035	0.53	3.83	24.64	0.05	0.56	0.22
2	Existing Project Site Demo	2035	0.49	6.60	21.32	0.05	5.23	0.97
3	Site Preparation/Rough Grading	2035	0.38	8.49	14.40	0.07	2.46	0.78
4	Foundations	2035-2036	1.00	11.61	44.57	0.09	1.17	0.42
5	Trenching/Undergrounds	2036	0.15	1.95	2.39	0.01	0.71	0.20
6	Equipment, Structural Steel & Building Erection, Piping	2036-2037	0.96	11.95	40.13	0.08	0.91	0.33
7	Electrical & Instrumentation	2037	0.78	9.78	35.05	0.07	0.55	0.23
8	Paving	2037-2038	0.57	1.61	3.81	0.02	0.65	0.20
9	Painting/Insulation	2038	4.79	2.79	2.93	0.01	0.40	0.13
10	Commissioning/Startup and Testing	2037-2038	0.49	8.49	20.66	0.04	0.49	0.18
11	Site Restoration	2038	0.08	1.56	0.85	0.01	0.77	0.23
12	Decommission/Demolition	2039	0.43	6.89	18.40	0.04	0.65	0.19
Devil's Canyon Road Site Highest Individual Phase Peak Day			4.79	29.62	229.19	0.31	5.23	1.44

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Notes:

1. Emissions include offroad construction equipment and onroad vehicles (hauling, vendors, workers).
2. Construction daily emissions calculated for all offroad equipment running simultaneously (winter peak NO_x).
3. Total PM₁₀/PM_{2.5} consists of fugitive dust plus engine exhaust and includes application of Project Best Management Practices (BMPs).

The preliminary construction schedule for the Devil's Canyon Road Site provided in Table 2-1 indicated that some of the phases could overlap. The results of this potential peak day emissions during overlapping phases for ROC and NO_x are provided in Table 2-6, where only phases with potential overlap are shown. The CalEEMod outputs for the potential overlap phases are provided in Attachment A.2. As shown in Table 2-6, the peak day ROC and NO_x emissions could occur during the overlap of Phases A4 (Offsite Laydown Development), A5 (Gas Pipeline Installation), and 1 (Subsurface Exploration).

Table 2-6: Estimated Peak Day ROC and NO_x Emissions During Potential Construction/Demolition Phase Overlaps

Phases with Potential Timeline Overlaps		Year	Emissions ¹ (lbs/day)	
			ROC	NO _x
A2+A3	Soil Remediation + Well Abandonment	2029-2030	4.9	34.9
A4+A5+1	Offsite Laydown Development + Gas Pipeline Installation + Subsurface Exploration	2035	6.4	45.2
A5+2+3	Gas Pipeline Installation + Demo Existing Equipment and Piping + Site Preparation/Rough Grading	2035	5.5	44.0
4+5+6	Foundations + Trenching/Undergrounds + Equipment, Structural Steel & Building Erection, and Piping	2036	1.7	13.7
6+7	Equipment, Structural Steel & Building Erection, Piping + Electrical & Instrumentation	2037	1.2	9.4
8+9+10	Paving + Painting/Insulation + Commissioning/Startup and Testing	2038	5.8	11.1
Project Construction/Demolition Overlapping Phases Peak Day			6.4	45.2

Note:

1. Emissions reflect the peak daily emissions for overlapping phases using the equipment list shown in Table 2-3 and the vehicle trips in Table 2-4.

Table 2-7 summarizes the peak day criteria pollutants emissions for constructing the compressor station at the Devil's Canyon Road Site and compares the emissions to the peak day emissions for the Proposed Project. As shown in Table 2-7, the Devil's Canyon Road Site would result in higher construction-related emissions for all reported criteria pollutants when compared to the Proposed Project. The VCAPCD CEQA Significance Thresholds (VCAPCD 2003) for ROC and NO_x construction emissions are provided in Table 2-7 for reference. Although ROC emissions are well below the VCAPCD CEQA significance threshold of 25 pounds per day for both this alternative site and the Proposed Project, NO_x emissions from the Devil's Canyon Road Site Alternative would exceed this threshold at 45.2 lbs/day, compared to 19.1 lbs/day for the Proposed Project.

Emissions of CO, SO_x, and PM₁₀ and PM_{2.5} are also substantially higher than the Proposed Project for the Devil's Canyon Road Site Alternative.

Table 2-7: Comparison of the Proposed Project vs. Devil's Canyon Road Site Criteria Pollutants Peak Day Construction/Demolition Emissions

Criteria Pollutant	Peak Day Emissions (lbs/day)		VCAPCD CEQA Significance Threshold ⁴ (lbs/day)
	Proposed Project ¹	Devil's Canyon Road Site ^{2,3}	
ROC	6.1	6.4	25
NO _x	19.1	45.2	25
CO	67.9	310.4	N/A
SO _x	0.1	0.5	N/A
Total PM ₁₀ ⁵	4.5	10.0	N/A
Total PM _{2.5} ⁵	1.0	3.0	N/A

Notes:

1. Proposed Project emissions from PEA Table 5.3-3 as updated in July 2024, for peak day during construction or demolition.
2. Emissions from CalEEMod Version 2022.1.1.30 in pounds/day are winter or summer maxima for planned activity and reflect a combined total peak day for construction phases with potential for overlap.
3. Per the VCAPCD Air Quality Assessment Guidelines (2003), construction-related emissions would be considered to be significant if estimates of NO_x and ROC emissions from the heavy-duty construction equipment exceed the 25 pounds/day threshold.
4. VCAPCD Air Quality Assessment Guidelines (2003) do not provide thresholds for criteria pollutants other than ROC and NO_x. Other criteria pollutant emissions are listed for reference, and the threshold is listed as N/A (not applicable).
5. Total PM₁₀ and PM_{2.5} include engine exhaust and fugitive dust and are minimized in accordance with VCAPCD Rule 55 and the fugitive dust control measures and off-road equipment BMPs.

In addition to the peak day emissions, Table 2-8 provides a comparison of the emissions over the total construction period for the Proposed Project compared to the total construction emissions for the Devil's Canyon Road Site. The comparison of the total construction-related emissions also shows that construction at the Devil's Canyon Road Site would generate higher total emissions across all pollutants. This result is largely due to the longer construction duration of the project at this alternative site (approximately 10 years rather than 4 years) and the well abandonment and gas pipeline installation. For example, as shown in Table 2-8, maximum NO_x emissions are estimated at 10.8 tons for Devil's Canyon Road Site compared to 4.5 tons for the Proposed Project, and CO emissions total 59.6 tons versus 14.9 tons total over the entire construction period. VCAPCD has not defined significance thresholds for total construction emissions.

Table 2-8: Comparison of the Proposed Project vs. Devil's Canyon Road Site Criteria Pollutants Total Construction/Demolition Emissions

Criteria Pollutant	Total Construction/Demolition Emissions (Tons)	
	Proposed Project	Devil's Canyon Road Site
	Tons	Tons
ROC	0.5	1.4
NO _x	4.5	10.8
CO	14.9	59.6
SO _x	<0.1	0.1
Total PM ₁₀	0.4	1.1
Total PM _{2.5}	0.1	0.4

3.0 GREENHOUSE GAS EMISSIONS

3.1 GHG Emissions Methodology and Assumptions for the Devil's Canyon Road Site

GHG emissions were estimated for the construction phase of the compressor station at the Devil's Canyon Road Site. Like the criteria pollutants, CalEEMod was used to estimate GHG emissions. While criteria pollutant emissions during construction are mainly assessed on a peak daily basis due to short-term (i.e., 1-hour, 8-hour, and 24-hour) ambient air quality standards, GHG emissions are assessed on a long-term (annual or total) basis because these emissions have long-term effects. Because it was not necessary to evaluate short-term GHG emissions, it was not needed to look at the potential for phases that overlap on a given day.

The preliminary construction schedule given in Table 2-1 and the offroad equipment data given in Table 2-2 were used for the GHG emissions analysis.

As discussed in Section 2, impacts of criteria pollutant emissions are analyzed within the local area or air basin, in this case within Ventura County. GHG emissions, on the other hand, are global impacts and are usually assessed anywhere within California for CEQA analyses. Therefore, the criteria pollutant emissions and GHG emissions from construction were estimated in separate CalEEMod runs. The criteria pollutant emissions are provided in Attachment A.1 for the individual phases and in Attachment A.2 for the overlapping phases. The CalEEMod run in Attachment A.3 is for the GHG emissions where the hauling trips for Phase 6 use a distance of 297 miles (distance from the Devil's Canyon Road Site to the Arizona State line). These distances are based on a conservative estimate that some of the supplies may come from outside of Ventura County and that some of the equipment may come from outside of California. The CalEEMod default distance of 20 miles was used for Phase 12 (i.e., Decommission/Demolition phase) hauling trips. The construction trip rates and mileages were summarized above in Table 2-4.

3.2 GHG Emissions for Construction/Demolition for the Devil's Canyon Road Site

Table 3-1 shows a breakdown of Devil's Canyon Road Site construction/demolition GHG emissions and Table 3-2 compares the GHG emissions from this alternative site to the proposed project. The CalEEMod output file for GHG emissions can be found in Attachment A.3. The total carbon dioxide equivalent (CO₂e) emissions over the 10-year construction period are 9,551 metric tons (MT) compared to less than a third of that at 3,006 MT for the Proposed Project. Typically, construction GHG emissions are amortized over the life of the project (usually 30 years). The amortized CO₂e emissions from the construction phase of the Devil's Canyon Road Site are estimated at 318 MT of CO₂e per year, which is more than three times higher than the 100 MT of

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CO₂e per year estimated for the Proposed Project. This result indicates that the Devil's Canyon Road Site would result in substantially greater construction-related GHG emissions compared to the Proposed Project.

Table 3-1: Estimated Construction GHG Emissions (MT) for the Devil's Canyon Road Site

Construction Phase		Year	CO ₂	CH ₄	N ₂ O	R	CO ₂ e
A1	Site Assessment	2029	12	<1	<1	<1	12
A2	Soil Remediation	2029-2030	330	<1	<1	<1	335
A3	Well Abandonment	2029-2030	2,688	<1	<1	<1	2,716
A4	Offsite Laydown Development	2035	319	<1	<1	<1	320
A5	Gas Pipeline Installation	2035-2036	2,807	<1	<1	<1	2,821
A6	Electrical Interconnect	2035-2036	60	<1	<1	<1	61
1	Subsurface Exploration	2035	121	<1	<1	<1	122
2	Demo Existing Equipment & Piping	2035	174	<1	<1	<1	177
3	Site Preparation/ Rough Grading	2035	74	<1	<1	<1	76
4	Foundations	2035-2036	766	<1	<1	<1	773
5	Trenching/Undergrounds	2036	43	<1	<1	<1	45
6	Equipment, Structural Steel & Building Erection, Piping	2036-2037	888	<1	<1	<1	897
7	Electrical & Instrumentation	2037	750	<1	<1	<1	755
8	Paving	2037-2038	38	<1	<1	<1	39
9	Painting/Insulation	2038	27	<1	<1	<1	28
10	Commissioning/Startup and Testing	2037-2038	229	<1	<1	<1	231
11	Post Construction/Site Restoration	2038	17	<1	<1	<1	17
12	Decommission/Demolition	2039	123	<1	<1	<1	124
Total Construction Emissions			9,465	<1	<1	<1	9,551
Total 30-Year Amortized GHGs							318

Source: CalEEMod version 2022.1.1.30.

Table 3-2: Comparison of the Construction/Demolition Total GHG Emissions for the Proposed Project and the Devil's Canyon Road Site Alternative

Scenario	Construction/Demolition CO ₂ e Emissions	
	Proposed Project	Devil's Canyon Road Site
Construction Period, Years	2029-2033 ¹	2029-2039 ¹
Total Construction/Demolition GHG Emissions, MT	3,006	9,551
Amortized (30 Year) Construction/Demolition GHG Estimate (MT/year)	100	318

Notes:

1. Proposed Project construction schedule from the PEA, Devil's Canyon Road Site from Table 2-1.
2. VCAPCD has not defined CEQA significance thresholds for GHG emissions. Other areas such as South Coast Air Quality Management District (SCAQMD 2023) have identified an industrial source GHG emissions threshold of 10,000 MT/year, where a project's total amortized construction plus operation emissions are compared to the threshold. Since this report provides construction/demolition emissions only and does not include operations emissions at the Devil's Canyon Road Site, a comparison to the SCAQMD threshold is not applicable.

4.0 CONCLUSIONS

This analysis shows that construction of the compressor station at the Devil's Canyon Road Site would result in higher construction-related criteria pollutant and GHG emissions than the Proposed Project, both on a daily and total basis. The higher emissions are primarily due to the need for additional site preparation, well abandonment, and soil remediation, gas pipeline installation, and longer construction duration. Overall, the Devil's Canyon Road Site would have a greater impact on air quality compared to the Proposed Project, with NO_x emissions that are more than twice as much and CO impacts that are almost quadruple those for the Proposed Project. Further, NO_x emissions were below the VCAPCD 25 lbs/day threshold for all individual and overlapping phases for the Proposed Project but were over the NO_x threshold for several individual and overlapping phases involving the new phases at the Devil's Canyon Road Site. Similarly, the analysis indicates that the construction phase of the Devil's Canyon Road Site Alternative would result in higher (triple) total GHG emissions compared to the Proposed Project.

We note that there are many uncertainties related to this analysis, most of which would tend to make the differences between the Proposed Project and the site alternative even greater:

- A prior version of CalEEMod was used for the Proposed Project, and since CalEEMod incorporates new regulatory emissions reductions, the estimated emissions for the Proposed Project would be lower if redone using a newer version;
- At the time the PEA was prepared, the construction of the Proposed Project was anticipated to begin in 2029, but that may be delayed due to the additional time needed for the CPUC process. A later start date would reflect a vehicle and construction equipment fleet that reflects more fleet turnover and more equipment meeting regulatory program requirements, and hence a project with a later start date for construction would result in lower emissions²;
- The compressor station at the alternative sites has not been designed/engineered to the same level as the Proposed Project. SoCalGas estimates that the alternative sites are only at about a 5% engineering level whereas the Proposed Project has been designed to approximately 15%; and
- Due to lack of site access and uncertainties related to the construction schedule, several simplifying assumptions were made related to the alternate site engineering, such as that the onsite construction equipment usage would be the same as the Proposed Project.

If the emissions for the Proposed Project are reduced or the emissions for the Devil's Canyon Road Site increased due to these factors, the difference between the Proposed Project and the alternative site would be greater, i.e., the air quality impacts from constructing at the alternative site would be even worse.

² Per Table 2-1, the Devil's Canyon Road Site Alternative is also assumed to start construction in 2029.

5.0 REFERENCES

California Air Pollution Control Officers Association (CAPCOA). 2022. California Emissions Estimation Model® (CalEEMod). Version 2022.1.1.30. Website (<http://www.caleemod.com/>) accessed August 2025.

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Ventura County Air Pollution Control District (VCAPCD). 2003. Ventura County Air Quality Assessment Guidelines. Website (<http://www.vcapcd.org/pubs/Planning/VCAQGuidelines.pdf>).

ATTACHMENT A – CALEEMOD OUTPUTS

ATTACHMENT A.1 – CRITERIA POLLUTANT EMISSIONS (INDIVIDUAL PHASES)

SCG-VCM Project - Devils Canyon Site- Criteria Pollutants- Individual Phases Detailed Report

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- 3.41. A6-Electrical Interconnect (2035) - Unmitigated

3.42. A6-Electrical Interconnect (2035) - Mitigated

3.43. A6-Electrical Interconnect (2036) - Unmitigated

3.44. A6-Electrical Interconnect (2036) - Mitigated

3.45. 8-Paving (2037) - Unmitigated

3.46. 8-Paving (2037) - Mitigated

3.47. 8-Paving (2038) - Unmitigated

3.48. 8-Paving (2038) - Mitigated

3.49. 9-Painting/Insulation (2038) - Unmitigated

3.50. 9-Painting/Insulation (2038) - Mitigated

3.51. 5-Trenching/Undergrounds (2036) - Unmitigated

3.52. 5-Trenching/Undergrounds (2036) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	SCG-VCM Project - Devils Canyon Site- Criteria Pollutants- Individual Phases
Construction Start Date	8/16/2029
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.20
Precipitation (days)	2.20
Location	34.31374359, -119.29985809
County	Ventura
City	Unincorporated
Air District	Ventura County APCD
Air Basin	South Central Coast
TAZ	3406
EDFZ	8
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
General Heavy Industry	5.46	1000sqft	0.13	5,459	0.00	—	—	—

General Heavy Industry	10.5	1000sqft	0.24	10,458	0.00	—	—	—
General Heavy Industry	2.02	1000sqft	0.05	2,016	0.00	—	—	—
General Heavy Industry	0.44	1000sqft	0.01	442	0.00	—	—	—
General Office Building	4.64	1000sqft	0.11	4,641	0.00	—	—	—
Other Asphalt Surfaces	344	1000sqft	7.89	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-10-C	Water Unpaved Construction Roads
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-12	Sweep Paved Roads

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.68	47.6	327	0.50	1.24	6.53	7.50	1.24	1.22	2.19	—	54,336	54,336	2.11	1.37	14.7	54,633
Mit.	6.68	47.6	327	0.50	1.24	6.53	7.50	1.24	1.22	2.19	—	54,336	54,336	2.11	1.37	14.7	54,633
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.89	45.1	281	0.44	1.11	8.85	9.96	1.11	1.86	2.97	—	48,373	48,373	1.73	1.80	0.38	48,951
Mit.	5.89	45.1	281	0.44	1.11	8.85	9.96	1.11	1.86	2.97	—	48,373	48,373	1.73	1.80	0.38	48,951
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.09	16.2	102	0.15	0.39	1.73	2.12	0.39	0.36	0.75	—	16,807	16,807	0.64	0.35	1.61	16,925
Mit.	2.09	16.2	102	0.15	0.39	1.73	2.12	0.39	0.36	0.75	—	16,807	16,807	0.64	0.35	1.61	16,925
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.38	2.96	18.5	0.03	0.07	0.32	0.39	0.07	0.07	0.14	—	2,783	2,783	0.11	0.06	0.27	2,802
Mit.	0.38	2.96	18.5	0.03	0.07	0.32	0.39	0.07	0.07	0.14	—	2,783	2,783	0.11	0.06	0.27	2,802
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	4.94	34.6	242	0.35	0.98	2.66	3.65	0.98	0.72	1.70	—	39,223	39,223	1.41	1.37	14.7	39,679
2030	4.40	29.1	220	0.29	0.88	2.07	2.96	0.88	0.56	1.44	—	33,104	33,104	1.21	1.04	10.2	33,453
2035	6.68	47.6	327	0.50	1.24	6.53	7.50	1.24	1.22	2.19	—	54,336	54,336	2.11	0.81	4.82	54,633
2036	2.11	25.3	87.1	0.18	0.32	2.47	2.79	0.32	0.63	0.95	—	19,662	19,662	0.68	0.61	4.44	19,866
2037	0.78	9.76	35.0	0.07	0.12	0.43	0.55	0.12	0.11	0.23	—	7,265	7,265	0.28	0.13	0.58	7,310

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2038	0.49	8.45	20.7	0.04	0.07	0.74	0.77	0.07	0.20	0.23	—	4,366	4,366	0.16	0.24	1.33	4,406
2039	0.43	6.89	18.4	0.04	0.06	0.58	0.65	0.06	0.13	0.19	—	4,004	4,004	0.15	0.11	0.42	4,040
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	4.91	34.9	242	0.35	0.98	2.66	3.65	0.98	0.72	1.70	—	39,199	39,199	1.41	1.37	0.38	39,642
2030	4.89	34.5	242	0.35	0.98	2.66	3.65	0.98	0.72	1.70	—	38,983	38,983	1.41	1.31	0.34	39,410
2035	5.89	45.1	281	0.44	1.11	8.85	9.96	1.11	1.86	2.97	—	48,373	48,373	1.73	1.80	0.31	48,951
2036	5.87	44.9	280	0.42	1.06	2.89	3.95	1.06	0.73	1.80	—	45,755	45,755	1.73	0.89	0.13	46,063
2037	1.73	21.7	75.0	0.15	0.26	1.20	1.46	0.26	0.30	0.56	—	15,441	15,441	0.59	0.33	0.05	15,538
2038	5.84	12.9	27.3	0.07	0.13	1.42	1.54	0.13	0.38	0.50	—	7,593	7,593	0.22	0.49	0.06	7,745
2039	—	—	—	—	—	—	—	—	—	—	—	4.33	4.33	< 0.005	< 0.005	—	4.35
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	1.30	9.09	64.1	0.09	0.26	0.68	0.94	0.26	0.18	0.44	—	10,240	10,240	0.37	0.35	1.61	10,355
2030	1.03	7.14	51.2	0.07	0.21	0.53	0.74	0.21	0.14	0.35	—	8,060	8,060	0.29	0.27	1.14	8,148
2035	2.09	15.0	102	0.15	0.39	1.73	2.12	0.39	0.36	0.75	—	16,807	16,807	0.64	0.34	0.87	16,925
2036	1.63	16.2	73.0	0.13	0.27	1.22	1.49	0.27	0.31	0.58	—	13,736	13,736	0.50	0.32	0.91	13,844
2037	0.64	7.84	27.1	0.06	0.10	0.40	0.50	0.10	0.10	0.20	—	5,686	5,686	0.21	0.11	0.25	5,725
2038	0.73	2.72	5.97	0.02	0.02	0.24	0.26	0.02	0.06	0.09	—	1,509	1,509	0.05	0.08	0.17	1,534
2039	0.08	1.29	3.42	0.01	0.01	0.11	0.12	0.01	0.02	0.04	—	745	745	0.03	0.02	0.03	751
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	0.24	1.66	11.7	0.02	0.05	0.12	0.17	0.05	0.03	0.08	—	1,695	1,695	0.06	0.06	0.27	1,714
2030	0.19	1.30	9.34	0.01	0.04	0.10	0.14	0.04	0.03	0.06	—	1,334	1,334	0.05	0.04	0.19	1,349
2035	0.38	2.75	18.5	0.03	0.07	0.32	0.39	0.07	0.07	0.14	—	2,783	2,783	0.11	0.06	0.14	2,802
2036	0.30	2.96	13.3	0.02	0.05	0.22	0.27	0.05	0.06	0.11	—	2,274	2,274	0.08	0.05	0.15	2,292
2037	0.12	1.43	4.95	0.01	0.02	0.07	0.09	0.02	0.02	0.04	—	941	941	0.04	0.02	0.04	948
2038	0.13	0.50	1.09	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.02	—	250	250	0.01	0.01	0.03	254
2039	0.01	0.24	0.62	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	123	123	< 0.005	< 0.005	0.01	124

2.3. Construction Emissions by Year, Mitigated

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	4.94	34.6	242	0.35	0.98	2.66	3.65	0.98	0.72	1.70	—	39,223	39,223	1.41	1.37	14.7	39,679
2030	4.40	29.1	220	0.29	0.88	2.07	2.96	0.88	0.56	1.44	—	33,104	33,104	1.21	1.04	10.2	33,453
2035	6.68	47.6	327	0.50	1.24	6.53	7.50	1.24	1.22	2.19	—	54,336	54,336	2.11	0.81	4.82	54,633
2036	2.11	25.3	87.1	0.18	0.32	2.47	2.79	0.32	0.63	0.95	—	19,662	19,662	0.68	0.61	4.44	19,866
2037	0.78	9.76	35.0	0.07	0.12	0.43	0.55	0.12	0.11	0.23	—	7,265	7,265	0.28	0.13	0.58	7,310
2038	0.49	8.45	20.7	0.04	0.07	0.74	0.77	0.07	0.20	0.23	—	4,366	4,366	0.16	0.24	1.33	4,406
2039	0.43	6.89	18.4	0.04	0.06	0.58	0.65	0.06	0.13	0.19	—	4,004	4,004	0.15	0.11	0.42	4,040
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	4.91	34.9	242	0.35	0.98	2.66	3.65	0.98	0.72	1.70	—	39,199	39,199	1.41	1.37	0.38	39,642
2030	4.89	34.5	242	0.35	0.98	2.66	3.65	0.98	0.72	1.70	—	38,983	38,983	1.41	1.31	0.34	39,410
2035	5.89	45.1	281	0.44	1.11	8.85	9.96	1.11	1.86	2.97	—	48,373	48,373	1.73	1.80	0.31	48,951
2036	5.87	44.9	280	0.42	1.06	2.89	3.95	1.06	0.73	1.80	—	45,755	45,755	1.73	0.89	0.13	46,063
2037	1.73	21.7	75.0	0.15	0.26	1.20	1.46	0.26	0.30	0.56	—	15,441	15,441	0.59	0.33	0.05	15,538
2038	5.84	12.9	27.3	0.07	0.13	1.42	1.54	0.13	0.38	0.50	—	7,593	7,593	0.22	0.49	0.06	7,745
2039	—	—	—	—	—	—	—	—	—	—	—	4.33	4.33	< 0.005	< 0.005	—	4.35
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	1.30	9.09	64.1	0.09	0.26	0.68	0.94	0.26	0.18	0.44	—	10,240	10,240	0.37	0.35	1.61	10,355
2030	1.03	7.14	51.2	0.07	0.21	0.53	0.74	0.21	0.14	0.35	—	8,060	8,060	0.29	0.27	1.14	8,148
2035	2.09	15.0	102	0.15	0.39	1.73	2.12	0.39	0.36	0.75	—	16,807	16,807	0.64	0.34	0.87	16,925
2036	1.63	16.2	73.0	0.13	0.27	1.22	1.49	0.27	0.31	0.58	—	13,736	13,736	0.50	0.32	0.91	13,844
2037	0.64	7.84	27.1	0.06	0.10	0.40	0.50	0.10	0.10	0.20	—	5,686	5,686	0.21	0.11	0.25	5,725

2038	0.73	2.72	5.97	0.02	0.02	0.24	0.26	0.02	0.06	0.09	—	1,509	1,509	0.05	0.08	0.17	1,534
2039	0.08	1.29	3.42	0.01	0.01	0.11	0.12	0.01	0.02	0.04	—	745	745	0.03	0.02	0.03	751
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	0.24	1.66	11.7	0.02	0.05	0.12	0.17	0.05	0.03	0.08	—	1,695	1,695	0.06	0.06	0.27	1,714
2030	0.19	1.30	9.34	0.01	0.04	0.10	0.14	0.04	0.03	0.06	—	1,334	1,334	0.05	0.04	0.19	1,349
2035	0.38	2.75	18.5	0.03	0.07	0.32	0.39	0.07	0.07	0.14	—	2,783	2,783	0.11	0.06	0.14	2,802
2036	0.30	2.96	13.3	0.02	0.05	0.22	0.27	0.05	0.06	0.11	—	2,274	2,274	0.08	0.05	0.15	2,292
2037	0.12	1.43	4.95	0.01	0.02	0.07	0.09	0.02	0.02	0.04	—	941	941	0.04	0.02	0.04	948
2038	0.13	0.50	1.09	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.02	—	250	250	0.01	0.01	0.03	254
2039	0.01	0.24	0.62	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	123	123	< 0.005	< 0.005	0.01	124

3. Construction Emissions Details

3.1. 2-Demo Existing Equipment & Piping (2035) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	4.67	20.3	0.04	0.07	—	0.07	0.07	—	0.07	—	3,718	3,718	0.15	0.03	—	3,731
Demolition	—	—	—	—	—	4.30	4.30	—	0.65	0.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	4.67	20.3	0.04	0.07	—	0.07	0.07	—	0.07	—	3,718	3,718	0.15	0.03	—	3,731

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Demoliti	—	—	—	—	—	4.30	4.30	—	0.65	0.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.86	3.72	0.01	0.01	—	0.01	0.01	—	0.01	—	683	683	0.03	0.01	—	685
Demoliti on	—	—	—	—	—	0.79	0.79	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.16	0.68	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	113	113	< 0.005	< 0.005	—	113
Demoliti on	—	—	—	—	—	0.14	0.14	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.55	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	168	168	< 0.005	< 0.005	0.25	169
Vendor	< 0.005	0.19	0.07	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	180	180	< 0.005	0.03	0.17	189
Hauling	0.02	1.71	0.42	0.01	0.03	0.57	0.60	0.03	0.16	0.19	—	1,650	1,650	0.02	0.27	1.84	1,732
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.52	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	161	161	< 0.005	< 0.005	0.01	162
Vendor	< 0.005	0.20	0.07	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	181	181	< 0.005	0.03	< 0.005	189
Hauling	0.02	1.78	0.42	0.01	0.03	0.57	0.60	0.03	0.16	0.19	—	1,651	1,651	0.02	0.27	0.05	1,731
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01	0.01	0.09	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	29.8	29.8	< 0.005	< 0.005	0.02	29.9
Vendor	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	33.1	33.1	< 0.005	0.01	0.01	34.7
Hauling	< 0.005	0.33	0.08	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	303	303	< 0.005	0.05	0.15	318
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.93	4.93	< 0.005	< 0.005	< 0.005	4.95
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.48	5.48	< 0.005	< 0.005	< 0.005	5.74
Hauling	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	50.2	50.2	< 0.005	0.01	0.02	52.6

3.2. 2-Demo Existing Equipment & Piping (2035) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	4.67	20.3	0.04	0.07	—	0.07	0.07	—	0.07	—	3,718	3,718	0.15	0.03	—	3,731
Demoliti on	—	—	—	—	—	4.30	4.30	—	0.65	0.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	4.67	20.3	0.04	0.07	—	0.07	0.07	—	0.07	—	3,718	3,718	0.15	0.03	—	3,731
Demoliti on	—	—	—	—	—	4.30	4.30	—	0.65	0.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.07	0.86	3.72	0.01	0.01	—	0.01	0.01	—	0.01	—	683	683	0.03	0.01	—	685
Demolition	—	—	—	—	—	0.79	0.79	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.16	0.68	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	113	113	< 0.005	< 0.005	—	113
Demolition	—	—	—	—	—	0.14	0.14	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.55	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	168	168	< 0.005	< 0.005	0.25	169
Vendor	< 0.005	0.19	0.07	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	180	180	< 0.005	0.03	0.17	189
Hauling	0.02	1.71	0.42	0.01	0.03	0.57	0.60	0.03	0.16	0.19	—	1,650	1,650	0.02	0.27	1.84	1,732
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.52	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	161	161	< 0.005	< 0.005	0.01	162
Vendor	< 0.005	0.20	0.07	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	181	181	< 0.005	0.03	< 0.005	189
Hauling	0.02	1.78	0.42	0.01	0.03	0.57	0.60	0.03	0.16	0.19	—	1,651	1,651	0.02	0.27	0.05	1,731
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	29.8	29.8	< 0.005	< 0.005	0.02	29.9
Vendor	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	33.1	33.1	< 0.005	0.01	0.01	34.7
Hauling	< 0.005	0.33	0.08	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	303	303	< 0.005	0.05	0.15	318
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.93	4.93	< 0.005	< 0.005	< 0.005	4.95
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.48	5.48	< 0.005	< 0.005	< 0.005	5.74
Hauling	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	50.2	50.2	< 0.005	0.01	0.02	52.6

3.3. 12-Decommissioning Demolition (2039) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	6.32	17.7	0.03	0.06	—	0.06	0.06	—	0.06	—	3,319	3,319	0.13	0.03	—	3,330
Demolition	—	—	—	—	—	0.18	0.18	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	1.18	3.30	0.01	0.01	—	0.01	0.01	—	0.01	—	618	618	0.03	0.01	—	620
Demolition	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.21	0.60	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	102	102	< 0.005	< 0.005	—	103
Demolition	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.02	0.47	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	169	169	< 0.005	< 0.005	0.14	170
Vendor	0.01	0.38	0.15	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	363	363	0.01	0.05	0.18	380
Hauling	< 0.005	0.17	0.05	< 0.005	< 0.005	0.05	0.06	< 0.005	0.02	0.02	—	149	149	< 0.005	0.02	0.10	156
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	30.3	30.3	< 0.005	< 0.005	0.01	30.4
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	67.7	67.7	< 0.005	0.01	0.01	70.8
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.7	27.7	< 0.005	< 0.005	0.01	29.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.02	5.02	< 0.005	< 0.005	< 0.005	5.04
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	11.2	11.2	< 0.005	< 0.005	< 0.005	11.7
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.59	4.59	< 0.005	< 0.005	< 0.005	4.81

3.4. 12-Decommissioning Demolition (2039) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	6.32	17.7	0.03	0.06	—	0.06	0.06	—	0.06	—	3,319	3,319	0.13	0.03	—	3,330

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Demoliti	—	—	—	—	—	0.18	0.18	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	1.18	3.30	0.01	0.01	—	0.01	0.01	—	0.01	—	618	618	0.03	0.01	—	620
Demoliti on	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.21	0.60	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	102	102	< 0.005	< 0.005	—	103
Demoliti on	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.02	0.47	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	169	169	< 0.005	< 0.005	0.14	170
Vendor	0.01	0.38	0.15	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	363	363	0.01	0.05	0.18	380
Hauling	< 0.005	0.17	0.05	< 0.005	< 0.005	0.05	0.06	< 0.005	0.02	0.02	—	149	149	< 0.005	0.02	0.10	156
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	30.3	30.3	< 0.005	< 0.005	0.01	30.4

Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	67.7	67.7	< 0.005	0.01	0.01	70.8
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.7	27.7	< 0.005	< 0.005	0.01	29.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.02	5.02	< 0.005	< 0.005	< 0.005	5.04
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	11.2	11.2	< 0.005	< 0.005	< 0.005	11.7
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.59	4.59	< 0.005	< 0.005	< 0.005	4.81

3.5. 1-Subsurface Exploration (2035) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	3.02	23.9	0.04	0.09	—	0.09	0.09	—	0.09	—	4,632	4,632	0.19	0.04	—	4,648
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.40	3.14	0.01	0.01	—	0.01	0.01	—	0.01	—	609	609	0.02	< 0.005	—	611
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.07	0.57	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	101	101	< 0.005	< 0.005	—	101
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.03	0.57	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	174	174	< 0.005	< 0.005	0.26	175
Vendor	< 0.005	0.19	0.07	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	180	180	< 0.005	0.03	0.17	189
Hauling	0.01	0.59	0.14	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	—	563	563	0.01	0.09	0.63	591
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.07	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	22.1	22.1	< 0.005	< 0.005	0.01	22.2
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23.7	23.7	< 0.005	< 0.005	0.01	24.8
Hauling	< 0.005	0.08	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	74.1	74.1	< 0.005	0.01	0.04	77.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.66	3.66	< 0.005	< 0.005	< 0.005	3.68
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.93	3.93	< 0.005	< 0.005	< 0.005	4.11
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.3	12.3	< 0.005	< 0.005	0.01	12.9

3.6. 1-Subsurface Exploration (2035) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	3.02	23.9	0.04	0.09	—	0.09	0.09	—	0.09	—	4,632	4,632	0.19	0.04	—	4,648
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.40	3.14	0.01	0.01	—	0.01	0.01	—	0.01	—	609	609	0.02	< 0.005	—	611
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.07	0.57	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	101	101	< 0.005	< 0.005	—	101
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.03	0.57	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	174	174	< 0.005	< 0.005	0.26	175
Vendor	< 0.005	0.19	0.07	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	180	180	< 0.005	0.03	0.17	189
Hauling	0.01	0.59	0.14	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	—	563	563	0.01	0.09	0.63	591
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.07	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	22.1	22.1	< 0.005	< 0.005	0.01	22.2
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23.7	23.7	< 0.005	< 0.005	0.01	24.8
Hauling	< 0.005	0.08	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	74.1	74.1	< 0.005	0.01	0.04	77.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.66	3.66	< 0.005	< 0.005	< 0.005	3.68
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.93	3.93	< 0.005	< 0.005	< 0.005	4.11
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.3	12.3	< 0.005	< 0.005	0.01	12.9

3.7. A4-Offsite Laydown Development (2035) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.43	14.5	73.1	0.14	0.26	—	0.26	0.26	—	0.26	—	14,160	14,160	0.57	0.11	—	14,209

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Dust From Material Movement	—	—	—	—	—	0.21	0.21	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.90	9.62	0.02	0.03	—	0.03	0.03	—	0.03	—	1,862	1,862	0.08	0.02	—	1,869
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.35	1.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	308	308	0.01	< 0.005	—	309
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.01	0.22	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	68.5	68.5	< 0.005	< 0.005	0.10	68.9
Vendor	0.01	0.42	0.16	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	406	406	0.01	0.06	0.39	425
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.68	8.68	< 0.005	< 0.005	0.01	8.72
Vendor	< 0.005	0.06	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	53.4	53.4	< 0.005	0.01	0.02	55.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.44	1.44	< 0.005	< 0.005	< 0.005	1.44
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.84	8.84	< 0.005	< 0.005	< 0.005	9.25
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. A4-Offsite Laydown Development (2035) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.43	14.5	73.1	0.14	0.26	—	0.26	0.26	—	0.26	—	14,160	14,160	0.57	0.11	—	14,209
Dust From Material Movement	—	—	—	—	—	0.21	0.21	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.19	1.90	9.62	0.02	0.03	—	0.03	0.03	—	0.03	—	1,862	1,862	0.08	0.02	—	1,869
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.35	1.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	308	308	0.01	< 0.005	—	309
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.01	0.22	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	68.5	68.5	< 0.005	< 0.005	0.10	68.9
Vendor	0.01	0.42	0.16	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	406	406	0.01	0.06	0.39	425
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.68	8.68	< 0.005	< 0.005	0.01	8.72
Vendor	< 0.005	0.06	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	53.4	53.4	< 0.005	0.01	0.02	55.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.44	1.44	< 0.005	< 0.005	< 0.005	1.44

Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.84	8.84	< 0.005	< 0.005	< 0.005	9.25
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. A1-Site Assessment (2029) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.85	9.14	0.02	0.03	—	0.03	0.03	—	0.03	—	1,703	1,703	0.07	0.01	—	1,709
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.03	0.35	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	65.3	65.3	< 0.005	< 0.005	—	65.5
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.8	10.8	< 0.005	< 0.005	—	10.9

Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.02	0.35	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	81.5	81.5	< 0.005	< 0.005	0.23	82.8
Vendor	< 0.005	0.12	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	111	111	< 0.005	0.02	0.21	116
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.01	3.01	< 0.005	< 0.005	< 0.005	3.06
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.25	4.25	< 0.005	< 0.005	< 0.005	4.44
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.50	0.50	< 0.005	< 0.005	< 0.005	0.51
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.70	0.70	< 0.005	< 0.005	< 0.005	0.74
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. A1-Site Assessment (2029) - Mitigated

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

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

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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.85	9.14	0.02	0.03	—	0.03	0.03	—	0.03	—	1,703	1,703	0.07	0.01	—	1,709
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.03	0.35	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	65.3	65.3	< 0.005	< 0.005	—	65.5
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.8	10.8	< 0.005	< 0.005	—	10.9
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.04	0.02	0.35	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	81.5	81.5	< 0.005	< 0.005	0.23	82.8
Vendor	< 0.005	0.12	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	111	111	< 0.005	0.02	0.21	116
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.01	3.01	< 0.005	< 0.005	< 0.005	3.06
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.25	4.25	< 0.005	< 0.005	< 0.005	4.44
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.50	0.50	< 0.005	< 0.005	< 0.005	0.51
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.70	0.70	< 0.005	< 0.005	< 0.005	0.74
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. A2-Soil Remediation (2029) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	3.27	21.5	0.04	0.08	—	0.08	0.08	—	0.08	—	4,240	4,240	0.17	0.03	—	4,254
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

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Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	3.27	21.5	0.04	0.08	—	0.08	0.08	—	0.08	—	4,240	4,240	0.17	0.03	—	4,254
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.65	4.29	0.01	0.02	—	0.02	0.02	—	0.02	—	846	846	0.03	0.01	—	849
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.12	0.78	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	140	140	0.01	< 0.005	—	141
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.53	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	122	122	< 0.005	0.01	0.35	124
Vendor	0.01	0.37	0.12	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	332	332	< 0.005	0.05	0.64	348

Hauling	0.02	1.55	0.41	0.01	0.02	0.36	0.38	0.02	0.10	0.12	—	1,257	1,257	0.02	0.20	2.30	1,319
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.50	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	117	117	< 0.005	0.01	0.01	119
Vendor	0.01	0.39	0.13	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	332	332	< 0.005	0.05	0.02	347
Hauling	0.02	1.60	0.42	0.01	0.02	0.36	0.38	0.02	0.10	0.12	—	1,257	1,257	0.02	0.20	0.06	1,317
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	23.5	23.5	< 0.005	< 0.005	0.03	23.9
Vendor	< 0.005	0.08	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	66.3	66.3	< 0.005	0.01	0.05	69.3
Hauling	< 0.005	0.32	0.08	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	251	251	< 0.005	0.04	0.20	263
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.89	3.89	< 0.005	< 0.005	0.01	3.95
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.0	11.0	< 0.005	< 0.005	0.01	11.5
Hauling	< 0.005	0.06	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	41.5	41.5	< 0.005	0.01	0.03	43.6

3.12. A2-Soil Remediation (2029) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	3.27	21.5	0.04	0.08	—	0.08	0.08	—	0.08	—	4,240	4,240	0.17	0.03	—	4,254
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

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Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	3.27	21.5	0.04	0.08	—	0.08	0.08	—	0.08	—	4,240	4,240	0.17	0.03	—	4,254
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.65	4.29	0.01	0.02	—	0.02	0.02	—	0.02	—	846	846	0.03	0.01	—	849
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.12	0.78	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	140	140	0.01	< 0.005	—	141
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.53	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	122	122	< 0.005	0.01	0.35	124
Vendor	0.01	0.37	0.12	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	332	332	< 0.005	0.05	0.64	348

Hauling	0.02	1.55	0.41	0.01	0.02	0.36	0.38	0.02	0.10	0.12	—	1,257	1,257	0.02	0.20	2.30	1,319
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.50	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	117	117	< 0.005	0.01	0.01	119
Vendor	0.01	0.39	0.13	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	332	332	< 0.005	0.05	0.02	347
Hauling	0.02	1.60	0.42	0.01	0.02	0.36	0.38	0.02	0.10	0.12	—	1,257	1,257	0.02	0.20	0.06	1,317
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	23.5	23.5	< 0.005	< 0.005	0.03	23.9
Vendor	< 0.005	0.08	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	66.3	66.3	< 0.005	0.01	0.05	69.3
Hauling	< 0.005	0.32	0.08	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	251	251	< 0.005	0.04	0.20	263
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.89	3.89	< 0.005	< 0.005	0.01	3.95
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.0	11.0	< 0.005	< 0.005	0.01	11.5
Hauling	< 0.005	0.06	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	41.5	41.5	< 0.005	0.01	0.03	43.6

3.13. A2-Soil Remediation (2030) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	3.27	21.5	0.04	0.08	—	0.08	0.08	—	0.08	—	4,240	4,240	0.17	0.03	—	4,254

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Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.45	2.94	0.01	0.01	—	0.01	0.01	—	0.01	—	581	581	0.02	< 0.005	—	583
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.08	0.54	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	96.2	96.2	< 0.005	< 0.005	—	96.5
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.47	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	115	115	< 0.005	0.01	0.01	117
Vendor	0.01	0.37	0.12	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	322	322	< 0.005	0.05	0.01	336
Hauling	0.02	1.54	0.42	0.01	0.02	0.36	0.38	0.02	0.10	0.12	—	1,221	1,221	0.02	0.19	0.05	1,278

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.9	15.9	< 0.005	< 0.005	0.02	16.1
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	44.1	44.1	< 0.005	0.01	0.03	46.1
Hauling	< 0.005	0.21	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	167	167	< 0.005	0.03	0.12	175
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.63	2.63	< 0.005	< 0.005	< 0.005	2.67
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.30	7.30	< 0.005	< 0.005	0.01	7.62
Hauling	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.7	27.7	< 0.005	< 0.005	0.02	29.0

3.14. A2-Soil Remediation (2030) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	3.27	21.5	0.04	0.08	—	0.08	0.08	—	0.08	—	4,240	4,240	0.17	0.03	—	4,254
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.45	2.94	0.01	0.01	—	0.01	0.01	—	0.01	—	581	581	0.02	< 0.005	—	583

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Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.08	0.54	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	96.2	96.2	< 0.005	< 0.005	—	96.5
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.47	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	115	115	< 0.005	0.01	0.01	117
Vendor	0.01	0.37	0.12	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	322	322	< 0.005	0.05	0.01	336
Hauling	0.02	1.54	0.42	0.01	0.02	0.36	0.38	0.02	0.10	0.12	—	1,221	1,221	0.02	0.19	0.05	1,278
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.9	15.9	< 0.005	< 0.005	0.02	16.1
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	44.1	44.1	< 0.005	0.01	0.03	46.1
Hauling	< 0.005	0.21	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	167	167	< 0.005	0.03	0.12	175
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.63	2.63	< 0.005	< 0.005	< 0.005	2.67
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.30	7.30	< 0.005	< 0.005	0.01	7.62
Hauling	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.7	27.7	< 0.005	< 0.005	0.02	29.0

3.15. 3-Site Preparation/ Rough Grading (2035) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	1.86	12.2	0.02	0.04	—	0.04	0.04	—	0.04	—	2,280	2,280	0.09	0.02	—	2,288
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.10	0.64	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	119	119	< 0.005	< 0.005	—	119
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	19.7	19.7	< 0.005	< 0.005	—	19.7
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.04	0.58	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	179	179	< 0.005	< 0.005	0.01	180
Vendor	0.01	0.25	0.09	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.03	—	226	226	< 0.005	0.03	0.01	236
Hauling	0.08	6.34	1.52	0.05	0.10	2.02	2.12	0.10	0.57	0.67	—	5,862	5,862	0.06	0.95	0.17	6,146
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.37	9.37	< 0.005	< 0.005	0.01	9.42
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.7	11.7	< 0.005	< 0.005	< 0.005	12.3
Hauling	< 0.005	0.33	0.08	< 0.005	0.01	0.11	0.11	0.01	0.03	0.03	—	305	305	< 0.005	0.05	0.15	320
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.55	1.55	< 0.005	< 0.005	< 0.005	1.56
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.94	1.94	< 0.005	< 0.005	< 0.005	2.03
Hauling	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	50.5	50.5	< 0.005	0.01	0.02	53.0

3.16. 3-Site Preparation/ Rough Grading (2035) - Mitigated

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

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

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Off-Road Equipment	0.23	1.86	12.2	0.02	0.04	—	0.04	0.04	—	0.04	—	2,280	2,280	0.09	0.02	—	2,288
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.10	0.64	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	119	119	< 0.005	< 0.005	—	119
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	19.7	19.7	< 0.005	< 0.005	—	19.7
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.04	0.58	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	179	179	< 0.005	< 0.005	0.01	180
Vendor	0.01	0.25	0.09	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.03	—	226	226	< 0.005	0.03	0.01	236

Hauling	0.08	6.34	1.52	0.05	0.10	2.02	2.12	0.10	0.57	0.67	—	5,862	5,862	0.06	0.95	0.17	6,146
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.37	9.37	< 0.005	< 0.005	0.01	9.42
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.7	11.7	< 0.005	< 0.005	< 0.005	12.3
Hauling	< 0.005	0.33	0.08	< 0.005	0.01	0.11	0.11	0.01	0.03	0.03	—	305	305	< 0.005	0.05	0.15	320
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.55	1.55	< 0.005	< 0.005	< 0.005	1.56
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.94	1.94	< 0.005	< 0.005	< 0.005	2.03
Hauling	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	50.5	50.5	< 0.005	0.01	0.02	53.0

3.17. 4-Foundations (2035) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	9.90	42.8	0.08	0.14	—	0.14	0.14	—	0.14	—	7,906	7,906	0.32	0.06	—	7,933
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.43	1.84	< 0.005	0.01	—	0.01	0.01	—	0.01	—	340	340	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.08	0.34	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	56.4	56.4	< 0.005	< 0.005	—	56.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.10	1.31	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	405	405	0.01	< 0.005	0.02	407
Vendor	0.01	0.39	0.15	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	361	361	0.01	0.06	0.01	378
Hauling	0.02	1.22	0.29	0.01	0.02	0.39	0.41	0.02	0.11	0.13	—	1,127	1,127	0.01	0.18	0.03	1,182
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.6	17.6	< 0.005	< 0.005	0.01	17.7
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	15.5	15.5	< 0.005	< 0.005	0.01	16.3
Hauling	< 0.005	0.05	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	48.5	48.5	< 0.005	0.01	0.02	50.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.91	2.91	< 0.005	< 0.005	< 0.005	2.92
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.57	2.57	< 0.005	< 0.005	< 0.005	2.69
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.03	8.03	< 0.005	< 0.005	< 0.005	8.43

3.18. 4-Foundations (2035) - Mitigated

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

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

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Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	9.90	42.8	0.08	0.14	—	0.14	0.14	—	0.14	—	7,906	7,906	0.32	0.06	—	7,933
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.43	1.84	< 0.005	0.01	—	0.01	0.01	—	0.01	—	340	340	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.08	0.34	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	56.4	56.4	< 0.005	< 0.005	—	56.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.10	1.31	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	405	405	0.01	< 0.005	0.02	407
Vendor	0.01	0.39	0.15	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	361	361	0.01	0.06	0.01	378
Hauling	0.02	1.22	0.29	0.01	0.02	0.39	0.41	0.02	0.11	0.13	—	1,127	1,127	0.01	0.18	0.03	1,182
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.6	17.6	< 0.005	< 0.005	0.01	17.7
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	15.5	15.5	< 0.005	< 0.005	0.01	16.3
Hauling	< 0.005	0.05	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	48.5	48.5	< 0.005	0.01	0.02	50.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.91	2.91	< 0.005	< 0.005	< 0.005	2.92
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.57	2.57	< 0.005	< 0.005	< 0.005	2.69
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.03	8.03	< 0.005	< 0.005	< 0.005	8.43

3.19. 4-Foundations (2036) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	9.90	42.8	0.08	0.14	—	0.14	0.14	—	0.14	—	7,906	7,906	0.32	0.06	—	7,933
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	9.90	42.8	0.08	0.14	—	0.14	0.14	—	0.14	—	7,906	7,906	0.32	0.06	—	7,933
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	4.26	18.4	0.03	0.06	—	0.06	0.06	—	0.06	—	3,404	3,404	0.14	0.03	—	3,415
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.78	3.36	0.01	0.01	—	0.01	0.01	—	0.01	—	564	564	0.02	< 0.005	—	565
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.07	1.30	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	419	419	0.01	< 0.005	0.54	421
Vendor	0.01	0.36	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	349	349	0.01	0.05	0.29	365
Hauling	0.02	1.13	0.28	0.01	0.02	0.39	0.41	0.02	0.11	0.13	—	1,102	1,102	0.01	0.17	1.10	1,155
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.09	1.24	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	401	401	0.01	< 0.005	0.01	403
Vendor	0.01	0.38	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	349	349	0.01	0.05	0.01	365
Hauling	0.02	1.18	0.28	0.01	0.02	0.39	0.41	0.02	0.11	0.13	—	1,102	1,102	0.01	0.17	0.03	1,154
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.04	0.52	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	174	174	< 0.005	< 0.005	0.10	175
Vendor	< 0.005	0.16	0.06	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	150	150	< 0.005	0.02	0.05	157
Hauling	0.01	0.51	0.12	< 0.005	0.01	0.17	0.18	0.01	0.05	0.06	—	474	474	0.01	0.07	0.20	497
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	28.8	28.8	< 0.005	< 0.005	0.02	28.9
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	24.9	24.9	< 0.005	< 0.005	0.01	26.0
Hauling	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	78.5	78.5	< 0.005	0.01	0.03	82.3

3.20. 4-Foundations (2036) - Mitigated

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

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

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Off-Road Equipment	0.81	9.90	42.8	0.08	0.14	—	0.14	0.14	—	0.14	—	7,906	7,906	0.32	0.06	—	7,933
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	9.90	42.8	0.08	0.14	—	0.14	0.14	—	0.14	—	7,906	7,906	0.32	0.06	—	7,933
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	4.26	18.4	0.03	0.06	—	0.06	0.06	—	0.06	—	3,404	3,404	0.14	0.03	—	3,415
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.78	3.36	0.01	0.01	—	0.01	0.01	—	0.01	—	564	564	0.02	< 0.005	—	565
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.07	1.30	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	419	419	0.01	< 0.005	0.54	421
Vendor	0.01	0.36	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	349	349	0.01	0.05	0.29	365
Hauling	0.02	1.13	0.28	0.01	0.02	0.39	0.41	0.02	0.11	0.13	—	1,102	1,102	0.01	0.17	1.10	1,155
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.09	1.24	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	401	401	0.01	< 0.005	0.01	403
Vendor	0.01	0.38	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	349	349	0.01	0.05	0.01	365

Hauling	0.02	1.18	0.28	0.01	0.02	0.39	0.41	0.02	0.11	0.13	—	1,102	1,102	0.01	0.17	0.03	1,154
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.04	0.52	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	174	174	< 0.005	< 0.005	0.10	175
Vendor	< 0.005	0.16	0.06	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	150	150	< 0.005	0.02	0.05	157
Hauling	0.01	0.51	0.12	< 0.005	0.01	0.17	0.18	0.01	0.05	0.06	—	474	474	0.01	0.07	0.20	497
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	28.8	28.8	< 0.005	< 0.005	0.02	28.9
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	24.9	24.9	< 0.005	< 0.005	0.01	26.0
Hauling	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	78.5	78.5	< 0.005	0.01	0.03	82.3

3.21. 10-Commissioning / Startup and Testing (2037) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	7.83	20.0	0.04	0.06	—	0.06	0.06	—	0.06	—	3,625	3,625	0.15	0.03	—	3,638
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.46	1.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	213	213	0.01	< 0.005	—	214
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	< 0.005	0.08	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	35.2	35.2	< 0.005	< 0.005	—	35.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.48	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	164	164	< 0.005	< 0.005	< 0.005	164
Vendor	0.01	0.28	0.11	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	254	254	< 0.005	0.04	< 0.005	266
Hauling	< 0.005	0.34	0.08	< 0.005	0.01	0.12	0.12	0.01	0.03	0.04	—	324	324	< 0.005	0.05	0.01	340
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.67	9.67	< 0.005	< 0.005	< 0.005	9.71
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	14.9	14.9	< 0.005	< 0.005	< 0.005	15.6
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.0	19.0	< 0.005	< 0.005	0.01	19.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.60	1.60	< 0.005	< 0.005	< 0.005	1.61
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.47	2.47	< 0.005	< 0.005	< 0.005	2.58
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.15	3.15	< 0.005	< 0.005	< 0.005	3.30

3.22. 10-Commissioning / Startup and Testing (2037) - Mitigated

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

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

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Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	7.83	20.0	0.04	0.06	—	0.06	0.06	—	0.06	—	3,625	3,625	0.15	0.03	—	3,638
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.46	1.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	213	213	0.01	< 0.005	—	214
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.08	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	35.2	35.2	< 0.005	< 0.005	—	35.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.48	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	164	164	< 0.005	< 0.005	< 0.005	164
Vendor	0.01	0.28	0.11	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	254	254	< 0.005	0.04	< 0.005	266
Hauling	< 0.005	0.34	0.08	< 0.005	0.01	0.12	0.12	0.01	0.03	0.04	—	324	324	< 0.005	0.05	0.01	340
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.67	9.67	< 0.005	< 0.005	< 0.005	9.71
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	14.9	14.9	< 0.005	< 0.005	< 0.005	15.6
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.0	19.0	< 0.005	< 0.005	0.01	19.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.60	1.60	< 0.005	< 0.005	< 0.005	1.61
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.47	2.47	< 0.005	< 0.005	< 0.005	2.58
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.15	3.15	< 0.005	< 0.005	< 0.005	3.30

3.23. 10-Commissioning / Startup and Testing (2038) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	7.83	20.0	0.04	0.06	—	0.06	0.06	—	0.06	—	3,625	3,625	0.15	0.03	—	3,637
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	7.83	20.0	0.04	0.06	—	0.06	0.06	—	0.06	—	3,625	3,625	0.15	0.03	—	3,637
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	2.02	5.16	0.01	0.02	—	0.02	0.02	—	0.02	—	936	936	0.04	0.01	—	940
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.37	0.94	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	155	155	0.01	< 0.005	—	156
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.49	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	170	170	< 0.005	< 0.005	0.16	171
Vendor	0.01	0.26	0.10	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	249	249	< 0.005	0.04	0.15	260
Hauling	< 0.005	0.33	0.08	< 0.005	0.01	0.12	0.12	0.01	0.03	0.04	—	320	320	< 0.005	0.05	0.25	336
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.46	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	163	163	< 0.005	< 0.005	< 0.005	163
Vendor	0.01	0.27	0.11	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	249	249	< 0.005	0.04	< 0.005	260
Hauling	< 0.005	0.34	0.08	< 0.005	0.01	0.12	0.12	0.01	0.03	0.04	—	320	320	< 0.005	0.05	0.01	336
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.12	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	42.3	42.3	< 0.005	< 0.005	0.02	42.5
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	64.3	64.3	< 0.005	0.01	0.02	67.1
Hauling	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	82.7	82.7	< 0.005	0.01	0.03	86.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.01	7.01	< 0.005	< 0.005	< 0.005	7.04
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.6	10.6	< 0.005	< 0.005	< 0.005	11.1
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	< 0.005	14.4

3.24. 10-Commissioning / Startup and Testing (2038) - Mitigated

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

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

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Off-Road Equipment	0.41	7.83	20.0	0.04	0.06	—	0.06	0.06	—	0.06	—	3,625	3,625	0.15	0.03	—	3,637
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	7.83	20.0	0.04	0.06	—	0.06	0.06	—	0.06	—	3,625	3,625	0.15	0.03	—	3,637
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	2.02	5.16	0.01	0.02	—	0.02	0.02	—	0.02	—	936	936	0.04	0.01	—	940
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.37	0.94	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	155	155	0.01	< 0.005	—	156
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.49	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	170	170	< 0.005	< 0.005	0.16	171
Vendor	0.01	0.26	0.10	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	249	249	< 0.005	0.04	0.15	260
Hauling	< 0.005	0.33	0.08	< 0.005	0.01	0.12	0.12	0.01	0.03	0.04	—	320	320	< 0.005	0.05	0.25	336
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.46	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	163	163	< 0.005	< 0.005	< 0.005	163
Vendor	0.01	0.27	0.11	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	249	249	< 0.005	0.04	< 0.005	260

Hauling	< 0.005	0.34	0.08	< 0.005	0.01	0.12	0.12	0.01	0.03	0.04	—	320	320	< 0.005	0.05	0.01	336
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.12	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	42.3	42.3	< 0.005	< 0.005	0.02	42.5
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	64.3	64.3	< 0.005	0.01	0.02	67.1
Hauling	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	82.7	82.7	< 0.005	0.01	0.03	86.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.01	7.01	< 0.005	< 0.005	< 0.005	7.04
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.6	10.6	< 0.005	< 0.005	< 0.005	11.1
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	< 0.005	14.4

3.25. 6-Equipment , Structural Steel & Building Erection, Piping (2036) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	11.2	38.4	0.07	0.13	—	0.13	0.13	—	0.13	—	7,155	7,155	0.29	0.06	—	7,179
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	11.2	38.4	0.07	0.13	—	0.13	0.13	—	0.13	—	7,155	7,155	0.29	0.06	—	7,179
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.39	5.72	19.6	0.04	0.07	—	0.07	0.07	—	0.07	—	3,654	3,654	0.15	0.03	—	3,667
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	1.04	3.58	0.01	0.01	—	0.01	0.01	—	0.01	—	605	605	0.02	< 0.005	—	607
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.09	1.49	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	481	481	0.01	0.01	0.61	483
Vendor	0.01	0.50	0.19	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	480	480	0.01	0.07	0.40	502
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	110	110	< 0.005	0.02	0.11	115
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.11	1.43	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	460	460	0.01	0.01	0.02	462
Vendor	0.01	0.52	0.20	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	480	480	0.01	0.07	0.01	502
Hauling	< 0.005	0.12	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	110	110	< 0.005	0.02	< 0.005	115
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.05	0.71	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	237	237	< 0.005	< 0.005	0.14	238
Vendor	0.01	0.26	0.10	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	245	245	< 0.005	0.04	0.09	256
Hauling	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	56.3	56.3	< 0.005	0.01	0.02	59.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.13	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	39.2	39.2	< 0.005	< 0.005	0.02	39.3
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	40.6	40.6	< 0.005	0.01	0.01	42.4
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.32	9.32	< 0.005	< 0.005	< 0.005	9.76

3.26. 6-Equipment , Structural Steel & Building Erection, Piping (2036) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	11.2	38.4	0.07	0.13	—	0.13	0.13	—	0.13	—	7,155	7,155	0.29	0.06	—	7,179
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	11.2	38.4	0.07	0.13	—	0.13	0.13	—	0.13	—	7,155	7,155	0.29	0.06	—	7,179
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	5.72	19.6	0.04	0.07	—	0.07	0.07	—	0.07	—	3,654	3,654	0.15	0.03	—	3,667
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	1.04	3.58	0.01	0.01	—	0.01	0.01	—	0.01	—	605	605	0.02	< 0.005	—	607
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.18	0.09	1.49	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	481	481	0.01	0.01	0.61	483
Vendor	0.01	0.50	0.19	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	480	480	0.01	0.07	0.40	502
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	110	110	< 0.005	0.02	0.11	115
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.11	1.43	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	460	460	0.01	0.01	0.02	462
Vendor	0.01	0.52	0.20	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	480	480	0.01	0.07	0.01	502
Hauling	< 0.005	0.12	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	110	110	< 0.005	0.02	< 0.005	115
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.05	0.71	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	237	237	< 0.005	< 0.005	0.14	238
Vendor	0.01	0.26	0.10	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	245	245	< 0.005	0.04	0.09	256
Hauling	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	56.3	56.3	< 0.005	0.01	0.02	59.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.13	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	39.2	39.2	< 0.005	< 0.005	0.02	39.3
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	40.6	40.6	< 0.005	0.01	0.01	42.4
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.32	9.32	< 0.005	< 0.005	< 0.005	9.76

3.27. 6-Equipment , Structural Steel & Building Erection, Piping (2037) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	11.2	38.4	0.07	0.13	—	0.13	0.13	—	0.13	—	7,155	7,155	0.29	0.06	—	7,180

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Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	1.07	3.68	0.01	0.01	—	0.01	0.01	—	0.01	—	686	686	0.03	0.01	—	688
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.20	0.67	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	114	114	< 0.005	< 0.005	—	114
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.09	1.35	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	456	456	0.01	0.01	0.01	457
Vendor	0.01	0.51	0.19	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	466	466	0.01	0.07	0.01	488
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	108	108	< 0.005	0.02	< 0.005	113
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.13	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	44.0	44.0	< 0.005	< 0.005	0.02	44.2
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	44.7	44.7	< 0.005	0.01	0.01	46.7
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.4	10.4	< 0.005	< 0.005	< 0.005	10.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.28	7.28	< 0.005	< 0.005	< 0.005	7.32
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.40	7.40	< 0.005	< 0.005	< 0.005	7.74
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.72	1.72	< 0.005	< 0.005	< 0.005	1.80

3.28. 6-Equipment , Structural Steel & Building Erection, Piping (2037) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	11.2	38.4	0.07	0.13	—	0.13	0.13	—	0.13	—	7,155	7,155	0.29	0.06	—	7,180
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	1.07	3.68	0.01	0.01	—	0.01	0.01	—	0.01	—	686	686	0.03	0.01	—	688
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.20	0.67	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	114	114	< 0.005	< 0.005	—	114
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.09	1.35	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	456	456	0.01	0.01	0.01	457

Vendor	0.01	0.51	0.19	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	466	466	0.01	0.07	0.01	488
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	108	108	< 0.005	0.02	< 0.005	113
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.13	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	44.0	44.0	< 0.005	< 0.005	0.02	44.2
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	44.7	44.7	< 0.005	0.01	0.01	46.7
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.4	10.4	< 0.005	< 0.005	< 0.005	10.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.28	7.28	< 0.005	< 0.005	< 0.005	7.32
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.40	7.40	< 0.005	< 0.005	< 0.005	7.74
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.72	1.72	< 0.005	< 0.005	< 0.005	1.80

3.29. 7-Electrical & Instrumentation (2037) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	9.26	34.2	0.07	0.12	—	0.12	0.12	—	0.12	—	6,593	6,593	0.27	0.05	—	6,616
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	9.26	34.2	0.07	0.12	—	0.12	0.12	—	0.12	—	6,593	6,593	0.27	0.05	—	6,616
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.43	5.78	21.4	0.04	0.07	—	0.07	0.07	—	0.07	—	4,119	4,119	0.17	0.03	—	4,133
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	1.06	3.90	0.01	0.01	—	0.01	0.01	—	0.01	—	682	682	0.03	0.01	—	684
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.04	0.66	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	220	220	< 0.005	< 0.005	0.24	221
Vendor	0.01	0.35	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	339	339	0.01	0.05	0.24	354
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	108	108	< 0.005	0.02	0.10	113
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.04	0.62	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	210	210	< 0.005	< 0.005	0.01	211
Vendor	0.01	0.37	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	339	339	0.01	0.05	0.01	355
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	108	108	< 0.005	0.02	< 0.005	113
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.03	0.39	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	132	132	< 0.005	< 0.005	0.07	133
Vendor	0.01	0.23	0.09	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.03	—	212	212	< 0.005	0.03	0.07	221
Hauling	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	67.5	67.5	< 0.005	0.01	0.03	70.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.07	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	21.9	21.9	< 0.005	< 0.005	0.01	22.0
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	35.0	35.0	< 0.005	0.01	0.01	36.7
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.2	11.2	< 0.005	< 0.005	< 0.005	11.7

3.30. 7-Electrical & Instrumentation (2037) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	9.26	34.2	0.07	0.12	—	0.12	0.12	—	0.12	—	6,593	6,593	0.27	0.05	—	6,616
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	9.26	34.2	0.07	0.12	—	0.12	0.12	—	0.12	—	6,593	6,593	0.27	0.05	—	6,616
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	5.78	21.4	0.04	0.07	—	0.07	0.07	—	0.07	—	4,119	4,119	0.17	0.03	—	4,133
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	1.06	3.90	0.01	0.01	—	0.01	0.01	—	0.01	—	682	682	0.03	0.01	—	684
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.08	0.04	0.66	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	220	220	< 0.005	< 0.005	0.24	221
Vendor	0.01	0.35	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	339	339	0.01	0.05	0.24	354
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	108	108	< 0.005	0.02	0.10	113
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.04	0.62	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	210	210	< 0.005	< 0.005	0.01	211
Vendor	0.01	0.37	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	339	339	0.01	0.05	0.01	355
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	108	108	< 0.005	0.02	< 0.005	113
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.03	0.39	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	132	132	< 0.005	< 0.005	0.07	133
Vendor	0.01	0.23	0.09	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.03	—	212	212	< 0.005	0.03	0.07	221
Hauling	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	67.5	67.5	< 0.005	0.01	0.03	70.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.07	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	21.9	21.9	< 0.005	< 0.005	0.01	22.0
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	35.0	35.0	< 0.005	0.01	0.01	36.7
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.2	11.2	< 0.005	< 0.005	< 0.005	11.7

3.31. 11-Post Construction / Site Restoration (2038) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.49	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	170	170	< 0.005	< 0.005	0.16	171
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.53	0.37	0.01	0.03	0.54	0.57	0.03	0.15	0.18	—	1,494	1,494	0.02	0.24	1.17	1,568
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.88	9.88	< 0.005	< 0.005	< 0.005	9.92
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.10	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	90.1	90.1	< 0.005	0.01	0.03	94.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.64	1.64	< 0.005	< 0.005	< 0.005	1.64
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	14.9	14.9	< 0.005	< 0.005	0.01	15.6

3.32. 11-Post Construction / Site Restoration (2038) - Mitigated

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

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

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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.49	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	170	170	< 0.005	< 0.005	0.16	171
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.53	0.37	0.01	0.03	0.54	0.57	0.03	0.15	0.18	—	1,494	1,494	0.02	0.24	1.17	1,568
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.88	9.88	< 0.005	< 0.005	< 0.005	9.92
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.10	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	90.1	90.1	< 0.005	0.01	0.03	94.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.64	1.64	< 0.005	< 0.005	< 0.005	1.64
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	14.9	14.9	< 0.005	< 0.005	0.01	15.6
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3.33. A3-Well Abandonment (2029) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.12	23.2	216	0.25	0.82	—	0.82	0.82	—	0.82	—	27,440	27,440	1.11	0.22	—	27,534
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.12	23.2	216	0.25	0.82	—	0.82	0.82	—	0.82	—	27,440	27,440	1.11	0.22	—	27,534
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.11	6.27	58.4	0.07	0.22	—	0.22	0.22	—	0.22	—	7,410	7,410	0.30	0.06	—	7,436
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	1.14	10.7	0.01	0.04	—	0.04	0.04	—	0.04	—	1,227	1,227	0.05	0.01	—	1,231
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.13	2.05	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	475	475	0.01	0.02	1.37	483
Vendor	0.03	1.51	0.50	0.01	0.01	0.41	0.42	0.01	0.11	0.12	—	1,356	1,356	0.02	0.20	2.61	1,419
Hauling	0.05	4.49	1.00	0.03	0.06	1.17	1.22	0.06	0.33	0.38	—	4,001	4,001	0.07	0.63	7.40	4,198
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.17	1.94	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	455	455	0.01	0.02	0.04	462
Vendor	0.03	1.58	0.51	0.01	0.01	0.41	0.42	0.01	0.11	0.12	—	1,357	1,357	0.02	0.20	0.07	1,417
Hauling	0.05	4.66	1.01	0.03	0.06	1.17	1.22	0.06	0.33	0.38	—	4,002	4,002	0.06	0.63	0.19	4,192
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.52	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	124	124	< 0.005	0.01	0.16	126
Vendor	0.01	0.42	0.14	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	366	366	< 0.005	0.05	0.30	383
Hauling	0.01	1.26	0.27	0.01	0.02	0.31	0.33	0.02	0.09	0.10	—	1,081	1,081	0.02	0.17	0.86	1,133
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	20.5	20.5	< 0.005	< 0.005	0.03	20.8
Vendor	< 0.005	0.08	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	60.6	60.6	< 0.005	0.01	0.05	63.4
Hauling	< 0.005	0.23	0.05	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	179	179	< 0.005	0.03	0.14	188

3.34. A3-Well Abandonment (2029) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.12	23.2	216	0.25	0.82	—	0.82	0.82	—	0.82	—	27,440	27,440	1.11	0.22	—	27,534

SCG-VCM Project - Devils Canyon Site- Criteria Pollutants- Individual Phases Detailed Report, 9/5/2025

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.12	23.2	216	0.25	0.82	—	0.82	0.82	—	0.82	—	27,440	27,440	1.11	0.22	—	27,534
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.11	6.27	58.4	0.07	0.22	—	0.22	0.22	—	0.22	—	7,410	7,410	0.30	0.06	—	7,436
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	1.14	10.7	0.01	0.04	—	0.04	0.04	—	0.04	—	1,227	1,227	0.05	0.01	—	1,231
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.13	2.05	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	475	475	0.01	0.02	1.37	483
Vendor	0.03	1.51	0.50	0.01	0.01	0.41	0.42	0.01	0.11	0.12	—	1,356	1,356	0.02	0.20	2.61	1,419
Hauling	0.05	4.49	1.00	0.03	0.06	1.17	1.22	0.06	0.33	0.38	—	4,001	4,001	0.07	0.63	7.40	4,198
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.17	1.94	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	455	455	0.01	0.02	0.04	462
Vendor	0.03	1.58	0.51	0.01	0.01	0.41	0.42	0.01	0.11	0.12	—	1,357	1,357	0.02	0.20	0.07	1,417
Hauling	0.05	4.66	1.01	0.03	0.06	1.17	1.22	0.06	0.33	0.38	—	4,002	4,002	0.06	0.63	0.19	4,192

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.52	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	124	124	< 0.005	0.01	0.16	126
Vendor	0.01	0.42	0.14	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	366	366	< 0.005	0.05	0.30	383
Hauling	0.01	1.26	0.27	0.01	0.02	0.31	0.33	0.02	0.09	0.10	—	1,081	1,081	0.02	0.17	0.86	1,133
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	20.5	20.5	< 0.005	< 0.005	0.03	20.8
Vendor	< 0.005	0.08	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	60.6	60.6	< 0.005	0.01	0.05	63.4
Hauling	< 0.005	0.23	0.05	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	179	179	< 0.005	0.03	0.14	188

3.35. A3-Well Abandonment (2030) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.12	23.2	216	0.25	0.82	—	0.82	0.82	—	0.82	—	27,438	27,438	1.11	0.22	—	27,532
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.12	23.2	216	0.25	0.82	—	0.82	0.82	—	0.82	—	27,438	27,438	1.11	0.22	—	27,532
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	5.09	47.4	0.06	0.18	—	0.18	0.18	—	0.18	—	6,014	6,014	0.24	0.05	—	6,034

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.93	8.64	0.01	0.03	—	0.03	0.03	—	0.03	—	996	996	0.04	0.01	—	999
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.13	1.93	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	467	467	0.01	0.02	1.22	475
Vendor	0.03	1.44	0.49	0.01	0.01	0.41	0.42	0.01	0.11	0.12	—	1,314	1,314	0.02	0.19	2.29	1,374
Hauling	0.05	4.29	1.00	0.03	0.06	1.17	1.22	0.06	0.33	0.38	—	3,884	3,884	0.06	0.60	6.71	4,073
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.15	1.83	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	447	447	0.01	0.02	0.03	453
Vendor	0.03	1.49	0.50	0.01	0.01	0.41	0.42	0.01	0.11	0.12	—	1,315	1,315	0.02	0.19	0.06	1,372
Hauling	0.05	4.45	1.01	0.03	0.06	1.17	1.22	0.06	0.33	0.38	—	3,885	3,885	0.06	0.60	0.17	4,067
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.40	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	98.7	98.7	< 0.005	< 0.005	0.12	100
Vendor	0.01	0.33	0.11	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	288	288	< 0.005	0.04	0.22	301
Hauling	0.01	0.98	0.22	0.01	0.01	0.26	0.27	0.01	0.07	0.08	—	851	851	0.01	0.13	0.64	892
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.3	16.3	< 0.005	< 0.005	0.02	16.6
Vendor	< 0.005	0.06	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	47.7	47.7	< 0.005	0.01	0.04	49.8
Hauling	< 0.005	0.18	0.04	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	141	141	< 0.005	0.02	0.11	148

3.36. A3-Well Abandonment (2030) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.12	23.2	216	0.25	0.82	—	0.82	0.82	—	0.82	—	27,438	27,438	1.11	0.22	—	27,532
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.12	23.2	216	0.25	0.82	—	0.82	0.82	—	0.82	—	27,438	27,438	1.11	0.22	—	27,532
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	5.09	47.4	0.06	0.18	—	0.18	0.18	—	0.18	—	6,014	6,014	0.24	0.05	—	6,034
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.93	8.64	0.01	0.03	—	0.03	0.03	—	0.03	—	996	996	0.04	0.01	—	999
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.13	1.93	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	467	467	0.01	0.02	1.22	475
Vendor	0.03	1.44	0.49	0.01	0.01	0.41	0.42	0.01	0.11	0.12	—	1,314	1,314	0.02	0.19	2.29	1,374

Hauling	0.05	4.29	1.00	0.03	0.06	1.17	1.22	0.06	0.33	0.38	—	3,884	3,884	0.06	0.60	6.71	4,073
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.15	1.83	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	447	447	0.01	0.02	0.03	453
Vendor	0.03	1.49	0.50	0.01	0.01	0.41	0.42	0.01	0.11	0.12	—	1,315	1,315	0.02	0.19	0.06	1,372
Hauling	0.05	4.45	1.01	0.03	0.06	1.17	1.22	0.06	0.33	0.38	—	3,885	3,885	0.06	0.60	0.17	4,067
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.40	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	98.7	98.7	< 0.005	< 0.005	0.12	100
Vendor	0.01	0.33	0.11	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	288	288	< 0.005	0.04	0.22	301
Hauling	0.01	0.98	0.22	0.01	0.01	0.26	0.27	0.01	0.07	0.08	—	851	851	0.01	0.13	0.64	892
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.3	16.3	< 0.005	< 0.005	0.02	16.6
Vendor	< 0.005	0.06	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	47.7	47.7	< 0.005	0.01	0.04	49.8
Hauling	< 0.005	0.18	0.04	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	141	141	< 0.005	0.02	0.11	148

3.37. A5-Gas Pipeline (2035) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.34	27.4	226	0.30	0.85	—	0.85	0.85	—	0.85	—	32,053	32,053	1.30	0.26	—	32,163
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	4.34	27.4	226	0.30	0.85	—	0.85	0.85	—	0.85	—	32,053	32,053	1.30	0.26	—	32,163
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.55	9.80	81.0	0.11	0.30	—	0.30	0.30	—	0.30	—	11,479	11,479	0.47	0.09	—	11,518
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	1.79	14.8	0.02	0.06	—	0.06	0.06	—	0.06	—	1,900	1,900	0.08	0.02	—	1,907
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.32	0.15	2.74	0.00	0.00	0.95	0.95	0.00	0.22	0.22	—	841	841	0.01	0.01	1.23	845
Vendor	0.01	0.47	0.18	< 0.005	< 0.005	0.17	0.17	< 0.005	0.05	0.05	—	451	451	0.01	0.07	0.43	472
Hauling	0.01	0.84	0.21	0.01	0.01	0.28	0.29	0.01	0.08	0.09	—	807	807	0.01	0.13	0.90	847
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.32	0.19	2.61	0.00	0.00	0.95	0.95	0.00	0.22	0.22	—	805	805	0.02	0.01	0.03	808
Vendor	0.01	0.49	0.19	< 0.005	< 0.005	0.17	0.17	< 0.005	0.05	0.05	—	451	451	0.01	0.07	0.01	472
Hauling	0.01	0.87	0.21	0.01	0.01	0.28	0.29	0.01	0.08	0.09	—	807	807	0.01	0.13	0.02	846
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.07	0.91	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	290	290	0.01	< 0.005	0.19	292
Vendor	< 0.005	0.18	0.07	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	162	162	< 0.005	0.02	0.07	169
Hauling	< 0.005	0.31	0.07	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	289	289	< 0.005	0.05	0.14	303

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.17	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	48.0	48.0	< 0.005	< 0.005	0.03	48.3
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	26.7	26.7	< 0.005	< 0.005	0.01	28.0
Hauling	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	47.9	47.9	< 0.005	0.01	0.02	50.2

3.38. A5-Gas Pipeline (2035) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.34	27.4	226	0.30	0.85	—	0.85	0.85	—	0.85	—	32,053	32,053	1.30	0.26	—	32,163
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.34	27.4	226	0.30	0.85	—	0.85	0.85	—	0.85	—	32,053	32,053	1.30	0.26	—	32,163
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.55	9.80	81.0	0.11	0.30	—	0.30	0.30	—	0.30	—	11,479	11,479	0.47	0.09	—	11,518
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	1.79	14.8	0.02	0.06	—	0.06	0.06	—	0.06	—	1,900	1,900	0.08	0.02	—	1,907

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.32	0.15	2.74	0.00	0.00	0.95	0.95	0.00	0.22	0.22	—	841	841	0.01	0.01	1.23	845
Vendor	0.01	0.47	0.18	< 0.005	< 0.005	0.17	0.17	< 0.005	0.05	0.05	—	451	451	0.01	0.07	0.43	472
Hauling	0.01	0.84	0.21	0.01	0.01	0.28	0.29	0.01	0.08	0.09	—	807	807	0.01	0.13	0.90	847
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.32	0.19	2.61	0.00	0.00	0.95	0.95	0.00	0.22	0.22	—	805	805	0.02	0.01	0.03	808
Vendor	0.01	0.49	0.19	< 0.005	< 0.005	0.17	0.17	< 0.005	0.05	0.05	—	451	451	0.01	0.07	0.01	472
Hauling	0.01	0.87	0.21	0.01	0.01	0.28	0.29	0.01	0.08	0.09	—	807	807	0.01	0.13	0.02	846
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.07	0.91	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	290	290	0.01	< 0.005	0.19	292
Vendor	< 0.005	0.18	0.07	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	162	162	< 0.005	0.02	0.07	169
Hauling	< 0.005	0.31	0.07	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	289	289	< 0.005	0.05	0.14	303
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.17	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	48.0	48.0	< 0.005	< 0.005	0.03	48.3
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	26.7	26.7	< 0.005	< 0.005	0.01	28.0
Hauling	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	47.9	47.9	< 0.005	0.01	0.02	50.2

3.39. A5-Gas Pipeline (2036) - Unmitigated

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

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

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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.34	27.4	226	0.30	0.85	—	0.85	0.85	—	0.85	—	32,053	32,053	1.30	0.26	—	32,163
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.60	3.80	31.4	0.04	0.12	—	0.12	0.12	—	0.12	—	4,454	4,454	0.18	0.04	—	4,469
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.69	5.73	0.01	0.02	—	0.02	0.02	—	0.02	—	737	737	0.03	0.01	—	740
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31	0.19	2.47	0.00	0.00	0.95	0.95	0.00	0.22	0.22	—	796	796	0.02	0.01	0.03	799
Vendor	0.01	0.48	0.18	< 0.005	< 0.005	0.17	0.17	< 0.005	0.05	0.05	—	437	437	0.01	0.06	0.01	456
Hauling	0.01	0.84	0.20	0.01	0.01	0.28	0.29	0.01	0.08	0.09	—	789	789	0.01	0.12	0.02	826
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.34	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	111	111	< 0.005	< 0.005	0.06	112

Vendor	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	60.6	60.6	< 0.005	0.01	0.02	63.4
Hauling	< 0.005	0.12	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	110	110	< 0.005	0.02	0.05	115
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	18.4	18.4	< 0.005	< 0.005	0.01	18.5
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.0	10.0	< 0.005	< 0.005	< 0.005	10.5
Hauling	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	18.2	18.2	< 0.005	< 0.005	0.01	19.0

3.40. A5-Gas Pipeline (2036) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.34	27.4	226	0.30	0.85	—	0.85	0.85	—	0.85	—	32,053	32,053	1.30	0.26	—	32,163
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.60	3.80	31.4	0.04	0.12	—	0.12	0.12	—	0.12	—	4,454	4,454	0.18	0.04	—	4,469
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.69	5.73	0.01	0.02	—	0.02	0.02	—	0.02	—	737	737	0.03	0.01	—	740
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31	0.19	2.47	0.00	0.00	0.95	0.95	0.00	0.22	0.22	—	796	796	0.02	0.01	0.03	799
Vendor	0.01	0.48	0.18	< 0.005	< 0.005	0.17	0.17	< 0.005	0.05	0.05	—	437	437	0.01	0.06	0.01	456
Hauling	0.01	0.84	0.20	0.01	0.01	0.28	0.29	0.01	0.08	0.09	—	789	789	0.01	0.12	0.02	826
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.34	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	111	111	< 0.005	< 0.005	0.06	112
Vendor	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	60.6	60.6	< 0.005	0.01	0.02	63.4
Hauling	< 0.005	0.12	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	110	110	< 0.005	0.02	0.05	115
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	18.4	18.4	< 0.005	< 0.005	0.01	18.5
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.0	10.0	< 0.005	< 0.005	< 0.005	10.5
Hauling	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	18.2	18.2	< 0.005	< 0.005	0.01	19.0

3.41. A6-Electrical Interconnect (2035) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	3.59	6.31	0.01	0.02	—	0.02	0.02	—	0.02	—	952	952	0.04	0.01	—	955

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Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.31	9.31	< 0.005	< 0.005	—	9.34
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.54	1.54	< 0.005	< 0.005	—	1.55
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.52	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	161	161	< 0.005	< 0.005	0.01	162
Vendor	0.01	0.39	0.15	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	361	361	0.01	0.06	0.01	378
Hauling	0.01	0.51	0.12	< 0.005	0.01	0.16	0.17	0.01	0.05	0.05	—	472	472	< 0.005	0.08	0.01	494
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.59	1.59	< 0.005	< 0.005	< 0.005	1.59
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.53	3.53	< 0.005	< 0.005	< 0.005	3.69
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.61	4.61	< 0.005	< 0.005	< 0.005	4.84
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.26	0.26	< 0.005	< 0.005	< 0.005	0.26
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.58	0.58	< 0.005	< 0.005	< 0.005	0.61
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.76	0.76	< 0.005	< 0.005	< 0.005	0.80

3.42. A6-Electrical Interconnect (2035) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	3.59	6.31	0.01	0.02	—	0.02	0.02	—	0.02	—	952	952	0.04	0.01	—	955
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.31	9.31	< 0.005	< 0.005	—	9.34
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.54	1.54	< 0.005	< 0.005	—	1.55
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.52	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	161	161	< 0.005	< 0.005	0.01	162

Vendor	0.01	0.39	0.15	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	361	361	0.01	0.06	0.01	378
Hauling	0.01	0.51	0.12	< 0.005	0.01	0.16	0.17	0.01	0.05	0.05	—	472	472	< 0.005	0.08	0.01	494
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.59	1.59	< 0.005	< 0.005	< 0.005	1.59
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.53	3.53	< 0.005	< 0.005	< 0.005	3.69
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.61	4.61	< 0.005	< 0.005	< 0.005	4.84
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.26	0.26	< 0.005	< 0.005	< 0.005	0.26
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.58	0.58	< 0.005	< 0.005	< 0.005	0.61
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.76	0.76	< 0.005	< 0.005	< 0.005	0.80

3.43. A6-Electrical Interconnect (2036) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	3.59	6.31	0.01	0.02	—	0.02	0.02	—	0.02	—	952	952	0.04	0.01	—	955
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.64	1.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	169	169	0.01	< 0.005	—	170
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.12	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	28.1	28.1	< 0.005	< 0.005	—	28.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.49	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	159	159	< 0.005	< 0.005	0.01	160
Vendor	0.01	0.38	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	349	349	0.01	0.05	0.01	365
Hauling	0.01	0.49	0.12	< 0.005	0.01	0.16	0.17	0.01	0.05	0.05	—	461	461	< 0.005	0.07	0.01	483
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	28.6	28.6	< 0.005	< 0.005	0.02	28.7
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	62.2	62.2	< 0.005	0.01	0.02	65.0
Hauling	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	82.1	82.1	< 0.005	0.01	0.04	86.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.73	4.73	< 0.005	< 0.005	< 0.005	4.75
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.3	10.3	< 0.005	< 0.005	< 0.005	10.8
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.6	13.6	< 0.005	< 0.005	0.01	14.2

3.44. A6-Electrical Interconnect (2036) - Mitigated

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

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

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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	3.59	6.31	0.01	0.02	—	0.02	0.02	—	0.02	—	952	952	0.04	0.01	—	955
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.64	1.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	169	169	0.01	< 0.005	—	170
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.12	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	28.1	28.1	< 0.005	< 0.005	—	28.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.49	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	159	159	< 0.005	< 0.005	0.01	160
Vendor	0.01	0.38	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	349	349	0.01	0.05	0.01	365
Hauling	0.01	0.49	0.12	< 0.005	0.01	0.16	0.17	0.01	0.05	0.05	—	461	461	< 0.005	0.07	0.01	483
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	28.6	28.6	< 0.005	< 0.005	0.02	28.7

Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	62.2	62.2	< 0.005	0.01	0.02	65.0
Hauling	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	82.1	82.1	< 0.005	0.01	0.04	86.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.73	4.73	< 0.005	< 0.005	< 0.005	4.75
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.3	10.3	< 0.005	< 0.005	< 0.005	10.8
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.6	13.6	< 0.005	< 0.005	0.01	14.2

3.45. 8-Paving (2037) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.22	3.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	442	442	0.02	< 0.005	—	443
Paving	0.46	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.18	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	25.9	25.9	< 0.005	< 0.005	—	26.0
Paving	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.29	4.29	< 0.005	< 0.005	—	4.31

Paving	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.03	0.38	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	128	128	< 0.005	< 0.005	< 0.005	129
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.37	0.33	0.01	0.02	0.47	0.49	0.02	0.13	0.15	—	1,297	1,297	0.01	0.21	0.03	1,359
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.60	7.60	< 0.005	< 0.005	< 0.005	7.63
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.08	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	76.1	76.1	< 0.005	0.01	0.03	79.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.26	1.26	< 0.005	< 0.005	< 0.005	1.26
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	12.6	12.6	< 0.005	< 0.005	< 0.005	13.2

3.46. 8-Paving (2037) - Mitigated

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

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

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Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.22	3.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	442	442	0.02	< 0.005	—	443
Paving	0.46	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.18	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	25.9	25.9	< 0.005	< 0.005	—	26.0
Paving	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.29	4.29	< 0.005	< 0.005	—	4.31
Paving	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.03	0.38	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	128	128	< 0.005	< 0.005	< 0.005	129
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.37	0.33	0.01	0.02	0.47	0.49	0.02	0.13	0.15	—	1,297	1,297	0.01	0.21	0.03	1,359
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.60	7.60	< 0.005	< 0.005	< 0.005	7.63

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.08	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	76.1	76.1	< 0.005	0.01	0.03	79.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.26	1.26	< 0.005	< 0.005	< 0.005	1.26
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	12.6	12.6	< 0.005	< 0.005	< 0.005	13.2

3.47. 8-Paving (2038) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.22	3.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	442	442	0.02	< 0.005	—	443
Paving	0.46	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.20	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	28.5	28.5	< 0.005	< 0.005	—	28.6
Paving	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.72	4.72	< 0.005	< 0.005	—	4.74

Paving	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.03	0.36	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	128	128	< 0.005	< 0.005	< 0.005	128
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.37	0.32	0.01	0.02	0.47	0.49	0.02	0.13	0.15	—	1,281	1,281	0.01	0.21	0.03	1,343
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.32	8.32	< 0.005	< 0.005	< 0.005	8.35
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	82.7	82.7	< 0.005	0.01	0.03	86.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.38	1.38	< 0.005	< 0.005	< 0.005	1.38
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	< 0.005	14.4

3.48. 8-Paving (2038) - Mitigated

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

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

SCG-VCM Project - Devils Canyon Site- Criteria Pollutants- Individual Phases Detailed Report, 9/5/2025

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.22	3.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	442	442	0.02	< 0.005	—	443
Paving	0.46	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.20	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	28.5	28.5	< 0.005	< 0.005	—	28.6
Paving	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.72	4.72	< 0.005	< 0.005	—	4.74
Paving	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.03	0.36	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	128	128	< 0.005	< 0.005	< 0.005	128
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.37	0.32	0.01	0.02	0.47	0.49	0.02	0.13	0.15	—	1,281	1,281	0.01	0.21	0.03	1,343
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.32	8.32	< 0.005	< 0.005	< 0.005	8.35

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	82.7	82.7	< 0.005	0.01	0.03	86.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.38	1.38	< 0.005	< 0.005	< 0.005	1.38
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	< 0.005	14.4

3.49. 9-Painting/Insulation (2038) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	1.76	2.62	0.01	0.01	—	0.01	0.01	—	0.01	—	400	400	0.02	< 0.005	—	401
Architect ural Coatings	4.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.21	0.31	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	47.1	47.1	< 0.005	< 0.005	—	47.2
Architect ural Coatings	0.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.79	7.79	< 0.005	< 0.005	—	7.82
Architectural Coatings	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.07	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	23.3	23.3	< 0.005	< 0.005	< 0.005	23.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	1.03	0.24	0.01	0.02	0.35	0.37	0.02	0.10	0.12	—	961	961	0.01	0.16	0.02	1,007
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.76	2.76	< 0.005	< 0.005	< 0.005	2.77
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.12	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	113	113	< 0.005	0.02	0.04	119
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.46	0.46	< 0.005	< 0.005	< 0.005	0.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	18.7	18.7	< 0.005	< 0.005	0.01	19.6

3.50. 9-Painting/Insulation (2038) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	1.76	2.62	0.01	0.01	—	0.01	0.01	—	0.01	—	400	400	0.02	< 0.005	—	401
Architect ural Coatings	4.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.21	0.31	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	47.1	47.1	< 0.005	< 0.005	—	47.2
Architect ural Coatings	0.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.79	7.79	< 0.005	< 0.005	—	7.82
Architect ural Coatings	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.07	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	23.3	23.3	< 0.005	< 0.005	< 0.005	23.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	1.03	0.24	0.01	0.02	0.35	0.37	0.02	0.10	0.12	—	961	961	0.01	0.16	0.02	1,007
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.76	2.76	< 0.005	< 0.005	< 0.005	2.77
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.12	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	113	113	< 0.005	0.02	0.04	119
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.46	0.46	< 0.005	< 0.005	< 0.005	0.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	18.7	18.7	< 0.005	< 0.005	0.01	19.6

3.51. 5-Trenching/Undergrounds (2036) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.83	1.24	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	341	341	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	0.13	0.20	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	54.1	54.1	< 0.005	< 0.005	—	54.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.96	8.96	< 0.005	< 0.005	—	8.99
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.05	0.88	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	283	283	0.01	< 0.005	0.36	285
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	43.6	43.6	< 0.005	0.01	0.04	45.6
Hauling	0.01	1.02	0.25	0.01	0.02	0.35	0.37	0.02	0.10	0.12	—	992	992	0.01	0.16	0.99	1,039
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.13	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	43.4	43.4	< 0.005	< 0.005	0.02	43.6
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.93	6.93	< 0.005	< 0.005	< 0.005	7.25
Hauling	< 0.005	0.17	0.04	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	158	158	< 0.005	0.02	0.07	165
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.19	7.19	< 0.005	< 0.005	< 0.005	7.22
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.15	1.15	< 0.005	< 0.005	< 0.005	1.20
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	26.1	26.1	< 0.005	< 0.005	0.01	27.3

3.52. 5-Trenching/Undergrounds (2036) - Mitigated

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

SCG-VCM Project - Devils Canyon Site- Criteria Pollutants- Individual Phases Detailed Report, 9/5/2025

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.83	1.24	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	341	341	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.13	0.20	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	54.1	54.1	< 0.005	< 0.005	—	54.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.96	8.96	< 0.005	< 0.005	—	8.99
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.05	0.88	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	283	283	0.01	< 0.005	0.36	285
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	43.6	43.6	< 0.005	0.01	0.04	45.6
Hauling	0.01	1.02	0.25	0.01	0.02	0.35	0.37	0.02	0.10	0.12	—	992	992	0.01	0.16	0.99	1,039
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.13	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	43.4	43.4	< 0.005	< 0.005	0.02	43.6
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.93	6.93	< 0.005	< 0.005	< 0.005	7.25
Hauling	< 0.005	0.17	0.04	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	158	158	< 0.005	0.02	0.07	165
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.19	7.19	< 0.005	< 0.005	< 0.005	7.22
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.15	1.15	< 0.005	< 0.005	< 0.005	1.20
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	26.1	26.1	< 0.005	< 0.005	0.01	27.3

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

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

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

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

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

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

Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
2-Demo Existing Equipment & Piping	Demolition	9/6/2035	12/7/2035	5.00	67.0	—
12-Decomissioning Demolition	Demolition	5/12/2039	8/15/2039	5.00	68.0	—
1-Subsurface Exploration	Site Preparation	7/2/2035	9/5/2035	5.00	48.0	—
A4-Offsite Laydown Development	Site Preparation	7/2/2035	9/5/2035	5.00	48.0	—
A1-Site Assessment	Site Preparation	5/1/2029	5/18/2029	5.00	14.0	—
A2-Soil Remediation	Site Preparation	9/21/2029	3/11/2030	5.00	122	—
3-Site Preparation/ Rough Grading	Grading	11/13/2035	12/7/2035	5.00	19.0	—
4-Foundations	Building Construction	12/10/2035	8/7/2036	5.00	174	—
10-Commissioning / Startup and Testing	Building Construction	12/2/2037	5/12/2038	5.00	116	—
6-Equipment , Structural Steel & Building Erection, Piping	Building Construction	4/15/2036	2/18/2037	5.00	222	—
7-Electrical & Instrumentation	Building Construction	1/16/2037	12/1/2037	5.00	228	—
11-Post Construction / Site Restoration	Building Construction	5/13/2038	6/11/2038	5.00	22.0	—
A3-Well Abandonment	Building Construction	8/16/2029	4/22/2030	5.00	178	—
A5-Gas Pipeline	Building Construction	7/2/2035	3/11/2036	5.00	182	—
A6-Electrical Interconnect	Building Construction	12/27/2035	3/31/2036	5.00	68.0	—
8-Paving	Paving	12/2/2037	2/2/2038	5.00	45.0	—
9-Painting/Insulation	Architectural Coating	1/4/2038	3/3/2038	5.00	43.0	—
5-Trenching/Underground s	Trenching	7/9/2036	9/26/2036	5.00	58.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
2-Demo Existing Equipment & Piping	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
2-Demo Existing Equipment & Piping	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
2-Demo Existing Equipment & Piping	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
2-Demo Existing Equipment & Piping	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	2.00	0.48
2-Demo Existing Equipment & Piping	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
2-Demo Existing Equipment & Piping	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	65.0	0.37
2-Demo Existing Equipment & Piping	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
12-Decomissioning Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
12-Decomissioning Demolition	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
12-Decomissioning Demolition	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
12-Decomissioning Demolition	Aerial Lifts	Electric	Average	1.00	8.00	46.0	0.31
12-Decomissioning Demolition	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
12-Decomissioning Demolition	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
12-Decomissioning Demolition	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
12-Decomissioning Demolition	Generator Sets	Diesel	Tier 4 Final	1.00	8.00	49.0	0.74
12-Decomissioning Demolition	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37

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12-Decomissioning Demolition	Welders	Electric	Average	3.00	8.00	46.0	0.45
12-Decomissioning Demolition	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
1-Subsurface Exploration	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
1-Subsurface Exploration	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
1-Subsurface Exploration	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	2.00	0.48
1-Subsurface Exploration	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
1-Subsurface Exploration	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
1-Subsurface Exploration	Bore/Drill Rigs	Diesel	Tier 4 Final	1.00	8.00	300	0.50
A4-Offsite Laydown Development	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
A4-Offsite Laydown Development	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
A4-Offsite Laydown Development	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	225	0.37
A4-Offsite Laydown Development	Welders	Diesel	Tier 4 Final	4.00	8.00	24.0	0.45
A4-Offsite Laydown Development	Excavators	Diesel	Tier 4 Final	3.00	8.00	443	0.38
A4-Offsite Laydown Development	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
A4-Offsite Laydown Development	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
A4-Offsite Laydown Development	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	2.00	0.48
A4-Offsite Laydown Development	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74

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A4-Offsite Laydown Development	Graders	Diesel	Tier 4 Final	1.00	8.00	250	0.41
A4-Offsite Laydown Development	Rollers	Diesel	Tier 4 Final	1.00	8.00	125	0.38
A4-Offsite Laydown Development	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	74.0	0.37
A4-Offsite Laydown Development	Bore/Drill Rigs	Diesel	Tier 4 Final	1.00	8.00	300	0.50
A4-Offsite Laydown Development	Skid Steer Loaders	Diesel	Average	1.00	8.00	65.0	0.37
A4-Offsite Laydown Development	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
A4-Offsite Laydown Development	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
A1-Site Assessment	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
A1-Site Assessment	Bore/Drill Rigs	Diesel	Tier 4 Final	1.00	8.00	300	0.50
A2-Soil Remediation	Excavators	Diesel	Tier 4 Final	1.00	8.00	346	0.38
A2-Soil Remediation	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
A2-Soil Remediation	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
A2-Soil Remediation	Generator Sets	Diesel	Tier 4 Final	1.00	6.00	49.0	0.74
3-Site Preparation/ Rough Grading	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
3-Site Preparation/ Rough Grading	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
3-Site Preparation/ Rough Grading	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	2.00	0.48
3-Site Preparation/ Rough Grading	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
4-Foundations	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	225	0.37
4-Foundations	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
4-Foundations	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20

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4-Foundations	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
4-Foundations	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
4-Foundations	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
4-Foundations	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
4-Foundations	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	10.0	0.48
4-Foundations	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
4-Foundations	Excavators	Diesel	Tier 4 Final	1.00	8.00	346	0.38
4-Foundations	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
4-Foundations	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
4-Foundations	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	170	0.40
10-Commissioning / Startup and Testing	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
10-Commissioning / Startup and Testing	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
10-Commissioning / Startup and Testing	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
10-Commissioning / Startup and Testing	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37
10-Commissioning / Startup and Testing	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
10-Commissioning / Startup and Testing	Welders	Electric	Average	3.00	8.00	46.0	0.45
10-Commissioning / Startup and Testing	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
10-Commissioning / Startup and Testing	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
10-Commissioning / Startup and Testing	Aerial Lifts	Electric	Average	4.00	8.00	46.0	0.31
6-Equipment , Structural Steel & Building Erection, Piping	Cranes	Diesel	Tier 4 Final	1.00	7.00	200	0.29

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6-Equipment , Structural Steel & Building Erection, Piping	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
6-Equipment , Structural Steel & Building Erection, Piping	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
6-Equipment , Structural Steel & Building Erection, Piping	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37
6-Equipment , Structural Steel & Building Erection, Piping	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
6-Equipment , Structural Steel & Building Erection, Piping	Cranes	Diesel	Tier 4 Final	2.00	7.00	275	0.29
6-Equipment , Structural Steel & Building Erection, Piping	Forklifts	Diesel	Tier 4 Final	1.00	8.00	122	0.20
6-Equipment , Structural Steel & Building Erection, Piping	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
6-Equipment , Structural Steel & Building Erection, Piping	Welders	Electric	Average	5.00	8.00	46.0	0.45
6-Equipment , Structural Steel & Building Erection, Piping	Aerial Lifts	Diesel	Tier 4 Final	1.00	8.00	67.0	0.31
6-Equipment , Structural Steel & Building Erection, Piping	Aerial Lifts	Electric	Average	5.00	8.00	46.0	0.31

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6-Equipment , Structural Steel & Building Erection, Piping	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
6-Equipment , Structural Steel & Building Erection, Piping	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	10.0	0.48
6-Equipment , Structural Steel & Building Erection, Piping	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
6-Equipment , Structural Steel & Building Erection, Piping	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
7-Electrical & Instrumentation	Cranes	Diesel	Tier 4 Final	1.00	7.00	200	0.29
7-Electrical & Instrumentation	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
7-Electrical & Instrumentation	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
7-Electrical & Instrumentation	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37
7-Electrical & Instrumentation	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
7-Electrical & Instrumentation	Cranes	Diesel	Tier 4 Final	2.00	7.00	275	0.29
7-Electrical & Instrumentation	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
7-Electrical & Instrumentation	Welders	Electric	Average	5.00	8.00	46.0	0.45
7-Electrical & Instrumentation	Aerial Lifts	Electric	Average	4.00	8.00	46.0	0.31
7-Electrical & Instrumentation	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48

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7-Electrical & Instrumentation	Air Compressors	Diesel	Tier 4 Final	2.00	6.00	10.0	0.48
7-Electrical & Instrumentation	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
A3-Well Abandonment	Other General Industrial Equipment	Diesel	Tier 4 Final	4.00	8.00	200	0.29
A3-Well Abandonment	Graders	Diesel	Tier 4 Final	2.00	8.00	200	0.74
A3-Well Abandonment	Bore/Drill Rigs	Diesel	Tier 4 Final	3.00	8.00	550	0.37
A3-Well Abandonment	Excavators	Diesel	Tier 4 Final	2.00	8.00	250	0.38
A3-Well Abandonment	Cranes	Diesel	Tier 4 Final	4.00	7.00	320	0.29
A3-Well Abandonment	Pumps	Diesel	Tier 4 Final	4.00	8.00	550	0.74
A3-Well Abandonment	Other Construction Equipment	Diesel	Tier 4 Final	3.00	8.00	115	0.42
A3-Well Abandonment	Bore/Drill Rigs	Diesel	Tier 4 Final	3.00	8.00	450	0.50
A3-Well Abandonment	Off-Highway Trucks	Diesel	Tier 4 Final	4.00	8.00	320	0.38
A3-Well Abandonment	Welders	Diesel	Tier 4 Final	2.00	8.00	50.0	0.45
A5-Gas Pipeline	Excavators	Diesel	Tier 4 Final	8.00	8.00	346	0.38
A5-Gas Pipeline	Concrete/Industrial Saws	Diesel	Tier 4 Final	8.00	8.00	261	0.73
A5-Gas Pipeline	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	363	0.40
A5-Gas Pipeline	Other Construction Equipment	Diesel	Tier 4 Final	8.00	8.00	319	0.42
A5-Gas Pipeline	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	109	0.42
A5-Gas Pipeline	Welders	Diesel	Tier 4 Final	4.00	8.00	24.0	0.45
A5-Gas Pipeline	Graders	Diesel	Tier 4 Final	1.00	8.00	250	0.41
A5-Gas Pipeline	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
A5-Gas Pipeline	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	74.0	0.37
A5-Gas Pipeline	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	3.00	7.00	350	0.37
A5-Gas Pipeline	Skid Steer Loaders	Diesel	Tier 4 Final	3.00	8.00	65.0	0.37

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A5-Gas Pipeline	Bore/Drill Rigs	Diesel	Tier 4 Final	1.00	8.00	173	0.50
A5-Gas Pipeline	Other General Industrial Equipment	Diesel	Tier 4 Final	3.00	8.00	23.0	0.34
A5-Gas Pipeline	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	22.0	0.74
A6-Electrical Interconnect	Air Compressors	Diesel	Tier 4 Final	2.00	6.00	10.0	0.48
A6-Electrical Interconnect	Forklifts	Diesel	Tier 4 Final	1.00	8.00	82.0	0.20
A6-Electrical Interconnect	Generator Sets	Diesel	Tier 4 Final	2.00	8.00	49.0	0.74
8-Paving	Rollers	Diesel	Tier 4 Final	1.00	8.00	125	0.38
9-Painting/Insulation	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	10.0	0.48
9-Painting/Insulation	Generator Sets	Diesel	Tier 4 Final	1.00	8.00	49.0	0.74
5-Trenching/Underground	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
5-Trenching/Underground	Pumps	Diesel	Tier 4 Final	2.00	8.00	11.0	0.74

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
2-Demo Existing Equipment & Piping	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
2-Demo Existing Equipment & Piping	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
2-Demo Existing Equipment & Piping	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
2-Demo Existing Equipment & Piping	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	2.00	0.48
2-Demo Existing Equipment & Piping	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
2-Demo Existing Equipment & Piping	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	65.0	0.37

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2-Demo Existing Equipment & Piping	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
12-Decomissioning Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
12-Decomissioning Demolition	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
12-Decomissioning Demolition	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
12-Decomissioning Demolition	Aerial Lifts	Electric	Average	1.00	8.00	46.0	0.31
12-Decomissioning Demolition	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
12-Decomissioning Demolition	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
12-Decomissioning Demolition	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
12-Decomissioning Demolition	Generator Sets	Diesel	Tier 4 Final	1.00	8.00	49.0	0.74
12-Decomissioning Demolition	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37
12-Decomissioning Demolition	Welders	Electric	Average	3.00	8.00	46.0	0.45
12-Decomissioning Demolition	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
1-Subsurface Exploration	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
1-Subsurface Exploration	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
1-Subsurface Exploration	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	2.00	0.48
1-Subsurface Exploration	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
1-Subsurface Exploration	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37

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1-Subsurface Exploration	Bore/Drill Rigs	Diesel	Tier 4 Final	1.00	8.00	300	0.50
A4-Offsite Laydown Development	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
A4-Offsite Laydown Development	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
A4-Offsite Laydown Development	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	225	0.37
A4-Offsite Laydown Development	Welders	Diesel	Tier 4 Final	4.00	8.00	24.0	0.45
A4-Offsite Laydown Development	Excavators	Diesel	Tier 4 Final	3.00	8.00	443	0.38
A4-Offsite Laydown Development	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
A4-Offsite Laydown Development	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
A4-Offsite Laydown Development	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	2.00	0.48
A4-Offsite Laydown Development	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
A4-Offsite Laydown Development	Graders	Diesel	Tier 4 Final	1.00	8.00	250	0.41
A4-Offsite Laydown Development	Rollers	Diesel	Tier 4 Final	1.00	8.00	125	0.38
A4-Offsite Laydown Development	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	74.0	0.37
A4-Offsite Laydown Development	Bore/Drill Rigs	Diesel	Tier 4 Final	1.00	8.00	300	0.50
A4-Offsite Laydown Development	Skid Steer Loaders	Diesel	Average	1.00	8.00	65.0	0.37
A4-Offsite Laydown Development	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
A4-Offsite Laydown Development	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38

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A1-Site Assessment	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
A1-Site Assessment	Bore/Drill Rigs	Diesel	Tier 4 Final	1.00	8.00	300	0.50
A2-Soil Remediation	Excavators	Diesel	Tier 4 Final	1.00	8.00	346	0.38
A2-Soil Remediation	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
A2-Soil Remediation	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
A2-Soil Remediation	Generator Sets	Diesel	Tier 4 Final	1.00	6.00	49.0	0.74
3-Site Preparation/ Rough Grading	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
3-Site Preparation/ Rough Grading	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
3-Site Preparation/ Rough Grading	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	2.00	0.48
3-Site Preparation/ Rough Grading	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
4-Foundations	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	225	0.37
4-Foundations	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
4-Foundations	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
4-Foundations	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
4-Foundations	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
4-Foundations	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
4-Foundations	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
4-Foundations	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	10.0	0.48
4-Foundations	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
4-Foundations	Excavators	Diesel	Tier 4 Final	1.00	8.00	346	0.38
4-Foundations	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
4-Foundations	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
4-Foundations	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	170	0.40

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10-Commissioning / Startup and Testing	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
10-Commissioning / Startup and Testing	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
10-Commissioning / Startup and Testing	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
10-Commissioning / Startup and Testing	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37
10-Commissioning / Startup and Testing	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
10-Commissioning / Startup and Testing	Welders	Electric	Average	3.00	8.00	46.0	0.45
10-Commissioning / Startup and Testing	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
10-Commissioning / Startup and Testing	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
10-Commissioning / Startup and Testing	Aerial Lifts	Electric	Average	4.00	8.00	46.0	0.31
6-Equipment , Structural Steel & Building Erection, Piping	Cranes	Diesel	Tier 4 Final	1.00	7.00	200	0.29
6-Equipment , Structural Steel & Building Erection, Piping	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
6-Equipment , Structural Steel & Building Erection, Piping	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
6-Equipment , Structural Steel & Building Erection, Piping	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37

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6-Equipment , Structural Steel & Building Erection, Piping	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
6-Equipment , Structural Steel & Building Erection, Piping	Cranes	Diesel	Tier 4 Final	2.00	7.00	275	0.29
6-Equipment , Structural Steel & Building Erection, Piping	Forklifts	Diesel	Tier 4 Final	1.00	8.00	122	0.20
6-Equipment , Structural Steel & Building Erection, Piping	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
6-Equipment , Structural Steel & Building Erection, Piping	Welders	Electric	Average	5.00	8.00	46.0	0.45
6-Equipment , Structural Steel & Building Erection, Piping	Aerial Lifts	Diesel	Tier 4 Final	1.00	8.00	67.0	0.31
6-Equipment , Structural Steel & Building Erection, Piping	Aerial Lifts	Electric	Average	5.00	8.00	46.0	0.31
6-Equipment , Structural Steel & Building Erection, Piping	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
6-Equipment , Structural Steel & Building Erection, Piping	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	10.0	0.48
6-Equipment , Structural Steel & Building Erection, Piping	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38

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6-Equipment , Structural Steel & Building Erection, Piping	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
7-Electrical & Instrumentation	Cranes	Diesel	Tier 4 Final	1.00	7.00	200	0.29
7-Electrical & Instrumentation	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
7-Electrical & Instrumentation	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
7-Electrical & Instrumentation	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37
7-Electrical & Instrumentation	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
7-Electrical & Instrumentation	Cranes	Diesel	Tier 4 Final	2.00	7.00	275	0.29
7-Electrical & Instrumentation	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
7-Electrical & Instrumentation	Welders	Electric	Average	5.00	8.00	46.0	0.45
7-Electrical & Instrumentation	Aerial Lifts	Electric	Average	4.00	8.00	46.0	0.31
7-Electrical & Instrumentation	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
7-Electrical & Instrumentation	Air Compressors	Diesel	Tier 4 Final	2.00	6.00	10.0	0.48
7-Electrical & Instrumentation	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
A3-Well Abandonment	Other General Industrial Equipment	Diesel	Tier 4 Final	4.00	8.00	200	0.29
A3-Well Abandonment	Graders	Diesel	Tier 4 Final	2.00	8.00	200	0.74
A3-Well Abandonment	Bore/Drill Rigs	Diesel	Tier 4 Final	3.00	8.00	550	0.37
A3-Well Abandonment	Excavators	Diesel	Tier 4 Final	2.00	8.00	250	0.38
A3-Well Abandonment	Cranes	Diesel	Tier 4 Final	4.00	7.00	320	0.29

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A3-Well Abandonment	Pumps	Diesel	Tier 4 Final	4.00	8.00	550	0.74
A3-Well Abandonment	Other Construction Equipment	Diesel	Tier 4 Final	3.00	8.00	115	0.42
A3-Well Abandonment	Bore/Drill Rigs	Diesel	Tier 4 Final	3.00	8.00	450	0.50
A3-Well Abandonment	Off-Highway Trucks	Diesel	Tier 4 Final	4.00	8.00	320	0.38
A3-Well Abandonment	Welders	Diesel	Tier 4 Final	2.00	8.00	50.0	0.45
A5-Gas Pipeline	Excavators	Diesel	Tier 4 Final	8.00	8.00	346	0.38
A5-Gas Pipeline	Concrete/Industrial Saws	Diesel	Tier 4 Final	8.00	8.00	261	0.73
A5-Gas Pipeline	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	363	0.40
A5-Gas Pipeline	Other Construction Equipment	Diesel	Tier 4 Final	8.00	8.00	319	0.42
A5-Gas Pipeline	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	109	0.42
A5-Gas Pipeline	Welders	Diesel	Tier 4 Final	4.00	8.00	24.0	0.45
A5-Gas Pipeline	Graders	Diesel	Tier 4 Final	1.00	8.00	250	0.41
A5-Gas Pipeline	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
A5-Gas Pipeline	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	74.0	0.37
A5-Gas Pipeline	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	3.00	7.00	350	0.37
A5-Gas Pipeline	Skid Steer Loaders	Diesel	Tier 4 Final	3.00	8.00	65.0	0.37
A5-Gas Pipeline	Bore/Drill Rigs	Diesel	Tier 4 Final	1.00	8.00	173	0.50
A5-Gas Pipeline	Other General Industrial Equipment	Diesel	Tier 4 Final	3.00	8.00	23.0	0.34
A5-Gas Pipeline	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	22.0	0.74
A6-Electrical Interconnect	Air Compressors	Diesel	Tier 4 Final	2.00	6.00	10.0	0.48
A6-Electrical Interconnect	Forklifts	Diesel	Tier 4 Final	1.00	8.00	82.0	0.20
A6-Electrical Interconnect	Generator Sets	Diesel	Tier 4 Final	2.00	8.00	49.0	0.74

8-Paving	Rollers	Diesel	Tier 4 Final	1.00	8.00	125	0.38
9-Painting/Insulation	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	10.0	0.48
9-Painting/Insulation	Generator Sets	Diesel	Tier 4 Final	1.00	8.00	49.0	0.74
5-Trenching/Undergro unds	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
5-Trenching/Undergro unds	Pumps	Diesel	Tier 4 Final	2.00	8.00	11.0	0.74

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
1-Subsurface Exploration	—	—	—	—
1-Subsurface Exploration	Worker	28.0	10.0	LDA,LDT1,LDT2
1-Subsurface Exploration	Vendor	8.00	10.0	HHDT,MHDT
1-Subsurface Exploration	Hauling	5.00	43.0	HHDT
1-Subsurface Exploration	Onsite truck	—	—	HHDT
3-Site Preparation/ Rough Grading	—	—	—	—
3-Site Preparation/ Rough Grading	Worker	30.0	10.0	LDA,LDT1,LDT2
3-Site Preparation/ Rough Grading	Vendor	10.0	10.0	HHDT,MHDT
3-Site Preparation/ Rough Grading	Hauling	52.0	43.0	HHDT
3-Site Preparation/ Rough Grading	Onsite truck	—	—	HHDT
4-Foundations	—	—	—	—
4-Foundations	Worker	68.0	10.0	LDA,LDT1,LDT2
4-Foundations	Vendor	16.0	10.0	HHDT,MHDT
4-Foundations	Hauling	10.0	43.0	HHDT
4-Foundations	Onsite truck	—	—	HHDT
5-Trenching/Undergrounds	—	—	—	—
5-Trenching/Undergrounds	Worker	46.0	10.0	LDA,LDT1,LDT2

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5-Trenching/Undergrounds	Vendor	2.00	10.0	HHDT,MHDT
5-Trenching/Undergrounds	Hauling	9.00	43.0	HHDT
5-Trenching/Undergrounds	Onsite truck	—	—	HHDT
6-Equipment , Structural Steel & Building Erection, Piping	—	—	—	—
6-Equipment , Structural Steel & Building Erection, Piping	Worker	78.0	10.0	LDA,LDT1,LDT2
6-Equipment , Structural Steel & Building Erection, Piping	Vendor	22.0	10.0	HHDT,MHDT
6-Equipment , Structural Steel & Building Erection, Piping	Hauling	1.00	43.0	HHDT
6-Equipment , Structural Steel & Building Erection, Piping	Onsite truck	—	—	HHDT
7-Electrical & Instrumentation	—	—	—	—
7-Electrical & Instrumentation	Worker	36.0	10.0	LDA,LDT1,LDT2
7-Electrical & Instrumentation	Vendor	16.0	10.0	HHDT,MHDT
7-Electrical & Instrumentation	Hauling	1.00	43.0	HHDT
7-Electrical & Instrumentation	Onsite truck	—	—	HHDT
2-Demo Existing Equipment & Piping	—	—	—	—
2-Demo Existing Equipment & Piping	Worker	27.0	10.0	LDA,LDT1,LDT2
2-Demo Existing Equipment & Piping	Vendor	8.00	10.0	HHDT,MHDT
2-Demo Existing Equipment & Piping	Hauling	14.0	45.0	HHDT
2-Demo Existing Equipment & Piping	Onsite truck	—	—	HHDT
8-Paving	—	—	—	—
8-Paving	Worker	22.0	10.0	LDA,LDT1,LDT2
8-Paving	Vendor	—	10.0	HHDT,MHDT
8-Paving	Hauling	12.0	43.0	HHDT
8-Paving	Onsite truck	—	—	HHDT
12-Decomissioning Demolition	—	—	—	—
12-Decomissioning Demolition	Worker	28.0	10.0	LDA,LDT1,LDT2

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12-Decomissioning Demolition	Vendor	18.0	10.0	HHDT,MHDT
12-Decomissioning Demolition	Hauling	3.00	20.0	HHDT
12-Decomissioning Demolition	Onsite truck	—	—	HHDT
10-Commissioning / Startup and Testing	—	—	—	—
10-Commissioning / Startup and Testing	Worker	28.0	10.0	LDA,LDT1,LDT2
10-Commissioning / Startup and Testing	Vendor	12.0	10.0	HHDT,MHDT
10-Commissioning / Startup and Testing	Hauling	3.00	43.0	HHDT
10-Commissioning / Startup and Testing	Onsite truck	—	—	HHDT
9-Painting/Insulation	—	—	—	—
9-Painting/Insulation	Worker	4.00	10.0	LDA,LDT1,LDT2
9-Painting/Insulation	Vendor	—	10.0	HHDT,MHDT
9-Painting/Insulation	Hauling	9.00	43.0	HHDT
9-Painting/Insulation	Onsite truck	—	—	HHDT
11-Post Construction / Site Restoration	—	—	—	—
11-Post Construction / Site Restoration	Worker	28.0	10.0	LDA,LDT1,LDT2
11-Post Construction / Site Restoration	Vendor	0.00	0.00	HHDT,MHDT
11-Post Construction / Site Restoration	Hauling	14.0	43.0	HHDT
11-Post Construction / Site Restoration	Onsite truck	—	—	HHDT
A4-Offsite Laydown Development	—	—	—	—
A4-Offsite Laydown Development	Worker	11.0	10.0	LDA,LDT1,LDT2
A4-Offsite Laydown Development	Vendor	18.0	10.0	HHDT,MHDT
A4-Offsite Laydown Development	Hauling	0.00	43.0	HHDT

A4-Offsite Laydown Development	Onsite truck	—	—	HHDT
A3-Well Abandonment	—	—	—	—
A3-Well Abandonment	Worker	70.0	10.0	LDA,LDT1,LDT2
A3-Well Abandonment	Vendor	49.0	10.0	HHDT,MHDT
A3-Well Abandonment	Hauling	30.0	43.0	HHDT
A3-Well Abandonment	Onsite truck	—	—	HHDT
A1-Site Assessment	—	—	—	—
A1-Site Assessment	Worker	12.0	10.0	LDA,LDT1,LDT2
A1-Site Assessment	Vendor	4.00	10.0	HHDT,MHDT
A1-Site Assessment	Hauling	0.00	46.0	HHDT
A1-Site Assessment	Onsite truck	—	—	HHDT
A2-Soil Remediation	—	—	—	—
A2-Soil Remediation	Worker	18.0	10.0	LDA,LDT1,LDT2
A2-Soil Remediation	Vendor	12.0	10.0	HHDT,MHDT
A2-Soil Remediation	Hauling	20.0	20.0	HHDT
A2-Soil Remediation	Onsite truck	—	—	HHDT
A5-Gas Pipeline	—	—	—	—
A5-Gas Pipeline	Worker	135	10.0	LDA,LDT1,LDT2
A5-Gas Pipeline	Vendor	20.0	10.0	HHDT,MHDT
A5-Gas Pipeline	Hauling	7.00	44.0	HHDT
A5-Gas Pipeline	Onsite truck	—	—	HHDT
A6-Electrical Interconnect	—	—	—	—
A6-Electrical Interconnect	Worker	27.0	10.0	LDA,LDT1,LDT2
A6-Electrical Interconnect	Vendor	16.0	10.0	HHDT,MHDT
A6-Electrical Interconnect	Hauling	4.00	45.0	HHDT
A6-Electrical Interconnect	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
1-Subsurface Exploration	—	—	—	—
1-Subsurface Exploration	Worker	28.0	10.0	LDA,LDT1,LDT2
1-Subsurface Exploration	Vendor	8.00	10.0	HHDT,MHDT
1-Subsurface Exploration	Hauling	5.00	43.0	HHDT
1-Subsurface Exploration	Onsite truck	—	—	HHDT
3-Site Preparation/ Rough Grading	—	—	—	—
3-Site Preparation/ Rough Grading	Worker	30.0	10.0	LDA,LDT1,LDT2
3-Site Preparation/ Rough Grading	Vendor	10.0	10.0	HHDT,MHDT
3-Site Preparation/ Rough Grading	Hauling	52.0	43.0	HHDT
3-Site Preparation/ Rough Grading	Onsite truck	—	—	HHDT
4-Foundations	—	—	—	—
4-Foundations	Worker	68.0	10.0	LDA,LDT1,LDT2
4-Foundations	Vendor	16.0	10.0	HHDT,MHDT
4-Foundations	Hauling	10.0	43.0	HHDT
4-Foundations	Onsite truck	—	—	HHDT
5-Trenching/Undergrounds	—	—	—	—
5-Trenching/Undergrounds	Worker	46.0	10.0	LDA,LDT1,LDT2
5-Trenching/Undergrounds	Vendor	2.00	10.0	HHDT,MHDT
5-Trenching/Undergrounds	Hauling	9.00	43.0	HHDT
5-Trenching/Undergrounds	Onsite truck	—	—	HHDT
6-Equipment , Structural Steel & Building Erection, Piping	—	—	—	—
6-Equipment , Structural Steel & Building Erection, Piping	Worker	78.0	10.0	LDA,LDT1,LDT2
6-Equipment , Structural Steel & Building Erection, Piping	Vendor	22.0	10.0	HHDT,MHDT
6-Equipment , Structural Steel & Building Erection, Piping	Hauling	1.00	43.0	HHDT

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6-Equipment , Structural Steel & Building Erection, Piping	Onsite truck	—	—	HHDT
7-Electrical & Instrumentation	—	—	—	—
7-Electrical & Instrumentation	Worker	36.0	10.0	LDA,LDT1,LDT2
7-Electrical & Instrumentation	Vendor	16.0	10.0	HHDT,MHDT
7-Electrical & Instrumentation	Hauling	1.00	43.0	HHDT
7-Electrical & Instrumentation	Onsite truck	—	—	HHDT
2-Demo Existing Equipment & Piping	—	—	—	—
2-Demo Existing Equipment & Piping	Worker	27.0	10.0	LDA,LDT1,LDT2
2-Demo Existing Equipment & Piping	Vendor	8.00	10.0	HHDT,MHDT
2-Demo Existing Equipment & Piping	Hauling	14.0	45.0	HHDT
2-Demo Existing Equipment & Piping	Onsite truck	—	—	HHDT
8-Paving	—	—	—	—
8-Paving	Worker	22.0	10.0	LDA,LDT1,LDT2
8-Paving	Vendor	—	10.0	HHDT,MHDT
8-Paving	Hauling	12.0	43.0	HHDT
8-Paving	Onsite truck	—	—	HHDT
12-Decomissioning Demolition	—	—	—	—
12-Decomissioning Demolition	Worker	28.0	10.0	LDA,LDT1,LDT2
12-Decomissioning Demolition	Vendor	18.0	10.0	HHDT,MHDT
12-Decomissioning Demolition	Hauling	3.00	20.0	HHDT
12-Decomissioning Demolition	Onsite truck	—	—	HHDT
10-Commissioning / Startup and Testing	—	—	—	—
10-Commissioning / Startup and Testing	Worker	28.0	10.0	LDA,LDT1,LDT2
10-Commissioning / Startup and Testing	Vendor	12.0	10.0	HHDT,MHDT
10-Commissioning / Startup and Testing	Hauling	3.00	43.0	HHDT

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10-Commissioning / Startup and Testing	Onsite truck	—	—	HHDT
9-Painting/Insulation	—	—	—	—
9-Painting/Insulation	Worker	4.00	10.0	LDA,LDT1,LDT2
9-Painting/Insulation	Vendor	—	10.0	HHDT,MHDT
9-Painting/Insulation	Hauling	9.00	43.0	HHDT
9-Painting/Insulation	Onsite truck	—	—	HHDT
11-Post Construction / Site Restoration	—	—	—	—
11-Post Construction / Site Restoration	Worker	28.0	10.0	LDA,LDT1,LDT2
11-Post Construction / Site Restoration	Vendor	0.00	0.00	HHDT,MHDT
11-Post Construction / Site Restoration	Hauling	14.0	43.0	HHDT
11-Post Construction / Site Restoration	Onsite truck	—	—	HHDT
A4-Offsite Laydown Development	—	—	—	—
A4-Offsite Laydown Development	Worker	11.0	10.0	LDA,LDT1,LDT2
A4-Offsite Laydown Development	Vendor	18.0	10.0	HHDT,MHDT
A4-Offsite Laydown Development	Hauling	0.00	43.0	HHDT
A4-Offsite Laydown Development	Onsite truck	—	—	HHDT
A3-Well Abandonment	—	—	—	—
A3-Well Abandonment	Worker	70.0	10.0	LDA,LDT1,LDT2
A3-Well Abandonment	Vendor	49.0	10.0	HHDT,MHDT
A3-Well Abandonment	Hauling	30.0	43.0	HHDT
A3-Well Abandonment	Onsite truck	—	—	HHDT
A1-Site Assessment	—	—	—	—
A1-Site Assessment	Worker	12.0	10.0	LDA,LDT1,LDT2
A1-Site Assessment	Vendor	4.00	10.0	HHDT,MHDT
A1-Site Assessment	Hauling	0.00	46.0	HHDT

A1-Site Assessment	Onsite truck	—	—	HHDT
A2-Soil Remediation	—	—	—	—
A2-Soil Remediation	Worker	18.0	10.0	LDA,LDT1,LDT2
A2-Soil Remediation	Vendor	12.0	10.0	HHDT,MHDT
A2-Soil Remediation	Hauling	20.0	20.0	HHDT
A2-Soil Remediation	Onsite truck	—	—	HHDT
A5-Gas Pipeline	—	—	—	—
A5-Gas Pipeline	Worker	135	10.0	LDA,LDT1,LDT2
A5-Gas Pipeline	Vendor	20.0	10.0	HHDT,MHDT
A5-Gas Pipeline	Hauling	7.00	44.0	HHDT
A5-Gas Pipeline	Onsite truck	—	—	HHDT
A6-Electrical Interconnect	—	—	—	—
A6-Electrical Interconnect	Worker	27.0	10.0	LDA,LDT1,LDT2
A6-Electrical Interconnect	Vendor	16.0	10.0	HHDT,MHDT
A6-Electrical Interconnect	Hauling	4.00	45.0	HHDT
A6-Electrical Interconnect	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
9-Painting/Insulation	0.00	0.00	34,524	11,508	20,626

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
2-Demo Existing Equipment & Piping	0.00	0.00	0.00	20,390	—
12-Decommissioning Demolition	0.00	0.00	0.00	19,000	—
1-Subsurface Exploration	—	500	0.00	0.00	—
A4-Offsite Laydown Development	—	—	24.0	0.00	—
A1-Site Assessment	—	—	0.00	0.00	—
A2-Soil Remediation	—	—	0.00	0.00	—
3-Site Preparation/ Rough Grading	—	1,500	26.0	0.00	—
8-Paving	0.00	0.00	0.00	0.00	7.89

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
General Heavy Industry	0.00	0%
General Heavy Industry	0.00	0%
General Heavy Industry	0.00	0%
General Heavy Industry	0.00	0%
General Office Building	0.00	0%
Other Asphalt Surfaces	7.89	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2029	0.00	532	0.03	< 0.005
2035	97.8	532	0.03	< 0.005
2036	1,238	532	0.03	< 0.005
2037	3,005	532	0.03	< 0.005
2038	809	532	0.03	< 0.005
2039	553	532	0.03	< 0.005
2030	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

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

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

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

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	15.6	annual days of extreme heat
Extreme Precipitation	8.00	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	49.8	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about $\frac{3}{4}$ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	26.8
AQ-PM	16.7
AQ-DPM	10.5
Drinking Water	44.8
Lead Risk Housing	57.6
Pesticides	88.4
Toxic Releases	14.3
Traffic	75.0
Effect Indicators	—
CleanUp Sites	71.9
Groundwater	67.0
Haz Waste Facilities/Generators	76.4
Impaired Water Bodies	90.1
Solid Waste	80.0
Sensitive Population	—
Asthma	54.1
Cardio-vascular	19.2
Low Birth Weights	—

Socioeconomic Factor Indicators	—
Education	—
Housing	78.5
Linguistic	—
Poverty	27.3
Unemployment	—

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	—
Employed	—
Median HI	—
Education	—
Bachelor's or higher	—
High school enrollment	—
Preschool enrollment	—
Transportation	—
Auto Access	—
Active commuting	—
Social	—
2-parent households	—
Voting	—
Neighborhood	—
Alcohol availability	—
Park access	—
Retail density	—

Supermarket access	—
Tree canopy	—
Housing	—
Homeownership	—
Housing habitability	—
Low-inc homeowner severe housing cost burden	—
Low-inc renter severe housing cost burden	—
Uncrowded housing	—
Health Outcomes	—
Insured adults	—
Arthritis	0.0
Asthma ER Admissions	53.7
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	0.0
Cognitively Disabled	9.6
Physically Disabled	12.2
Heart Attack ER Admissions	59.2
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	0.0
Physical Health Not Good	0.0
Stroke	0.0

Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	67.7
SLR Inundation Area	33.8
Children	72.4
Elderly	24.3
English Speaking	0.0
Foreign-born	0.0
Outdoor Workers	18.4
Climate Change Adaptive Capacity	—
Impervious Surface Cover	87.4
Traffic Density	0.0
Traffic Access	23.0
Other Indices	—
Hardship	0.0
Other Decision Support	—
2016 Voting	0.0

7.3. Overall Health & Equity Scores

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

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

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Project Specific
Construction: Off-Road Equipment	Project Specific
Construction: Trips and VMT	Project specific
Construction: Dust From Material Movement	Project specific
Construction: Off-Road Equipment EF	Default EFs

ATTACHMENT A.2 – CRITERIA POLLUTANT EMISSIONS (OVERLAPPING PHASES)

SCG-VCM Project - Devils Canyon Site- Criteria Pollutants- Overlapping Phases Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	SCG-VCM Project - Devils Canyon Site- Criteria Pollutants- Overlapping Phases
Construction Start Date	8/16/2029
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.20
Precipitation (days)	2.20
Location	34.31374359, -119.29985809
County	Ventura
City	Unincorporated
Air District	Ventura County APCD
Air Basin	South Central Coast
TAZ	3406
EDFZ	8
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
General Heavy Industry	5.46	1000sqft	0.13	5,459	0.00	—	—	—

General Heavy Industry	10.5	1000sqft	0.24	10,458	0.00	—	—	—
General Heavy Industry	2.02	1000sqft	0.05	2,016	0.00	—	—	—
General Heavy Industry	0.44	1000sqft	0.01	442	0.00	—	—	—
General Office Building	4.64	1000sqft	0.11	4,641	0.00	—	—	—
Other Asphalt Surfaces	344	1000sqft	7.89	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-10-C	Water Unpaved Construction Roads
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-12	Sweep Paved Roads

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.36	45.2	310	0.47	1.17	6.53	7.50	1.17	1.22	2.19	—	51,086	51,086	1.98	1.37	14.7	51,371
Mit.	6.36	45.2	310	0.47	1.17	6.53	7.50	1.17	1.22	2.19	—	51,086	51,086	1.98	1.37	14.7	51,371
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

SCG-VCM Project - Devils Canyon Site- Criteria Pollutants- Overlapping Phases Detailed Report, 9/5/2025

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.78	44.1	269	0.44	1.11	8.85	9.96	1.11	1.86	2.97	—	48,373	48,373	1.67	1.80	0.38	48,951
Mit.	5.78	44.1	269	0.44	1.11	8.85	9.96	1.11	1.86	2.97	—	48,373	48,373	1.67	1.80	0.38	48,951
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.04	14.5	98.8	0.15	0.38	1.73	2.11	0.38	0.36	0.74	—	16,287	16,287	0.61	0.35	1.61	16,403
Mit.	2.04	14.5	98.8	0.15	0.38	1.73	2.11	0.38	0.36	0.74	—	16,287	16,287	0.61	0.35	1.61	16,403
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.37	2.64	18.0	0.03	0.07	0.32	0.39	0.07	0.07	0.14	—	2,696	2,696	0.10	0.06	0.27	2,716
Mit.	0.37	2.64	18.0	0.03	0.07	0.32	0.39	0.07	0.07	0.14	—	2,696	2,696	0.10	0.06	0.27	2,716
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	4.94	34.6	242	0.35	0.98	2.66	3.65	0.98	0.72	1.70	—	39,223	39,223	1.41	1.37	14.7	39,679
2030	4.40	29.1	220	0.29	0.88	2.07	2.96	0.88	0.56	1.44	—	33,104	33,104	1.21	1.04	10.2	33,453
2035	6.36	45.2	310	0.47	1.17	6.53	7.50	1.17	1.22	2.19	—	51,086	51,086	1.98	0.80	4.82	51,371
2036	1.68	13.7	67.0	0.14	0.27	2.47	2.74	0.27	0.63	0.90	—	16,414	16,414	0.55	0.59	4.44	16,607
2037	0.41	2.75	17.2	0.04	0.07	0.43	0.49	0.07	0.11	0.17	—	4,009	4,009	0.15	0.10	0.58	4,043

SCG-VCM Project - Devils Canyon Site- Criteria Pollutants- Overlapping Phases Detailed Report, 9/5/2025

2038	0.49	8.45	20.7	0.04	0.07	0.74	0.77	0.07	0.20	0.23	—	4,366	4,366	0.16	0.24	1.33	4,406
2039	0.43	6.89	18.4	0.04	0.06	0.58	0.65	0.06	0.13	0.19	—	4,004	4,004	0.15	0.11	0.42	4,040
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	4.91	34.9	242	0.35	0.98	2.66	3.65	0.98	0.72	1.70	—	39,199	39,199	1.41	1.37	0.38	39,642
2030	4.89	34.5	242	0.35	0.98	2.66	3.65	0.98	0.72	1.70	—	38,983	38,983	1.41	1.31	0.34	39,410
2035	5.63	44.1	269	0.44	1.11	8.85	9.96	1.11	1.86	2.97	—	48,373	48,373	1.67	1.80	0.31	48,951
2036	5.61	38.6	268	0.40	1.03	2.89	3.92	1.03	0.73	1.76	—	43,598	43,598	1.64	0.87	0.13	43,897
2037	1.19	10.1	49.3	0.10	0.18	1.20	1.39	0.18	0.30	0.48	—	11,095	11,095	0.41	0.33	0.05	11,177
2038	5.78	11.1	24.7	0.07	0.12	1.42	1.54	0.12	0.38	0.50	—	7,230	7,230	0.20	0.49	0.06	7,381
2039	—	—	—	—	—	—	—	—	—	—	—	4.33	4.33	< 0.005	< 0.005	—	4.35
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	1.30	9.09	64.1	0.09	0.26	0.68	0.94	0.26	0.18	0.44	—	10,240	10,240	0.37	0.35	1.61	10,355
2030	1.03	7.14	51.2	0.07	0.21	0.53	0.74	0.21	0.14	0.35	—	8,060	8,060	0.29	0.27	1.14	8,148
2035	2.04	14.5	98.8	0.15	0.38	1.73	2.11	0.38	0.36	0.74	—	16,287	16,287	0.61	0.33	0.87	16,403
2036	1.43	10.8	63.8	0.11	0.24	1.22	1.46	0.24	0.31	0.55	—	12,250	12,250	0.44	0.31	0.91	12,353
2037	0.39	2.96	15.2	0.03	0.06	0.40	0.46	0.06	0.10	0.16	—	3,547	3,547	0.13	0.09	0.25	3,579
2038	0.72	2.52	5.66	0.01	0.02	0.24	0.26	0.02	0.06	0.09	—	1,467	1,467	0.05	0.08	0.17	1,491
2039	0.08	1.29	3.42	0.01	0.01	0.11	0.12	0.01	0.02	0.04	—	745	745	0.03	0.02	0.03	751
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	0.24	1.66	11.7	0.02	0.05	0.12	0.17	0.05	0.03	0.08	—	1,695	1,695	0.06	0.06	0.27	1,714
2030	0.19	1.30	9.34	0.01	0.04	0.10	0.14	0.04	0.03	0.06	—	1,334	1,334	0.05	0.04	0.19	1,349
2035	0.37	2.64	18.0	0.03	0.07	0.32	0.39	0.07	0.07	0.14	—	2,696	2,696	0.10	0.06	0.14	2,716
2036	0.26	1.97	11.6	0.02	0.04	0.22	0.27	0.04	0.06	0.10	—	2,028	2,028	0.07	0.05	0.15	2,045
2037	0.07	0.54	2.78	0.01	0.01	0.07	0.08	0.01	0.02	0.03	—	587	587	0.02	0.02	0.04	593
2038	0.13	0.46	1.03	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.02	—	243	243	0.01	0.01	0.03	247
2039	0.01	0.24	0.62	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	123	123	< 0.005	< 0.005	0.01	124

2.3. Construction Emissions by Year, Mitigated

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	4.94	34.6	242	0.35	0.98	2.66	3.65	0.98	0.72	1.70	—	39,223	39,223	1.41	1.37	14.7	39,679
2030	4.40	29.1	220	0.29	0.88	2.07	2.96	0.88	0.56	1.44	—	33,104	33,104	1.21	1.04	10.2	33,453
2035	6.36	45.2	310	0.47	1.17	6.53	7.50	1.17	1.22	2.19	—	51,086	51,086	1.98	0.80	4.82	51,371
2036	1.68	13.7	67.0	0.14	0.27	2.47	2.74	0.27	0.63	0.90	—	16,414	16,414	0.55	0.59	4.44	16,607
2037	0.41	2.75	17.2	0.04	0.07	0.43	0.49	0.07	0.11	0.17	—	4,009	4,009	0.15	0.10	0.58	4,043
2038	0.49	8.45	20.7	0.04	0.07	0.74	0.77	0.07	0.20	0.23	—	4,366	4,366	0.16	0.24	1.33	4,406
2039	0.43	6.89	18.4	0.04	0.06	0.58	0.65	0.06	0.13	0.19	—	4,004	4,004	0.15	0.11	0.42	4,040
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	4.91	34.9	242	0.35	0.98	2.66	3.65	0.98	0.72	1.70	—	39,199	39,199	1.41	1.37	0.38	39,642
2030	4.89	34.5	242	0.35	0.98	2.66	3.65	0.98	0.72	1.70	—	38,983	38,983	1.41	1.31	0.34	39,410
2035	5.63	44.1	269	0.44	1.11	8.85	9.96	1.11	1.86	2.97	—	48,373	48,373	1.67	1.80	0.31	48,951
2036	5.61	38.6	268	0.40	1.03	2.89	3.92	1.03	0.73	1.76	—	43,598	43,598	1.64	0.87	0.13	43,897
2037	1.19	10.1	49.3	0.10	0.18	1.20	1.39	0.18	0.30	0.48	—	11,095	11,095	0.41	0.33	0.05	11,177
2038	5.78	11.1	24.7	0.07	0.12	1.42	1.54	0.12	0.38	0.50	—	7,230	7,230	0.20	0.49	0.06	7,381
2039	—	—	—	—	—	—	—	—	—	—	—	4.33	4.33	< 0.005	< 0.005	—	4.35
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	1.30	9.09	64.1	0.09	0.26	0.68	0.94	0.26	0.18	0.44	—	10,240	10,240	0.37	0.35	1.61	10,355
2030	1.03	7.14	51.2	0.07	0.21	0.53	0.74	0.21	0.14	0.35	—	8,060	8,060	0.29	0.27	1.14	8,148
2035	2.04	14.5	98.8	0.15	0.38	1.73	2.11	0.38	0.36	0.74	—	16,287	16,287	0.61	0.33	0.87	16,403
2036	1.43	10.8	63.8	0.11	0.24	1.22	1.46	0.24	0.31	0.55	—	12,250	12,250	0.44	0.31	0.91	12,353
2037	0.39	2.96	15.2	0.03	0.06	0.40	0.46	0.06	0.10	0.16	—	3,547	3,547	0.13	0.09	0.25	3,579

2038	0.72	2.52	5.66	0.01	0.02	0.24	0.26	0.02	0.06	0.09	—	1,467	1,467	0.05	0.08	0.17	1,491
2039	0.08	1.29	3.42	0.01	0.01	0.11	0.12	0.01	0.02	0.04	—	745	745	0.03	0.02	0.03	751
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	0.24	1.66	11.7	0.02	0.05	0.12	0.17	0.05	0.03	0.08	—	1,695	1,695	0.06	0.06	0.27	1,714
2030	0.19	1.30	9.34	0.01	0.04	0.10	0.14	0.04	0.03	0.06	—	1,334	1,334	0.05	0.04	0.19	1,349
2035	0.37	2.64	18.0	0.03	0.07	0.32	0.39	0.07	0.07	0.14	—	2,696	2,696	0.10	0.06	0.14	2,716
2036	0.26	1.97	11.6	0.02	0.04	0.22	0.27	0.04	0.06	0.10	—	2,028	2,028	0.07	0.05	0.15	2,045
2037	0.07	0.54	2.78	0.01	0.01	0.07	0.08	0.01	0.02	0.03	—	587	587	0.02	0.02	0.04	593
2038	0.13	0.46	1.03	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.02	—	243	243	0.01	0.01	0.03	247
2039	0.01	0.24	0.62	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	123	123	< 0.005	< 0.005	0.01	124

3. Construction Emissions Details

3.1. 2-Demo Existing Equipment & Piping (2035) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	4.67	20.3	0.04	0.07	—	0.07	0.07	—	0.07	—	3,718	3,718	0.15	0.03	—	3,731
Demolition	—	—	—	—	—	4.30	4.30	—	0.65	0.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	4.67	20.3	0.04	0.07	—	0.07	0.07	—	0.07	—	3,718	3,718	0.15	0.03	—	3,731

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Demoliti	—	—	—	—	—	4.30	4.30	—	0.65	0.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.86	3.72	0.01	0.01	—	0.01	0.01	—	0.01	—	683	683	0.03	0.01	—	685
Demoliti on	—	—	—	—	—	0.79	0.79	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.16	0.68	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	113	113	< 0.005	< 0.005	—	113
Demoliti on	—	—	—	—	—	0.14	0.14	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.55	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	168	168	< 0.005	< 0.005	0.25	169
Vendor	< 0.005	0.19	0.07	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	180	180	< 0.005	0.03	0.17	189
Hauling	0.02	1.71	0.42	0.01	0.03	0.57	0.60	0.03	0.16	0.19	—	1,650	1,650	0.02	0.27	1.84	1,732
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.52	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	161	161	< 0.005	< 0.005	0.01	162
Vendor	< 0.005	0.20	0.07	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	181	181	< 0.005	0.03	< 0.005	189
Hauling	0.02	1.78	0.42	0.01	0.03	0.57	0.60	0.03	0.16	0.19	—	1,651	1,651	0.02	0.27	0.05	1,731
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01	0.01	0.09	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	29.8	29.8	< 0.005	< 0.005	0.02	29.9
Vendor	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	33.1	33.1	< 0.005	0.01	0.01	34.7
Hauling	< 0.005	0.33	0.08	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	303	303	< 0.005	0.05	0.15	318
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.93	4.93	< 0.005	< 0.005	< 0.005	4.95
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.48	5.48	< 0.005	< 0.005	< 0.005	5.74
Hauling	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	50.2	50.2	< 0.005	0.01	0.02	52.6

3.2. 2-Demo Existing Equipment & Piping (2035) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	4.67	20.3	0.04	0.07	—	0.07	0.07	—	0.07	—	3,718	3,718	0.15	0.03	—	3,731
Demolition	—	—	—	—	—	4.30	4.30	—	0.65	0.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	4.67	20.3	0.04	0.07	—	0.07	0.07	—	0.07	—	3,718	3,718	0.15	0.03	—	3,731
Demolition	—	—	—	—	—	4.30	4.30	—	0.65	0.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.07	0.86	3.72	0.01	0.01	—	0.01	0.01	—	0.01	—	683	683	0.03	0.01	—	685
Demolition	—	—	—	—	—	0.79	0.79	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.16	0.68	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	113	113	< 0.005	< 0.005	—	113
Demolition	—	—	—	—	—	0.14	0.14	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.55	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	168	168	< 0.005	< 0.005	0.25	169
Vendor	< 0.005	0.19	0.07	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	180	180	< 0.005	0.03	0.17	189
Hauling	0.02	1.71	0.42	0.01	0.03	0.57	0.60	0.03	0.16	0.19	—	1,650	1,650	0.02	0.27	1.84	1,732
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.52	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	161	161	< 0.005	< 0.005	0.01	162
Vendor	< 0.005	0.20	0.07	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	181	181	< 0.005	0.03	< 0.005	189
Hauling	0.02	1.78	0.42	0.01	0.03	0.57	0.60	0.03	0.16	0.19	—	1,651	1,651	0.02	0.27	0.05	1,731
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	29.8	29.8	< 0.005	< 0.005	0.02	29.9
Vendor	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	33.1	33.1	< 0.005	0.01	0.01	34.7
Hauling	< 0.005	0.33	0.08	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	303	303	< 0.005	0.05	0.15	318
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.93	4.93	< 0.005	< 0.005	< 0.005	4.95
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.48	5.48	< 0.005	< 0.005	< 0.005	5.74
Hauling	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	50.2	50.2	< 0.005	0.01	0.02	52.6

3.3. 12-Decommissioning Demolition (2039) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	6.32	17.7	0.03	0.06	—	0.06	0.06	—	0.06	—	3,319	3,319	0.13	0.03	—	3,330
Demolition	—	—	—	—	—	0.18	0.18	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	1.18	3.30	0.01	0.01	—	0.01	0.01	—	0.01	—	618	618	0.03	0.01	—	620
Demolition	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.21	0.60	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	102	102	< 0.005	< 0.005	—	103
Demolition	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.02	0.47	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	169	169	< 0.005	< 0.005	0.14	170
Vendor	0.01	0.38	0.15	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	363	363	0.01	0.05	0.18	380
Hauling	< 0.005	0.17	0.05	< 0.005	< 0.005	0.05	0.06	< 0.005	0.02	0.02	—	149	149	< 0.005	0.02	0.10	156
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	30.3	30.3	< 0.005	< 0.005	0.01	30.4
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	67.7	67.7	< 0.005	0.01	0.01	70.8
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.7	27.7	< 0.005	< 0.005	0.01	29.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.02	5.02	< 0.005	< 0.005	< 0.005	5.04
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	11.2	11.2	< 0.005	< 0.005	< 0.005	11.7
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.59	4.59	< 0.005	< 0.005	< 0.005	4.81

3.4. 12-Decommissioning Demolition (2039) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	6.32	17.7	0.03	0.06	—	0.06	0.06	—	0.06	—	3,319	3,319	0.13	0.03	—	3,330

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Demoliti	—	—	—	—	—	0.18	0.18	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	1.18	3.30	0.01	0.01	—	0.01	0.01	—	0.01	—	618	618	0.03	0.01	—	620
Demoliti on	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.21	0.60	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	102	102	< 0.005	< 0.005	—	103
Demoliti on	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.02	0.47	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	169	169	< 0.005	< 0.005	0.14	170
Vendor	0.01	0.38	0.15	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	363	363	0.01	0.05	0.18	380
Hauling	< 0.005	0.17	0.05	< 0.005	< 0.005	0.05	0.06	< 0.005	0.02	0.02	—	149	149	< 0.005	0.02	0.10	156
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	30.3	30.3	< 0.005	< 0.005	0.01	30.4

Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	67.7	67.7	< 0.005	0.01	0.01	70.8
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.7	27.7	< 0.005	< 0.005	0.01	29.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.02	5.02	< 0.005	< 0.005	< 0.005	5.04
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	11.2	11.2	< 0.005	< 0.005	< 0.005	11.7
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.59	4.59	< 0.005	< 0.005	< 0.005	4.81

3.5. 1-Subsurface Exploration (2035) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.69	6.88	0.01	0.03	—	0.03	0.03	—	0.03	—	1,382	1,382	0.06	0.01	—	1,386
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.09	0.90	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	182	182	0.01	< 0.005	—	182
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	30.1	30.1	< 0.005	< 0.005	—	30.2
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.03	0.57	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	174	174	< 0.005	< 0.005	0.26	175
Vendor	< 0.005	0.19	0.07	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	180	180	< 0.005	0.03	0.17	189
Hauling	0.01	0.59	0.14	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	—	563	563	0.01	0.09	0.63	591
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.07	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	22.1	22.1	< 0.005	< 0.005	0.01	22.2
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23.7	23.7	< 0.005	< 0.005	0.01	24.8
Hauling	< 0.005	0.08	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	74.1	74.1	< 0.005	0.01	0.04	77.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.66	3.66	< 0.005	< 0.005	< 0.005	3.68
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.93	3.93	< 0.005	< 0.005	< 0.005	4.11
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.3	12.3	< 0.005	< 0.005	0.01	12.9

3.6. 1-Subsurface Exploration (2035) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.69	6.88	0.01	0.03	—	0.03	0.03	—	0.03	—	1,382	1,382	0.06	0.01	—	1,386
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.09	0.90	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	182	182	0.01	< 0.005	—	182
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	30.1	30.1	< 0.005	< 0.005	—	30.2
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.03	0.57	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	174	174	< 0.005	< 0.005	0.26	175
Vendor	< 0.005	0.19	0.07	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	180	180	< 0.005	0.03	0.17	189
Hauling	0.01	0.59	0.14	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	—	563	563	0.01	0.09	0.63	591
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.07	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	22.1	22.1	< 0.005	< 0.005	0.01	22.2
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23.7	23.7	< 0.005	< 0.005	0.01	24.8
Hauling	< 0.005	0.08	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	74.1	74.1	< 0.005	0.01	0.04	77.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.66	3.66	< 0.005	< 0.005	< 0.005	3.68
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.93	3.93	< 0.005	< 0.005	< 0.005	4.11
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.3	12.3	< 0.005	< 0.005	0.01	12.9

3.7. A4-Offsite Laydown Development (2035) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.43	14.5	73.1	0.14	0.26	—	0.26	0.26	—	0.26	—	14,160	14,160	0.57	0.11	—	14,209

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Dust From Material Movement	—	—	—	—	—	0.21	0.21	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.90	9.62	0.02	0.03	—	0.03	0.03	—	0.03	—	1,862	1,862	0.08	0.02	—	1,869
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.35	1.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	308	308	0.01	< 0.005	—	309
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.01	0.22	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	68.5	68.5	< 0.005	< 0.005	0.10	68.9
Vendor	0.01	0.42	0.16	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	406	406	0.01	0.06	0.39	425
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.68	8.68	< 0.005	< 0.005	0.01	8.72
Vendor	< 0.005	0.06	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	53.4	53.4	< 0.005	0.01	0.02	55.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.44	1.44	< 0.005	< 0.005	< 0.005	1.44
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.84	8.84	< 0.005	< 0.005	< 0.005	9.25
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. A4-Offsite Laydown Development (2035) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.43	14.5	73.1	0.14	0.26	—	0.26	0.26	—	0.26	—	14,160	14,160	0.57	0.11	—	14,209
Dust From Material Movement	—	—	—	—	—	0.21	0.21	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.19	1.90	9.62	0.02	0.03	—	0.03	0.03	—	0.03	—	1,862	1,862	0.08	0.02	—	1,869
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.35	1.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	308	308	0.01	< 0.005	—	309
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.01	0.22	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	68.5	68.5	< 0.005	< 0.005	0.10	68.9
Vendor	0.01	0.42	0.16	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	406	406	0.01	0.06	0.39	425
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.68	8.68	< 0.005	< 0.005	0.01	8.72
Vendor	< 0.005	0.06	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	53.4	53.4	< 0.005	0.01	0.02	55.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.44	1.44	< 0.005	< 0.005	< 0.005	1.44

Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.84	8.84	< 0.005	< 0.005	< 0.005	9.25
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. A1-Site Assessment (2029) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.85	9.14	0.02	0.03	—	0.03	0.03	—	0.03	—	1,703	1,703	0.07	0.01	—	1,709
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.03	0.35	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	65.3	65.3	< 0.005	< 0.005	—	65.5
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.8	10.8	< 0.005	< 0.005	—	10.9

Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.02	0.35	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	81.5	81.5	< 0.005	< 0.005	0.23	82.8
Vendor	< 0.005	0.12	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	111	111	< 0.005	0.02	0.21	116
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.01	3.01	< 0.005	< 0.005	< 0.005	3.06
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.25	4.25	< 0.005	< 0.005	< 0.005	4.44
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.50	0.50	< 0.005	< 0.005	< 0.005	0.51
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.70	0.70	< 0.005	< 0.005	< 0.005	0.74
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. A1-Site Assessment (2029) - Mitigated

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

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

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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.85	9.14	0.02	0.03	—	0.03	0.03	—	0.03	—	1,703	1,703	0.07	0.01	—	1,709
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.03	0.35	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	65.3	65.3	< 0.005	< 0.005	—	65.5
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.8	10.8	< 0.005	< 0.005	—	10.9
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.04	0.02	0.35	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	81.5	81.5	< 0.005	< 0.005	0.23	82.8
Vendor	< 0.005	0.12	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	111	111	< 0.005	0.02	0.21	116
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.01	3.01	< 0.005	< 0.005	< 0.005	3.06
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.25	4.25	< 0.005	< 0.005	< 0.005	4.44
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.50	0.50	< 0.005	< 0.005	< 0.005	0.51
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.70	0.70	< 0.005	< 0.005	< 0.005	0.74
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. A2-Soil Remediation (2029) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	3.27	21.5	0.04	0.08	—	0.08	0.08	—	0.08	—	4,240	4,240	0.17	0.03	—	4,254
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

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Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	3.27	21.5	0.04	0.08	—	0.08	0.08	—	0.08	—	4,240	4,240	0.17	0.03	—	4,254
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.65	4.29	0.01	0.02	—	0.02	0.02	—	0.02	—	846	846	0.03	0.01	—	849
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.12	0.78	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	140	140	0.01	< 0.005	—	141
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.53	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	122	122	< 0.005	0.01	0.35	124
Vendor	0.01	0.37	0.12	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	332	332	< 0.005	0.05	0.64	348

Hauling	0.02	1.55	0.41	0.01	0.02	0.36	0.38	0.02	0.10	0.12	—	1,257	1,257	0.02	0.20	2.30	1,319
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.50	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	117	117	< 0.005	0.01	0.01	119
Vendor	0.01	0.39	0.13	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	332	332	< 0.005	0.05	0.02	347
Hauling	0.02	1.60	0.42	0.01	0.02	0.36	0.38	0.02	0.10	0.12	—	1,257	1,257	0.02	0.20	0.06	1,317
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	23.5	23.5	< 0.005	< 0.005	0.03	23.9
Vendor	< 0.005	0.08	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	66.3	66.3	< 0.005	0.01	0.05	69.3
Hauling	< 0.005	0.32	0.08	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	251	251	< 0.005	0.04	0.20	263
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.89	3.89	< 0.005	< 0.005	0.01	3.95
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.0	11.0	< 0.005	< 0.005	0.01	11.5
Hauling	< 0.005	0.06	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	41.5	41.5	< 0.005	0.01	0.03	43.6

3.12. A2-Soil Remediation (2029) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	3.27	21.5	0.04	0.08	—	0.08	0.08	—	0.08	—	4,240	4,240	0.17	0.03	—	4,254
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

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Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	3.27	21.5	0.04	0.08	—	0.08	0.08	—	0.08	—	4,240	4,240	0.17	0.03	—	4,254
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.65	4.29	0.01	0.02	—	0.02	0.02	—	0.02	—	846	846	0.03	0.01	—	849
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.12	0.78	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	140	140	0.01	< 0.005	—	141
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.53	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	122	122	< 0.005	0.01	0.35	124
Vendor	0.01	0.37	0.12	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	332	332	< 0.005	0.05	0.64	348

Hauling	0.02	1.55	0.41	0.01	0.02	0.36	0.38	0.02	0.10	0.12	—	1,257	1,257	0.02	0.20	2.30	1,319
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.50	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	117	117	< 0.005	0.01	0.01	119
Vendor	0.01	0.39	0.13	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	332	332	< 0.005	0.05	0.02	347
Hauling	0.02	1.60	0.42	0.01	0.02	0.36	0.38	0.02	0.10	0.12	—	1,257	1,257	0.02	0.20	0.06	1,317
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	23.5	23.5	< 0.005	< 0.005	0.03	23.9
Vendor	< 0.005	0.08	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	66.3	66.3	< 0.005	0.01	0.05	69.3
Hauling	< 0.005	0.32	0.08	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	251	251	< 0.005	0.04	0.20	263
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.89	3.89	< 0.005	< 0.005	0.01	3.95
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.0	11.0	< 0.005	< 0.005	0.01	11.5
Hauling	< 0.005	0.06	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	41.5	41.5	< 0.005	0.01	0.03	43.6

3.13. A2-Soil Remediation (2030) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	3.27	21.5	0.04	0.08	—	0.08	0.08	—	0.08	—	4,240	4,240	0.17	0.03	—	4,254

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Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.45	2.94	0.01	0.01	—	0.01	0.01	—	0.01	—	581	581	0.02	< 0.005	—	583
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.08	0.54	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	96.2	96.2	< 0.005	< 0.005	—	96.5
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.47	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	115	115	< 0.005	0.01	0.01	117
Vendor	0.01	0.37	0.12	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	322	322	< 0.005	0.05	0.01	336
Hauling	0.02	1.54	0.42	0.01	0.02	0.36	0.38	0.02	0.10	0.12	—	1,221	1,221	0.02	0.19	0.05	1,278

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.9	15.9	< 0.005	< 0.005	0.02	16.1
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	44.1	44.1	< 0.005	0.01	0.03	46.1
Hauling	< 0.005	0.21	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	167	167	< 0.005	0.03	0.12	175
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.63	2.63	< 0.005	< 0.005	< 0.005	2.67
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.30	7.30	< 0.005	< 0.005	0.01	7.62
Hauling	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.7	27.7	< 0.005	< 0.005	0.02	29.0

3.14. A2-Soil Remediation (2030) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	3.27	21.5	0.04	0.08	—	0.08	0.08	—	0.08	—	4,240	4,240	0.17	0.03	—	4,254
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.45	2.94	0.01	0.01	—	0.01	0.01	—	0.01	—	581	581	0.02	< 0.005	—	583

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Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.08	0.54	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	96.2	96.2	< 0.005	< 0.005	—	96.5
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.47	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	115	115	< 0.005	0.01	0.01	117
Vendor	0.01	0.37	0.12	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	322	322	< 0.005	0.05	0.01	336
Hauling	0.02	1.54	0.42	0.01	0.02	0.36	0.38	0.02	0.10	0.12	—	1,221	1,221	0.02	0.19	0.05	1,278
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.9	15.9	< 0.005	< 0.005	0.02	16.1
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	44.1	44.1	< 0.005	0.01	0.03	46.1
Hauling	< 0.005	0.21	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	167	167	< 0.005	0.03	0.12	175
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.63	2.63	< 0.005	< 0.005	< 0.005	2.67
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.30	7.30	< 0.005	< 0.005	0.01	7.62
Hauling	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.7	27.7	< 0.005	< 0.005	0.02	29.0

3.15. 3-Site Preparation/ Rough Grading (2035) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	1.86	12.2	0.02	0.04	—	0.04	0.04	—	0.04	—	2,280	2,280	0.09	0.02	—	2,288
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.10	0.64	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	119	119	< 0.005	< 0.005	—	119
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	19.7	19.7	< 0.005	< 0.005	—	19.7
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.04	0.58	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	179	179	< 0.005	< 0.005	0.01	180
Vendor	0.01	0.25	0.09	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.03	—	226	226	< 0.005	0.03	0.01	236
Hauling	0.08	6.34	1.52	0.05	0.10	2.02	2.12	0.10	0.57	0.67	—	5,862	5,862	0.06	0.95	0.17	6,146
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.37	9.37	< 0.005	< 0.005	0.01	9.42
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.7	11.7	< 0.005	< 0.005	< 0.005	12.3
Hauling	< 0.005	0.33	0.08	< 0.005	0.01	0.11	0.11	0.01	0.03	0.03	—	305	305	< 0.005	0.05	0.15	320
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.55	1.55	< 0.005	< 0.005	< 0.005	1.56
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.94	1.94	< 0.005	< 0.005	< 0.005	2.03
Hauling	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	50.5	50.5	< 0.005	0.01	0.02	53.0

3.16. 3-Site Preparation/ Rough Grading (2035) - Mitigated

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

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

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Off-Road Equipment	0.23	1.86	12.2	0.02	0.04	—	0.04	0.04	—	0.04	—	2,280	2,280	0.09	0.02	—	2,288
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.10	0.64	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	119	119	< 0.005	< 0.005	—	119
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	19.7	19.7	< 0.005	< 0.005	—	19.7
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.04	0.58	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	179	179	< 0.005	< 0.005	0.01	180
Vendor	0.01	0.25	0.09	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.03	—	226	226	< 0.005	0.03	0.01	236

Hauling	0.08	6.34	1.52	0.05	0.10	2.02	2.12	0.10	0.57	0.67	—	5,862	5,862	0.06	0.95	0.17	6,146
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.37	9.37	< 0.005	< 0.005	0.01	9.42
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.7	11.7	< 0.005	< 0.005	< 0.005	12.3
Hauling	< 0.005	0.33	0.08	< 0.005	0.01	0.11	0.11	0.01	0.03	0.03	—	305	305	< 0.005	0.05	0.15	320
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.55	1.55	< 0.005	< 0.005	< 0.005	1.56
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.94	1.94	< 0.005	< 0.005	< 0.005	2.03
Hauling	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	50.5	50.5	< 0.005	0.01	0.02	53.0

3.17. 4-Foundations (2035) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.55	3.57	30.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,748	5,748	0.23	0.05	—	5,768
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.15	1.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	247	247	0.01	< 0.005	—	248
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	< 0.005	0.03	0.24	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.0	41.0	< 0.005	< 0.005	—	41.1
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.10	1.31	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	405	405	0.01	< 0.005	0.02	407
Vendor	0.01	0.39	0.15	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	361	361	0.01	0.06	0.01	378
Hauling	0.02	1.22	0.29	0.01	0.02	0.39	0.41	0.02	0.11	0.13	—	1,127	1,127	0.01	0.18	0.03	1,182
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.6	17.6	< 0.005	< 0.005	0.01	17.7
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	15.5	15.5	< 0.005	< 0.005	0.01	16.3
Hauling	< 0.005	0.05	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	48.5	48.5	< 0.005	0.01	0.02	50.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.91	2.91	< 0.005	< 0.005	< 0.005	2.92
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.57	2.57	< 0.005	< 0.005	< 0.005	2.69
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.03	8.03	< 0.005	< 0.005	< 0.005	8.43

3.18. 4-Foundations (2035) - Mitigated

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

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

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Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.55	3.57	30.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,748	5,748	0.23	0.05	—	5,768
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.15	1.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	247	247	0.01	< 0.005	—	248
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.03	0.24	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.0	41.0	< 0.005	< 0.005	—	41.1
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.10	1.31	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	405	405	0.01	< 0.005	0.02	407
Vendor	0.01	0.39	0.15	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	361	361	0.01	0.06	0.01	378
Hauling	0.02	1.22	0.29	0.01	0.02	0.39	0.41	0.02	0.11	0.13	—	1,127	1,127	0.01	0.18	0.03	1,182
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.6	17.6	< 0.005	< 0.005	0.01	17.7
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	15.5	15.5	< 0.005	< 0.005	0.01	16.3
Hauling	< 0.005	0.05	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	48.5	48.5	< 0.005	0.01	0.02	50.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.91	2.91	< 0.005	< 0.005	< 0.005	2.92
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.57	2.57	< 0.005	< 0.005	< 0.005	2.69
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.03	8.03	< 0.005	< 0.005	< 0.005	8.43

3.19. 4-Foundations (2036) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.55	3.57	30.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,748	5,748	0.23	0.05	—	5,768
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.55	3.57	30.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,748	5,748	0.23	0.05	—	5,768
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	1.54	13.2	0.02	0.05	—	0.05	0.05	—	0.05	—	2,475	2,475	0.10	0.02	—	2,483
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.28	2.41	< 0.005	0.01	—	0.01	0.01	—	0.01	—	410	410	0.02	< 0.005	—	411
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.07	1.30	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	419	419	0.01	< 0.005	0.54	421
Vendor	0.01	0.36	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	349	349	0.01	0.05	0.29	365
Hauling	0.02	1.13	0.28	0.01	0.02	0.39	0.41	0.02	0.11	0.13	—	1,102	1,102	0.01	0.17	1.10	1,155
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.09	1.24	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	401	401	0.01	< 0.005	0.01	403
Vendor	0.01	0.38	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	349	349	0.01	0.05	0.01	365
Hauling	0.02	1.18	0.28	0.01	0.02	0.39	0.41	0.02	0.11	0.13	—	1,102	1,102	0.01	0.17	0.03	1,154
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.04	0.52	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	174	174	< 0.005	< 0.005	0.10	175
Vendor	< 0.005	0.16	0.06	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	150	150	< 0.005	0.02	0.05	157
Hauling	0.01	0.51	0.12	< 0.005	0.01	0.17	0.18	0.01	0.05	0.06	—	474	474	0.01	0.07	0.20	497
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	28.8	28.8	< 0.005	< 0.005	0.02	28.9
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	24.9	24.9	< 0.005	< 0.005	0.01	26.0
Hauling	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	78.5	78.5	< 0.005	0.01	0.03	82.3

3.20. 4-Foundations (2036) - Mitigated

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

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

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Off-Road Equipment	0.55	3.57	30.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,748	5,748	0.23	0.05	—	5,768
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.55	3.57	30.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,748	5,748	0.23	0.05	—	5,768
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	1.54	13.2	0.02	0.05	—	0.05	0.05	—	0.05	—	2,475	2,475	0.10	0.02	—	2,483
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.28	2.41	< 0.005	0.01	—	0.01	0.01	—	0.01	—	410	410	0.02	< 0.005	—	411
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.07	1.30	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	419	419	0.01	< 0.005	0.54	421
Vendor	0.01	0.36	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	349	349	0.01	0.05	0.29	365
Hauling	0.02	1.13	0.28	0.01	0.02	0.39	0.41	0.02	0.11	0.13	—	1,102	1,102	0.01	0.17	1.10	1,155
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.09	1.24	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	401	401	0.01	< 0.005	0.01	403
Vendor	0.01	0.38	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	349	349	0.01	0.05	0.01	365

Hauling	0.02	1.18	0.28	0.01	0.02	0.39	0.41	0.02	0.11	0.13	—	1,102	1,102	0.01	0.17	0.03	1,154
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.04	0.52	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	174	174	< 0.005	< 0.005	0.10	175
Vendor	< 0.005	0.16	0.06	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	150	150	< 0.005	0.02	0.05	157
Hauling	0.01	0.51	0.12	< 0.005	0.01	0.17	0.18	0.01	0.05	0.06	—	474	474	0.01	0.07	0.20	497
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	28.8	28.8	< 0.005	< 0.005	0.02	28.9
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	24.9	24.9	< 0.005	< 0.005	0.01	26.0
Hauling	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	78.5	78.5	< 0.005	0.01	0.03	82.3

3.21. 10-Commissioning / Startup and Testing (2037) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	7.83	20.0	0.04	0.06	—	0.06	0.06	—	0.06	—	3,625	3,625	0.15	0.03	—	3,638
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.46	1.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	213	213	0.01	< 0.005	—	214
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	0.08	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	35.2	35.2	< 0.005	< 0.005	—	35.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.48	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	164	164	< 0.005	< 0.005	< 0.005	164
Vendor	0.01	0.28	0.11	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	254	254	< 0.005	0.04	< 0.005	266
Hauling	< 0.005	0.34	0.08	< 0.005	0.01	0.12	0.12	0.01	0.03	0.04	—	324	324	< 0.005	0.05	0.01	340
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.67	9.67	< 0.005	< 0.005	< 0.005	9.71
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	14.9	14.9	< 0.005	< 0.005	< 0.005	15.6
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.0	19.0	< 0.005	< 0.005	0.01	19.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.60	1.60	< 0.005	< 0.005	< 0.005	1.61
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.47	2.47	< 0.005	< 0.005	< 0.005	2.58
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.15	3.15	< 0.005	< 0.005	< 0.005	3.30

3.22. 10-Commissioning / Startup and Testing (2037) - Mitigated

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

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

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Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	7.83	20.0	0.04	0.06	—	0.06	0.06	—	0.06	—	3,625	3,625	0.15	0.03	—	3,638
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.46	1.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	213	213	0.01	< 0.005	—	214
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.08	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	35.2	35.2	< 0.005	< 0.005	—	35.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.48	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	164	164	< 0.005	< 0.005	< 0.005	164
Vendor	0.01	0.28	0.11	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	254	254	< 0.005	0.04	< 0.005	266
Hauling	< 0.005	0.34	0.08	< 0.005	0.01	0.12	0.12	0.01	0.03	0.04	—	324	324	< 0.005	0.05	0.01	340
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.67	9.67	< 0.005	< 0.005	< 0.005	9.71
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	14.9	14.9	< 0.005	< 0.005	< 0.005	15.6
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.0	19.0	< 0.005	< 0.005	0.01	19.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.60	1.60	< 0.005	< 0.005	< 0.005	1.61
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.47	2.47	< 0.005	< 0.005	< 0.005	2.58
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.15	3.15	< 0.005	< 0.005	< 0.005	3.30

3.23. 10-Commissioning / Startup and Testing (2038) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	7.83	20.0	0.04	0.06	—	0.06	0.06	—	0.06	—	3,625	3,625	0.15	0.03	—	3,637
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	7.83	20.0	0.04	0.06	—	0.06	0.06	—	0.06	—	3,625	3,625	0.15	0.03	—	3,637
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	2.02	5.16	0.01	0.02	—	0.02	0.02	—	0.02	—	936	936	0.04	0.01	—	940
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.37	0.94	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	155	155	0.01	< 0.005	—	156
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.49	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	170	170	< 0.005	< 0.005	0.16	171
Vendor	0.01	0.26	0.10	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	249	249	< 0.005	0.04	0.15	260
Hauling	< 0.005	0.33	0.08	< 0.005	0.01	0.12	0.12	0.01	0.03	0.04	—	320	320	< 0.005	0.05	0.25	336
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.46	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	163	163	< 0.005	< 0.005	< 0.005	163
Vendor	0.01	0.27	0.11	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	249	249	< 0.005	0.04	< 0.005	260
Hauling	< 0.005	0.34	0.08	< 0.005	0.01	0.12	0.12	0.01	0.03	0.04	—	320	320	< 0.005	0.05	0.01	336
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.12	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	42.3	42.3	< 0.005	< 0.005	0.02	42.5
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	64.3	64.3	< 0.005	0.01	0.02	67.1
Hauling	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	82.7	82.7	< 0.005	0.01	0.03	86.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.01	7.01	< 0.005	< 0.005	< 0.005	7.04
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.6	10.6	< 0.005	< 0.005	< 0.005	11.1
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	< 0.005	14.4

3.24. 10-Commissioning / Startup and Testing (2038) - Mitigated

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

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

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Off-Road Equipment	0.41	7.83	20.0	0.04	0.06	—	0.06	0.06	—	0.06	—	3,625	3,625	0.15	0.03	—	3,637
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	7.83	20.0	0.04	0.06	—	0.06	0.06	—	0.06	—	3,625	3,625	0.15	0.03	—	3,637
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	2.02	5.16	0.01	0.02	—	0.02	0.02	—	0.02	—	936	936	0.04	0.01	—	940
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.37	0.94	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	155	155	0.01	< 0.005	—	156
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.49	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	170	170	< 0.005	< 0.005	0.16	171
Vendor	0.01	0.26	0.10	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	249	249	< 0.005	0.04	0.15	260
Hauling	< 0.005	0.33	0.08	< 0.005	0.01	0.12	0.12	0.01	0.03	0.04	—	320	320	< 0.005	0.05	0.25	336
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.46	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	163	163	< 0.005	< 0.005	< 0.005	163
Vendor	0.01	0.27	0.11	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	249	249	< 0.005	0.04	< 0.005	260

Hauling	< 0.005	0.34	0.08	< 0.005	0.01	0.12	0.12	0.01	0.03	0.04	—	320	320	< 0.005	0.05	0.01	336
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.12	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	42.3	42.3	< 0.005	< 0.005	0.02	42.5
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	64.3	64.3	< 0.005	0.01	0.02	67.1
Hauling	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	82.7	82.7	< 0.005	0.01	0.03	86.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.01	7.01	< 0.005	< 0.005	< 0.005	7.04
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.6	10.6	< 0.005	< 0.005	< 0.005	11.1
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	< 0.005	14.4

3.25. 6-Equipment , Structural Steel & Building Erection, Piping (2036) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.60	5.93	30.5	0.06	0.11	—	0.11	0.11	—	0.11	—	6,065	6,065	0.25	0.05	—	6,085
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.60	5.93	30.5	0.06	0.11	—	0.11	0.11	—	0.11	—	6,065	6,065	0.25	0.05	—	6,085
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.30	3.03	15.6	0.03	0.06	—	0.06	0.06	—	0.06	—	3,098	3,098	0.13	0.03	—	3,108
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.55	2.85	0.01	0.01	—	0.01	0.01	—	0.01	—	513	513	0.02	< 0.005	—	515
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.09	1.49	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	481	481	0.01	0.01	0.61	483
Vendor	0.01	0.50	0.19	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	480	480	0.01	0.07	0.40	502
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	110	110	< 0.005	0.02	0.11	115
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.11	1.43	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	460	460	0.01	0.01	0.02	462
Vendor	0.01	0.52	0.20	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	480	480	0.01	0.07	0.01	502
Hauling	< 0.005	0.12	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	110	110	< 0.005	0.02	< 0.005	115
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.05	0.71	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	237	237	< 0.005	< 0.005	0.14	238
Vendor	0.01	0.26	0.10	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	245	245	< 0.005	0.04	0.09	256
Hauling	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	56.3	56.3	< 0.005	0.01	0.02	59.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.13	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	39.2	39.2	< 0.005	< 0.005	0.02	39.3
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	40.6	40.6	< 0.005	0.01	0.01	42.4
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.32	9.32	< 0.005	< 0.005	< 0.005	9.76

3.26. 6-Equipment , Structural Steel & Building Erection, Piping (2036) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.60	5.93	30.5	0.06	0.11	—	0.11	0.11	—	0.11	—	6,065	6,065	0.25	0.05	—	6,085
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.60	5.93	30.5	0.06	0.11	—	0.11	0.11	—	0.11	—	6,065	6,065	0.25	0.05	—	6,085
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	3.03	15.6	0.03	0.06	—	0.06	0.06	—	0.06	—	3,098	3,098	0.13	0.03	—	3,108
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.55	2.85	0.01	0.01	—	0.01	0.01	—	0.01	—	513	513	0.02	< 0.005	—	515
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.18	0.09	1.49	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	481	481	0.01	0.01	0.61	483
Vendor	0.01	0.50	0.19	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	480	480	0.01	0.07	0.40	502
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	110	110	< 0.005	0.02	0.11	115
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.11	1.43	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	460	460	0.01	0.01	0.02	462
Vendor	0.01	0.52	0.20	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	480	480	0.01	0.07	0.01	502
Hauling	< 0.005	0.12	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	110	110	< 0.005	0.02	< 0.005	115
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.05	0.71	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	237	237	< 0.005	< 0.005	0.14	238
Vendor	0.01	0.26	0.10	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	245	245	< 0.005	0.04	0.09	256
Hauling	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	56.3	56.3	< 0.005	0.01	0.02	59.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.13	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	39.2	39.2	< 0.005	< 0.005	0.02	39.3
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	40.6	40.6	< 0.005	0.01	0.01	42.4
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.32	9.32	< 0.005	< 0.005	< 0.005	9.76

3.27. 6-Equipment , Structural Steel & Building Erection, Piping (2037) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.60	5.93	30.5	0.06	0.11	—	0.11	0.11	—	0.11	—	6,065	6,065	0.25	0.05	—	6,085

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Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.57	2.93	0.01	0.01	—	0.01	0.01	—	0.01	—	582	582	0.02	< 0.005	—	584
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.10	0.53	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	96.3	96.3	< 0.005	< 0.005	—	96.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.09	1.35	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	456	456	0.01	0.01	0.01	457
Vendor	0.01	0.51	0.19	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	466	466	0.01	0.07	0.01	488
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	108	108	< 0.005	0.02	< 0.005	113
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.13	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	44.0	44.0	< 0.005	< 0.005	0.02	44.2
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	44.7	44.7	< 0.005	0.01	0.01	46.7
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.4	10.4	< 0.005	< 0.005	< 0.005	10.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.28	7.28	< 0.005	< 0.005	< 0.005	7.32
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.40	7.40	< 0.005	< 0.005	< 0.005	7.74
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.72	1.72	< 0.005	< 0.005	< 0.005	1.80

3.28. 6-Equipment , Structural Steel & Building Erection, Piping (2037) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.60	5.93	30.5	0.06	0.11	—	0.11	0.11	—	0.11	—	6,065	6,065	0.25	0.05	—	6,085
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.57	2.93	0.01	0.01	—	0.01	0.01	—	0.01	—	582	582	0.02	< 0.005	—	584
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.10	0.53	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	96.3	96.3	< 0.005	< 0.005	—	96.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.09	1.35	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	456	456	0.01	0.01	0.01	457

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Vendor	0.01	0.51	0.19	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	466	466	0.01	0.07	0.01	488
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	108	108	< 0.005	0.02	< 0.005	113
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.13	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	44.0	44.0	< 0.005	< 0.005	0.02	44.2
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	44.7	44.7	< 0.005	0.01	0.01	46.7
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.4	10.4	< 0.005	< 0.005	< 0.005	10.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.28	7.28	< 0.005	< 0.005	< 0.005	7.32
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.40	7.40	< 0.005	< 0.005	< 0.005	7.74
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.72	1.72	< 0.005	< 0.005	< 0.005	1.80

3.29. 7-Electrical & Instrumentation (2037) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	2.25	16.4	0.03	0.06	—	0.06	0.06	—	0.06	—	3,339	3,339	0.14	0.03	—	3,350
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	2.25	16.4	0.03	0.06	—	0.06	0.06	—	0.06	—	3,339	3,339	0.14	0.03	—	3,350
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.20	1.41	10.2	0.02	0.04	—	0.04	0.04	—	0.04	—	2,086	2,086	0.08	0.02	—	2,093
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.26	1.86	< 0.005	0.01	—	0.01	0.01	—	0.01	—	345	345	0.01	< 0.005	—	346
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.04	0.66	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	220	220	< 0.005	< 0.005	0.24	221
Vendor	0.01	0.35	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	339	339	0.01	0.05	0.24	354
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	108	108	< 0.005	0.02	0.10	113
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.04	0.62	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	210	210	< 0.005	< 0.005	0.01	211
Vendor	0.01	0.37	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	339	339	0.01	0.05	0.01	355
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	108	108	< 0.005	0.02	< 0.005	113
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.03	0.39	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	132	132	< 0.005	< 0.005	0.07	133
Vendor	0.01	0.23	0.09	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.03	—	212	212	< 0.005	0.03	0.07	221
Hauling	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	67.5	67.5	< 0.005	0.01	0.03	70.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.07	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	21.9	21.9	< 0.005	< 0.005	0.01	22.0
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	35.0	35.0	< 0.005	0.01	0.01	36.7
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.2	11.2	< 0.005	< 0.005	< 0.005	11.7

3.30. 7-Electrical & Instrumentation (2037) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	2.25	16.4	0.03	0.06	—	0.06	0.06	—	0.06	—	3,339	3,339	0.14	0.03	—	3,350
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	2.25	16.4	0.03	0.06	—	0.06	0.06	—	0.06	—	3,339	3,339	0.14	0.03	—	3,350
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	1.41	10.2	0.02	0.04	—	0.04	0.04	—	0.04	—	2,086	2,086	0.08	0.02	—	2,093
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.26	1.86	< 0.005	0.01	—	0.01	0.01	—	0.01	—	345	345	0.01	< 0.005	—	346
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.08	0.04	0.66	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	220	220	< 0.005	< 0.005	0.24	221
Vendor	0.01	0.35	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	339	339	0.01	0.05	0.24	354
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	108	108	< 0.005	0.02	0.10	113
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.04	0.62	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	210	210	< 0.005	< 0.005	0.01	211
Vendor	0.01	0.37	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	339	339	0.01	0.05	0.01	355
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	108	108	< 0.005	0.02	< 0.005	113
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.03	0.39	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	132	132	< 0.005	< 0.005	0.07	133
Vendor	0.01	0.23	0.09	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.03	—	212	212	< 0.005	0.03	0.07	221
Hauling	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	67.5	67.5	< 0.005	0.01	0.03	70.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.07	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	21.9	21.9	< 0.005	< 0.005	0.01	22.0
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	35.0	35.0	< 0.005	0.01	0.01	36.7
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.2	11.2	< 0.005	< 0.005	< 0.005	11.7

3.31. 11-Post Construction / Site Restoration (2038) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.49	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	170	170	< 0.005	< 0.005	0.16	171
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.53	0.37	0.01	0.03	0.54	0.57	0.03	0.15	0.18	—	1,494	1,494	0.02	0.24	1.17	1,568
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.88	9.88	< 0.005	< 0.005	< 0.005	9.92
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.10	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	90.1	90.1	< 0.005	0.01	0.03	94.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.64	1.64	< 0.005	< 0.005	< 0.005	1.64
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	14.9	14.9	< 0.005	< 0.005	0.01	15.6

3.32. 11-Post Construction / Site Restoration (2038) - Mitigated

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

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

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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.49	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	170	170	< 0.005	< 0.005	0.16	171
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.53	0.37	0.01	0.03	0.54	0.57	0.03	0.15	0.18	—	1,494	1,494	0.02	0.24	1.17	1,568
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.88	9.88	< 0.005	< 0.005	< 0.005	9.92
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.10	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	90.1	90.1	< 0.005	0.01	0.03	94.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.64	1.64	< 0.005	< 0.005	< 0.005	1.64
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	14.9	14.9	< 0.005	< 0.005	0.01	15.6
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3.33. A3-Well Abandonment (2029) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.12	23.2	216	0.25	0.82	—	0.82	0.82	—	0.82	—	27,440	27,440	1.11	0.22	—	27,534
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.12	23.2	216	0.25	0.82	—	0.82	0.82	—	0.82	—	27,440	27,440	1.11	0.22	—	27,534
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.11	6.27	58.4	0.07	0.22	—	0.22	0.22	—	0.22	—	7,410	7,410	0.30	0.06	—	7,436
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	1.14	10.7	0.01	0.04	—	0.04	0.04	—	0.04	—	1,227	1,227	0.05	0.01	—	1,231
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.13	2.05	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	475	475	0.01	0.02	1.37	483
Vendor	0.03	1.51	0.50	0.01	0.01	0.41	0.42	0.01	0.11	0.12	—	1,356	1,356	0.02	0.20	2.61	1,419
Hauling	0.05	4.49	1.00	0.03	0.06	1.17	1.22	0.06	0.33	0.38	—	4,001	4,001	0.07	0.63	7.40	4,198
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.17	1.94	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	455	455	0.01	0.02	0.04	462
Vendor	0.03	1.58	0.51	0.01	0.01	0.41	0.42	0.01	0.11	0.12	—	1,357	1,357	0.02	0.20	0.07	1,417
Hauling	0.05	4.66	1.01	0.03	0.06	1.17	1.22	0.06	0.33	0.38	—	4,002	4,002	0.06	0.63	0.19	4,192
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.52	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	124	124	< 0.005	0.01	0.16	126
Vendor	0.01	0.42	0.14	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	366	366	< 0.005	0.05	0.30	383
Hauling	0.01	1.26	0.27	0.01	0.02	0.31	0.33	0.02	0.09	0.10	—	1,081	1,081	0.02	0.17	0.86	1,133
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	20.5	20.5	< 0.005	< 0.005	0.03	20.8
Vendor	< 0.005	0.08	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	60.6	60.6	< 0.005	0.01	0.05	63.4
Hauling	< 0.005	0.23	0.05	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	179	179	< 0.005	0.03	0.14	188

3.34. A3-Well Abandonment (2029) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.12	23.2	216	0.25	0.82	—	0.82	0.82	—	0.82	—	27,440	27,440	1.11	0.22	—	27,534

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Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.12	23.2	216	0.25	0.82	—	0.82	0.82	—	0.82	—	27,440	27,440	1.11	0.22	—	27,534
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.11	6.27	58.4	0.07	0.22	—	0.22	0.22	—	0.22	—	7,410	7,410	0.30	0.06	—	7,436
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	1.14	10.7	0.01	0.04	—	0.04	0.04	—	0.04	—	1,227	1,227	0.05	0.01	—	1,231
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.13	2.05	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	475	475	0.01	0.02	1.37	483
Vendor	0.03	1.51	0.50	0.01	0.01	0.41	0.42	0.01	0.11	0.12	—	1,356	1,356	0.02	0.20	2.61	1,419
Hauling	0.05	4.49	1.00	0.03	0.06	1.17	1.22	0.06	0.33	0.38	—	4,001	4,001	0.07	0.63	7.40	4,198
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.17	1.94	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	455	455	0.01	0.02	0.04	462
Vendor	0.03	1.58	0.51	0.01	0.01	0.41	0.42	0.01	0.11	0.12	—	1,357	1,357	0.02	0.20	0.07	1,417
Hauling	0.05	4.66	1.01	0.03	0.06	1.17	1.22	0.06	0.33	0.38	—	4,002	4,002	0.06	0.63	0.19	4,192

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.52	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	124	124	< 0.005	0.01	0.16	126
Vendor	0.01	0.42	0.14	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	366	366	< 0.005	0.05	0.30	383
Hauling	0.01	1.26	0.27	0.01	0.02	0.31	0.33	0.02	0.09	0.10	—	1,081	1,081	0.02	0.17	0.86	1,133
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	20.5	20.5	< 0.005	< 0.005	0.03	20.8
Vendor	< 0.005	0.08	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	60.6	60.6	< 0.005	0.01	0.05	63.4
Hauling	< 0.005	0.23	0.05	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	179	179	< 0.005	0.03	0.14	188

3.35. A3-Well Abandonment (2030) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.12	23.2	216	0.25	0.82	—	0.82	0.82	—	0.82	—	27,438	27,438	1.11	0.22	—	27,532
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.12	23.2	216	0.25	0.82	—	0.82	0.82	—	0.82	—	27,438	27,438	1.11	0.22	—	27,532
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	5.09	47.4	0.06	0.18	—	0.18	0.18	—	0.18	—	6,014	6,014	0.24	0.05	—	6,034

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Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.93	8.64	0.01	0.03	—	0.03	0.03	—	0.03	—	996	996	0.04	0.01	—	999
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.13	1.93	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	467	467	0.01	0.02	1.22	475
Vendor	0.03	1.44	0.49	0.01	0.01	0.41	0.42	0.01	0.11	0.12	—	1,314	1,314	0.02	0.19	2.29	1,374
Hauling	0.05	4.29	1.00	0.03	0.06	1.17	1.22	0.06	0.33	0.38	—	3,884	3,884	0.06	0.60	6.71	4,073
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.15	1.83	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	447	447	0.01	0.02	0.03	453
Vendor	0.03	1.49	0.50	0.01	0.01	0.41	0.42	0.01	0.11	0.12	—	1,315	1,315	0.02	0.19	0.06	1,372
Hauling	0.05	4.45	1.01	0.03	0.06	1.17	1.22	0.06	0.33	0.38	—	3,885	3,885	0.06	0.60	0.17	4,067
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.40	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	98.7	98.7	< 0.005	< 0.005	0.12	100
Vendor	0.01	0.33	0.11	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	288	288	< 0.005	0.04	0.22	301
Hauling	0.01	0.98	0.22	0.01	0.01	0.26	0.27	0.01	0.07	0.08	—	851	851	0.01	0.13	0.64	892
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.3	16.3	< 0.005	< 0.005	0.02	16.6
Vendor	< 0.005	0.06	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	47.7	47.7	< 0.005	0.01	0.04	49.8
Hauling	< 0.005	0.18	0.04	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	141	141	< 0.005	0.02	0.11	148

3.36. A3-Well Abandonment (2030) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.12	23.2	216	0.25	0.82	—	0.82	0.82	—	0.82	—	27,438	27,438	1.11	0.22	—	27,532
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.12	23.2	216	0.25	0.82	—	0.82	0.82	—	0.82	—	27,438	27,438	1.11	0.22	—	27,532
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	5.09	47.4	0.06	0.18	—	0.18	0.18	—	0.18	—	6,014	6,014	0.24	0.05	—	6,034
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.93	8.64	0.01	0.03	—	0.03	0.03	—	0.03	—	996	996	0.04	0.01	—	999
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.13	1.93	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	467	467	0.01	0.02	1.22	475
Vendor	0.03	1.44	0.49	0.01	0.01	0.41	0.42	0.01	0.11	0.12	—	1,314	1,314	0.02	0.19	2.29	1,374

Hauling	0.05	4.29	1.00	0.03	0.06	1.17	1.22	0.06	0.33	0.38	—	3,884	3,884	0.06	0.60	6.71	4,073
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.15	1.83	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	447	447	0.01	0.02	0.03	453
Vendor	0.03	1.49	0.50	0.01	0.01	0.41	0.42	0.01	0.11	0.12	—	1,315	1,315	0.02	0.19	0.06	1,372
Hauling	0.05	4.45	1.01	0.03	0.06	1.17	1.22	0.06	0.33	0.38	—	3,885	3,885	0.06	0.60	0.17	4,067
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.40	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	98.7	98.7	< 0.005	< 0.005	0.12	100
Vendor	0.01	0.33	0.11	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	288	288	< 0.005	0.04	0.22	301
Hauling	0.01	0.98	0.22	0.01	0.01	0.26	0.27	0.01	0.07	0.08	—	851	851	0.01	0.13	0.64	892
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.3	16.3	< 0.005	< 0.005	0.02	16.6
Vendor	< 0.005	0.06	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	47.7	47.7	< 0.005	0.01	0.04	49.8
Hauling	< 0.005	0.18	0.04	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	141	141	< 0.005	0.02	0.11	148

3.37. A5-Gas Pipeline (2035) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.34	27.4	226	0.30	0.85	—	0.85	0.85	—	0.85	—	32,053	32,053	1.30	0.26	—	32,163
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	4.34	27.4	226	0.30	0.85	—	0.85	0.85	—	0.85	—	32,053	32,053	1.30	0.26	—	32,163
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.55	9.80	81.0	0.11	0.30	—	0.30	0.30	—	0.30	—	11,479	11,479	0.47	0.09	—	11,518
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	1.79	14.8	0.02	0.06	—	0.06	0.06	—	0.06	—	1,900	1,900	0.08	0.02	—	1,907
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.32	0.15	2.74	0.00	0.00	0.95	0.95	0.00	0.22	0.22	—	841	841	0.01	0.01	1.23	845
Vendor	0.01	0.47	0.18	< 0.005	< 0.005	0.17	0.17	< 0.005	0.05	0.05	—	451	451	0.01	0.07	0.43	472
Hauling	0.01	0.84	0.21	0.01	0.01	0.28	0.29	0.01	0.08	0.09	—	807	807	0.01	0.13	0.90	847
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.32	0.19	2.61	0.00	0.00	0.95	0.95	0.00	0.22	0.22	—	805	805	0.02	0.01	0.03	808
Vendor	0.01	0.49	0.19	< 0.005	< 0.005	0.17	0.17	< 0.005	0.05	0.05	—	451	451	0.01	0.07	0.01	472
Hauling	0.01	0.87	0.21	0.01	0.01	0.28	0.29	0.01	0.08	0.09	—	807	807	0.01	0.13	0.02	846
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.07	0.91	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	290	290	0.01	< 0.005	0.19	292
Vendor	< 0.005	0.18	0.07	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	162	162	< 0.005	0.02	0.07	169
Hauling	< 0.005	0.31	0.07	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	289	289	< 0.005	0.05	0.14	303

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.17	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	48.0	48.0	< 0.005	< 0.005	0.03	48.3
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	26.7	26.7	< 0.005	< 0.005	0.01	28.0
Hauling	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	47.9	47.9	< 0.005	0.01	0.02	50.2

3.38. A5-Gas Pipeline (2035) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.34	27.4	226	0.30	0.85	—	0.85	0.85	—	0.85	—	32,053	32,053	1.30	0.26	—	32,163
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.34	27.4	226	0.30	0.85	—	0.85	0.85	—	0.85	—	32,053	32,053	1.30	0.26	—	32,163
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.55	9.80	81.0	0.11	0.30	—	0.30	0.30	—	0.30	—	11,479	11,479	0.47	0.09	—	11,518
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	1.79	14.8	0.02	0.06	—	0.06	0.06	—	0.06	—	1,900	1,900	0.08	0.02	—	1,907

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.32	0.15	2.74	0.00	0.00	0.95	0.95	0.00	0.22	0.22	—	841	841	0.01	0.01	1.23	845
Vendor	0.01	0.47	0.18	< 0.005	< 0.005	0.17	0.17	< 0.005	0.05	0.05	—	451	451	0.01	0.07	0.43	472
Hauling	0.01	0.84	0.21	0.01	0.01	0.28	0.29	0.01	0.08	0.09	—	807	807	0.01	0.13	0.90	847
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.32	0.19	2.61	0.00	0.00	0.95	0.95	0.00	0.22	0.22	—	805	805	0.02	0.01	0.03	808
Vendor	0.01	0.49	0.19	< 0.005	< 0.005	0.17	0.17	< 0.005	0.05	0.05	—	451	451	0.01	0.07	0.01	472
Hauling	0.01	0.87	0.21	0.01	0.01	0.28	0.29	0.01	0.08	0.09	—	807	807	0.01	0.13	0.02	846
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.07	0.91	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	290	290	0.01	< 0.005	0.19	292
Vendor	< 0.005	0.18	0.07	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	162	162	< 0.005	0.02	0.07	169
Hauling	< 0.005	0.31	0.07	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	289	289	< 0.005	0.05	0.14	303
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.17	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	48.0	48.0	< 0.005	< 0.005	0.03	48.3
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	26.7	26.7	< 0.005	< 0.005	0.01	28.0
Hauling	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	47.9	47.9	< 0.005	0.01	0.02	50.2

3.39. A5-Gas Pipeline (2036) - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.34	27.4	226	0.30	0.85	—	0.85	0.85	—	0.85	—	32,053	32,053	1.30	0.26	—	32,163
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.60	3.80	31.4	0.04	0.12	—	0.12	0.12	—	0.12	—	4,454	4,454	0.18	0.04	—	4,469
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.69	5.73	0.01	0.02	—	0.02	0.02	—	0.02	—	737	737	0.03	0.01	—	740
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31	0.19	2.47	0.00	0.00	0.95	0.95	0.00	0.22	0.22	—	796	796	0.02	0.01	0.03	799
Vendor	0.01	0.48	0.18	< 0.005	< 0.005	0.17	0.17	< 0.005	0.05	0.05	—	437	437	0.01	0.06	0.01	456
Hauling	0.01	0.84	0.20	0.01	0.01	0.28	0.29	0.01	0.08	0.09	—	789	789	0.01	0.12	0.02	826
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.34	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	111	111	< 0.005	< 0.005	0.06	112

Vendor	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	60.6	60.6	< 0.005	0.01	0.02	63.4
Hauling	< 0.005	0.12	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	110	110	< 0.005	0.02	0.05	115
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	18.4	18.4	< 0.005	< 0.005	0.01	18.5
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.0	10.0	< 0.005	< 0.005	< 0.005	10.5
Hauling	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	18.2	18.2	< 0.005	< 0.005	0.01	19.0

3.40. A5-Gas Pipeline (2036) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.34	27.4	226	0.30	0.85	—	0.85	0.85	—	0.85	—	32,053	32,053	1.30	0.26	—	32,163
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.60	3.80	31.4	0.04	0.12	—	0.12	0.12	—	0.12	—	4,454	4,454	0.18	0.04	—	4,469
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.69	5.73	0.01	0.02	—	0.02	0.02	—	0.02	—	737	737	0.03	0.01	—	740
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31	0.19	2.47	0.00	0.00	0.95	0.95	0.00	0.22	0.22	—	796	796	0.02	0.01	0.03	799
Vendor	0.01	0.48	0.18	< 0.005	< 0.005	0.17	0.17	< 0.005	0.05	0.05	—	437	437	0.01	0.06	0.01	456
Hauling	0.01	0.84	0.20	0.01	0.01	0.28	0.29	0.01	0.08	0.09	—	789	789	0.01	0.12	0.02	826
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.34	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	111	111	< 0.005	< 0.005	0.06	112
Vendor	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	60.6	60.6	< 0.005	0.01	0.02	63.4
Hauling	< 0.005	0.12	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	110	110	< 0.005	0.02	0.05	115
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	18.4	18.4	< 0.005	< 0.005	0.01	18.5
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.0	10.0	< 0.005	< 0.005	< 0.005	10.5
Hauling	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	18.2	18.2	< 0.005	< 0.005	0.01	19.0

3.41. A6-Electrical Interconnect (2035) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	3.59	6.31	0.01	0.02	—	0.02	0.02	—	0.02	—	952	952	0.04	0.01	—	955

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Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.31	9.31	< 0.005	< 0.005	—	9.34
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.54	1.54	< 0.005	< 0.005	—	1.55
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.52	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	161	161	< 0.005	< 0.005	0.01	162
Vendor	0.01	0.39	0.15	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	361	361	0.01	0.06	0.01	378
Hauling	0.01	0.51	0.12	< 0.005	0.01	0.16	0.17	0.01	0.05	0.05	—	472	472	< 0.005	0.08	0.01	494
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.59	1.59	< 0.005	< 0.005	< 0.005	1.59
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.53	3.53	< 0.005	< 0.005	< 0.005	3.69
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.61	4.61	< 0.005	< 0.005	< 0.005	4.84
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.26	0.26	< 0.005	< 0.005	< 0.005	0.26
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.58	0.58	< 0.005	< 0.005	< 0.005	0.61
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.76	0.76	< 0.005	< 0.005	< 0.005	0.80

3.42. A6-Electrical Interconnect (2035) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	3.59	6.31	0.01	0.02	—	0.02	0.02	—	0.02	—	952	952	0.04	0.01	—	955
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.31	9.31	< 0.005	< 0.005	—	9.34
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.54	1.54	< 0.005	< 0.005	—	1.55
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.52	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	161	161	< 0.005	< 0.005	0.01	162

Vendor	0.01	0.39	0.15	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	361	361	0.01	0.06	0.01	378
Hauling	0.01	0.51	0.12	< 0.005	0.01	0.16	0.17	0.01	0.05	0.05	—	472	472	< 0.005	0.08	0.01	494
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.59	1.59	< 0.005	< 0.005	< 0.005	1.59
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.53	3.53	< 0.005	< 0.005	< 0.005	3.69
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.61	4.61	< 0.005	< 0.005	< 0.005	4.84
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.26	0.26	< 0.005	< 0.005	< 0.005	0.26
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.58	0.58	< 0.005	< 0.005	< 0.005	0.61
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.76	0.76	< 0.005	< 0.005	< 0.005	0.80

3.43. A6-Electrical Interconnect (2036) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	3.59	6.31	0.01	0.02	—	0.02	0.02	—	0.02	—	952	952	0.04	0.01	—	955
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.64	1.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	169	169	0.01	< 0.005	—	170
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.12	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	28.1	28.1	< 0.005	< 0.005	—	28.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.49	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	159	159	< 0.005	< 0.005	0.01	160
Vendor	0.01	0.38	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	349	349	0.01	0.05	0.01	365
Hauling	0.01	0.49	0.12	< 0.005	0.01	0.16	0.17	0.01	0.05	0.05	—	461	461	< 0.005	0.07	0.01	483
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	28.6	28.6	< 0.005	< 0.005	0.02	28.7
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	62.2	62.2	< 0.005	0.01	0.02	65.0
Hauling	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	82.1	82.1	< 0.005	0.01	0.04	86.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.73	4.73	< 0.005	< 0.005	< 0.005	4.75
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.3	10.3	< 0.005	< 0.005	< 0.005	10.8
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.6	13.6	< 0.005	< 0.005	0.01	14.2

3.44. A6-Electrical Interconnect (2036) - Mitigated

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

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

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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	3.59	6.31	0.01	0.02	—	0.02	0.02	—	0.02	—	952	952	0.04	0.01	—	955
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.64	1.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	169	169	0.01	< 0.005	—	170
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.12	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	28.1	28.1	< 0.005	< 0.005	—	28.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.49	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	159	159	< 0.005	< 0.005	0.01	160
Vendor	0.01	0.38	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	349	349	0.01	0.05	0.01	365
Hauling	0.01	0.49	0.12	< 0.005	0.01	0.16	0.17	0.01	0.05	0.05	—	461	461	< 0.005	0.07	0.01	483
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	28.6	28.6	< 0.005	< 0.005	0.02	28.7

Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	62.2	62.2	< 0.005	0.01	0.02	65.0
Hauling	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	82.1	82.1	< 0.005	0.01	0.04	86.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.73	4.73	< 0.005	< 0.005	< 0.005	4.75
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.3	10.3	< 0.005	< 0.005	< 0.005	10.8
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.6	13.6	< 0.005	< 0.005	0.01	14.2

3.45. 8-Paving (2037) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.22	3.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	442	442	0.02	< 0.005	—	443
Paving	0.46	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.18	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	25.9	25.9	< 0.005	< 0.005	—	26.0
Paving	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.29	4.29	< 0.005	< 0.005	—	4.31

Paving	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.03	0.38	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	128	128	< 0.005	< 0.005	< 0.005	129
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.37	0.33	0.01	0.02	0.47	0.49	0.02	0.13	0.15	—	1,297	1,297	0.01	0.21	0.03	1,359
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.60	7.60	< 0.005	< 0.005	< 0.005	7.63
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.08	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	76.1	76.1	< 0.005	0.01	0.03	79.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.26	1.26	< 0.005	< 0.005	< 0.005	1.26
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	12.6	12.6	< 0.005	< 0.005	< 0.005	13.2

3.46. 8-Paving (2037) - Mitigated

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

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

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Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.22	3.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	442	442	0.02	< 0.005	—	443
Paving	0.46	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.18	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	25.9	25.9	< 0.005	< 0.005	—	26.0
Paving	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.29	4.29	< 0.005	< 0.005	—	4.31
Paving	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.03	0.38	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	128	128	< 0.005	< 0.005	< 0.005	129
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.37	0.33	0.01	0.02	0.47	0.49	0.02	0.13	0.15	—	1,297	1,297	0.01	0.21	0.03	1,359
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.60	7.60	< 0.005	< 0.005	< 0.005	7.63

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.08	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	76.1	76.1	< 0.005	0.01	0.03	79.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.26	1.26	< 0.005	< 0.005	< 0.005	1.26
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	12.6	12.6	< 0.005	< 0.005	< 0.005	13.2

3.47. 8-Paving (2038) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.22	3.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	442	442	0.02	< 0.005	—	443
Paving	0.46	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.20	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	28.5	28.5	< 0.005	< 0.005	—	28.6
Paving	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.72	4.72	< 0.005	< 0.005	—	4.74

Paving	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.03	0.36	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	128	128	< 0.005	< 0.005	< 0.005	128
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.37	0.32	0.01	0.02	0.47	0.49	0.02	0.13	0.15	—	1,281	1,281	0.01	0.21	0.03	1,343
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.32	8.32	< 0.005	< 0.005	< 0.005	8.35
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	82.7	82.7	< 0.005	0.01	0.03	86.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.38	1.38	< 0.005	< 0.005	< 0.005	1.38
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	< 0.005	14.4

3.48. 8-Paving (2038) - Mitigated

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

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

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Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.22	3.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	442	442	0.02	< 0.005	—	443
Paving	0.46	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.20	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	28.5	28.5	< 0.005	< 0.005	—	28.6
Paving	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.72	4.72	< 0.005	< 0.005	—	4.74
Paving	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.03	0.36	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	128	128	< 0.005	< 0.005	< 0.005	128
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.37	0.32	0.01	0.02	0.47	0.49	0.02	0.13	0.15	—	1,281	1,281	0.01	0.21	0.03	1,343
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.32	8.32	< 0.005	< 0.005	< 0.005	8.35

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	82.7	82.7	< 0.005	0.01	0.03	86.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.38	1.38	< 0.005	< 0.005	< 0.005	1.38
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	< 0.005	14.4

3.49. 9-Painting/Insulation (2038) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	—	—	—	< 0.005	—	—	—	—	—	—	—	36.2	36.2	< 0.005	< 0.005	—	36.3
Architect ural Coatings	4.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	—	—	—	< 0.005	—	—	—	—	—	—	—	4.26	4.26	< 0.005	< 0.005	—	4.28
Architect ural Coatings	0.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	—	—	—	< 0.005	—	—	—	—	—	—	—	0.71	0.71	< 0.005	< 0.005	—	0.71
Architectural Coatings	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.07	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	23.3	23.3	< 0.005	< 0.005	< 0.005	23.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	1.03	0.24	0.01	0.02	0.35	0.37	0.02	0.10	0.12	—	961	961	0.01	0.16	0.02	1,007
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.76	2.76	< 0.005	< 0.005	< 0.005	2.77
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.12	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	113	113	< 0.005	0.02	0.04	119
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.46	0.46	< 0.005	< 0.005	< 0.005	0.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	18.7	18.7	< 0.005	< 0.005	0.01	19.6

3.50. 9-Painting/Insulation (2038) - Mitigated

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

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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	—	—	—	< 0.005	—	—	—	—	—	—	—	36.2	36.2	< 0.005	< 0.005	—	36.3
Architect ural Coatings	4.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	—	—	—	< 0.005	—	—	—	—	—	—	—	4.26	4.26	< 0.005	< 0.005	—	4.28
Architect ural Coatings	0.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	—	—	—	< 0.005	—	—	—	—	—	—	—	0.71	0.71	< 0.005	< 0.005	—	0.71
Architect ural Coatings	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.07	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	23.3	23.3	< 0.005	< 0.005	< 0.005	23.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	1.03	0.24	0.01	0.02	0.35	0.37	0.02	0.10	0.12	—	961	961	0.01	0.16	0.02	1,007
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.76	2.76	< 0.005	< 0.005	< 0.005	2.77
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.12	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	113	113	< 0.005	0.02	0.04	119
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.46	0.46	< 0.005	< 0.005	< 0.005	0.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	18.7	18.7	< 0.005	< 0.005	0.01	19.6

3.51. 5-Trenching/Undergrounds (2036) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.83	1.24	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	341	341	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	0.13	0.20	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	54.1	54.1	< 0.005	< 0.005	—	54.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.96	8.96	< 0.005	< 0.005	—	8.99
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.05	0.88	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	283	283	0.01	< 0.005	0.36	285
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	43.6	43.6	< 0.005	0.01	0.04	45.6
Hauling	0.01	1.02	0.25	0.01	0.02	0.35	0.37	0.02	0.10	0.12	—	992	992	0.01	0.16	0.99	1,039
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.13	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	43.4	43.4	< 0.005	< 0.005	0.02	43.6
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.93	6.93	< 0.005	< 0.005	< 0.005	7.25
Hauling	< 0.005	0.17	0.04	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	158	158	< 0.005	0.02	0.07	165
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.19	7.19	< 0.005	< 0.005	< 0.005	7.22
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.15	1.15	< 0.005	< 0.005	< 0.005	1.20
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	26.1	26.1	< 0.005	< 0.005	0.01	27.3

3.52. 5-Trenching/Undergrounds (2036) - Mitigated

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

SCG-VCM Project - Devils Canyon Site- Criteria Pollutants- Overlapping Phases Detailed Report, 9/5/2025

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.83	1.24	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	341	341	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.13	0.20	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	54.1	54.1	< 0.005	< 0.005	—	54.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.96	8.96	< 0.005	< 0.005	—	8.99
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.05	0.88	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	283	283	0.01	< 0.005	0.36	285
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	43.6	43.6	< 0.005	0.01	0.04	45.6
Hauling	0.01	1.02	0.25	0.01	0.02	0.35	0.37	0.02	0.10	0.12	—	992	992	0.01	0.16	0.99	1,039
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.13	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	43.4	43.4	< 0.005	< 0.005	0.02	43.6
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.93	6.93	< 0.005	< 0.005	< 0.005	7.25
Hauling	< 0.005	0.17	0.04	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	158	158	< 0.005	0.02	0.07	165
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.19	7.19	< 0.005	< 0.005	< 0.005	7.22
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.15	1.15	< 0.005	< 0.005	< 0.005	1.20
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	26.1	26.1	< 0.005	< 0.005	0.01	27.3

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

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

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

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

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

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

Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
2-Demo Existing Equipment & Piping	Demolition	9/6/2035	12/7/2035	5.00	67.0	—
12-Decomissioning Demolition	Demolition	5/12/2039	8/15/2039	5.00	68.0	—
1-Subsurface Exploration	Site Preparation	7/2/2035	9/5/2035	5.00	48.0	—
A4-Offsite Laydown Development	Site Preparation	7/2/2035	9/5/2035	5.00	48.0	—
A1-Site Assessment	Site Preparation	5/1/2029	5/18/2029	5.00	14.0	—
A2-Soil Remediation	Site Preparation	9/21/2029	3/11/2030	5.00	122	—
3-Site Preparation/ Rough Grading	Grading	11/13/2035	12/7/2035	5.00	19.0	—
4-Foundations	Building Construction	12/10/2035	8/7/2036	5.00	174	—
10-Commissioning / Startup and Testing	Building Construction	12/2/2037	5/12/2038	5.00	116	—
6-Equipment , Structural Steel & Building Erection, Piping	Building Construction	4/15/2036	2/18/2037	5.00	222	—
7-Electrical & Instrumentation	Building Construction	1/16/2037	12/1/2037	5.00	228	—
11-Post Construction / Site Restoration	Building Construction	5/13/2038	6/11/2038	5.00	22.0	—
A3-Well Abandonment	Building Construction	8/16/2029	4/22/2030	5.00	178	—
A5-Gas Pipeline	Building Construction	7/2/2035	3/11/2036	5.00	182	—
A6-Electrical Interconnect	Building Construction	12/27/2035	3/31/2036	5.00	68.0	—
8-Paving	Paving	12/2/2037	2/2/2038	5.00	45.0	—
9-Painting/Insulation	Architectural Coating	1/4/2038	3/3/2038	5.00	43.0	—
5-Trenching/Underground s	Trenching	7/9/2036	9/26/2036	5.00	58.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
2-Demo Existing Equipment & Piping	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
2-Demo Existing Equipment & Piping	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
2-Demo Existing Equipment & Piping	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
2-Demo Existing Equipment & Piping	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	2.00	0.48
2-Demo Existing Equipment & Piping	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
2-Demo Existing Equipment & Piping	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	65.0	0.37
2-Demo Existing Equipment & Piping	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
12-Decomissioning Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
12-Decomissioning Demolition	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
12-Decomissioning Demolition	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
12-Decomissioning Demolition	Aerial Lifts	Electric	Average	1.00	8.00	46.0	0.31
12-Decomissioning Demolition	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
12-Decomissioning Demolition	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
12-Decomissioning Demolition	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
12-Decomissioning Demolition	Generator Sets	Diesel	Tier 4 Final	1.00	8.00	49.0	0.74
12-Decomissioning Demolition	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37

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12-Decomissioning Demolition	Welders	Electric	Average	3.00	8.00	46.0	0.45
12-Decomissioning Demolition	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
1-Subsurface Exploration	Bore/Drill Rigs	Diesel	Tier 4 Final	1.00	8.00	300	0.50
A4-Offsite Laydown Development	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
A4-Offsite Laydown Development	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
A4-Offsite Laydown Development	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	225	0.37
A4-Offsite Laydown Development	Welders	Diesel	Tier 4 Final	4.00	8.00	24.0	0.45
A4-Offsite Laydown Development	Excavators	Diesel	Tier 4 Final	3.00	8.00	443	0.38
A4-Offsite Laydown Development	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
A4-Offsite Laydown Development	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
A4-Offsite Laydown Development	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	2.00	0.48
A4-Offsite Laydown Development	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
A4-Offsite Laydown Development	Graders	Diesel	Tier 4 Final	1.00	8.00	250	0.41
A4-Offsite Laydown Development	Rollers	Diesel	Tier 4 Final	1.00	8.00	125	0.38
A4-Offsite Laydown Development	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	74.0	0.37
A4-Offsite Laydown Development	Bore/Drill Rigs	Diesel	Tier 4 Final	1.00	8.00	300	0.50
A4-Offsite Laydown Development	Skid Steer Loaders	Diesel	Average	1.00	8.00	65.0	0.37

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A4-Offsite Laydown Development	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
A4-Offsite Laydown Development	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
A1-Site Assessment	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
A1-Site Assessment	Bore/Drill Rigs	Diesel	Tier 4 Final	1.00	8.00	300	0.50
A2-Soil Remediation	Excavators	Diesel	Tier 4 Final	1.00	8.00	346	0.38
A2-Soil Remediation	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
A2-Soil Remediation	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
A2-Soil Remediation	Generator Sets	Diesel	Tier 4 Final	1.00	6.00	49.0	0.74
3-Site Preparation/ Rough Grading	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
3-Site Preparation/ Rough Grading	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
3-Site Preparation/ Rough Grading	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	2.00	0.48
3-Site Preparation/ Rough Grading	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
4-Foundations	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
4-Foundations	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
4-Foundations	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
4-Foundations	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
4-Foundations	Excavators	Diesel	Tier 4 Final	1.00	8.00	346	0.38
4-Foundations	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
4-Foundations	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	170	0.40
10-Commissioning / Startup and Testing	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
10-Commissioning / Startup and Testing	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20

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10-Commissioning / Startup and Testing	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
10-Commissioning / Startup and Testing	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37
10-Commissioning / Startup and Testing	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
10-Commissioning / Startup and Testing	Welders	Electric	Average	3.00	8.00	46.0	0.45
10-Commissioning / Startup and Testing	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
10-Commissioning / Startup and Testing	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
10-Commissioning / Startup and Testing	Aerial Lifts	Electric	Average	4.00	8.00	46.0	0.31
6-Equipment , Structural Steel & Building Erection, Piping	Cranes	Diesel	Tier 4 Final	1.00	7.00	200	0.29
6-Equipment , Structural Steel & Building Erection, Piping	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
6-Equipment , Structural Steel & Building Erection, Piping	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37
6-Equipment , Structural Steel & Building Erection, Piping	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
6-Equipment , Structural Steel & Building Erection, Piping	Cranes	Diesel	Tier 4 Final	2.00	7.00	275	0.29
6-Equipment , Structural Steel & Building Erection, Piping	Forklifts	Diesel	Tier 4 Final	1.00	8.00	122	0.20

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6-Equipment , Structural Steel & Building Erection, Piping	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
6-Equipment , Structural Steel & Building Erection, Piping	Welders	Electric	Average	5.00	8.00	46.0	0.45
6-Equipment , Structural Steel & Building Erection, Piping	Aerial Lifts	Diesel	Tier 4 Final	1.00	8.00	67.0	0.31
6-Equipment , Structural Steel & Building Erection, Piping	Aerial Lifts	Electric	Average	5.00	8.00	46.0	0.31
6-Equipment , Structural Steel & Building Erection, Piping	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
6-Equipment , Structural Steel & Building Erection, Piping	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	10.0	0.48
6-Equipment , Structural Steel & Building Erection, Piping	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
6-Equipment , Structural Steel & Building Erection, Piping	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
7-Electrical & Instrumentation	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
7-Electrical & Instrumentation	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37
7-Electrical & Instrumentation	Aerial Lifts	Electric	Average	4.00	8.00	46.0	0.31

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7-Electrical & Instrumentation	Air Compressors	Diesel	Tier 4 Final	2.00	6.00	10.0	0.48
7-Electrical & Instrumentation	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
A3-Well Abandonment	Other General Industrial Equipment	Diesel	Tier 4 Final	4.00	8.00	200	0.29
A3-Well Abandonment	Graders	Diesel	Tier 4 Final	2.00	8.00	200	0.74
A3-Well Abandonment	Bore/Drill Rigs	Diesel	Tier 4 Final	3.00	8.00	550	0.37
A3-Well Abandonment	Excavators	Diesel	Tier 4 Final	2.00	8.00	250	0.38
A3-Well Abandonment	Cranes	Diesel	Tier 4 Final	4.00	7.00	320	0.29
A3-Well Abandonment	Pumps	Diesel	Tier 4 Final	4.00	8.00	550	0.74
A3-Well Abandonment	Other Construction Equipment	Diesel	Tier 4 Final	3.00	8.00	115	0.42
A3-Well Abandonment	Bore/Drill Rigs	Diesel	Tier 4 Final	3.00	8.00	450	0.50
A3-Well Abandonment	Off-Highway Trucks	Diesel	Tier 4 Final	4.00	8.00	320	0.38
A3-Well Abandonment	Welders	Diesel	Tier 4 Final	2.00	8.00	50.0	0.45
A5-Gas Pipeline	Excavators	Diesel	Tier 4 Final	8.00	8.00	346	0.38
A5-Gas Pipeline	Concrete/Industrial Saws	Diesel	Tier 4 Final	8.00	8.00	261	0.73
A5-Gas Pipeline	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	363	0.40
A5-Gas Pipeline	Other Construction Equipment	Diesel	Tier 4 Final	8.00	8.00	319	0.42
A5-Gas Pipeline	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	109	0.42
A5-Gas Pipeline	Welders	Diesel	Tier 4 Final	4.00	8.00	24.0	0.45
A5-Gas Pipeline	Graders	Diesel	Tier 4 Final	1.00	8.00	250	0.41
A5-Gas Pipeline	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
A5-Gas Pipeline	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	74.0	0.37
A5-Gas Pipeline	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	3.00	7.00	350	0.37
A5-Gas Pipeline	Skid Steer Loaders	Diesel	Tier 4 Final	3.00	8.00	65.0	0.37

A5-Gas Pipeline	Bore/Drill Rigs	Diesel	Tier 4 Final	1.00	8.00	173	0.50
A5-Gas Pipeline	Other General Industrial Equipment	Diesel	Tier 4 Final	3.00	8.00	23.0	0.34
A5-Gas Pipeline	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	22.0	0.74
A6-Electrical Interconnect	Air Compressors	Diesel	Tier 4 Final	2.00	6.00	10.0	0.48
A6-Electrical Interconnect	Forklifts	Diesel	Tier 4 Final	1.00	8.00	82.0	0.20
A6-Electrical Interconnect	Generator Sets	Diesel	Tier 4 Final	2.00	8.00	49.0	0.74
8-Paving	Rollers	Diesel	Tier 4 Final	1.00	8.00	125	0.38
9-Painting/Insulation	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	10.0	0.48
5-Trenching/Underground	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
5-Trenching/Underground	Pumps	Diesel	Tier 4 Final	2.00	8.00	11.0	0.74

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
2-Demo Existing Equipment & Piping	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
2-Demo Existing Equipment & Piping	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
2-Demo Existing Equipment & Piping	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
2-Demo Existing Equipment & Piping	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	2.00	0.48
2-Demo Existing Equipment & Piping	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
2-Demo Existing Equipment & Piping	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	65.0	0.37
2-Demo Existing Equipment & Piping	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38

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12-Decomissioning Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
12-Decomissioning Demolition	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
12-Decomissioning Demolition	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
12-Decomissioning Demolition	Aerial Lifts	Electric	Average	1.00	8.00	46.0	0.31
12-Decomissioning Demolition	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
12-Decomissioning Demolition	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
12-Decomissioning Demolition	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
12-Decomissioning Demolition	Generator Sets	Diesel	Tier 4 Final	1.00	8.00	49.0	0.74
12-Decomissioning Demolition	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37
12-Decomissioning Demolition	Welders	Electric	Average	3.00	8.00	46.0	0.45
12-Decomissioning Demolition	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
1-Subsurface Exploration	Bore/Drill Rigs	Diesel	Tier 4 Final	1.00	8.00	300	0.50
A4-Offsite Laydown Development	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
A4-Offsite Laydown Development	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
A4-Offsite Laydown Development	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	225	0.37
A4-Offsite Laydown Development	Welders	Diesel	Tier 4 Final	4.00	8.00	24.0	0.45
A4-Offsite Laydown Development	Excavators	Diesel	Tier 4 Final	3.00	8.00	443	0.38

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A4-Offsite Laydown Development	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
A4-Offsite Laydown Development	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
A4-Offsite Laydown Development	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	2.00	0.48
A4-Offsite Laydown Development	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
A4-Offsite Laydown Development	Graders	Diesel	Tier 4 Final	1.00	8.00	250	0.41
A4-Offsite Laydown Development	Rollers	Diesel	Tier 4 Final	1.00	8.00	125	0.38
A4-Offsite Laydown Development	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	74.0	0.37
A4-Offsite Laydown Development	Bore/Drill Rigs	Diesel	Tier 4 Final	1.00	8.00	300	0.50
A4-Offsite Laydown Development	Skid Steer Loaders	Diesel	Average	1.00	8.00	65.0	0.37
A4-Offsite Laydown Development	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
A4-Offsite Laydown Development	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
A1-Site Assessment	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
A1-Site Assessment	Bore/Drill Rigs	Diesel	Tier 4 Final	1.00	8.00	300	0.50
A2-Soil Remediation	Excavators	Diesel	Tier 4 Final	1.00	8.00	346	0.38
A2-Soil Remediation	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
A2-Soil Remediation	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
A2-Soil Remediation	Generator Sets	Diesel	Tier 4 Final	1.00	6.00	49.0	0.74
3-Site Preparation/ Rough Grading	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
3-Site Preparation/ Rough Grading	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38

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3-Site Preparation/ Rough Grading	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	2.00	0.48
3-Site Preparation/ Rough Grading	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
4-Foundations	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
4-Foundations	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
4-Foundations	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
4-Foundations	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
4-Foundations	Excavators	Diesel	Tier 4 Final	1.00	8.00	346	0.38
4-Foundations	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
4-Foundations	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	170	0.40
10-Commissioning / Startup and Testing	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
10-Commissioning / Startup and Testing	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
10-Commissioning / Startup and Testing	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
10-Commissioning / Startup and Testing	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37
10-Commissioning / Startup and Testing	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
10-Commissioning / Startup and Testing	Welders	Electric	Average	3.00	8.00	46.0	0.45
10-Commissioning / Startup and Testing	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
10-Commissioning / Startup and Testing	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
10-Commissioning / Startup and Testing	Aerial Lifts	Electric	Average	4.00	8.00	46.0	0.31

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6-Equipment , Structural Steel & Building Erection, Piping	Cranes	Diesel	Tier 4 Final	1.00	7.00	200	0.29
6-Equipment , Structural Steel & Building Erection, Piping	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
6-Equipment , Structural Steel & Building Erection, Piping	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37
6-Equipment , Structural Steel & Building Erection, Piping	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
6-Equipment , Structural Steel & Building Erection, Piping	Cranes	Diesel	Tier 4 Final	2.00	7.00	275	0.29
6-Equipment , Structural Steel & Building Erection, Piping	Forklifts	Diesel	Tier 4 Final	1.00	8.00	122	0.20
6-Equipment , Structural Steel & Building Erection, Piping	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
6-Equipment , Structural Steel & Building Erection, Piping	Welders	Electric	Average	5.00	8.00	46.0	0.45
6-Equipment , Structural Steel & Building Erection, Piping	Aerial Lifts	Diesel	Tier 4 Final	1.00	8.00	67.0	0.31
6-Equipment , Structural Steel & Building Erection, Piping	Aerial Lifts	Electric	Average	5.00	8.00	46.0	0.31

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6-Equipment , Structural Steel & Building Erection, Piping	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
6-Equipment , Structural Steel & Building Erection, Piping	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	10.0	0.48
6-Equipment , Structural Steel & Building Erection, Piping	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
6-Equipment , Structural Steel & Building Erection, Piping	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
7-Electrical & Instrumentation	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
7-Electrical & Instrumentation	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37
7-Electrical & Instrumentation	Aerial Lifts	Electric	Average	4.00	8.00	46.0	0.31
7-Electrical & Instrumentation	Air Compressors	Diesel	Tier 4 Final	2.00	6.00	10.0	0.48
7-Electrical & Instrumentation	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
A3-Well Abandonment	Other General Industrial Equipment	Diesel	Tier 4 Final	4.00	8.00	200	0.29
A3-Well Abandonment	Graders	Diesel	Tier 4 Final	2.00	8.00	200	0.74
A3-Well Abandonment	Bore/Drill Rigs	Diesel	Tier 4 Final	3.00	8.00	550	0.37
A3-Well Abandonment	Excavators	Diesel	Tier 4 Final	2.00	8.00	250	0.38
A3-Well Abandonment	Cranes	Diesel	Tier 4 Final	4.00	7.00	320	0.29
A3-Well Abandonment	Pumps	Diesel	Tier 4 Final	4.00	8.00	550	0.74
A3-Well Abandonment	Other Construction Equipment	Diesel	Tier 4 Final	3.00	8.00	115	0.42

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A3-Well Abandonment	Bore/Drill Rigs	Diesel	Tier 4 Final	3.00	8.00	450	0.50
A3-Well Abandonment	Off-Highway Trucks	Diesel	Tier 4 Final	4.00	8.00	320	0.38
A3-Well Abandonment	Welders	Diesel	Tier 4 Final	2.00	8.00	50.0	0.45
A5-Gas Pipeline	Excavators	Diesel	Tier 4 Final	8.00	8.00	346	0.38
A5-Gas Pipeline	Concrete/Industrial Saws	Diesel	Tier 4 Final	8.00	8.00	261	0.73
A5-Gas Pipeline	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	363	0.40
A5-Gas Pipeline	Other Construction Equipment	Diesel	Tier 4 Final	8.00	8.00	319	0.42
A5-Gas Pipeline	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	109	0.42
A5-Gas Pipeline	Welders	Diesel	Tier 4 Final	4.00	8.00	24.0	0.45
A5-Gas Pipeline	Graders	Diesel	Tier 4 Final	1.00	8.00	250	0.41
A5-Gas Pipeline	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
A5-Gas Pipeline	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	74.0	0.37
A5-Gas Pipeline	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	3.00	7.00	350	0.37
A5-Gas Pipeline	Skid Steer Loaders	Diesel	Tier 4 Final	3.00	8.00	65.0	0.37
A5-Gas Pipeline	Bore/Drill Rigs	Diesel	Tier 4 Final	1.00	8.00	173	0.50
A5-Gas Pipeline	Other General Industrial Equipment	Diesel	Tier 4 Final	3.00	8.00	23.0	0.34
A5-Gas Pipeline	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	22.0	0.74
A6-Electrical Interconnect	Air Compressors	Diesel	Tier 4 Final	2.00	6.00	10.0	0.48
A6-Electrical Interconnect	Forklifts	Diesel	Tier 4 Final	1.00	8.00	82.0	0.20
A6-Electrical Interconnect	Generator Sets	Diesel	Tier 4 Final	2.00	8.00	49.0	0.74
8-Paving	Rollers	Diesel	Tier 4 Final	1.00	8.00	125	0.38
9-Painting/Insulation	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	10.0	0.48

5-Trenching/Underground	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
5-Trenching/Underground	Pumps	Diesel	Tier 4 Final	2.00	8.00	11.0	0.74

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
1-Subsurface Exploration	—	—	—	—
1-Subsurface Exploration	Worker	28.0	10.0	LDA,LDT1,LDT2
1-Subsurface Exploration	Vendor	8.00	10.0	HHDT,MHDT
1-Subsurface Exploration	Hauling	5.00	43.0	HHDT
1-Subsurface Exploration	Onsite truck	—	—	HHDT
3-Site Preparation/ Rough Grading	—	—	—	—
3-Site Preparation/ Rough Grading	Worker	30.0	10.0	LDA,LDT1,LDT2
3-Site Preparation/ Rough Grading	Vendor	10.0	10.0	HHDT,MHDT
3-Site Preparation/ Rough Grading	Hauling	52.0	43.0	HHDT
3-Site Preparation/ Rough Grading	Onsite truck	—	—	HHDT
4-Foundations	—	—	—	—
4-Foundations	Worker	68.0	10.0	LDA,LDT1,LDT2
4-Foundations	Vendor	16.0	10.0	HHDT,MHDT
4-Foundations	Hauling	10.0	43.0	HHDT
4-Foundations	Onsite truck	—	—	HHDT
5-Trenching/Undergrounds	—	—	—	—
5-Trenching/Undergrounds	Worker	46.0	10.0	LDA,LDT1,LDT2
5-Trenching/Undergrounds	Vendor	2.00	10.0	HHDT,MHDT
5-Trenching/Undergrounds	Hauling	9.00	43.0	HHDT
5-Trenching/Undergrounds	Onsite truck	—	—	HHDT

6-Equipment , Structural Steel & Building Erection, Piping	—	—	—	—
6-Equipment , Structural Steel & Building Erection, Piping	Worker	78.0	10.0	LDA,LDT1,LDT2
6-Equipment , Structural Steel & Building Erection, Piping	Vendor	22.0	10.0	HHDT,MHDT
6-Equipment , Structural Steel & Building Erection, Piping	Hauling	1.00	43.0	HHDT
6-Equipment , Structural Steel & Building Erection, Piping	Onsite truck	—	—	HHDT
7-Electrical & Instrumentation	—	—	—	—
7-Electrical & Instrumentation	Worker	36.0	10.0	LDA,LDT1,LDT2
7-Electrical & Instrumentation	Vendor	16.0	10.0	HHDT,MHDT
7-Electrical & Instrumentation	Hauling	1.00	43.0	HHDT
7-Electrical & Instrumentation	Onsite truck	—	—	HHDT
2-Demo Existing Equipment & Piping	—	—	—	—
2-Demo Existing Equipment & Piping	Worker	27.0	10.0	LDA,LDT1,LDT2
2-Demo Existing Equipment & Piping	Vendor	8.00	10.0	HHDT,MHDT
2-Demo Existing Equipment & Piping	Hauling	14.0	45.0	HHDT
2-Demo Existing Equipment & Piping	Onsite truck	—	—	HHDT
8-Paving	—	—	—	—
8-Paving	Worker	22.0	10.0	LDA,LDT1,LDT2
8-Paving	Vendor	—	10.0	HHDT,MHDT
8-Paving	Hauling	12.0	43.0	HHDT
8-Paving	Onsite truck	—	—	HHDT
12-Decomissioning Demolition	—	—	—	—
12-Decomissioning Demolition	Worker	28.0	10.0	LDA,LDT1,LDT2
12-Decomissioning Demolition	Vendor	18.0	10.0	HHDT,MHDT
12-Decomissioning Demolition	Hauling	3.00	20.0	HHDT
12-Decomissioning Demolition	Onsite truck	—	—	HHDT

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10-Commissioning / Startup and Testing	—	—	—	—
10-Commissioning / Startup and Testing	Worker	28.0	10.0	LDA,LDT1,LDT2
10-Commissioning / Startup and Testing	Vendor	12.0	10.0	HHDT,MHDT
10-Commissioning / Startup and Testing	Hauling	3.00	43.0	HHDT
10-Commissioning / Startup and Testing	Onsite truck	—	—	HHDT
9-Painting/Insulation	—	—	—	—
9-Painting/Insulation	Worker	4.00	10.0	LDA,LDT1,LDT2
9-Painting/Insulation	Vendor	—	10.0	HHDT,MHDT
9-Painting/Insulation	Hauling	9.00	43.0	HHDT
9-Painting/Insulation	Onsite truck	—	—	HHDT
11-Post Construction / Site Restoration	—	—	—	—
11-Post Construction / Site Restoration	Worker	28.0	10.0	LDA,LDT1,LDT2
11-Post Construction / Site Restoration	Vendor	0.00	0.00	HHDT,MHDT
11-Post Construction / Site Restoration	Hauling	14.0	43.0	HHDT
11-Post Construction / Site Restoration	Onsite truck	—	—	HHDT
A4-Offsite Laydown Development	—	—	—	—
A4-Offsite Laydown Development	Worker	11.0	10.0	LDA,LDT1,LDT2
A4-Offsite Laydown Development	Vendor	18.0	10.0	HHDT,MHDT
A4-Offsite Laydown Development	Hauling	0.00	43.0	HHDT
A4-Offsite Laydown Development	Onsite truck	—	—	HHDT
A3-Well Abandonment	—	—	—	—
A3-Well Abandonment	Worker	70.0	10.0	LDA,LDT1,LDT2

A3-Well Abandonment	Vendor	49.0	10.0	HHDT,MHDT
A3-Well Abandonment	Hauling	30.0	43.0	HHDT
A3-Well Abandonment	Onsite truck	—	—	HHDT
A1-Site Assessment	—	—	—	—
A1-Site Assessment	Worker	12.0	10.0	LDA,LDT1,LDT2
A1-Site Assessment	Vendor	4.00	10.0	HHDT,MHDT
A1-Site Assessment	Hauling	0.00	46.0	HHDT
A1-Site Assessment	Onsite truck	—	—	HHDT
A2-Soil Remediation	—	—	—	—
A2-Soil Remediation	Worker	18.0	10.0	LDA,LDT1,LDT2
A2-Soil Remediation	Vendor	12.0	10.0	HHDT,MHDT
A2-Soil Remediation	Hauling	20.0	20.0	HHDT
A2-Soil Remediation	Onsite truck	—	—	HHDT
A5-Gas Pipeline	—	—	—	—
A5-Gas Pipeline	Worker	135	10.0	LDA,LDT1,LDT2
A5-Gas Pipeline	Vendor	20.0	10.0	HHDT,MHDT
A5-Gas Pipeline	Hauling	7.00	44.0	HHDT
A5-Gas Pipeline	Onsite truck	—	—	HHDT
A6-Electrical Interconnect	—	—	—	—
A6-Electrical Interconnect	Worker	27.0	10.0	LDA,LDT1,LDT2
A6-Electrical Interconnect	Vendor	16.0	10.0	HHDT,MHDT
A6-Electrical Interconnect	Hauling	4.00	45.0	HHDT
A6-Electrical Interconnect	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
1-Subsurface Exploration	—	—	—	—
1-Subsurface Exploration	Worker	28.0	10.0	LDA,LDT1,LDT2

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1-Subsurface Exploration	Vendor	8.00	10.0	HHDT,MHDT
1-Subsurface Exploration	Hauling	5.00	43.0	HHDT
1-Subsurface Exploration	Onsite truck	—	—	HHDT
3-Site Preparation/ Rough Grading	—	—	—	—
3-Site Preparation/ Rough Grading	Worker	30.0	10.0	LDA,LDT1,LDT2
3-Site Preparation/ Rough Grading	Vendor	10.0	10.0	HHDT,MHDT
3-Site Preparation/ Rough Grading	Hauling	52.0	43.0	HHDT
3-Site Preparation/ Rough Grading	Onsite truck	—	—	HHDT
4-Foundations	—	—	—	—
4-Foundations	Worker	68.0	10.0	LDA,LDT1,LDT2
4-Foundations	Vendor	16.0	10.0	HHDT,MHDT
4-Foundations	Hauling	10.0	43.0	HHDT
4-Foundations	Onsite truck	—	—	HHDT
5-Trenching/Undergrounds	—	—	—	—
5-Trenching/Undergrounds	Worker	46.0	10.0	LDA,LDT1,LDT2
5-Trenching/Undergrounds	Vendor	2.00	10.0	HHDT,MHDT
5-Trenching/Undergrounds	Hauling	9.00	43.0	HHDT
5-Trenching/Undergrounds	Onsite truck	—	—	HHDT
6-Equipment , Structural Steel & Building Erection, Piping	—	—	—	—
6-Equipment , Structural Steel & Building Erection, Piping	Worker	78.0	10.0	LDA,LDT1,LDT2
6-Equipment , Structural Steel & Building Erection, Piping	Vendor	22.0	10.0	HHDT,MHDT
6-Equipment , Structural Steel & Building Erection, Piping	Hauling	1.00	43.0	HHDT
6-Equipment , Structural Steel & Building Erection, Piping	Onsite truck	—	—	HHDT
7-Electrical & Instrumentation	—	—	—	—
7-Electrical & Instrumentation	Worker	36.0	10.0	LDA,LDT1,LDT2

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7-Electrical & Instrumentation	Vendor	16.0	10.0	HHDT,MHDT
7-Electrical & Instrumentation	Hauling	1.00	43.0	HHDT
7-Electrical & Instrumentation	Onsite truck	—	—	HHDT
2-Demo Existing Equipment & Piping	—	—	—	—
2-Demo Existing Equipment & Piping	Worker	27.0	10.0	LDA,LDT1,LDT2
2-Demo Existing Equipment & Piping	Vendor	8.00	10.0	HHDT,MHDT
2-Demo Existing Equipment & Piping	Hauling	14.0	45.0	HHDT
2-Demo Existing Equipment & Piping	Onsite truck	—	—	HHDT
8-Paving	—	—	—	—
8-Paving	Worker	22.0	10.0	LDA,LDT1,LDT2
8-Paving	Vendor	—	10.0	HHDT,MHDT
8-Paving	Hauling	12.0	43.0	HHDT
8-Paving	Onsite truck	—	—	HHDT
12-Decomissioning Demolition	—	—	—	—
12-Decomissioning Demolition	Worker	28.0	10.0	LDA,LDT1,LDT2
12-Decomissioning Demolition	Vendor	18.0	10.0	HHDT,MHDT
12-Decomissioning Demolition	Hauling	3.00	20.0	HHDT
12-Decomissioning Demolition	Onsite truck	—	—	HHDT
10-Commissioning / Startup and Testing	—	—	—	—
10-Commissioning / Startup and Testing	Worker	28.0	10.0	LDA,LDT1,LDT2
10-Commissioning / Startup and Testing	Vendor	12.0	10.0	HHDT,MHDT
10-Commissioning / Startup and Testing	Hauling	3.00	43.0	HHDT
10-Commissioning / Startup and Testing	Onsite truck	—	—	HHDT
9-Painting/Insulation	—	—	—	—
9-Painting/Insulation	Worker	4.00	10.0	LDA,LDT1,LDT2

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9-Painting/Insulation	Vendor	—	10.0	HHDT,MHDT
9-Painting/Insulation	Hauling	9.00	43.0	HHDT
9-Painting/Insulation	Onsite truck	—	—	HHDT
11-Post Construction / Site Restoration	—	—	—	—
11-Post Construction / Site Restoration	Worker	28.0	10.0	LDA,LDT1,LDT2
11-Post Construction / Site Restoration	Vendor	0.00	0.00	HHDT,MHDT
11-Post Construction / Site Restoration	Hauling	14.0	43.0	HHDT
11-Post Construction / Site Restoration	Onsite truck	—	—	HHDT
A4-Offsite Laydown Development	—	—	—	—
A4-Offsite Laydown Development	Worker	11.0	10.0	LDA,LDT1,LDT2
A4-Offsite Laydown Development	Vendor	18.0	10.0	HHDT,MHDT
A4-Offsite Laydown Development	Hauling	0.00	43.0	HHDT
A4-Offsite Laydown Development	Onsite truck	—	—	HHDT
A3-Well Abandonment	—	—	—	—
A3-Well Abandonment	Worker	70.0	10.0	LDA,LDT1,LDT2
A3-Well Abandonment	Vendor	49.0	10.0	HHDT,MHDT
A3-Well Abandonment	Hauling	30.0	43.0	HHDT
A3-Well Abandonment	Onsite truck	—	—	HHDT
A1-Site Assessment	—	—	—	—
A1-Site Assessment	Worker	12.0	10.0	LDA,LDT1,LDT2
A1-Site Assessment	Vendor	4.00	10.0	HHDT,MHDT
A1-Site Assessment	Hauling	0.00	46.0	HHDT
A1-Site Assessment	Onsite truck	—	—	HHDT
A2-Soil Remediation	—	—	—	—
A2-Soil Remediation	Worker	18.0	10.0	LDA,LDT1,LDT2

A2-Soil Remediation	Vendor	12.0	10.0	HHDT,MHDT
A2-Soil Remediation	Hauling	20.0	20.0	HHDT
A2-Soil Remediation	Onsite truck	—	—	HHDT
A5-Gas Pipeline	—	—	—	—
A5-Gas Pipeline	Worker	135	10.0	LDA,LDT1,LDT2
A5-Gas Pipeline	Vendor	20.0	10.0	HHDT,MHDT
A5-Gas Pipeline	Hauling	7.00	44.0	HHDT
A5-Gas Pipeline	Onsite truck	—	—	HHDT
A6-Electrical Interconnect	—	—	—	—
A6-Electrical Interconnect	Worker	27.0	10.0	LDA,LDT1,LDT2
A6-Electrical Interconnect	Vendor	16.0	10.0	HHDT,MHDT
A6-Electrical Interconnect	Hauling	4.00	45.0	HHDT
A6-Electrical Interconnect	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
9-Painting/Insulation	0.00	0.00	34,524	11,508	20,626

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
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2-Demo Existing Equipment & Piping	0.00	0.00	0.00	20,390	—
12-Decommissioning Demolition	0.00	0.00	0.00	19,000	—
1-Subsurface Exploration	—	500	0.00	0.00	—
A4-Offsite Laydown Development	—	—	24.0	0.00	—
A1-Site Assessment	—	—	0.00	0.00	—
A2-Soil Remediation	—	—	0.00	0.00	—
3-Site Preparation/ Rough Grading	—	1,500	26.0	0.00	—
8-Paving	0.00	0.00	0.00	0.00	7.89

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
General Heavy Industry	0.00	0%
General Heavy Industry	0.00	0%
General Heavy Industry	0.00	0%
General Heavy Industry	0.00	0%
General Office Building	0.00	0%
Other Asphalt Surfaces	7.89	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2029	0.00	532	0.03	< 0.005
2035	0.00	532	0.03	< 0.005
2036	1,141	532	0.03	< 0.005
2037	2,289	532	0.03	< 0.005
2038	809	532	0.03	< 0.005
2039	553	532	0.03	< 0.005
2030	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

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

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

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

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	15.6	annual days of extreme heat
Extreme Precipitation	8.00	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	49.8	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about $\frac{3}{4}$ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	26.8
AQ-PM	16.7
AQ-DPM	10.5
Drinking Water	44.8
Lead Risk Housing	57.6
Pesticides	88.4
Toxic Releases	14.3
Traffic	75.0
Effect Indicators	—
CleanUp Sites	71.9
Groundwater	67.0
Haz Waste Facilities/Generators	76.4
Impaired Water Bodies	90.1
Solid Waste	80.0
Sensitive Population	—
Asthma	54.1
Cardio-vascular	19.2
Low Birth Weights	—
Socioeconomic Factor Indicators	—

Education	—
Housing	78.5
Linguistic	—
Poverty	27.3
Unemployment	—

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	—
Employed	—
Median HI	—
Education	—
Bachelor's or higher	—
High school enrollment	—
Preschool enrollment	—
Transportation	—
Auto Access	—
Active commuting	—
Social	—
2-parent households	—
Voting	—
Neighborhood	—
Alcohol availability	—
Park access	—
Retail density	—
Supermarket access	—

Tree canopy	—
Housing	—
Homeownership	—
Housing habitability	—
Low-inc homeowner severe housing cost burden	—
Low-inc renter severe housing cost burden	—
Uncrowded housing	—
Health Outcomes	—
Insured adults	—
Arthritis	0.0
Asthma ER Admissions	53.7
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	0.0
Cognitively Disabled	9.6
Physically Disabled	12.2
Heart Attack ER Admissions	59.2
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	0.0
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—

Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	67.7
SLR Inundation Area	33.8
Children	72.4
Elderly	24.3
English Speaking	0.0
Foreign-born	0.0
Outdoor Workers	18.4
Climate Change Adaptive Capacity	—
Impervious Surface Cover	87.4
Traffic Density	0.0
Traffic Access	23.0
Other Indices	—
Hardship	0.0
Other Decision Support	—
2016 Voting	0.0

7.3. Overall Health & Equity Scores

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

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Project Specific
Construction: Off-Road Equipment	Project Specific
Construction: Trips and VMT	Project specific
Construction: Dust From Material Movement	Project specific
Construction: Off-Road Equipment EF	Default EFs

ATTACHMENT A.3 – GHG EMISSIONS

SCG-VCM Project - Devils Canyon Site- GHGs- Individual Phases Detailed Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	SCG-VCM Project - Devils Canyon Site- GHGs- Individual Phases
Construction Start Date	8/16/2029
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.20
Precipitation (days)	2.20
Location	34.31374359, -119.29985809
County	Ventura
City	Unincorporated
Air District	Ventura County APCD
Air Basin	South Central Coast
TAZ	3406
EDFZ	8
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
General Heavy Industry	5.46	1000sqft	0.13	5,459	0.00	—	—	—

General Heavy Industry	10.5	1000sqft	0.24	10,458	0.00	—	—	—
General Heavy Industry	2.02	1000sqft	0.05	2,016	0.00	—	—	—
General Heavy Industry	0.44	1000sqft	0.01	442	0.00	—	—	—
General Office Building	4.64	1000sqft	0.11	4,641	0.00	—	—	—
Other Asphalt Surfaces	344	1000sqft	7.89	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-10-C	Water Unpaved Construction Roads
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-12	Sweep Paved Roads

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.68	47.6	327	0.50	1.24	6.53	7.50	1.24	1.22	2.19	—	54,336	54,336	2.11	1.37	14.7	54,633
Mit.	6.68	47.6	327	0.50	1.24	6.53	7.50	1.24	1.22	2.19	—	54,336	54,336	2.11	1.37	14.7	54,633
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.89	45.1	281	0.44	1.11	8.85	9.96	1.11	1.86	2.97	—	48,373	48,373	1.73	1.80	0.38	48,951
Mit.	5.89	45.1	281	0.44	1.11	8.85	9.96	1.11	1.86	2.97	—	48,373	48,373	1.73	1.80	0.38	48,951
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.09	16.5	102	0.15	0.39	1.73	2.12	0.39	0.36	0.75	—	16,807	16,807	0.64	0.37	1.61	16,925
Mit.	2.09	16.5	102	0.15	0.39	1.73	2.12	0.39	0.36	0.75	—	16,807	16,807	0.64	0.37	1.61	16,925
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.38	3.01	18.5	0.03	0.07	0.32	0.39	0.07	0.07	0.14	—	2,783	2,783	0.11	0.06	0.27	2,802
Mit.	0.38	3.01	18.5	0.03	0.07	0.32	0.39	0.07	0.07	0.14	—	2,783	2,783	0.11	0.06	0.27	2,802
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	4.94	34.6	242	0.35	0.98	2.66	3.65	0.98	0.72	1.70	—	39,223	39,223	1.41	1.37	14.7	39,679
2030	4.40	29.1	220	0.29	0.88	2.07	2.96	0.88	0.56	1.44	—	33,104	33,104	1.21	1.04	10.2	33,453
2035	6.68	47.6	327	0.50	1.24	6.53	7.50	1.24	1.22	2.19	—	54,336	54,336	2.11	0.81	4.82	54,633
2036	2.11	25.9	87.2	0.19	0.33	2.70	3.03	0.33	0.69	1.03	—	20,304	20,304	0.69	0.71	5.09	20,539
2037	0.78	9.76	35.0	0.07	0.12	0.43	0.55	0.12	0.11	0.23	—	7,265	7,265	0.28	0.13	0.58	7,310

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2038	0.49	8.45	20.7	0.04	0.07	0.74	0.77	0.07	0.20	0.23	—	4,366	4,366	0.16	0.24	1.33	4,406
2039	0.43	6.89	18.4	0.04	0.06	0.58	0.65	0.06	0.13	0.19	—	4,004	4,004	0.15	0.11	0.42	4,040
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	4.91	34.9	242	0.35	0.98	2.66	3.65	0.98	0.72	1.70	—	39,199	39,199	1.41	1.37	0.38	39,642
2030	4.89	34.5	242	0.35	0.98	2.66	3.65	0.98	0.72	1.70	—	38,983	38,983	1.41	1.31	0.34	39,410
2035	5.89	45.1	281	0.44	1.11	8.85	9.96	1.11	1.86	2.97	—	48,373	48,373	1.73	1.80	0.31	48,951
2036	5.87	44.9	280	0.42	1.06	2.89	3.95	1.06	0.73	1.80	—	45,755	45,755	1.73	0.89	0.13	46,063
2037	1.74	22.3	75.1	0.15	0.27	1.43	1.70	0.27	0.36	0.63	—	16,070	16,070	0.59	0.38	0.05	16,198
2038	5.84	12.9	27.3	0.07	0.13	1.42	1.54	0.13	0.38	0.50	—	7,593	7,593	0.22	0.49	0.06	7,745
2039	—	—	—	—	—	—	—	—	—	—	—	4.33	4.33	< 0.005	< 0.005	—	4.35
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	1.30	9.09	64.1	0.09	0.26	0.68	0.94	0.26	0.18	0.44	—	10,240	10,240	0.37	0.35	1.61	10,355
2030	1.03	7.14	51.2	0.07	0.21	0.53	0.74	0.21	0.14	0.35	—	8,060	8,060	0.29	0.27	1.14	8,148
2035	2.09	15.0	102	0.15	0.39	1.73	2.12	0.39	0.36	0.75	—	16,807	16,807	0.64	0.34	0.87	16,925
2036	1.63	16.5	73.1	0.13	0.27	1.33	1.61	0.27	0.34	0.62	—	14,064	14,064	0.51	0.37	1.05	14,188
2037	0.64	7.90	27.1	0.06	0.10	0.42	0.52	0.10	0.11	0.20	—	5,746	5,746	0.22	0.12	0.27	5,788
2038	0.73	2.72	5.97	0.02	0.02	0.24	0.26	0.02	0.06	0.09	—	1,509	1,509	0.05	0.08	0.17	1,534
2039	0.08	1.29	3.42	0.01	0.01	0.11	0.12	0.01	0.02	0.04	—	745	745	0.03	0.02	0.03	751
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	0.24	1.66	11.7	0.02	0.05	0.12	0.17	0.05	0.03	0.08	—	1,695	1,695	0.06	0.06	0.27	1,714
2030	0.19	1.30	9.34	0.01	0.04	0.10	0.14	0.04	0.03	0.06	—	1,334	1,334	0.05	0.04	0.19	1,349
2035	0.38	2.75	18.5	0.03	0.07	0.32	0.39	0.07	0.07	0.14	—	2,783	2,783	0.11	0.06	0.14	2,802
2036	0.30	3.01	13.3	0.02	0.05	0.24	0.29	0.05	0.06	0.11	—	2,328	2,328	0.08	0.06	0.17	2,349
2037	0.12	1.44	4.95	0.01	0.02	0.08	0.10	0.02	0.02	0.04	—	951	951	0.04	0.02	0.04	958
2038	0.13	0.50	1.09	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.02	—	250	250	0.01	0.01	0.03	254
2039	0.01	0.24	0.62	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	123	123	< 0.005	< 0.005	0.01	124

2.3. Construction Emissions by Year, Mitigated

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

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	4.94	34.6	242	0.35	0.98	2.66	3.65	0.98	0.72	1.70	—	39,223	39,223	1.41	1.37	14.7	39,679
2030	4.40	29.1	220	0.29	0.88	2.07	2.96	0.88	0.56	1.44	—	33,104	33,104	1.21	1.04	10.2	33,453
2035	6.68	47.6	327	0.50	1.24	6.53	7.50	1.24	1.22	2.19	—	54,336	54,336	2.11	0.81	4.82	54,633
2036	2.11	25.9	87.2	0.19	0.33	2.70	3.03	0.33	0.69	1.03	—	20,304	20,304	0.69	0.71	5.09	20,539
2037	0.78	9.76	35.0	0.07	0.12	0.43	0.55	0.12	0.11	0.23	—	7,265	7,265	0.28	0.13	0.58	7,310
2038	0.49	8.45	20.7	0.04	0.07	0.74	0.77	0.07	0.20	0.23	—	4,366	4,366	0.16	0.24	1.33	4,406
2039	0.43	6.89	18.4	0.04	0.06	0.58	0.65	0.06	0.13	0.19	—	4,004	4,004	0.15	0.11	0.42	4,040
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	4.91	34.9	242	0.35	0.98	2.66	3.65	0.98	0.72	1.70	—	39,199	39,199	1.41	1.37	0.38	39,642
2030	4.89	34.5	242	0.35	0.98	2.66	3.65	0.98	0.72	1.70	—	38,983	38,983	1.41	1.31	0.34	39,410
2035	5.89	45.1	281	0.44	1.11	8.85	9.96	1.11	1.86	2.97	—	48,373	48,373	1.73	1.80	0.31	48,951
2036	5.87	44.9	280	0.42	1.06	2.89	3.95	1.06	0.73	1.80	—	45,755	45,755	1.73	0.89	0.13	46,063
2037	1.74	22.3	75.1	0.15	0.27	1.43	1.70	0.27	0.36	0.63	—	16,070	16,070	0.59	0.38	0.05	16,198
2038	5.84	12.9	27.3	0.07	0.13	1.42	1.54	0.13	0.38	0.50	—	7,593	7,593	0.22	0.49	0.06	7,745
2039	—	—	—	—	—	—	—	—	—	—	—	4.33	4.33	< 0.005	< 0.005	—	4.35
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	1.30	9.09	64.1	0.09	0.26	0.68	0.94	0.26	0.18	0.44	—	10,240	10,240	0.37	0.35	1.61	10,355
2030	1.03	7.14	51.2	0.07	0.21	0.53	0.74	0.21	0.14	0.35	—	8,060	8,060	0.29	0.27	1.14	8,148
2035	2.09	15.0	102	0.15	0.39	1.73	2.12	0.39	0.36	0.75	—	16,807	16,807	0.64	0.34	0.87	16,925
2036	1.63	16.5	73.1	0.13	0.27	1.33	1.61	0.27	0.34	0.62	—	14,064	14,064	0.51	0.37	1.05	14,188
2037	0.64	7.90	27.1	0.06	0.10	0.42	0.52	0.10	0.11	0.20	—	5,746	5,746	0.22	0.12	0.27	5,788

2038	0.73	2.72	5.97	0.02	0.02	0.24	0.26	0.02	0.06	0.09	—	1,509	1,509	0.05	0.08	0.17	1,534
2039	0.08	1.29	3.42	0.01	0.01	0.11	0.12	0.01	0.02	0.04	—	745	745	0.03	0.02	0.03	751
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	0.24	1.66	11.7	0.02	0.05	0.12	0.17	0.05	0.03	0.08	—	1,695	1,695	0.06	0.06	0.27	1,714
2030	0.19	1.30	9.34	0.01	0.04	0.10	0.14	0.04	0.03	0.06	—	1,334	1,334	0.05	0.04	0.19	1,349
2035	0.38	2.75	18.5	0.03	0.07	0.32	0.39	0.07	0.07	0.14	—	2,783	2,783	0.11	0.06	0.14	2,802
2036	0.30	3.01	13.3	0.02	0.05	0.24	0.29	0.05	0.06	0.11	—	2,328	2,328	0.08	0.06	0.17	2,349
2037	0.12	1.44	4.95	0.01	0.02	0.08	0.10	0.02	0.02	0.04	—	951	951	0.04	0.02	0.04	958
2038	0.13	0.50	1.09	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.02	—	250	250	0.01	0.01	0.03	254
2039	0.01	0.24	0.62	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	123	123	< 0.005	< 0.005	0.01	124

3. Construction Emissions Details

3.1. 2-Demo Existing Equipment & Piping (2035) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	4.67	20.3	0.04	0.07	—	0.07	0.07	—	0.07	—	3,718	3,718	0.15	0.03	—	3,731
Demolition	—	—	—	—	—	4.30	4.30	—	0.65	0.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	4.67	20.3	0.04	0.07	—	0.07	0.07	—	0.07	—	3,718	3,718	0.15	0.03	—	3,731

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Demoliti	—	—	—	—	—	4.30	4.30	—	0.65	0.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.86	3.72	0.01	0.01	—	0.01	0.01	—	0.01	—	683	683	0.03	0.01	—	685
Demoliti on	—	—	—	—	—	0.79	0.79	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.16	0.68	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	113	113	< 0.005	< 0.005	—	113
Demoliti on	—	—	—	—	—	0.14	0.14	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.55	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	168	168	< 0.005	< 0.005	0.25	169
Vendor	< 0.005	0.19	0.07	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	180	180	< 0.005	0.03	0.17	189
Hauling	0.02	1.71	0.42	0.01	0.03	0.57	0.60	0.03	0.16	0.19	—	1,650	1,650	0.02	0.27	1.84	1,732
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.52	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	161	161	< 0.005	< 0.005	0.01	162
Vendor	< 0.005	0.20	0.07	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	181	181	< 0.005	0.03	< 0.005	189
Hauling	0.02	1.78	0.42	0.01	0.03	0.57	0.60	0.03	0.16	0.19	—	1,651	1,651	0.02	0.27	0.05	1,731
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01	0.01	0.09	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	29.8	29.8	< 0.005	< 0.005	0.02	29.9
Vendor	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	33.1	33.1	< 0.005	0.01	0.01	34.7
Hauling	< 0.005	0.33	0.08	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	303	303	< 0.005	0.05	0.15	318
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.93	4.93	< 0.005	< 0.005	< 0.005	4.95
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.48	5.48	< 0.005	< 0.005	< 0.005	5.74
Hauling	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	50.2	50.2	< 0.005	0.01	0.02	52.6

3.2. 2-Demo Existing Equipment & Piping (2035) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	4.67	20.3	0.04	0.07	—	0.07	0.07	—	0.07	—	3,718	3,718	0.15	0.03	—	3,731
Demolition	—	—	—	—	—	4.30	4.30	—	0.65	0.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	4.67	20.3	0.04	0.07	—	0.07	0.07	—	0.07	—	3,718	3,718	0.15	0.03	—	3,731
Demolition	—	—	—	—	—	4.30	4.30	—	0.65	0.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.07	0.86	3.72	0.01	0.01	—	0.01	0.01	—	0.01	—	683	683	0.03	0.01	—	685
Demolition	—	—	—	—	—	0.79	0.79	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.16	0.68	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	113	113	< 0.005	< 0.005	—	113
Demolition	—	—	—	—	—	0.14	0.14	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.55	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	168	168	< 0.005	< 0.005	0.25	169
Vendor	< 0.005	0.19	0.07	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	180	180	< 0.005	0.03	0.17	189
Hauling	0.02	1.71	0.42	0.01	0.03	0.57	0.60	0.03	0.16	0.19	—	1,650	1,650	0.02	0.27	1.84	1,732
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.52	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	161	161	< 0.005	< 0.005	0.01	162
Vendor	< 0.005	0.20	0.07	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	181	181	< 0.005	0.03	< 0.005	189
Hauling	0.02	1.78	0.42	0.01	0.03	0.57	0.60	0.03	0.16	0.19	—	1,651	1,651	0.02	0.27	0.05	1,731
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	29.8	29.8	< 0.005	< 0.005	0.02	29.9
Vendor	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	33.1	33.1	< 0.005	0.01	0.01	34.7
Hauling	< 0.005	0.33	0.08	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	303	303	< 0.005	0.05	0.15	318
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.93	4.93	< 0.005	< 0.005	< 0.005	4.95
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.48	5.48	< 0.005	< 0.005	< 0.005	5.74
Hauling	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	50.2	50.2	< 0.005	0.01	0.02	52.6

3.3. 12-Decommissioning Demolition (2039) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	6.32	17.7	0.03	0.06	—	0.06	0.06	—	0.06	—	3,319	3,319	0.13	0.03	—	3,330
Demolition	—	—	—	—	—	0.18	0.18	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	1.18	3.30	0.01	0.01	—	0.01	0.01	—	0.01	—	618	618	0.03	0.01	—	620
Demolition	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.21	0.60	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	102	102	< 0.005	< 0.005	—	103
Demolition	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.02	0.47	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	169	169	< 0.005	< 0.005	0.14	170
Vendor	0.01	0.38	0.15	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	363	363	0.01	0.05	0.18	380
Hauling	< 0.005	0.17	0.05	< 0.005	< 0.005	0.05	0.06	< 0.005	0.02	0.02	—	149	149	< 0.005	0.02	0.10	156
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	30.3	30.3	< 0.005	< 0.005	0.01	30.4
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	67.7	67.7	< 0.005	0.01	0.01	70.8
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.7	27.7	< 0.005	< 0.005	0.01	29.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.02	5.02	< 0.005	< 0.005	< 0.005	5.04
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	11.2	11.2	< 0.005	< 0.005	< 0.005	11.7
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.59	4.59	< 0.005	< 0.005	< 0.005	4.81

3.4. 12-Decommissioning Demolition (2039) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	6.32	17.7	0.03	0.06	—	0.06	0.06	—	0.06	—	3,319	3,319	0.13	0.03	—	3,330

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Demoliti	—	—	—	—	—	0.18	0.18	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	1.18	3.30	0.01	0.01	—	0.01	0.01	—	0.01	—	618	618	0.03	0.01	—	620
Demoliti on	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.21	0.60	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	102	102	< 0.005	< 0.005	—	103
Demoliti on	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.02	0.47	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	169	169	< 0.005	< 0.005	0.14	170
Vendor	0.01	0.38	0.15	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	363	363	0.01	0.05	0.18	380
Hauling	< 0.005	0.17	0.05	< 0.005	< 0.005	0.05	0.06	< 0.005	0.02	0.02	—	149	149	< 0.005	0.02	0.10	156
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	30.3	30.3	< 0.005	< 0.005	0.01	30.4

Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	67.7	67.7	< 0.005	0.01	0.01	70.8
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.7	27.7	< 0.005	< 0.005	0.01	29.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.02	5.02	< 0.005	< 0.005	< 0.005	5.04
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	11.2	11.2	< 0.005	< 0.005	< 0.005	11.7
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.59	4.59	< 0.005	< 0.005	< 0.005	4.81

3.5. 1-Subsurface Exploration (2035) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	3.02	23.9	0.04	0.09	—	0.09	0.09	—	0.09	—	4,632	4,632	0.19	0.04	—	4,648
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.40	3.14	0.01	0.01	—	0.01	0.01	—	0.01	—	609	609	0.02	< 0.005	—	611
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.07	0.57	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	101	101	< 0.005	< 0.005	—	101
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.03	0.57	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	174	174	< 0.005	< 0.005	0.26	175
Vendor	< 0.005	0.19	0.07	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	180	180	< 0.005	0.03	0.17	189
Hauling	0.01	0.59	0.14	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	—	563	563	0.01	0.09	0.63	591
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.07	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	22.1	22.1	< 0.005	< 0.005	0.01	22.2
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23.7	23.7	< 0.005	< 0.005	0.01	24.8
Hauling	< 0.005	0.08	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	74.1	74.1	< 0.005	0.01	0.04	77.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.66	3.66	< 0.005	< 0.005	< 0.005	3.68
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.93	3.93	< 0.005	< 0.005	< 0.005	4.11
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.3	12.3	< 0.005	< 0.005	0.01	12.9

3.6. 1-Subsurface Exploration (2035) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	3.02	23.9	0.04	0.09	—	0.09	0.09	—	0.09	—	4,632	4,632	0.19	0.04	—	4,648
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.40	3.14	0.01	0.01	—	0.01	0.01	—	0.01	—	609	609	0.02	< 0.005	—	611
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.07	0.57	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	101	101	< 0.005	< 0.005	—	101
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.03	0.57	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	174	174	< 0.005	< 0.005	0.26	175
Vendor	< 0.005	0.19	0.07	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	180	180	< 0.005	0.03	0.17	189
Hauling	0.01	0.59	0.14	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	—	563	563	0.01	0.09	0.63	591
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.07	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	22.1	22.1	< 0.005	< 0.005	0.01	22.2
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23.7	23.7	< 0.005	< 0.005	0.01	24.8
Hauling	< 0.005	0.08	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	74.1	74.1	< 0.005	0.01	0.04	77.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.66	3.66	< 0.005	< 0.005	< 0.005	3.68
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.93	3.93	< 0.005	< 0.005	< 0.005	4.11
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.3	12.3	< 0.005	< 0.005	0.01	12.9

3.7. A4-Offsite Laydown Development (2035) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.43	14.5	73.1	0.14	0.26	—	0.26	0.26	—	0.26	—	14,160	14,160	0.57	0.11	—	14,209

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Dust From Material Movement	—	—	—	—	—	0.21	0.21	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.90	9.62	0.02	0.03	—	0.03	0.03	—	0.03	—	1,862	1,862	0.08	0.02	—	1,869
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.35	1.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	308	308	0.01	< 0.005	—	309
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.01	0.22	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	68.5	68.5	< 0.005	< 0.005	0.10	68.9
Vendor	0.01	0.42	0.16	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	406	406	0.01	0.06	0.39	425
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.68	8.68	< 0.005	< 0.005	0.01	8.72
Vendor	< 0.005	0.06	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	53.4	53.4	< 0.005	0.01	0.02	55.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.44	1.44	< 0.005	< 0.005	< 0.005	1.44
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.84	8.84	< 0.005	< 0.005	< 0.005	9.25
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. A4-Offsite Laydown Development (2035) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.43	14.5	73.1	0.14	0.26	—	0.26	0.26	—	0.26	—	14,160	14,160	0.57	0.11	—	14,209
Dust From Material Movement	—	—	—	—	—	0.21	0.21	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.19	1.90	9.62	0.02	0.03	—	0.03	0.03	—	0.03	—	1,862	1,862	0.08	0.02	—	1,869
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.35	1.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	308	308	0.01	< 0.005	—	309
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.01	0.22	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	68.5	68.5	< 0.005	< 0.005	0.10	68.9
Vendor	0.01	0.42	0.16	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	406	406	0.01	0.06	0.39	425
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.68	8.68	< 0.005	< 0.005	0.01	8.72
Vendor	< 0.005	0.06	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	53.4	53.4	< 0.005	0.01	0.02	55.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.44	1.44	< 0.005	< 0.005	< 0.005	1.44

Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.84	8.84	< 0.005	< 0.005	< 0.005	9.25
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. A1-Site Assessment (2029) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.85	9.14	0.02	0.03	—	0.03	0.03	—	0.03	—	1,703	1,703	0.07	0.01	—	1,709
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.03	0.35	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	65.3	65.3	< 0.005	< 0.005	—	65.5
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.8	10.8	< 0.005	< 0.005	—	10.9

Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.02	0.35	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	81.5	81.5	< 0.005	< 0.005	0.23	82.8
Vendor	< 0.005	0.12	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	111	111	< 0.005	0.02	0.21	116
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.01	3.01	< 0.005	< 0.005	< 0.005	3.06
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.25	4.25	< 0.005	< 0.005	< 0.005	4.44
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.50	0.50	< 0.005	< 0.005	< 0.005	0.51
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.70	0.70	< 0.005	< 0.005	< 0.005	0.74
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. A1-Site Assessment (2029) - Mitigated

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

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

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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.85	9.14	0.02	0.03	—	0.03	0.03	—	0.03	—	1,703	1,703	0.07	0.01	—	1,709
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.03	0.35	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	65.3	65.3	< 0.005	< 0.005	—	65.5
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.8	10.8	< 0.005	< 0.005	—	10.9
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.04	0.02	0.35	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	81.5	81.5	< 0.005	< 0.005	0.23	82.8
Vendor	< 0.005	0.12	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	111	111	< 0.005	0.02	0.21	116
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.01	3.01	< 0.005	< 0.005	< 0.005	3.06
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.25	4.25	< 0.005	< 0.005	< 0.005	4.44
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.50	0.50	< 0.005	< 0.005	< 0.005	0.51
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.70	0.70	< 0.005	< 0.005	< 0.005	0.74
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. A2-Soil Remediation (2029) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	3.27	21.5	0.04	0.08	—	0.08	0.08	—	0.08	—	4,240	4,240	0.17	0.03	—	4,254
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

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Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	3.27	21.5	0.04	0.08	—	0.08	0.08	—	0.08	—	4,240	4,240	0.17	0.03	—	4,254
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.65	4.29	0.01	0.02	—	0.02	0.02	—	0.02	—	846	846	0.03	0.01	—	849
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.12	0.78	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	140	140	0.01	< 0.005	—	141
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.53	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	122	122	< 0.005	0.01	0.35	124
Vendor	0.01	0.37	0.12	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	332	332	< 0.005	0.05	0.64	348

Hauling	0.02	1.55	0.41	0.01	0.02	0.36	0.38	0.02	0.10	0.12	—	1,257	1,257	0.02	0.20	2.30	1,319
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.50	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	117	117	< 0.005	0.01	0.01	119
Vendor	0.01	0.39	0.13	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	332	332	< 0.005	0.05	0.02	347
Hauling	0.02	1.60	0.42	0.01	0.02	0.36	0.38	0.02	0.10	0.12	—	1,257	1,257	0.02	0.20	0.06	1,317
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	23.5	23.5	< 0.005	< 0.005	0.03	23.9
Vendor	< 0.005	0.08	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	66.3	66.3	< 0.005	0.01	0.05	69.3
Hauling	< 0.005	0.32	0.08	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	251	251	< 0.005	0.04	0.20	263
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.89	3.89	< 0.005	< 0.005	0.01	3.95
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.0	11.0	< 0.005	< 0.005	0.01	11.5
Hauling	< 0.005	0.06	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	41.5	41.5	< 0.005	0.01	0.03	43.6

3.12. A2-Soil Remediation (2029) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	3.27	21.5	0.04	0.08	—	0.08	0.08	—	0.08	—	4,240	4,240	0.17	0.03	—	4,254
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

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Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	3.27	21.5	0.04	0.08	—	0.08	0.08	—	0.08	—	4,240	4,240	0.17	0.03	—	4,254
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.65	4.29	0.01	0.02	—	0.02	0.02	—	0.02	—	846	846	0.03	0.01	—	849
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.12	0.78	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	140	140	0.01	< 0.005	—	141
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.53	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	122	122	< 0.005	0.01	0.35	124
Vendor	0.01	0.37	0.12	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	332	332	< 0.005	0.05	0.64	348

Hauling	0.02	1.55	0.41	0.01	0.02	0.36	0.38	0.02	0.10	0.12	—	1,257	1,257	0.02	0.20	2.30	1,319
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.50	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	117	117	< 0.005	0.01	0.01	119
Vendor	0.01	0.39	0.13	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	332	332	< 0.005	0.05	0.02	347
Hauling	0.02	1.60	0.42	0.01	0.02	0.36	0.38	0.02	0.10	0.12	—	1,257	1,257	0.02	0.20	0.06	1,317
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	23.5	23.5	< 0.005	< 0.005	0.03	23.9
Vendor	< 0.005	0.08	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	66.3	66.3	< 0.005	0.01	0.05	69.3
Hauling	< 0.005	0.32	0.08	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	251	251	< 0.005	0.04	0.20	263
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.89	3.89	< 0.005	< 0.005	0.01	3.95
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.0	11.0	< 0.005	< 0.005	0.01	11.5
Hauling	< 0.005	0.06	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	41.5	41.5	< 0.005	0.01	0.03	43.6

3.13. A2-Soil Remediation (2030) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	3.27	21.5	0.04	0.08	—	0.08	0.08	—	0.08	—	4,240	4,240	0.17	0.03	—	4,254

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Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.45	2.94	0.01	0.01	—	0.01	0.01	—	0.01	—	581	581	0.02	< 0.005	—	583
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.08	0.54	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	96.2	96.2	< 0.005	< 0.005	—	96.5
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.47	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	115	115	< 0.005	0.01	0.01	117
Vendor	0.01	0.37	0.12	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	322	322	< 0.005	0.05	0.01	336
Hauling	0.02	1.54	0.42	0.01	0.02	0.36	0.38	0.02	0.10	0.12	—	1,221	1,221	0.02	0.19	0.05	1,278

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.9	15.9	< 0.005	< 0.005	0.02	16.1
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	44.1	44.1	< 0.005	0.01	0.03	46.1
Hauling	< 0.005	0.21	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	167	167	< 0.005	0.03	0.12	175
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.63	2.63	< 0.005	< 0.005	< 0.005	2.67
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.30	7.30	< 0.005	< 0.005	0.01	7.62
Hauling	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.7	27.7	< 0.005	< 0.005	0.02	29.0

3.14. A2-Soil Remediation (2030) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	3.27	21.5	0.04	0.08	—	0.08	0.08	—	0.08	—	4,240	4,240	0.17	0.03	—	4,254
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.45	2.94	0.01	0.01	—	0.01	0.01	—	0.01	—	581	581	0.02	< 0.005	—	583

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Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.08	0.54	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	96.2	96.2	< 0.005	< 0.005	—	96.5
Dust From Material Movement	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.47	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	115	115	< 0.005	0.01	0.01	117
Vendor	0.01	0.37	0.12	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	322	322	< 0.005	0.05	0.01	336
Hauling	0.02	1.54	0.42	0.01	0.02	0.36	0.38	0.02	0.10	0.12	—	1,221	1,221	0.02	0.19	0.05	1,278
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.9	15.9	< 0.005	< 0.005	0.02	16.1
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	44.1	44.1	< 0.005	0.01	0.03	46.1
Hauling	< 0.005	0.21	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	167	167	< 0.005	0.03	0.12	175
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.63	2.63	< 0.005	< 0.005	< 0.005	2.67
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.30	7.30	< 0.005	< 0.005	0.01	7.62
Hauling	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.7	27.7	< 0.005	< 0.005	0.02	29.0

3.15. 3-Site Preparation/ Rough Grading (2035) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	1.86	12.2	0.02	0.04	—	0.04	0.04	—	0.04	—	2,280	2,280	0.09	0.02	—	2,288
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.10	0.64	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	119	119	< 0.005	< 0.005	—	119
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	19.7	19.7	< 0.005	< 0.005	—	19.7
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.04	0.58	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	179	179	< 0.005	< 0.005	0.01	180
Vendor	0.01	0.25	0.09	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.03	—	226	226	< 0.005	0.03	0.01	236
Hauling	0.08	6.34	1.52	0.05	0.10	2.02	2.12	0.10	0.57	0.67	—	5,862	5,862	0.06	0.95	0.17	6,146
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.37	9.37	< 0.005	< 0.005	0.01	9.42
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.7	11.7	< 0.005	< 0.005	< 0.005	12.3
Hauling	< 0.005	0.33	0.08	< 0.005	0.01	0.11	0.11	0.01	0.03	0.03	—	305	305	< 0.005	0.05	0.15	320
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.55	1.55	< 0.005	< 0.005	< 0.005	1.56
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.94	1.94	< 0.005	< 0.005	< 0.005	2.03
Hauling	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	50.5	50.5	< 0.005	0.01	0.02	53.0

3.16. 3-Site Preparation/ Rough Grading (2035) - Mitigated

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

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

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Off-Road Equipment	0.23	1.86	12.2	0.02	0.04	—	0.04	0.04	—	0.04	—	2,280	2,280	0.09	0.02	—	2,288
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.10	0.64	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	119	119	< 0.005	< 0.005	—	119
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	19.7	19.7	< 0.005	< 0.005	—	19.7
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.04	0.58	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	179	179	< 0.005	< 0.005	0.01	180
Vendor	0.01	0.25	0.09	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.03	—	226	226	< 0.005	0.03	0.01	236

Hauling	0.08	6.34	1.52	0.05	0.10	2.02	2.12	0.10	0.57	0.67	—	5,862	5,862	0.06	0.95	0.17	6,146
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.37	9.37	< 0.005	< 0.005	0.01	9.42
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.7	11.7	< 0.005	< 0.005	< 0.005	12.3
Hauling	< 0.005	0.33	0.08	< 0.005	0.01	0.11	0.11	0.01	0.03	0.03	—	305	305	< 0.005	0.05	0.15	320
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.55	1.55	< 0.005	< 0.005	< 0.005	1.56
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.94	1.94	< 0.005	< 0.005	< 0.005	2.03
Hauling	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	50.5	50.5	< 0.005	0.01	0.02	53.0

3.17. 4-Foundations (2035) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	9.90	42.8	0.08	0.14	—	0.14	0.14	—	0.14	—	7,906	7,906	0.32	0.06	—	7,933
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.43	1.84	< 0.005	0.01	—	0.01	0.01	—	0.01	—	340	340	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.08	0.34	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	56.4	56.4	< 0.005	< 0.005	—	56.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.10	1.31	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	405	405	0.01	< 0.005	0.02	407
Vendor	0.01	0.39	0.15	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	361	361	0.01	0.06	0.01	378
Hauling	0.02	1.22	0.29	0.01	0.02	0.39	0.41	0.02	0.11	0.13	—	1,127	1,127	0.01	0.18	0.03	1,182
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.6	17.6	< 0.005	< 0.005	0.01	17.7
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	15.5	15.5	< 0.005	< 0.005	0.01	16.3
Hauling	< 0.005	0.05	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	48.5	48.5	< 0.005	0.01	0.02	50.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.91	2.91	< 0.005	< 0.005	< 0.005	2.92
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.57	2.57	< 0.005	< 0.005	< 0.005	2.69
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.03	8.03	< 0.005	< 0.005	< 0.005	8.43

3.18. 4-Foundations (2035) - Mitigated

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

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

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Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	9.90	42.8	0.08	0.14	—	0.14	0.14	—	0.14	—	7,906	7,906	0.32	0.06	—	7,933
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.43	1.84	< 0.005	0.01	—	0.01	0.01	—	0.01	—	340	340	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.08	0.34	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	56.4	56.4	< 0.005	< 0.005	—	56.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.10	1.31	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	405	405	0.01	< 0.005	0.02	407
Vendor	0.01	0.39	0.15	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	361	361	0.01	0.06	0.01	378
Hauling	0.02	1.22	0.29	0.01	0.02	0.39	0.41	0.02	0.11	0.13	—	1,127	1,127	0.01	0.18	0.03	1,182
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.6	17.6	< 0.005	< 0.005	0.01	17.7
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	15.5	15.5	< 0.005	< 0.005	0.01	16.3
Hauling	< 0.005	0.05	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	48.5	48.5	< 0.005	0.01	0.02	50.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.91	2.91	< 0.005	< 0.005	< 0.005	2.92
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.57	2.57	< 0.005	< 0.005	< 0.005	2.69
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.03	8.03	< 0.005	< 0.005	< 0.005	8.43

3.19. 4-Foundations (2036) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	9.90	42.8	0.08	0.14	—	0.14	0.14	—	0.14	—	7,906	7,906	0.32	0.06	—	7,933
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	9.90	42.8	0.08	0.14	—	0.14	0.14	—	0.14	—	7,906	7,906	0.32	0.06	—	7,933
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	4.26	18.4	0.03	0.06	—	0.06	0.06	—	0.06	—	3,404	3,404	0.14	0.03	—	3,415
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.78	3.36	0.01	0.01	—	0.01	0.01	—	0.01	—	564	564	0.02	< 0.005	—	565
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.07	1.30	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	419	419	0.01	< 0.005	0.54	421
Vendor	0.01	0.36	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	349	349	0.01	0.05	0.29	365
Hauling	0.02	1.13	0.28	0.01	0.02	0.39	0.41	0.02	0.11	0.13	—	1,102	1,102	0.01	0.17	1.10	1,155
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.09	1.24	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	401	401	0.01	< 0.005	0.01	403
Vendor	0.01	0.38	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	349	349	0.01	0.05	0.01	365
Hauling	0.02	1.18	0.28	0.01	0.02	0.39	0.41	0.02	0.11	0.13	—	1,102	1,102	0.01	0.17	0.03	1,154
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.04	0.52	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	174	174	< 0.005	< 0.005	0.10	175
Vendor	< 0.005	0.16	0.06	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	150	150	< 0.005	0.02	0.05	157
Hauling	0.01	0.51	0.12	< 0.005	0.01	0.17	0.18	0.01	0.05	0.06	—	474	474	0.01	0.07	0.20	497
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	28.8	28.8	< 0.005	< 0.005	0.02	28.9
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	24.9	24.9	< 0.005	< 0.005	0.01	26.0
Hauling	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	78.5	78.5	< 0.005	0.01	0.03	82.3

3.20. 4-Foundations (2036) - Mitigated

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

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

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Off-Road Equipment	0.81	9.90	42.8	0.08	0.14	—	0.14	0.14	—	0.14	—	7,906	7,906	0.32	0.06	—	7,933
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	9.90	42.8	0.08	0.14	—	0.14	0.14	—	0.14	—	7,906	7,906	0.32	0.06	—	7,933
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	4.26	18.4	0.03	0.06	—	0.06	0.06	—	0.06	—	3,404	3,404	0.14	0.03	—	3,415
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.78	3.36	0.01	0.01	—	0.01	0.01	—	0.01	—	564	564	0.02	< 0.005	—	565
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.07	1.30	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	419	419	0.01	< 0.005	0.54	421
Vendor	0.01	0.36	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	349	349	0.01	0.05	0.29	365
Hauling	0.02	1.13	0.28	0.01	0.02	0.39	0.41	0.02	0.11	0.13	—	1,102	1,102	0.01	0.17	1.10	1,155
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.09	1.24	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	401	401	0.01	< 0.005	0.01	403
Vendor	0.01	0.38	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	349	349	0.01	0.05	0.01	365

Hauling	0.02	1.18	0.28	0.01	0.02	0.39	0.41	0.02	0.11	0.13	—	1,102	1,102	0.01	0.17	0.03	1,154
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.04	0.52	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	174	174	< 0.005	< 0.005	0.10	175
Vendor	< 0.005	0.16	0.06	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	150	150	< 0.005	0.02	0.05	157
Hauling	0.01	0.51	0.12	< 0.005	0.01	0.17	0.18	0.01	0.05	0.06	—	474	474	0.01	0.07	0.20	497
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	28.8	28.8	< 0.005	< 0.005	0.02	28.9
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	24.9	24.9	< 0.005	< 0.005	0.01	26.0
Hauling	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	78.5	78.5	< 0.005	0.01	0.03	82.3

3.21. 10-Commissioning / Startup and Testing (2037) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	7.83	20.0	0.04	0.06	—	0.06	0.06	—	0.06	—	3,625	3,625	0.15	0.03	—	3,638
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.46	1.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	213	213	0.01	< 0.005	—	214
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	0.08	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	35.2	35.2	< 0.005	< 0.005	—	35.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.48	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	164	164	< 0.005	< 0.005	< 0.005	164
Vendor	0.01	0.28	0.11	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	254	254	< 0.005	0.04	< 0.005	266
Hauling	< 0.005	0.34	0.08	< 0.005	0.01	0.12	0.12	0.01	0.03	0.04	—	324	324	< 0.005	0.05	0.01	340
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.67	9.67	< 0.005	< 0.005	< 0.005	9.71
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	14.9	14.9	< 0.005	< 0.005	< 0.005	15.6
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.0	19.0	< 0.005	< 0.005	0.01	19.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.60	1.60	< 0.005	< 0.005	< 0.005	1.61
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.47	2.47	< 0.005	< 0.005	< 0.005	2.58
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.15	3.15	< 0.005	< 0.005	< 0.005	3.30

3.22. 10-Commissioning / Startup and Testing (2037) - Mitigated

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

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

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Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	7.83	20.0	0.04	0.06	—	0.06	0.06	—	0.06	—	3,625	3,625	0.15	0.03	—	3,638
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.46	1.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	213	213	0.01	< 0.005	—	214
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.08	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	35.2	35.2	< 0.005	< 0.005	—	35.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.48	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	164	164	< 0.005	< 0.005	< 0.005	164
Vendor	0.01	0.28	0.11	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	254	254	< 0.005	0.04	< 0.005	266
Hauling	< 0.005	0.34	0.08	< 0.005	0.01	0.12	0.12	0.01	0.03	0.04	—	324	324	< 0.005	0.05	0.01	340
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.67	9.67	< 0.005	< 0.005	< 0.005	9.71
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	14.9	14.9	< 0.005	< 0.005	< 0.005	15.6
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.0	19.0	< 0.005	< 0.005	0.01	19.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.60	1.60	< 0.005	< 0.005	< 0.005	1.61
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.47	2.47	< 0.005	< 0.005	< 0.005	2.58
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.15	3.15	< 0.005	< 0.005	< 0.005	3.30

3.23. 10-Commissioning / Startup and Testing (2038) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	7.83	20.0	0.04	0.06	—	0.06	0.06	—	0.06	—	3,625	3,625	0.15	0.03	—	3,637
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	7.83	20.0	0.04	0.06	—	0.06	0.06	—	0.06	—	3,625	3,625	0.15	0.03	—	3,637
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	2.02	5.16	0.01	0.02	—	0.02	0.02	—	0.02	—	936	936	0.04	0.01	—	940
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.37	0.94	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	155	155	0.01	< 0.005	—	156
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.49	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	170	170	< 0.005	< 0.005	0.16	171
Vendor	0.01	0.26	0.10	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	249	249	< 0.005	0.04	0.15	260
Hauling	< 0.005	0.33	0.08	< 0.005	0.01	0.12	0.12	0.01	0.03	0.04	—	320	320	< 0.005	0.05	0.25	336
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.46	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	163	163	< 0.005	< 0.005	< 0.005	163
Vendor	0.01	0.27	0.11	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	249	249	< 0.005	0.04	< 0.005	260
Hauling	< 0.005	0.34	0.08	< 0.005	0.01	0.12	0.12	0.01	0.03	0.04	—	320	320	< 0.005	0.05	0.01	336
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.12	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	42.3	42.3	< 0.005	< 0.005	0.02	42.5
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	64.3	64.3	< 0.005	0.01	0.02	67.1
Hauling	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	82.7	82.7	< 0.005	0.01	0.03	86.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.01	7.01	< 0.005	< 0.005	< 0.005	7.04
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.6	10.6	< 0.005	< 0.005	< 0.005	11.1
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	< 0.005	14.4

3.24. 10-Commissioning / Startup and Testing (2038) - Mitigated

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

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

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Off-Road Equipment	0.41	7.83	20.0	0.04	0.06	—	0.06	0.06	—	0.06	—	3,625	3,625	0.15	0.03	—	3,637
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	7.83	20.0	0.04	0.06	—	0.06	0.06	—	0.06	—	3,625	3,625	0.15	0.03	—	3,637
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	2.02	5.16	0.01	0.02	—	0.02	0.02	—	0.02	—	936	936	0.04	0.01	—	940
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.37	0.94	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	155	155	0.01	< 0.005	—	156
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.49	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	170	170	< 0.005	< 0.005	0.16	171
Vendor	0.01	0.26	0.10	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	249	249	< 0.005	0.04	0.15	260
Hauling	< 0.005	0.33	0.08	< 0.005	0.01	0.12	0.12	0.01	0.03	0.04	—	320	320	< 0.005	0.05	0.25	336
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.46	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	163	163	< 0.005	< 0.005	< 0.005	163
Vendor	0.01	0.27	0.11	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	249	249	< 0.005	0.04	< 0.005	260

Hauling	< 0.005	0.34	0.08	< 0.005	0.01	0.12	0.12	0.01	0.03	0.04	—	320	320	< 0.005	0.05	0.01	336
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.12	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	42.3	42.3	< 0.005	< 0.005	0.02	42.5
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	64.3	64.3	< 0.005	0.01	0.02	67.1
Hauling	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	82.7	82.7	< 0.005	0.01	0.03	86.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.01	7.01	< 0.005	< 0.005	< 0.005	7.04
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.6	10.6	< 0.005	< 0.005	< 0.005	11.1
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	< 0.005	14.4

3.25. 6-Equipment , Structural Steel & Building Erection, Piping (2036) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	11.2	38.4	0.07	0.13	—	0.13	0.13	—	0.13	—	7,155	7,155	0.29	0.06	—	7,179
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	11.2	38.4	0.07	0.13	—	0.13	0.13	—	0.13	—	7,155	7,155	0.29	0.06	—	7,179
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.39	5.72	19.6	0.04	0.07	—	0.07	0.07	—	0.07	—	3,654	3,654	0.15	0.03	—	3,667
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	1.04	3.58	0.01	0.01	—	0.01	0.01	—	0.01	—	605	605	0.02	< 0.005	—	607
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.09	1.49	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	481	481	0.01	0.01	0.61	483
Vendor	0.01	0.50	0.19	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	480	480	0.01	0.07	0.40	502
Hauling	0.01	0.71	0.13	0.01	0.01	0.27	0.28	0.01	0.08	0.09	—	753	753	0.01	0.12	0.76	789
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.11	1.43	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	460	460	0.01	0.01	0.02	462
Vendor	0.01	0.52	0.20	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	480	480	0.01	0.07	0.01	502
Hauling	0.01	0.73	0.13	0.01	0.01	0.27	0.28	0.01	0.08	0.09	—	753	753	0.01	0.12	0.02	788
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.05	0.71	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	237	237	< 0.005	< 0.005	0.14	238
Vendor	0.01	0.26	0.10	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	245	245	< 0.005	0.04	0.09	256
Hauling	< 0.005	0.37	0.07	< 0.005	0.01	0.14	0.14	0.01	0.04	0.05	—	384	384	< 0.005	0.06	0.17	403
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.13	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	39.2	39.2	< 0.005	< 0.005	0.02	39.3
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	40.6	40.6	< 0.005	0.01	0.01	42.4
Hauling	< 0.005	0.07	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	63.6	63.6	< 0.005	0.01	0.03	66.7

3.26. 6-Equipment , Structural Steel & Building Erection, Piping (2036) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	11.2	38.4	0.07	0.13	—	0.13	0.13	—	0.13	—	7,155	7,155	0.29	0.06	—	7,179
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	11.2	38.4	0.07	0.13	—	0.13	0.13	—	0.13	—	7,155	7,155	0.29	0.06	—	7,179
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	5.72	19.6	0.04	0.07	—	0.07	0.07	—	0.07	—	3,654	3,654	0.15	0.03	—	3,667
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	1.04	3.58	0.01	0.01	—	0.01	0.01	—	0.01	—	605	605	0.02	< 0.005	—	607
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.18	0.09	1.49	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	481	481	0.01	0.01	0.61	483
Vendor	0.01	0.50	0.19	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	480	480	0.01	0.07	0.40	502
Hauling	0.01	0.71	0.13	0.01	0.01	0.27	0.28	0.01	0.08	0.09	—	753	753	0.01	0.12	0.76	789
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.11	1.43	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	460	460	0.01	0.01	0.02	462
Vendor	0.01	0.52	0.20	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	480	480	0.01	0.07	0.01	502
Hauling	0.01	0.73	0.13	0.01	0.01	0.27	0.28	0.01	0.08	0.09	—	753	753	0.01	0.12	0.02	788
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.05	0.71	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	237	237	< 0.005	< 0.005	0.14	238
Vendor	0.01	0.26	0.10	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	245	245	< 0.005	0.04	0.09	256
Hauling	< 0.005	0.37	0.07	< 0.005	0.01	0.14	0.14	0.01	0.04	0.05	—	384	384	< 0.005	0.06	0.17	403
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.13	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	39.2	39.2	< 0.005	< 0.005	0.02	39.3
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	40.6	40.6	< 0.005	0.01	0.01	42.4
Hauling	< 0.005	0.07	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	63.6	63.6	< 0.005	0.01	0.03	66.7

3.27. 6-Equipment , Structural Steel & Building Erection, Piping (2037) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	11.2	38.4	0.07	0.13	—	0.13	0.13	—	0.13	—	7,155	7,155	0.29	0.06	—	7,180

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Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	1.07	3.68	0.01	0.01	—	0.01	0.01	—	0.01	—	686	686	0.03	0.01	—	688
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.20	0.67	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	114	114	< 0.005	< 0.005	—	114
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.09	1.35	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	456	456	0.01	0.01	0.01	457
Vendor	0.01	0.51	0.19	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	466	466	0.01	0.07	0.01	488
Hauling	0.01	0.71	0.13	0.01	0.01	0.27	0.28	0.01	0.08	0.09	—	738	738	0.01	0.12	0.02	773
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.13	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	44.0	44.0	< 0.005	< 0.005	0.02	44.2
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	44.7	44.7	< 0.005	0.01	0.01	46.7
Hauling	< 0.005	0.07	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	70.7	70.7	< 0.005	0.01	0.03	74.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.28	7.28	< 0.005	< 0.005	< 0.005	7.32
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.40	7.40	< 0.005	< 0.005	< 0.005	7.74
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.7	11.7	< 0.005	< 0.005	< 0.005	12.3

3.28. 6-Equipment , Structural Steel & Building Erection, Piping (2037) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	11.2	38.4	0.07	0.13	—	0.13	0.13	—	0.13	—	7,155	7,155	0.29	0.06	—	7,180
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	1.07	3.68	0.01	0.01	—	0.01	0.01	—	0.01	—	686	686	0.03	0.01	—	688
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.20	0.67	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	114	114	< 0.005	< 0.005	—	114
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.09	1.35	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	456	456	0.01	0.01	0.01	457

Vendor	0.01	0.51	0.19	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	466	466	0.01	0.07	0.01	488
Hauling	0.01	0.71	0.13	0.01	0.01	0.27	0.28	0.01	0.08	0.09	—	738	738	0.01	0.12	0.02	773
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.13	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	44.0	44.0	< 0.005	< 0.005	0.02	44.2
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	44.7	44.7	< 0.005	0.01	0.01	46.7
Hauling	< 0.005	0.07	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	70.7	70.7	< 0.005	0.01	0.03	74.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.28	7.28	< 0.005	< 0.005	< 0.005	7.32
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.40	7.40	< 0.005	< 0.005	< 0.005	7.74
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.7	11.7	< 0.005	< 0.005	< 0.005	12.3

3.29. 7-Electrical & Instrumentation (2037) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	9.26	34.2	0.07	0.12	—	0.12	0.12	—	0.12	—	6,593	6,593	0.27	0.05	—	6,616
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	9.26	34.2	0.07	0.12	—	0.12	0.12	—	0.12	—	6,593	6,593	0.27	0.05	—	6,616
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.43	5.78	21.4	0.04	0.07	—	0.07	0.07	—	0.07	—	4,119	4,119	0.17	0.03	—	4,133
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	1.06	3.90	0.01	0.01	—	0.01	0.01	—	0.01	—	682	682	0.03	0.01	—	684
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.04	0.66	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	220	220	< 0.005	< 0.005	0.24	221
Vendor	0.01	0.35	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	339	339	0.01	0.05	0.24	354
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	108	108	< 0.005	0.02	0.10	113
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.04	0.62	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	210	210	< 0.005	< 0.005	0.01	211
Vendor	0.01	0.37	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	339	339	0.01	0.05	0.01	355
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	108	108	< 0.005	0.02	< 0.005	113
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.03	0.39	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	132	132	< 0.005	< 0.005	0.07	133
Vendor	0.01	0.23	0.09	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.03	—	212	212	< 0.005	0.03	0.07	221
Hauling	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	67.5	67.5	< 0.005	0.01	0.03	70.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.07	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	21.9	21.9	< 0.005	< 0.005	0.01	22.0
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	35.0	35.0	< 0.005	0.01	0.01	36.7
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.2	11.2	< 0.005	< 0.005	< 0.005	11.7

3.30. 7-Electrical & Instrumentation (2037) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	9.26	34.2	0.07	0.12	—	0.12	0.12	—	0.12	—	6,593	6,593	0.27	0.05	—	6,616
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	9.26	34.2	0.07	0.12	—	0.12	0.12	—	0.12	—	6,593	6,593	0.27	0.05	—	6,616
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	5.78	21.4	0.04	0.07	—	0.07	0.07	—	0.07	—	4,119	4,119	0.17	0.03	—	4,133
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	1.06	3.90	0.01	0.01	—	0.01	0.01	—	0.01	—	682	682	0.03	0.01	—	684
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.08	0.04	0.66	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	220	220	< 0.005	< 0.005	0.24	221
Vendor	0.01	0.35	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	339	339	0.01	0.05	0.24	354
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	108	108	< 0.005	0.02	0.10	113
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.04	0.62	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	210	210	< 0.005	< 0.005	0.01	211
Vendor	0.01	0.37	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	339	339	0.01	0.05	0.01	355
Hauling	< 0.005	0.11	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	108	108	< 0.005	0.02	< 0.005	113
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.03	0.39	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	132	132	< 0.005	< 0.005	0.07	133
Vendor	0.01	0.23	0.09	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.03	—	212	212	< 0.005	0.03	0.07	221
Hauling	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	67.5	67.5	< 0.005	0.01	0.03	70.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.07	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	21.9	21.9	< 0.005	< 0.005	0.01	22.0
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	35.0	35.0	< 0.005	0.01	0.01	36.7
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.2	11.2	< 0.005	< 0.005	< 0.005	11.7

3.31. 11-Post Construction / Site Restoration (2038) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.49	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	170	170	< 0.005	< 0.005	0.16	171
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.53	0.37	0.01	0.03	0.54	0.57	0.03	0.15	0.18	—	1,494	1,494	0.02	0.24	1.17	1,568
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.88	9.88	< 0.005	< 0.005	< 0.005	9.92
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.10	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	90.1	90.1	< 0.005	0.01	0.03	94.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.64	1.64	< 0.005	< 0.005	< 0.005	1.64
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	14.9	14.9	< 0.005	< 0.005	0.01	15.6

3.32. 11-Post Construction / Site Restoration (2038) - Mitigated

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

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

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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.03	0.49	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	170	170	< 0.005	< 0.005	0.16	171
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.53	0.37	0.01	0.03	0.54	0.57	0.03	0.15	0.18	—	1,494	1,494	0.02	0.24	1.17	1,568
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.88	9.88	< 0.005	< 0.005	< 0.005	9.92
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.10	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	90.1	90.1	< 0.005	0.01	0.03	94.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.64	1.64	< 0.005	< 0.005	< 0.005	1.64
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	14.9	14.9	< 0.005	< 0.005	0.01	15.6
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3.33. A3-Well Abandonment (2029) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.12	23.2	216	0.25	0.82	—	0.82	0.82	—	0.82	—	27,440	27,440	1.11	0.22	—	27,534
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.12	23.2	216	0.25	0.82	—	0.82	0.82	—	0.82	—	27,440	27,440	1.11	0.22	—	27,534
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.11	6.27	58.4	0.07	0.22	—	0.22	0.22	—	0.22	—	7,410	7,410	0.30	0.06	—	7,436
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	1.14	10.7	0.01	0.04	—	0.04	0.04	—	0.04	—	1,227	1,227	0.05	0.01	—	1,231
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.13	2.05	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	475	475	0.01	0.02	1.37	483
Vendor	0.03	1.51	0.50	0.01	0.01	0.41	0.42	0.01	0.11	0.12	—	1,356	1,356	0.02	0.20	2.61	1,419
Hauling	0.05	4.49	1.00	0.03	0.06	1.17	1.22	0.06	0.33	0.38	—	4,001	4,001	0.07	0.63	7.40	4,198
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.17	1.94	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	455	455	0.01	0.02	0.04	462
Vendor	0.03	1.58	0.51	0.01	0.01	0.41	0.42	0.01	0.11	0.12	—	1,357	1,357	0.02	0.20	0.07	1,417
Hauling	0.05	4.66	1.01	0.03	0.06	1.17	1.22	0.06	0.33	0.38	—	4,002	4,002	0.06	0.63	0.19	4,192
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.52	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	124	124	< 0.005	0.01	0.16	126
Vendor	0.01	0.42	0.14	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	366	366	< 0.005	0.05	0.30	383
Hauling	0.01	1.26	0.27	0.01	0.02	0.31	0.33	0.02	0.09	0.10	—	1,081	1,081	0.02	0.17	0.86	1,133
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	20.5	20.5	< 0.005	< 0.005	0.03	20.8
Vendor	< 0.005	0.08	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	60.6	60.6	< 0.005	0.01	0.05	63.4
Hauling	< 0.005	0.23	0.05	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	179	179	< 0.005	0.03	0.14	188

3.34. A3-Well Abandonment (2029) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.12	23.2	216	0.25	0.82	—	0.82	0.82	—	0.82	—	27,440	27,440	1.11	0.22	—	27,534

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Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.12	23.2	216	0.25	0.82	—	0.82	0.82	—	0.82	—	27,440	27,440	1.11	0.22	—	27,534
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.11	6.27	58.4	0.07	0.22	—	0.22	0.22	—	0.22	—	7,410	7,410	0.30	0.06	—	7,436
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	1.14	10.7	0.01	0.04	—	0.04	0.04	—	0.04	—	1,227	1,227	0.05	0.01	—	1,231
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.13	2.05	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	475	475	0.01	0.02	1.37	483
Vendor	0.03	1.51	0.50	0.01	0.01	0.41	0.42	0.01	0.11	0.12	—	1,356	1,356	0.02	0.20	2.61	1,419
Hauling	0.05	4.49	1.00	0.03	0.06	1.17	1.22	0.06	0.33	0.38	—	4,001	4,001	0.07	0.63	7.40	4,198
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.17	1.94	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	455	455	0.01	0.02	0.04	462
Vendor	0.03	1.58	0.51	0.01	0.01	0.41	0.42	0.01	0.11	0.12	—	1,357	1,357	0.02	0.20	0.07	1,417
Hauling	0.05	4.66	1.01	0.03	0.06	1.17	1.22	0.06	0.33	0.38	—	4,002	4,002	0.06	0.63	0.19	4,192

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.52	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	124	124	< 0.005	0.01	0.16	126
Vendor	0.01	0.42	0.14	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	366	366	< 0.005	0.05	0.30	383
Hauling	0.01	1.26	0.27	0.01	0.02	0.31	0.33	0.02	0.09	0.10	—	1,081	1,081	0.02	0.17	0.86	1,133
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	20.5	20.5	< 0.005	< 0.005	0.03	20.8
Vendor	< 0.005	0.08	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	60.6	60.6	< 0.005	0.01	0.05	63.4
Hauling	< 0.005	0.23	0.05	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	179	179	< 0.005	0.03	0.14	188

3.35. A3-Well Abandonment (2030) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.12	23.2	216	0.25	0.82	—	0.82	0.82	—	0.82	—	27,438	27,438	1.11	0.22	—	27,532
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.12	23.2	216	0.25	0.82	—	0.82	0.82	—	0.82	—	27,438	27,438	1.11	0.22	—	27,532
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	5.09	47.4	0.06	0.18	—	0.18	0.18	—	0.18	—	6,014	6,014	0.24	0.05	—	6,034

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.93	8.64	0.01	0.03	—	0.03	0.03	—	0.03	—	996	996	0.04	0.01	—	999
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.13	1.93	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	467	467	0.01	0.02	1.22	475
Vendor	0.03	1.44	0.49	0.01	0.01	0.41	0.42	0.01	0.11	0.12	—	1,314	1,314	0.02	0.19	2.29	1,374
Hauling	0.05	4.29	1.00	0.03	0.06	1.17	1.22	0.06	0.33	0.38	—	3,884	3,884	0.06	0.60	6.71	4,073
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.15	1.83	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	447	447	0.01	0.02	0.03	453
Vendor	0.03	1.49	0.50	0.01	0.01	0.41	0.42	0.01	0.11	0.12	—	1,315	1,315	0.02	0.19	0.06	1,372
Hauling	0.05	4.45	1.01	0.03	0.06	1.17	1.22	0.06	0.33	0.38	—	3,885	3,885	0.06	0.60	0.17	4,067
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.40	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	98.7	98.7	< 0.005	< 0.005	0.12	100
Vendor	0.01	0.33	0.11	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	288	288	< 0.005	0.04	0.22	301
Hauling	0.01	0.98	0.22	0.01	0.01	0.26	0.27	0.01	0.07	0.08	—	851	851	0.01	0.13	0.64	892
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.3	16.3	< 0.005	< 0.005	0.02	16.6
Vendor	< 0.005	0.06	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	47.7	47.7	< 0.005	0.01	0.04	49.8
Hauling	< 0.005	0.18	0.04	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	141	141	< 0.005	0.02	0.11	148

3.36. A3-Well Abandonment (2030) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.12	23.2	216	0.25	0.82	—	0.82	0.82	—	0.82	—	27,438	27,438	1.11	0.22	—	27,532
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.12	23.2	216	0.25	0.82	—	0.82	0.82	—	0.82	—	27,438	27,438	1.11	0.22	—	27,532
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	5.09	47.4	0.06	0.18	—	0.18	0.18	—	0.18	—	6,014	6,014	0.24	0.05	—	6,034
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.93	8.64	0.01	0.03	—	0.03	0.03	—	0.03	—	996	996	0.04	0.01	—	999
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.13	1.93	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	467	467	0.01	0.02	1.22	475
Vendor	0.03	1.44	0.49	0.01	0.01	0.41	0.42	0.01	0.11	0.12	—	1,314	1,314	0.02	0.19	2.29	1,374

Hauling	0.05	4.29	1.00	0.03	0.06	1.17	1.22	0.06	0.33	0.38	—	3,884	3,884	0.06	0.60	6.71	4,073
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.15	1.83	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	447	447	0.01	0.02	0.03	453
Vendor	0.03	1.49	0.50	0.01	0.01	0.41	0.42	0.01	0.11	0.12	—	1,315	1,315	0.02	0.19	0.06	1,372
Hauling	0.05	4.45	1.01	0.03	0.06	1.17	1.22	0.06	0.33	0.38	—	3,885	3,885	0.06	0.60	0.17	4,067
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.40	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	98.7	98.7	< 0.005	< 0.005	0.12	100
Vendor	0.01	0.33	0.11	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	288	288	< 0.005	0.04	0.22	301
Hauling	0.01	0.98	0.22	0.01	0.01	0.26	0.27	0.01	0.07	0.08	—	851	851	0.01	0.13	0.64	892
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.3	16.3	< 0.005	< 0.005	0.02	16.6
Vendor	< 0.005	0.06	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	47.7	47.7	< 0.005	0.01	0.04	49.8
Hauling	< 0.005	0.18	0.04	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	141	141	< 0.005	0.02	0.11	148

3.37. A5-Gas Pipeline (2035) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.34	27.4	226	0.30	0.85	—	0.85	0.85	—	0.85	—	32,053	32,053	1.30	0.26	—	32,163
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

SCG-VCM Project - Devils Canyon Site- GHGs- Individual Phases Detailed Report, 9/5/2025

Off-Road Equipment	4.34	27.4	226	0.30	0.85	—	0.85	0.85	—	0.85	—	32,053	32,053	1.30	0.26	—	32,163
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.55	9.80	81.0	0.11	0.30	—	0.30	0.30	—	0.30	—	11,479	11,479	0.47	0.09	—	11,518
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	1.79	14.8	0.02	0.06	—	0.06	0.06	—	0.06	—	1,900	1,900	0.08	0.02	—	1,907
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.32	0.15	2.74	0.00	0.00	0.95	0.95	0.00	0.22	0.22	—	841	841	0.01	0.01	1.23	845
Vendor	0.01	0.47	0.18	< 0.005	< 0.005	0.17	0.17	< 0.005	0.05	0.05	—	451	451	0.01	0.07	0.43	472
Hauling	0.01	0.84	0.21	0.01	0.01	0.28	0.29	0.01	0.08	0.09	—	807	807	0.01	0.13	0.90	847
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.32	0.19	2.61	0.00	0.00	0.95	0.95	0.00	0.22	0.22	—	805	805	0.02	0.01	0.03	808
Vendor	0.01	0.49	0.19	< 0.005	< 0.005	0.17	0.17	< 0.005	0.05	0.05	—	451	451	0.01	0.07	0.01	472
Hauling	0.01	0.87	0.21	0.01	0.01	0.28	0.29	0.01	0.08	0.09	—	807	807	0.01	0.13	0.02	846
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.07	0.91	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	290	290	0.01	< 0.005	0.19	292
Vendor	< 0.005	0.18	0.07	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	162	162	< 0.005	0.02	0.07	169
Hauling	< 0.005	0.31	0.07	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	289	289	< 0.005	0.05	0.14	303

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.17	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	48.0	48.0	< 0.005	< 0.005	0.03	48.3
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	26.7	26.7	< 0.005	< 0.005	0.01	28.0
Hauling	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	47.9	47.9	< 0.005	0.01	0.02	50.2

3.38. A5-Gas Pipeline (2035) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.34	27.4	226	0.30	0.85	—	0.85	0.85	—	0.85	—	32,053	32,053	1.30	0.26	—	32,163
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.34	27.4	226	0.30	0.85	—	0.85	0.85	—	0.85	—	32,053	32,053	1.30	0.26	—	32,163
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.55	9.80	81.0	0.11	0.30	—	0.30	0.30	—	0.30	—	11,479	11,479	0.47	0.09	—	11,518
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	1.79	14.8	0.02	0.06	—	0.06	0.06	—	0.06	—	1,900	1,900	0.08	0.02	—	1,907

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.32	0.15	2.74	0.00	0.00	0.95	0.95	0.00	0.22	0.22	—	841	841	0.01	0.01	1.23	845
Vendor	0.01	0.47	0.18	< 0.005	< 0.005	0.17	0.17	< 0.005	0.05	0.05	—	451	451	0.01	0.07	0.43	472
Hauling	0.01	0.84	0.21	0.01	0.01	0.28	0.29	0.01	0.08	0.09	—	807	807	0.01	0.13	0.90	847
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.32	0.19	2.61	0.00	0.00	0.95	0.95	0.00	0.22	0.22	—	805	805	0.02	0.01	0.03	808
Vendor	0.01	0.49	0.19	< 0.005	< 0.005	0.17	0.17	< 0.005	0.05	0.05	—	451	451	0.01	0.07	0.01	472
Hauling	0.01	0.87	0.21	0.01	0.01	0.28	0.29	0.01	0.08	0.09	—	807	807	0.01	0.13	0.02	846
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.07	0.91	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	290	290	0.01	< 0.005	0.19	292
Vendor	< 0.005	0.18	0.07	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	162	162	< 0.005	0.02	0.07	169
Hauling	< 0.005	0.31	0.07	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	289	289	< 0.005	0.05	0.14	303
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.17	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	48.0	48.0	< 0.005	< 0.005	0.03	48.3
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	26.7	26.7	< 0.005	< 0.005	0.01	28.0
Hauling	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	47.9	47.9	< 0.005	0.01	0.02	50.2

3.39. A5-Gas Pipeline (2036) - Unmitigated

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

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

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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.34	27.4	226	0.30	0.85	—	0.85	0.85	—	0.85	—	32,053	32,053	1.30	0.26	—	32,163
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.60	3.80	31.4	0.04	0.12	—	0.12	0.12	—	0.12	—	4,454	4,454	0.18	0.04	—	4,469
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.69	5.73	0.01	0.02	—	0.02	0.02	—	0.02	—	737	737	0.03	0.01	—	740
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31	0.19	2.47	0.00	0.00	0.95	0.95	0.00	0.22	0.22	—	796	796	0.02	0.01	0.03	799
Vendor	0.01	0.48	0.18	< 0.005	< 0.005	0.17	0.17	< 0.005	0.05	0.05	—	437	437	0.01	0.06	0.01	456
Hauling	0.01	0.84	0.20	0.01	0.01	0.28	0.29	0.01	0.08	0.09	—	789	789	0.01	0.12	0.02	826
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.34	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	111	111	< 0.005	< 0.005	0.06	112

Vendor	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	60.6	60.6	< 0.005	0.01	0.02	63.4
Hauling	< 0.005	0.12	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	110	110	< 0.005	0.02	0.05	115
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	18.4	18.4	< 0.005	< 0.005	0.01	18.5
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.0	10.0	< 0.005	< 0.005	< 0.005	10.5
Hauling	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	18.2	18.2	< 0.005	< 0.005	0.01	19.0

3.40. A5-Gas Pipeline (2036) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.34	27.4	226	0.30	0.85	—	0.85	0.85	—	0.85	—	32,053	32,053	1.30	0.26	—	32,163
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.60	3.80	31.4	0.04	0.12	—	0.12	0.12	—	0.12	—	4,454	4,454	0.18	0.04	—	4,469
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.69	5.73	0.01	0.02	—	0.02	0.02	—	0.02	—	737	737	0.03	0.01	—	740
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31	0.19	2.47	0.00	0.00	0.95	0.95	0.00	0.22	0.22	—	796	796	0.02	0.01	0.03	799
Vendor	0.01	0.48	0.18	< 0.005	< 0.005	0.17	0.17	< 0.005	0.05	0.05	—	437	437	0.01	0.06	0.01	456
Hauling	0.01	0.84	0.20	0.01	0.01	0.28	0.29	0.01	0.08	0.09	—	789	789	0.01	0.12	0.02	826
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.34	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	111	111	< 0.005	< 0.005	0.06	112
Vendor	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	60.6	60.6	< 0.005	0.01	0.02	63.4
Hauling	< 0.005	0.12	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	110	110	< 0.005	0.02	0.05	115
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	18.4	18.4	< 0.005	< 0.005	0.01	18.5
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.0	10.0	< 0.005	< 0.005	< 0.005	10.5
Hauling	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	18.2	18.2	< 0.005	< 0.005	0.01	19.0

3.41. A6-Electrical Interconnect (2035) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	3.59	6.31	0.01	0.02	—	0.02	0.02	—	0.02	—	952	952	0.04	0.01	—	955

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Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.31	9.31	< 0.005	< 0.005	—	9.34
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.54	1.54	< 0.005	< 0.005	—	1.55
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.52	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	161	161	< 0.005	< 0.005	0.01	162
Vendor	0.01	0.39	0.15	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	361	361	0.01	0.06	0.01	378
Hauling	0.01	0.51	0.12	< 0.005	0.01	0.16	0.17	0.01	0.05	0.05	—	472	472	< 0.005	0.08	0.01	494
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.59	1.59	< 0.005	< 0.005	< 0.005	1.59
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.53	3.53	< 0.005	< 0.005	< 0.005	3.69
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.61	4.61	< 0.005	< 0.005	< 0.005	4.84
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.26	0.26	< 0.005	< 0.005	< 0.005	0.26
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.58	0.58	< 0.005	< 0.005	< 0.005	0.61
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.76	0.76	< 0.005	< 0.005	< 0.005	0.80

3.42. A6-Electrical Interconnect (2035) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	3.59	6.31	0.01	0.02	—	0.02	0.02	—	0.02	—	952	952	0.04	0.01	—	955
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.31	9.31	< 0.005	< 0.005	—	9.34
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.54	1.54	< 0.005	< 0.005	—	1.55
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.52	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	161	161	< 0.005	< 0.005	0.01	162

Vendor	0.01	0.39	0.15	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	361	361	0.01	0.06	0.01	378
Hauling	0.01	0.51	0.12	< 0.005	0.01	0.16	0.17	0.01	0.05	0.05	—	472	472	< 0.005	0.08	0.01	494
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.59	1.59	< 0.005	< 0.005	< 0.005	1.59
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.53	3.53	< 0.005	< 0.005	< 0.005	3.69
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.61	4.61	< 0.005	< 0.005	< 0.005	4.84
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.26	0.26	< 0.005	< 0.005	< 0.005	0.26
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.58	0.58	< 0.005	< 0.005	< 0.005	0.61
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.76	0.76	< 0.005	< 0.005	< 0.005	0.80

3.43. A6-Electrical Interconnect (2036) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	3.59	6.31	0.01	0.02	—	0.02	0.02	—	0.02	—	952	952	0.04	0.01	—	955
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.64	1.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	169	169	0.01	< 0.005	—	170
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.12	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	28.1	28.1	< 0.005	< 0.005	—	28.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.49	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	159	159	< 0.005	< 0.005	0.01	160
Vendor	0.01	0.38	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	349	349	0.01	0.05	0.01	365
Hauling	0.01	0.49	0.12	< 0.005	0.01	0.16	0.17	0.01	0.05	0.05	—	461	461	< 0.005	0.07	0.01	483
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	28.6	28.6	< 0.005	< 0.005	0.02	28.7
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	62.2	62.2	< 0.005	0.01	0.02	65.0
Hauling	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	82.1	82.1	< 0.005	0.01	0.04	86.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.73	4.73	< 0.005	< 0.005	< 0.005	4.75
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.3	10.3	< 0.005	< 0.005	< 0.005	10.8
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.6	13.6	< 0.005	< 0.005	0.01	14.2

3.44. A6-Electrical Interconnect (2036) - Mitigated

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

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

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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	3.59	6.31	0.01	0.02	—	0.02	0.02	—	0.02	—	952	952	0.04	0.01	—	955
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.64	1.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	169	169	0.01	< 0.005	—	170
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.12	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	28.1	28.1	< 0.005	< 0.005	—	28.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.49	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	159	159	< 0.005	< 0.005	0.01	160
Vendor	0.01	0.38	0.14	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	349	349	0.01	0.05	0.01	365
Hauling	0.01	0.49	0.12	< 0.005	0.01	0.16	0.17	0.01	0.05	0.05	—	461	461	< 0.005	0.07	0.01	483
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	28.6	28.6	< 0.005	< 0.005	0.02	28.7

Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	62.2	62.2	< 0.005	0.01	0.02	65.0
Hauling	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	82.1	82.1	< 0.005	0.01	0.04	86.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.73	4.73	< 0.005	< 0.005	< 0.005	4.75
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.3	10.3	< 0.005	< 0.005	< 0.005	10.8
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.6	13.6	< 0.005	< 0.005	0.01	14.2

3.45. 8-Paving (2037) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.22	3.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	442	442	0.02	< 0.005	—	443
Paving	0.46	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.18	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	25.9	25.9	< 0.005	< 0.005	—	26.0
Paving	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.29	4.29	< 0.005	< 0.005	—	4.31

Paving	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.03	0.38	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	128	128	< 0.005	< 0.005	< 0.005	129
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.37	0.33	0.01	0.02	0.47	0.49	0.02	0.13	0.15	—	1,297	1,297	0.01	0.21	0.03	1,359
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.60	7.60	< 0.005	< 0.005	< 0.005	7.63
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.08	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	76.1	76.1	< 0.005	0.01	0.03	79.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.26	1.26	< 0.005	< 0.005	< 0.005	1.26
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	12.6	12.6	< 0.005	< 0.005	< 0.005	13.2

3.46. 8-Paving (2037) - Mitigated

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

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

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Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.22	3.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	442	442	0.02	< 0.005	—	443
Paving	0.46	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.18	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	25.9	25.9	< 0.005	< 0.005	—	26.0
Paving	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.29	4.29	< 0.005	< 0.005	—	4.31
Paving	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.03	0.38	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	128	128	< 0.005	< 0.005	< 0.005	129
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.37	0.33	0.01	0.02	0.47	0.49	0.02	0.13	0.15	—	1,297	1,297	0.01	0.21	0.03	1,359
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.60	7.60	< 0.005	< 0.005	< 0.005	7.63

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.08	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	76.1	76.1	< 0.005	0.01	0.03	79.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.26	1.26	< 0.005	< 0.005	< 0.005	1.26
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	12.6	12.6	< 0.005	< 0.005	< 0.005	13.2

3.47. 8-Paving (2038) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.22	3.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	442	442	0.02	< 0.005	—	443
Paving	0.46	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.20	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	28.5	28.5	< 0.005	< 0.005	—	28.6
Paving	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.72	4.72	< 0.005	< 0.005	—	4.74

Paving	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.03	0.36	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	128	128	< 0.005	< 0.005	< 0.005	128
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.37	0.32	0.01	0.02	0.47	0.49	0.02	0.13	0.15	—	1,281	1,281	0.01	0.21	0.03	1,343
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.32	8.32	< 0.005	< 0.005	< 0.005	8.35
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	82.7	82.7	< 0.005	0.01	0.03	86.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.38	1.38	< 0.005	< 0.005	< 0.005	1.38
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	< 0.005	14.4

3.48. 8-Paving (2038) - Mitigated

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

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

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Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.22	3.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	442	442	0.02	< 0.005	—	443
Paving	0.46	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.20	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	28.5	28.5	< 0.005	< 0.005	—	28.6
Paving	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.72	4.72	< 0.005	< 0.005	—	4.74
Paving	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.03	0.36	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	128	128	< 0.005	< 0.005	< 0.005	128
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	1.37	0.32	0.01	0.02	0.47	0.49	0.02	0.13	0.15	—	1,281	1,281	0.01	0.21	0.03	1,343
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.32	8.32	< 0.005	< 0.005	< 0.005	8.35

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	82.7	82.7	< 0.005	0.01	0.03	86.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.38	1.38	< 0.005	< 0.005	< 0.005	1.38
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	< 0.005	14.4

3.49. 9-Painting/Insulation (2038) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	1.76	2.62	0.01	0.01	—	0.01	0.01	—	0.01	—	400	400	0.02	< 0.005	—	401
Architect ural Coatings	4.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.21	0.31	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	47.1	47.1	< 0.005	< 0.005	—	47.2
Architect ural Coatings	0.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.79	7.79	< 0.005	< 0.005	—	7.82
Architectural Coatings	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.07	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	23.3	23.3	< 0.005	< 0.005	< 0.005	23.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	1.03	0.24	0.01	0.02	0.35	0.37	0.02	0.10	0.12	—	961	961	0.01	0.16	0.02	1,007
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.76	2.76	< 0.005	< 0.005	< 0.005	2.77
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.12	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	113	113	< 0.005	0.02	0.04	119
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.46	0.46	< 0.005	< 0.005	< 0.005	0.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	18.7	18.7	< 0.005	< 0.005	0.01	19.6

3.50. 9-Painting/Insulation (2038) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	1.76	2.62	0.01	0.01	—	0.01	0.01	—	0.01	—	400	400	0.02	< 0.005	—	401
Architectural Coatings	4.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.21	0.31	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	47.1	47.1	< 0.005	< 0.005	—	47.2
Architectural Coatings	0.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.79	7.79	< 0.005	< 0.005	—	7.82
Architectural Coatings	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.07	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	23.3	23.3	< 0.005	< 0.005	< 0.005	23.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	1.03	0.24	0.01	0.02	0.35	0.37	0.02	0.10	0.12	—	961	961	0.01	0.16	0.02	1,007
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.76	2.76	< 0.005	< 0.005	< 0.005	2.77
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.12	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	113	113	< 0.005	0.02	0.04	119
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.46	0.46	< 0.005	< 0.005	< 0.005	0.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	18.7	18.7	< 0.005	< 0.005	0.01	19.6

3.51. 5-Trenching/Undergrounds (2036) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.83	1.24	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	341	341	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	0.13	0.20	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	54.1	54.1	< 0.005	< 0.005	—	54.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.96	8.96	< 0.005	< 0.005	—	8.99
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.05	0.88	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	283	283	0.01	< 0.005	0.36	285
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	43.6	43.6	< 0.005	0.01	0.04	45.6
Hauling	0.01	1.02	0.25	0.01	0.02	0.35	0.37	0.02	0.10	0.12	—	992	992	0.01	0.16	0.99	1,039
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.13	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	43.4	43.4	< 0.005	< 0.005	0.02	43.6
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.93	6.93	< 0.005	< 0.005	< 0.005	7.25
Hauling	< 0.005	0.17	0.04	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	158	158	< 0.005	0.02	0.07	165
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.19	7.19	< 0.005	< 0.005	< 0.005	7.22
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.15	1.15	< 0.005	< 0.005	< 0.005	1.20
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	26.1	26.1	< 0.005	< 0.005	0.01	27.3

3.52. 5-Trenching/Undergrounds (2036) - Mitigated

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

SCG-VCM Project - Devils Canyon Site- GHGs- Individual Phases Detailed Report, 9/5/2025

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.83	1.24	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	341	341	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.13	0.20	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	54.1	54.1	< 0.005	< 0.005	—	54.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.96	8.96	< 0.005	< 0.005	—	8.99
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.05	0.88	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	283	283	0.01	< 0.005	0.36	285
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	43.6	43.6	< 0.005	0.01	0.04	45.6
Hauling	0.01	1.02	0.25	0.01	0.02	0.35	0.37	0.02	0.10	0.12	—	992	992	0.01	0.16	0.99	1,039
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.13	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	43.4	43.4	< 0.005	< 0.005	0.02	43.6
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.93	6.93	< 0.005	< 0.005	< 0.005	7.25
Hauling	< 0.005	0.17	0.04	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	158	158	< 0.005	0.02	0.07	165
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.19	7.19	< 0.005	< 0.005	< 0.005	7.22
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.15	1.15	< 0.005	< 0.005	< 0.005	1.20
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	26.1	26.1	< 0.005	< 0.005	0.01	27.3

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

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

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

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

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

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

Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
2-Demo Existing Equipment & Piping	Demolition	9/6/2035	12/7/2035	5.00	67.0	—
12-Decomissioning Demolition	Demolition	5/12/2039	8/15/2039	5.00	68.0	—
1-Subsurface Exploration	Site Preparation	7/2/2035	9/5/2035	5.00	48.0	—
A4-Offsite Laydown Development	Site Preparation	7/2/2035	9/5/2035	5.00	48.0	—
A1-Site Assessment	Site Preparation	5/1/2029	5/18/2029	5.00	14.0	—
A2-Soil Remediation	Site Preparation	9/21/2029	3/11/2030	5.00	122	—
3-Site Preparation/ Rough Grading	Grading	11/13/2035	12/7/2035	5.00	19.0	—
4-Foundations	Building Construction	12/10/2035	8/7/2036	5.00	174	—
10-Commissioning / Startup and Testing	Building Construction	12/2/2037	5/12/2038	5.00	116	—
6-Equipment , Structural Steel & Building Erection, Piping	Building Construction	4/15/2036	2/18/2037	5.00	222	—
7-Electrical & Instrumentation	Building Construction	1/16/2037	12/1/2037	5.00	228	—
11-Post Construction / Site Restoration	Building Construction	5/13/2038	6/11/2038	5.00	22.0	—
A3-Well Abandonment	Building Construction	8/16/2029	4/22/2030	5.00	178	—
A5-Gas Pipeline	Building Construction	7/2/2035	3/11/2036	5.00	182	—
A6-Electrical Interconnect	Building Construction	12/27/2035	3/31/2036	5.00	68.0	—
8-Paving	Paving	12/2/2037	2/2/2038	5.00	45.0	—
9-Painting/Insulation	Architectural Coating	1/4/2038	3/3/2038	5.00	43.0	—
5-Trenching/Underground s	Trenching	7/9/2036	9/26/2036	5.00	58.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
2-Demo Existing Equipment & Piping	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
2-Demo Existing Equipment & Piping	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
2-Demo Existing Equipment & Piping	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
2-Demo Existing Equipment & Piping	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	2.00	0.48
2-Demo Existing Equipment & Piping	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
2-Demo Existing Equipment & Piping	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	65.0	0.37
2-Demo Existing Equipment & Piping	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
12-Decomissioning Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
12-Decomissioning Demolition	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
12-Decomissioning Demolition	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
12-Decomissioning Demolition	Aerial Lifts	Electric	Average	1.00	8.00	46.0	0.31
12-Decomissioning Demolition	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
12-Decomissioning Demolition	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
12-Decomissioning Demolition	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
12-Decomissioning Demolition	Generator Sets	Diesel	Tier 4 Final	1.00	8.00	49.0	0.74
12-Decomissioning Demolition	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37

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12-Decomissioning Demolition	Welders	Electric	Average	3.00	8.00	46.0	0.45
12-Decomissioning Demolition	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
1-Subsurface Exploration	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
1-Subsurface Exploration	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
1-Subsurface Exploration	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	2.00	0.48
1-Subsurface Exploration	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
1-Subsurface Exploration	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
1-Subsurface Exploration	Bore/Drill Rigs	Diesel	Tier 4 Final	1.00	8.00	300	0.50
A4-Offsite Laydown Development	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
A4-Offsite Laydown Development	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
A4-Offsite Laydown Development	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	225	0.37
A4-Offsite Laydown Development	Welders	Diesel	Tier 4 Final	4.00	8.00	24.0	0.45
A4-Offsite Laydown Development	Excavators	Diesel	Tier 4 Final	3.00	8.00	443	0.38
A4-Offsite Laydown Development	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
A4-Offsite Laydown Development	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
A4-Offsite Laydown Development	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	2.00	0.48
A4-Offsite Laydown Development	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74

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A4-Offsite Laydown Development	Graders	Diesel	Tier 4 Final	1.00	8.00	250	0.41
A4-Offsite Laydown Development	Rollers	Diesel	Tier 4 Final	1.00	8.00	125	0.38
A4-Offsite Laydown Development	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	74.0	0.37
A4-Offsite Laydown Development	Bore/Drill Rigs	Diesel	Tier 4 Final	1.00	8.00	300	0.50
A4-Offsite Laydown Development	Skid Steer Loaders	Diesel	Average	1.00	8.00	65.0	0.37
A4-Offsite Laydown Development	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
A4-Offsite Laydown Development	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
A1-Site Assessment	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
A1-Site Assessment	Bore/Drill Rigs	Diesel	Tier 4 Final	1.00	8.00	300	0.50
A2-Soil Remediation	Excavators	Diesel	Tier 4 Final	1.00	8.00	346	0.38
A2-Soil Remediation	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
A2-Soil Remediation	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
A2-Soil Remediation	Generator Sets	Diesel	Tier 4 Final	1.00	6.00	49.0	0.74
3-Site Preparation/ Rough Grading	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
3-Site Preparation/ Rough Grading	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
3-Site Preparation/ Rough Grading	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	2.00	0.48
3-Site Preparation/ Rough Grading	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
4-Foundations	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	225	0.37
4-Foundations	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
4-Foundations	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20

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4-Foundations	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
4-Foundations	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
4-Foundations	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
4-Foundations	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
4-Foundations	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	10.0	0.48
4-Foundations	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
4-Foundations	Excavators	Diesel	Tier 4 Final	1.00	8.00	346	0.38
4-Foundations	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
4-Foundations	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
4-Foundations	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	170	0.40
10-Commissioning / Startup and Testing	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
10-Commissioning / Startup and Testing	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
10-Commissioning / Startup and Testing	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
10-Commissioning / Startup and Testing	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37
10-Commissioning / Startup and Testing	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
10-Commissioning / Startup and Testing	Welders	Electric	Average	3.00	8.00	46.0	0.45
10-Commissioning / Startup and Testing	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
10-Commissioning / Startup and Testing	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
10-Commissioning / Startup and Testing	Aerial Lifts	Electric	Average	4.00	8.00	46.0	0.31
6-Equipment , Structural Steel & Building Erection, Piping	Cranes	Diesel	Tier 4 Final	1.00	7.00	200	0.29

6-Equipment , Structural Steel & Building Erection, Piping	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
6-Equipment , Structural Steel & Building Erection, Piping	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
6-Equipment , Structural Steel & Building Erection, Piping	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37
6-Equipment , Structural Steel & Building Erection, Piping	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
6-Equipment , Structural Steel & Building Erection, Piping	Cranes	Diesel	Tier 4 Final	2.00	7.00	275	0.29
6-Equipment , Structural Steel & Building Erection, Piping	Forklifts	Diesel	Tier 4 Final	1.00	8.00	122	0.20
6-Equipment , Structural Steel & Building Erection, Piping	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
6-Equipment , Structural Steel & Building Erection, Piping	Welders	Electric	Average	5.00	8.00	46.0	0.45
6-Equipment , Structural Steel & Building Erection, Piping	Aerial Lifts	Diesel	Tier 4 Final	1.00	8.00	67.0	0.31
6-Equipment , Structural Steel & Building Erection, Piping	Aerial Lifts	Electric	Average	5.00	8.00	46.0	0.31

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6-Equipment , Structural Steel & Building Erection, Piping	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
6-Equipment , Structural Steel & Building Erection, Piping	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	10.0	0.48
6-Equipment , Structural Steel & Building Erection, Piping	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
6-Equipment , Structural Steel & Building Erection, Piping	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
7-Electrical & Instrumentation	Cranes	Diesel	Tier 4 Final	1.00	7.00	200	0.29
7-Electrical & Instrumentation	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
7-Electrical & Instrumentation	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
7-Electrical & Instrumentation	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37
7-Electrical & Instrumentation	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
7-Electrical & Instrumentation	Cranes	Diesel	Tier 4 Final	2.00	7.00	275	0.29
7-Electrical & Instrumentation	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
7-Electrical & Instrumentation	Welders	Electric	Average	5.00	8.00	46.0	0.45
7-Electrical & Instrumentation	Aerial Lifts	Electric	Average	4.00	8.00	46.0	0.31
7-Electrical & Instrumentation	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48

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7-Electrical & Instrumentation	Air Compressors	Diesel	Tier 4 Final	2.00	6.00	10.0	0.48
7-Electrical & Instrumentation	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
A3-Well Abandonment	Other General Industrial Equipment	Diesel	Tier 4 Final	4.00	8.00	200	0.29
A3-Well Abandonment	Graders	Diesel	Tier 4 Final	2.00	8.00	200	0.74
A3-Well Abandonment	Bore/Drill Rigs	Diesel	Tier 4 Final	3.00	8.00	550	0.37
A3-Well Abandonment	Excavators	Diesel	Tier 4 Final	2.00	8.00	250	0.38
A3-Well Abandonment	Cranes	Diesel	Tier 4 Final	4.00	7.00	320	0.29
A3-Well Abandonment	Pumps	Diesel	Tier 4 Final	4.00	8.00	550	0.74
A3-Well Abandonment	Other Construction Equipment	Diesel	Tier 4 Final	3.00	8.00	115	0.42
A3-Well Abandonment	Bore/Drill Rigs	Diesel	Tier 4 Final	3.00	8.00	450	0.50
A3-Well Abandonment	Off-Highway Trucks	Diesel	Tier 4 Final	4.00	8.00	320	0.38
A3-Well Abandonment	Welders	Diesel	Tier 4 Final	2.00	8.00	50.0	0.45
A5-Gas Pipeline	Excavators	Diesel	Tier 4 Final	8.00	8.00	346	0.38
A5-Gas Pipeline	Concrete/Industrial Saws	Diesel	Tier 4 Final	8.00	8.00	261	0.73
A5-Gas Pipeline	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	363	0.40
A5-Gas Pipeline	Other Construction Equipment	Diesel	Tier 4 Final	8.00	8.00	319	0.42
A5-Gas Pipeline	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	109	0.42
A5-Gas Pipeline	Welders	Diesel	Tier 4 Final	4.00	8.00	24.0	0.45
A5-Gas Pipeline	Graders	Diesel	Tier 4 Final	1.00	8.00	250	0.41
A5-Gas Pipeline	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
A5-Gas Pipeline	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	74.0	0.37
A5-Gas Pipeline	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	3.00	7.00	350	0.37
A5-Gas Pipeline	Skid Steer Loaders	Diesel	Tier 4 Final	3.00	8.00	65.0	0.37

A5-Gas Pipeline	Bore/Drill Rigs	Diesel	Tier 4 Final	1.00	8.00	173	0.50
A5-Gas Pipeline	Other General Industrial Equipment	Diesel	Tier 4 Final	3.00	8.00	23.0	0.34
A5-Gas Pipeline	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	22.0	0.74
A6-Electrical Interconnect	Air Compressors	Diesel	Tier 4 Final	2.00	6.00	10.0	0.48
A6-Electrical Interconnect	Forklifts	Diesel	Tier 4 Final	1.00	8.00	82.0	0.20
A6-Electrical Interconnect	Generator Sets	Diesel	Tier 4 Final	2.00	8.00	49.0	0.74
8-Paving	Rollers	Diesel	Tier 4 Final	1.00	8.00	125	0.38
9-Painting/Insulation	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	10.0	0.48
9-Painting/Insulation	Generator Sets	Diesel	Tier 4 Final	1.00	8.00	49.0	0.74
5-Trenching/Underground	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
5-Trenching/Underground	Pumps	Diesel	Tier 4 Final	2.00	8.00	11.0	0.74

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
2-Demo Existing Equipment & Piping	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
2-Demo Existing Equipment & Piping	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
2-Demo Existing Equipment & Piping	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
2-Demo Existing Equipment & Piping	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	2.00	0.48
2-Demo Existing Equipment & Piping	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
2-Demo Existing Equipment & Piping	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	65.0	0.37

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2-Demo Existing Equipment & Piping	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
12-Decomissioning Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
12-Decomissioning Demolition	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
12-Decomissioning Demolition	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
12-Decomissioning Demolition	Aerial Lifts	Electric	Average	1.00	8.00	46.0	0.31
12-Decomissioning Demolition	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
12-Decomissioning Demolition	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
12-Decomissioning Demolition	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
12-Decomissioning Demolition	Generator Sets	Diesel	Tier 4 Final	1.00	8.00	49.0	0.74
12-Decomissioning Demolition	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37
12-Decomissioning Demolition	Welders	Electric	Average	3.00	8.00	46.0	0.45
12-Decomissioning Demolition	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
1-Subsurface Exploration	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
1-Subsurface Exploration	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
1-Subsurface Exploration	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	2.00	0.48
1-Subsurface Exploration	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
1-Subsurface Exploration	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37

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1-Subsurface Exploration	Bore/Drill Rigs	Diesel	Tier 4 Final	1.00	8.00	300	0.50
A4-Offsite Laydown Development	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
A4-Offsite Laydown Development	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
A4-Offsite Laydown Development	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	225	0.37
A4-Offsite Laydown Development	Welders	Diesel	Tier 4 Final	4.00	8.00	24.0	0.45
A4-Offsite Laydown Development	Excavators	Diesel	Tier 4 Final	3.00	8.00	443	0.38
A4-Offsite Laydown Development	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
A4-Offsite Laydown Development	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
A4-Offsite Laydown Development	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	2.00	0.48
A4-Offsite Laydown Development	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
A4-Offsite Laydown Development	Graders	Diesel	Tier 4 Final	1.00	8.00	250	0.41
A4-Offsite Laydown Development	Rollers	Diesel	Tier 4 Final	1.00	8.00	125	0.38
A4-Offsite Laydown Development	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	74.0	0.37
A4-Offsite Laydown Development	Bore/Drill Rigs	Diesel	Tier 4 Final	1.00	8.00	300	0.50
A4-Offsite Laydown Development	Skid Steer Loaders	Diesel	Average	1.00	8.00	65.0	0.37
A4-Offsite Laydown Development	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
A4-Offsite Laydown Development	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38

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A1-Site Assessment	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
A1-Site Assessment	Bore/Drill Rigs	Diesel	Tier 4 Final	1.00	8.00	300	0.50
A2-Soil Remediation	Excavators	Diesel	Tier 4 Final	1.00	8.00	346	0.38
A2-Soil Remediation	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
A2-Soil Remediation	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
A2-Soil Remediation	Generator Sets	Diesel	Tier 4 Final	1.00	6.00	49.0	0.74
3-Site Preparation/ Rough Grading	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
3-Site Preparation/ Rough Grading	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
3-Site Preparation/ Rough Grading	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	2.00	0.48
3-Site Preparation/ Rough Grading	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
4-Foundations	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	225	0.37
4-Foundations	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
4-Foundations	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
4-Foundations	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
4-Foundations	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
4-Foundations	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	321	0.37
4-Foundations	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	7.00	107	0.37
4-Foundations	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	10.0	0.48
4-Foundations	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
4-Foundations	Excavators	Diesel	Tier 4 Final	1.00	8.00	346	0.38
4-Foundations	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
4-Foundations	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
4-Foundations	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	170	0.40

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10-Commissioning / Startup and Testing	Cranes	Diesel	Tier 4 Final	1.00	7.00	275	0.29
10-Commissioning / Startup and Testing	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
10-Commissioning / Startup and Testing	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
10-Commissioning / Startup and Testing	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37
10-Commissioning / Startup and Testing	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
10-Commissioning / Startup and Testing	Welders	Electric	Average	3.00	8.00	46.0	0.45
10-Commissioning / Startup and Testing	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
10-Commissioning / Startup and Testing	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
10-Commissioning / Startup and Testing	Aerial Lifts	Electric	Average	4.00	8.00	46.0	0.31
6-Equipment , Structural Steel & Building Erection, Piping	Cranes	Diesel	Tier 4 Final	1.00	7.00	200	0.29
6-Equipment , Structural Steel & Building Erection, Piping	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
6-Equipment , Structural Steel & Building Erection, Piping	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
6-Equipment , Structural Steel & Building Erection, Piping	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37

6-Equipment , Structural Steel & Building Erection, Piping	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
6-Equipment , Structural Steel & Building Erection, Piping	Cranes	Diesel	Tier 4 Final	2.00	7.00	275	0.29
6-Equipment , Structural Steel & Building Erection, Piping	Forklifts	Diesel	Tier 4 Final	1.00	8.00	122	0.20
6-Equipment , Structural Steel & Building Erection, Piping	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
6-Equipment , Structural Steel & Building Erection, Piping	Welders	Electric	Average	5.00	8.00	46.0	0.45
6-Equipment , Structural Steel & Building Erection, Piping	Aerial Lifts	Diesel	Tier 4 Final	1.00	8.00	67.0	0.31
6-Equipment , Structural Steel & Building Erection, Piping	Aerial Lifts	Electric	Average	5.00	8.00	46.0	0.31
6-Equipment , Structural Steel & Building Erection, Piping	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
6-Equipment , Structural Steel & Building Erection, Piping	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	10.0	0.48
6-Equipment , Structural Steel & Building Erection, Piping	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38

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6-Equipment , Structural Steel & Building Erection, Piping	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
7-Electrical & Instrumentation	Cranes	Diesel	Tier 4 Final	1.00	7.00	200	0.29
7-Electrical & Instrumentation	Forklifts	Diesel	Tier 4 Final	1.00	8.00	74.0	0.20
7-Electrical & Instrumentation	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	49.0	0.74
7-Electrical & Instrumentation	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	225	0.37
7-Electrical & Instrumentation	Welders	Diesel	Tier 4 Final	2.00	8.00	24.0	0.45
7-Electrical & Instrumentation	Cranes	Diesel	Tier 4 Final	2.00	7.00	275	0.29
7-Electrical & Instrumentation	Forklifts	Electric	Average	1.00	8.00	82.0	0.20
7-Electrical & Instrumentation	Welders	Electric	Average	5.00	8.00	46.0	0.45
7-Electrical & Instrumentation	Aerial Lifts	Electric	Average	4.00	8.00	46.0	0.31
7-Electrical & Instrumentation	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	49.0	0.48
7-Electrical & Instrumentation	Air Compressors	Diesel	Tier 4 Final	2.00	6.00	10.0	0.48
7-Electrical & Instrumentation	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
A3-Well Abandonment	Other General Industrial Equipment	Diesel	Tier 4 Final	4.00	8.00	200	0.29
A3-Well Abandonment	Graders	Diesel	Tier 4 Final	2.00	8.00	200	0.74
A3-Well Abandonment	Bore/Drill Rigs	Diesel	Tier 4 Final	3.00	8.00	550	0.37
A3-Well Abandonment	Excavators	Diesel	Tier 4 Final	2.00	8.00	250	0.38
A3-Well Abandonment	Cranes	Diesel	Tier 4 Final	4.00	7.00	320	0.29

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A3-Well Abandonment	Pumps	Diesel	Tier 4 Final	4.00	8.00	550	0.74
A3-Well Abandonment	Other Construction Equipment	Diesel	Tier 4 Final	3.00	8.00	115	0.42
A3-Well Abandonment	Bore/Drill Rigs	Diesel	Tier 4 Final	3.00	8.00	450	0.50
A3-Well Abandonment	Off-Highway Trucks	Diesel	Tier 4 Final	4.00	8.00	320	0.38
A3-Well Abandonment	Welders	Diesel	Tier 4 Final	2.00	8.00	50.0	0.45
A5-Gas Pipeline	Excavators	Diesel	Tier 4 Final	8.00	8.00	346	0.38
A5-Gas Pipeline	Concrete/Industrial Saws	Diesel	Tier 4 Final	8.00	8.00	261	0.73
A5-Gas Pipeline	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	363	0.40
A5-Gas Pipeline	Other Construction Equipment	Diesel	Tier 4 Final	8.00	8.00	319	0.42
A5-Gas Pipeline	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	109	0.42
A5-Gas Pipeline	Welders	Diesel	Tier 4 Final	4.00	8.00	24.0	0.45
A5-Gas Pipeline	Graders	Diesel	Tier 4 Final	1.00	8.00	250	0.41
A5-Gas Pipeline	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	500	0.38
A5-Gas Pipeline	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	74.0	0.37
A5-Gas Pipeline	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	3.00	7.00	350	0.37
A5-Gas Pipeline	Skid Steer Loaders	Diesel	Tier 4 Final	3.00	8.00	65.0	0.37
A5-Gas Pipeline	Bore/Drill Rigs	Diesel	Tier 4 Final	1.00	8.00	173	0.50
A5-Gas Pipeline	Other General Industrial Equipment	Diesel	Tier 4 Final	3.00	8.00	23.0	0.34
A5-Gas Pipeline	Generator Sets	Diesel	Tier 4 Final	3.00	8.00	22.0	0.74
A6-Electrical Interconnect	Air Compressors	Diesel	Tier 4 Final	2.00	6.00	10.0	0.48
A6-Electrical Interconnect	Forklifts	Diesel	Tier 4 Final	1.00	8.00	82.0	0.20
A6-Electrical Interconnect	Generator Sets	Diesel	Tier 4 Final	2.00	8.00	49.0	0.74

8-Paving	Rollers	Diesel	Tier 4 Final	1.00	8.00	125	0.38
9-Painting/Insulation	Air Compressors	Diesel	Tier 4 Final	1.00	6.00	10.0	0.48
9-Painting/Insulation	Generator Sets	Diesel	Tier 4 Final	1.00	8.00	49.0	0.74
5-Trenching/Undergro unds	Excavators	Diesel	Tier 4 Final	1.00	8.00	45.0	0.38
5-Trenching/Undergro unds	Pumps	Diesel	Tier 4 Final	2.00	8.00	11.0	0.74

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
1-Subsurface Exploration	—	—	—	—
1-Subsurface Exploration	Worker	28.0	10.0	LDA,LDT1,LDT2
1-Subsurface Exploration	Vendor	8.00	10.0	HHDT,MHDT
1-Subsurface Exploration	Hauling	5.00	43.0	HHDT
1-Subsurface Exploration	Onsite truck	—	—	HHDT
3-Site Preparation/ Rough Grading	—	—	—	—
3-Site Preparation/ Rough Grading	Worker	30.0	10.0	LDA,LDT1,LDT2
3-Site Preparation/ Rough Grading	Vendor	10.0	10.0	HHDT,MHDT
3-Site Preparation/ Rough Grading	Hauling	52.0	43.0	HHDT
3-Site Preparation/ Rough Grading	Onsite truck	—	—	HHDT
4-Foundations	—	—	—	—
4-Foundations	Worker	68.0	10.0	LDA,LDT1,LDT2
4-Foundations	Vendor	16.0	10.0	HHDT,MHDT
4-Foundations	Hauling	10.0	43.0	HHDT
4-Foundations	Onsite truck	—	—	HHDT
5-Trenching/Undergrounds	—	—	—	—
5-Trenching/Undergrounds	Worker	46.0	10.0	LDA,LDT1,LDT2

5-Trenching/Undergrounds	Vendor	2.00	10.0	HHDT,MHDT
5-Trenching/Undergrounds	Hauling	9.00	43.0	HHDT
5-Trenching/Undergrounds	Onsite truck	—	—	HHDT
6-Equipment , Structural Steel & Building Erection, Piping	—	—	—	—
6-Equipment , Structural Steel & Building Erection, Piping	Worker	78.0	10.0	LDA,LDT1,LDT2
6-Equipment , Structural Steel & Building Erection, Piping	Vendor	22.0	10.0	HHDT,MHDT
6-Equipment , Structural Steel & Building Erection, Piping	Hauling	1.00	297	HHDT
6-Equipment , Structural Steel & Building Erection, Piping	Onsite truck	—	—	HHDT
7-Electrical & Instrumentation	—	—	—	—
7-Electrical & Instrumentation	Worker	36.0	10.0	LDA,LDT1,LDT2
7-Electrical & Instrumentation	Vendor	16.0	10.0	HHDT,MHDT
7-Electrical & Instrumentation	Hauling	1.00	43.0	HHDT
7-Electrical & Instrumentation	Onsite truck	—	—	HHDT
2-Demo Existing Equipment & Piping	—	—	—	—
2-Demo Existing Equipment & Piping	Worker	27.0	10.0	LDA,LDT1,LDT2
2-Demo Existing Equipment & Piping	Vendor	8.00	10.0	HHDT,MHDT
2-Demo Existing Equipment & Piping	Hauling	14.0	45.0	HHDT
2-Demo Existing Equipment & Piping	Onsite truck	—	—	HHDT
8-Paving	—	—	—	—
8-Paving	Worker	22.0	10.0	LDA,LDT1,LDT2
8-Paving	Vendor	—	10.0	HHDT,MHDT
8-Paving	Hauling	12.0	43.0	HHDT
8-Paving	Onsite truck	—	—	HHDT
12-Decomissioning Demolition	—	—	—	—
12-Decomissioning Demolition	Worker	28.0	10.0	LDA,LDT1,LDT2

12-Decomissioning Demolition	Vendor	18.0	10.0	HHDT,MHDT
12-Decomissioning Demolition	Hauling	3.00	20.0	HHDT
12-Decomissioning Demolition	Onsite truck	—	—	HHDT
10-Commissioning / Startup and Testing	—	—	—	—
10-Commissioning / Startup and Testing	Worker	28.0	10.0	LDA,LDT1,LDT2
10-Commissioning / Startup and Testing	Vendor	12.0	10.0	HHDT,MHDT
10-Commissioning / Startup and Testing	Hauling	3.00	43.0	HHDT
10-Commissioning / Startup and Testing	Onsite truck	—	—	HHDT
9-Painting/Insulation	—	—	—	—
9-Painting/Insulation	Worker	4.00	10.0	LDA,LDT1,LDT2
9-Painting/Insulation	Vendor	—	10.0	HHDT,MHDT
9-Painting/Insulation	Hauling	9.00	43.0	HHDT
9-Painting/Insulation	Onsite truck	—	—	HHDT
11-Post Construction / Site Restoration	—	—	—	—
11-Post Construction / Site Restoration	Worker	28.0	10.0	LDA,LDT1,LDT2
11-Post Construction / Site Restoration	Vendor	0.00	0.00	HHDT,MHDT
11-Post Construction / Site Restoration	Hauling	14.0	43.0	HHDT
11-Post Construction / Site Restoration	Onsite truck	—	—	HHDT
A4-Offsite Laydown Development	—	—	—	—
A4-Offsite Laydown Development	Worker	11.0	10.0	LDA,LDT1,LDT2
A4-Offsite Laydown Development	Vendor	18.0	10.0	HHDT,MHDT
A4-Offsite Laydown Development	Hauling	0.00	43.0	HHDT

A4-Offsite Laydown Development	Onsite truck	—	—	HHDT
A3-Well Abandonment	—	—	—	—
A3-Well Abandonment	Worker	70.0	10.0	LDA,LDT1,LDT2
A3-Well Abandonment	Vendor	49.0	10.0	HHDT,MHDT
A3-Well Abandonment	Hauling	30.0	43.0	HHDT
A3-Well Abandonment	Onsite truck	—	—	HHDT
A1-Site Assessment	—	—	—	—
A1-Site Assessment	Worker	12.0	10.0	LDA,LDT1,LDT2
A1-Site Assessment	Vendor	4.00	10.0	HHDT,MHDT
A1-Site Assessment	Hauling	0.00	46.0	HHDT
A1-Site Assessment	Onsite truck	—	—	HHDT
A2-Soil Remediation	—	—	—	—
A2-Soil Remediation	Worker	18.0	10.0	LDA,LDT1,LDT2
A2-Soil Remediation	Vendor	12.0	10.0	HHDT,MHDT
A2-Soil Remediation	Hauling	20.0	20.0	HHDT
A2-Soil Remediation	Onsite truck	—	—	HHDT
A5-Gas Pipeline	—	—	—	—
A5-Gas Pipeline	Worker	135	10.0	LDA,LDT1,LDT2
A5-Gas Pipeline	Vendor	20.0	10.0	HHDT,MHDT
A5-Gas Pipeline	Hauling	7.00	44.0	HHDT
A5-Gas Pipeline	Onsite truck	—	—	HHDT
A6-Electrical Interconnect	—	—	—	—
A6-Electrical Interconnect	Worker	27.0	10.0	LDA,LDT1,LDT2
A6-Electrical Interconnect	Vendor	16.0	10.0	HHDT,MHDT
A6-Electrical Interconnect	Hauling	4.00	45.0	HHDT
A6-Electrical Interconnect	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
1-Subsurface Exploration	—	—	—	—
1-Subsurface Exploration	Worker	28.0	10.0	LDA,LDT1,LDT2
1-Subsurface Exploration	Vendor	8.00	10.0	HHDT,MHDT
1-Subsurface Exploration	Hauling	5.00	43.0	HHDT
1-Subsurface Exploration	Onsite truck	—	—	HHDT
3-Site Preparation/ Rough Grading	—	—	—	—
3-Site Preparation/ Rough Grading	Worker	30.0	10.0	LDA,LDT1,LDT2
3-Site Preparation/ Rough Grading	Vendor	10.0	10.0	HHDT,MHDT
3-Site Preparation/ Rough Grading	Hauling	52.0	43.0	HHDT
3-Site Preparation/ Rough Grading	Onsite truck	—	—	HHDT
4-Foundations	—	—	—	—
4-Foundations	Worker	68.0	10.0	LDA,LDT1,LDT2
4-Foundations	Vendor	16.0	10.0	HHDT,MHDT
4-Foundations	Hauling	10.0	43.0	HHDT
4-Foundations	Onsite truck	—	—	HHDT
5-Trenching/Undergrounds	—	—	—	—
5-Trenching/Undergrounds	Worker	46.0	10.0	LDA,LDT1,LDT2
5-Trenching/Undergrounds	Vendor	2.00	10.0	HHDT,MHDT
5-Trenching/Undergrounds	Hauling	9.00	43.0	HHDT
5-Trenching/Undergrounds	Onsite truck	—	—	HHDT
6-Equipment , Structural Steel & Building Erection, Piping	—	—	—	—
6-Equipment , Structural Steel & Building Erection, Piping	Worker	78.0	10.0	LDA,LDT1,LDT2
6-Equipment , Structural Steel & Building Erection, Piping	Vendor	22.0	10.0	HHDT,MHDT
6-Equipment , Structural Steel & Building Erection, Piping	Hauling	1.00	297	HHDT

6-Equipment , Structural Steel & Building Erection, Piping	Onsite truck	—	—	HHDT
7-Electrical & Instrumentation	—	—	—	—
7-Electrical & Instrumentation	Worker	36.0	10.0	LDA,LDT1,LDT2
7-Electrical & Instrumentation	Vendor	16.0	10.0	HHDT,MHDT
7-Electrical & Instrumentation	Hauling	1.00	43.0	HHDT
7-Electrical & Instrumentation	Onsite truck	—	—	HHDT
2-Demo Existing Equipment & Piping	—	—	—	—
2-Demo Existing Equipment & Piping	Worker	27.0	10.0	LDA,LDT1,LDT2
2-Demo Existing Equipment & Piping	Vendor	8.00	10.0	HHDT,MHDT
2-Demo Existing Equipment & Piping	Hauling	14.0	45.0	HHDT
2-Demo Existing Equipment & Piping	Onsite truck	—	—	HHDT
8-Paving	—	—	—	—
8-Paving	Worker	22.0	10.0	LDA,LDT1,LDT2
8-Paving	Vendor	—	10.0	HHDT,MHDT
8-Paving	Hauling	12.0	43.0	HHDT
8-Paving	Onsite truck	—	—	HHDT
12-Decomissioning Demolition	—	—	—	—
12-Decomissioning Demolition	Worker	28.0	10.0	LDA,LDT1,LDT2
12-Decomissioning Demolition	Vendor	18.0	10.0	HHDT,MHDT
12-Decomissioning Demolition	Hauling	3.00	20.0	HHDT
12-Decomissioning Demolition	Onsite truck	—	—	HHDT
10-Commissioning / Startup and Testing	—	—	—	—
10-Commissioning / Startup and Testing	Worker	28.0	10.0	LDA,LDT1,LDT2
10-Commissioning / Startup and Testing	Vendor	12.0	10.0	HHDT,MHDT
10-Commissioning / Startup and Testing	Hauling	3.00	43.0	HHDT

10-Commissioning / Startup and Testing	Onsite truck	—	—	HHDT
9-Painting/Insulation	—	—	—	—
9-Painting/Insulation	Worker	4.00	10.0	LDA,LDT1,LDT2
9-Painting/Insulation	Vendor	—	10.0	HHDT,MHDT
9-Painting/Insulation	Hauling	9.00	43.0	HHDT
9-Painting/Insulation	Onsite truck	—	—	HHDT
11-Post Construction / Site Restoration	—	—	—	—
11-Post Construction / Site Restoration	Worker	28.0	10.0	LDA,LDT1,LDT2
11-Post Construction / Site Restoration	Vendor	0.00	0.00	HHDT,MHDT
11-Post Construction / Site Restoration	Hauling	14.0	43.0	HHDT
11-Post Construction / Site Restoration	Onsite truck	—	—	HHDT
A4-Offsite Laydown Development	—	—	—	—
A4-Offsite Laydown Development	Worker	11.0	10.0	LDA,LDT1,LDT2
A4-Offsite Laydown Development	Vendor	18.0	10.0	HHDT,MHDT
A4-Offsite Laydown Development	Hauling	0.00	43.0	HHDT
A4-Offsite Laydown Development	Onsite truck	—	—	HHDT
A3-Well Abandonment	—	—	—	—
A3-Well Abandonment	Worker	70.0	10.0	LDA,LDT1,LDT2
A3-Well Abandonment	Vendor	49.0	10.0	HHDT,MHDT
A3-Well Abandonment	Hauling	30.0	43.0	HHDT
A3-Well Abandonment	Onsite truck	—	—	HHDT
A1-Site Assessment	—	—	—	—
A1-Site Assessment	Worker	12.0	10.0	LDA,LDT1,LDT2
A1-Site Assessment	Vendor	4.00	10.0	HHDT,MHDT
A1-Site Assessment	Hauling	0.00	46.0	HHDT

A1-Site Assessment	Onsite truck	—	—	HHDT
A2-Soil Remediation	—	—	—	—
A2-Soil Remediation	Worker	18.0	10.0	LDA,LDT1,LDT2
A2-Soil Remediation	Vendor	12.0	10.0	HHDT,MHDT
A2-Soil Remediation	Hauling	20.0	20.0	HHDT
A2-Soil Remediation	Onsite truck	—	—	HHDT
A5-Gas Pipeline	—	—	—	—
A5-Gas Pipeline	Worker	135	10.0	LDA,LDT1,LDT2
A5-Gas Pipeline	Vendor	20.0	10.0	HHDT,MHDT
A5-Gas Pipeline	Hauling	7.00	44.0	HHDT
A5-Gas Pipeline	Onsite truck	—	—	HHDT
A6-Electrical Interconnect	—	—	—	—
A6-Electrical Interconnect	Worker	27.0	10.0	LDA,LDT1,LDT2
A6-Electrical Interconnect	Vendor	16.0	10.0	HHDT,MHDT
A6-Electrical Interconnect	Hauling	4.00	45.0	HHDT
A6-Electrical Interconnect	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
9-Painting/Insulation	0.00	0.00	34,524	11,508	20,626

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
2-Demo Existing Equipment & Piping	0.00	0.00	0.00	20,390	—
12-Decommissioning Demolition	0.00	0.00	0.00	19,000	—
1-Subsurface Exploration	—	500	0.00	0.00	—
A4-Offsite Laydown Development	—	—	24.0	0.00	—
A1-Site Assessment	—	—	0.00	0.00	—
A2-Soil Remediation	—	—	0.00	0.00	—
3-Site Preparation/ Rough Grading	—	1,500	26.0	0.00	—
8-Paving	0.00	0.00	0.00	0.00	7.89

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
General Heavy Industry	0.00	0%
General Heavy Industry	0.00	0%
General Heavy Industry	0.00	0%
General Heavy Industry	0.00	0%
General Office Building	0.00	0%
Other Asphalt Surfaces	7.89	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2029	0.00	532	0.03	< 0.005
2035	97.8	532	0.03	< 0.005
2036	1,238	532	0.03	< 0.005
2037	3,005	532	0.03	< 0.005
2038	809	532	0.03	< 0.005
2039	553	532	0.03	< 0.005
2030	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

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

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

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

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	15.6	annual days of extreme heat
Extreme Precipitation	8.00	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	49.8	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about $\frac{3}{4}$ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	26.8
AQ-PM	16.7
AQ-DPM	10.5
Drinking Water	44.8
Lead Risk Housing	57.6
Pesticides	88.4
Toxic Releases	14.3
Traffic	75.0
Effect Indicators	—
CleanUp Sites	71.9
Groundwater	67.0
Haz Waste Facilities/Generators	76.4
Impaired Water Bodies	90.1
Solid Waste	80.0
Sensitive Population	—
Asthma	54.1
Cardio-vascular	19.2
Low Birth Weights	—

Socioeconomic Factor Indicators	—
Education	—
Housing	78.5
Linguistic	—
Poverty	27.3
Unemployment	—

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	—
Employed	—
Median HI	—
Education	—
Bachelor's or higher	—
High school enrollment	—
Preschool enrollment	—
Transportation	—
Auto Access	—
Active commuting	—
Social	—
2-parent households	—
Voting	—
Neighborhood	—
Alcohol availability	—
Park access	—
Retail density	—

Supermarket access	—
Tree canopy	—
Housing	—
Homeownership	—
Housing habitability	—
Low-inc homeowner severe housing cost burden	—
Low-inc renter severe housing cost burden	—
Uncrowded housing	—
Health Outcomes	—
Insured adults	—
Arthritis	0.0
Asthma ER Admissions	53.7
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	0.0
Cognitively Disabled	9.6
Physically Disabled	12.2
Heart Attack ER Admissions	59.2
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	0.0
Physical Health Not Good	0.0
Stroke	0.0

Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	67.7
SLR Inundation Area	33.8
Children	72.4
Elderly	24.3
English Speaking	0.0
Foreign-born	0.0
Outdoor Workers	18.4
Climate Change Adaptive Capacity	—
Impervious Surface Cover	87.4
Traffic Density	0.0
Traffic Access	23.0
Other Indices	—
Hardship	0.0
Other Decision Support	—
2016 Voting	0.0

7.3. Overall Health & Equity Scores

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

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Project Specific
Construction: Off-Road Equipment	Project Specific
Construction: Trips and VMT	Project specific
Construction: Dust From Material Movement	Project specific
Construction: Off-Road Equipment EF	Default EFs